

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071219\
 Data File : VD063072.D
 Acq On : 12 Jul 2019 15:54
 Operator : VA/AP
 Sample : VD0712SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

Quant Time: Jul 12 16:21:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	878222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1159217	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	1038490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	559434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	490335	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	6.93	113	503984	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
50) Toluene-d8	10.42	98	1159821	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
62) 4-Bromofluorobenzene	13.57	95	515383	53.28	ug/l	0.01
Spiked Amount			Recovery	=	106.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	212745	18.720	ug/l	99
3) Chloromethane	1.75	50	179916	21.051	ug/l	99
4) Vinyl Chloride	1.84	62	166336	19.629	ug/l	97
5) Bromomethane	2.15	94	56459	14.227	ug/l #	88
6) Chloroethane	2.26	64	75571	19.698	ug/l #	84
7) Trichlorofluoromethane	2.52	101	321926	18.771	ug/l	100
8) Diethyl Ether	2.88	74	50818	23.321	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	189006	20.343	ug/l	97
10) Methyl Iodide	3.30	142	221320	18.056	ug/l	96
11) Tert butyl alcohol	4.10	59	55717	128.151	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	132791	19.052	ug/l	89
13) Acrolein	3.03	56	23628	53.234	ug/l	98
14) Allyl chloride	3.62	41	227745	22.114	ug/l	91
15) Acrylonitrile	4.21	53	131656	128.872	ug/l	88
16) Acetone	3.23	43	234238	117.285	ug/l #	86
17) Carbon Disulfide	3.37	76	394591	17.714	ug/l #	94
18) Methyl Acetate	3.65	43	110233	38.252	ug/l #	92
19) Methyl tert-butyl Ether	4.25	73	372512	24.689	ug/l	97
20) Methylene Chloride	3.81	84	157504	21.634	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	163537	22.036	ug/l	88
22) Diisopropyl ether	5.13	45	496520	23.707	ug/l	99
23) Vinyl Acetate	5.07	43	1390433	106.095	ug/l	98
24) 1,1-Dichloroethane	4.98	63	298793	21.912	ug/l	98
25) 2-Butanone	6.09	43	226802	127.030	ug/l #	89
26) 2,2-Dichloropropane	6.04	77	311677	21.564	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	175827	22.404	ug/l	96
28) Bromochloromethane	6.45	49	113233	23.577	ug/l	85
29) Tetrahydrofuran	6.48	42	114296	135.301	ug/l	96
30) Chloroform	6.68	83	373657	22.532	ug/l	92
31) Cyclohexane	6.96	56	183138	20.429	ug/l	90
32) 1,1,1-Trichloroethane	6.88	97	342555	19.832	ug/l	95
36) 1,1-Dichloropropene	7.15	75	234869	21.403	ug/l	96
37) Ethyl Acetate	6.20	43	107862	22.800	ug/l #	94
38) Carbon Tetrachloride	7.12	117	347546	21.058	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071219\
 Data File : VD063072.D
 Acq On : 12 Jul 2019 15:54
 Operator : VA/AP
 Sample : VD0712SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

Quant Time: Jul 12 16:21:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	204282	21.149	ug/l	99
40) Benzene	7.46	78	525861	23.873	ug/l	96
41) Methacrylonitrile	6.46	41	143118	24.731	ug/l	91
42) 1,2-Dichloroethane	7.59	62	275910	22.961	ug/l	97
43) Isopropyl Acetate	9.26	43	152798	26.559	ug/l #	100
44) Trichloroethene	8.55	130	192714	22.316	ug/l	97
45) 1,2-Dichloropropane	8.95	63	138706	25.324	ug/l	100
46) Dibromomethane	9.08	93	114066	24.243	ug/l	89
47) Bromodichloromethane	9.38	83	282781	23.142	ug/l	94
48) Methyl methacrylate	9.14	41	104281	25.507	ug/l	92
49) 1,4-Dioxane	9.10	88	20036	589.060	ug/l #	85
51) 4-Methyl-2-Pentanone	10.31	43	542217	132.932	ug/l	98
52) Toluene	10.52	92	333257	22.507	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	242069	24.203	ug/l	93
54) cis-1,3-Dichloropropene	10.05	75	250215	23.017	ug/l #	85
55) 1,1,2-Trichloroethane	11.21	97	119518	23.494	ug/l	94
56) Ethyl methacrylate	11.06	69	134643	24.766	ug/l	91
57) 1,3-Dichloropropane	11.42	76	194251	24.939	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.87	63	361719	129.601	ug/l	99
59) 2-Hexanone	11.55	43	399716	137.598	ug/l	99
60) Dibromochloromethane	11.70	129	234632	24.762	ug/l	99
61) 1,2-Dibromoethane	11.82	107	140664	23.412	ug/l	92
64) Tetrachloroethene	11.26	164	175609	20.546	ug/l	96
65) Chlorobenzene	12.41	112	437115	22.680	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	187079	20.756	ug/l	95
67) Ethyl Benzene	12.53	91	715539	20.679	ug/l	94
68) m/p-Xylenes	12.67	106	531861	44.131	ug/l	92
69) o-Xylene	13.06	106	257879	23.407	ug/l	97
70) Styrene	13.08	104	440424	22.759	ug/l	94
71) Bromoform	13.24	173	140252	22.711	ug/l	94
73) Isopropylbenzene	13.41	105	772179	21.527	ug/l	100
74) N-amyl acetate	13.27	43	206513	23.707	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	134685	23.045	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	153047	23.698	ug/l	91
77) Bromobenzene	13.68	156	192969	20.001	ug/l	92
78) n-propylbenzene	13.78	91	891771	21.360	ug/l	98
79) 2-Chlorotoluene	13.84	91	506601	21.233	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	636794	21.135	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	43683	25.808	ug/l	94
82) 4-Chlorotoluene	13.95	91	625549	21.778	ug/l	94
83) tert-Butylbenzene	14.20	119	736600	21.933	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	661596	21.424	ug/l	100
85) sec-Butylbenzene	14.38	105	793115	21.729	ug/l	96
86) p-Isopropyltoluene	14.50	119	775248	23.216	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	426077	24.636	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	354764	20.423	ug/l	99
89) n-Butylbenzene	14.81	91	659990	21.117	ug/l	98
90) Hexachloroethane	15.02	117	196922	21.933	ug/l	84
91) 1,2-Dichlorobenzene	14.82	146	330456	22.333	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	28040	24.581	ug/l	71

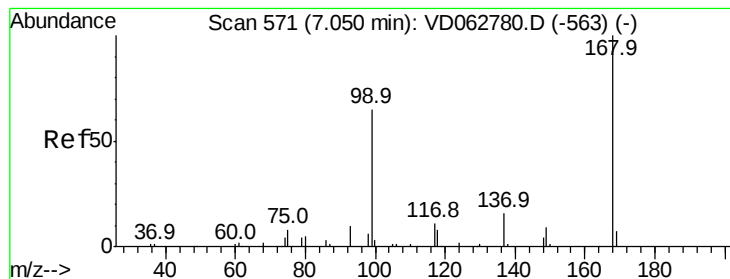
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071219\
Data File : VD063072.D
Acq On : 12 Jul 2019 15:54
Operator : VA/AP
Sample : VD0712SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

Quant Time: Jul 12 16:21:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	265743	22.991	ug/l	95
94) Hexachlorobutadiene	16.05	225	174187	19.726	ug/l	95
95) Naphthalene	16.13	128	400962	24.749	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	220266	24.802	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

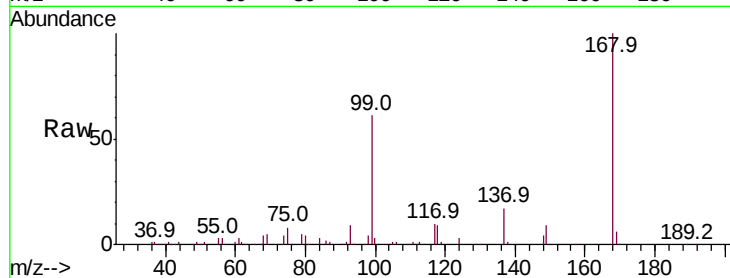
VD0712SBS01

Tot Ion:168 Resp: 878222

Ion Ratio Lower Upper

168 100

99 61.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

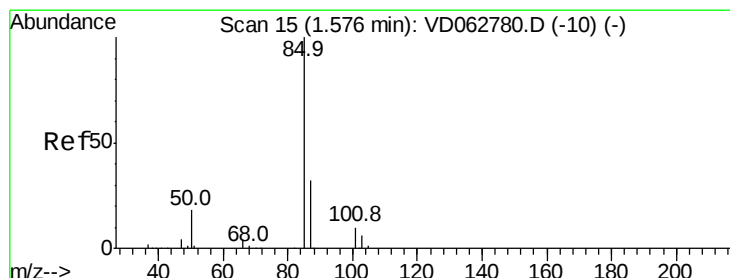
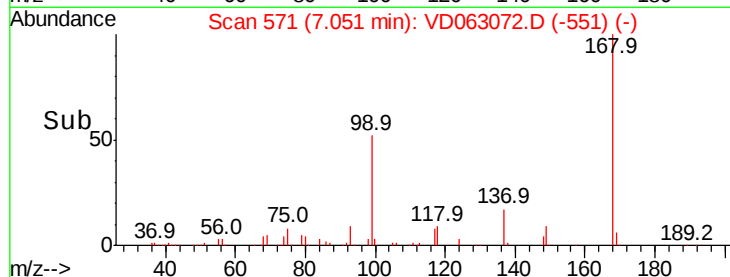
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 18.720 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD063072.D

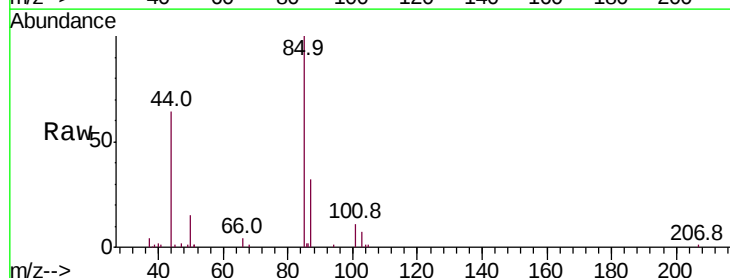
Acq: 12 Jul 2019 15:54

Tgt Ion: 85 Resp: 212745

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

60000

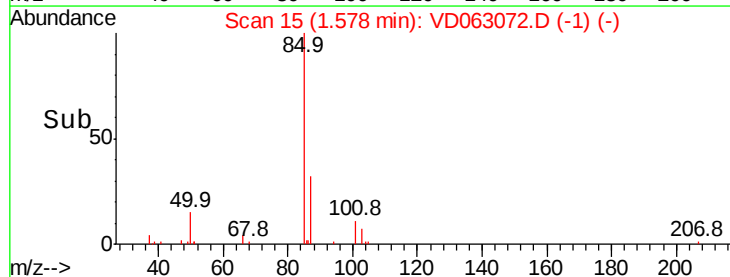
40000

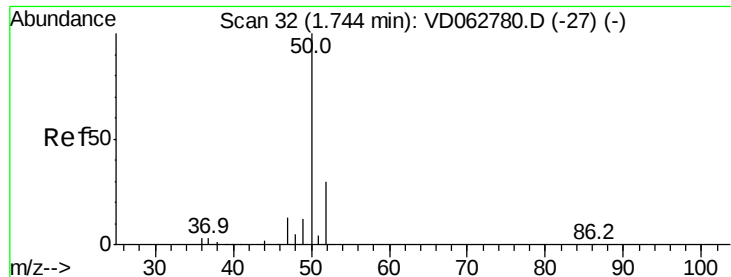
20000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 21.051 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

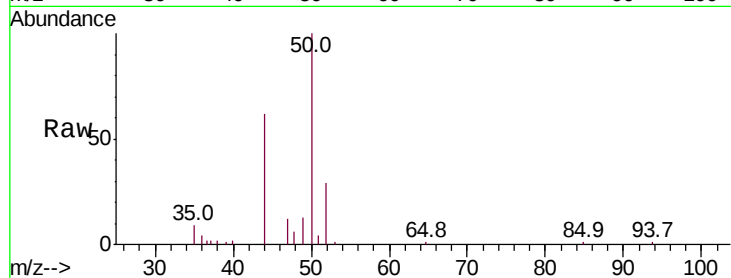
VD0712SBS01

Tot Ion: 50 Resp: 179916

Ion Ratio Lower Upper

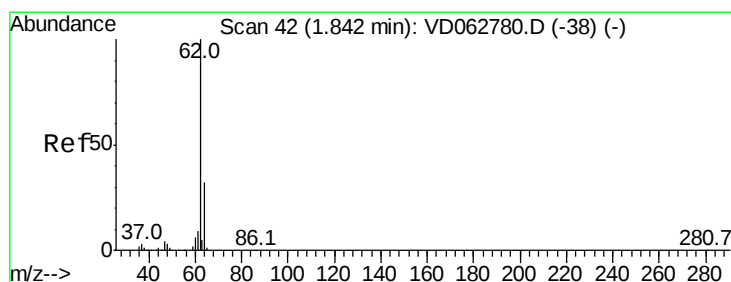
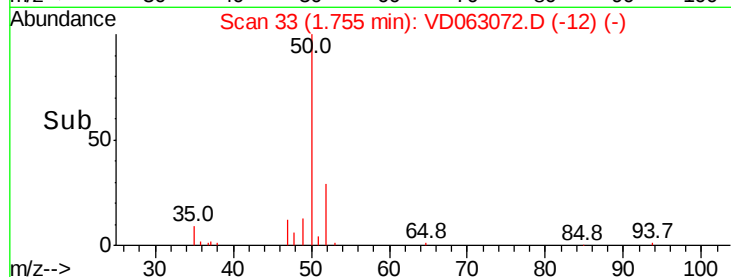
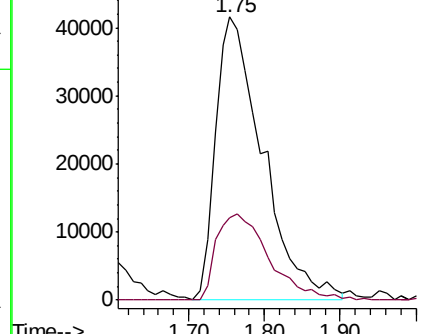
50 100

52 29.0 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.629 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063072.D

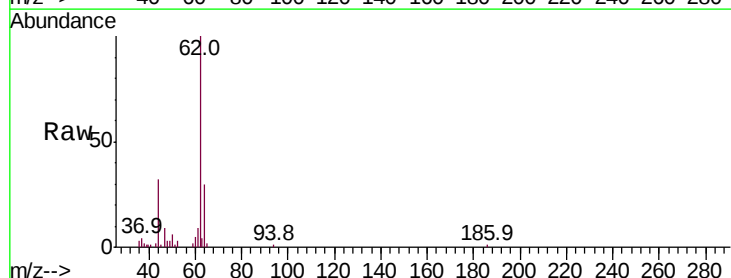
Acq: 12 Jul 2019 15:54

Tgt Ion: 62 Resp: 166336

Ion Ratio Lower Upper

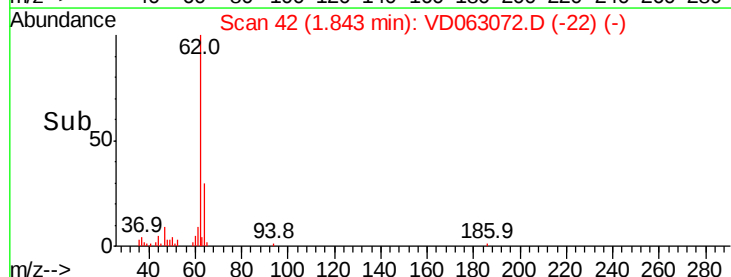
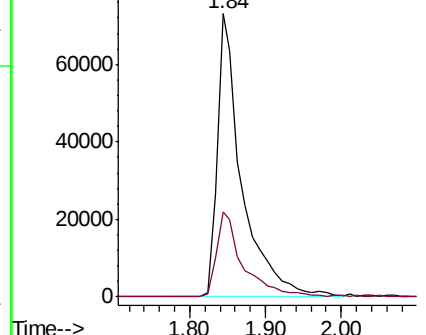
62 100

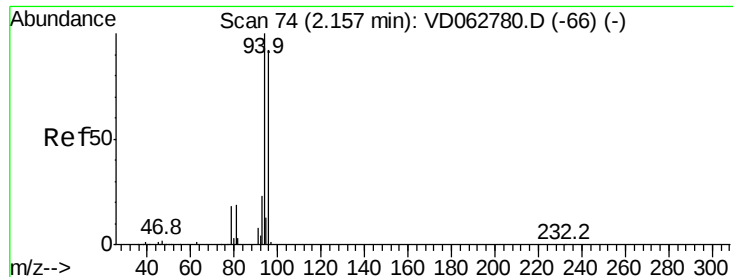
64 30.2 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.227 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

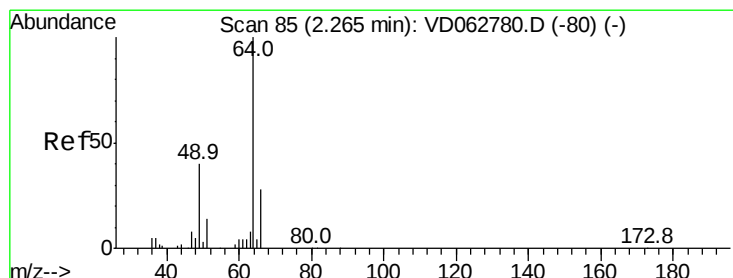
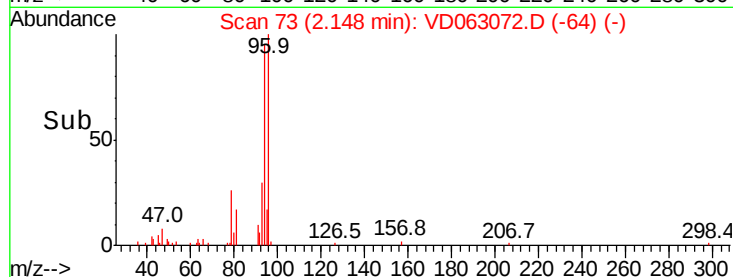
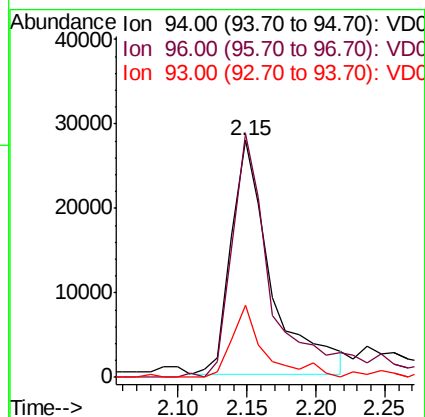
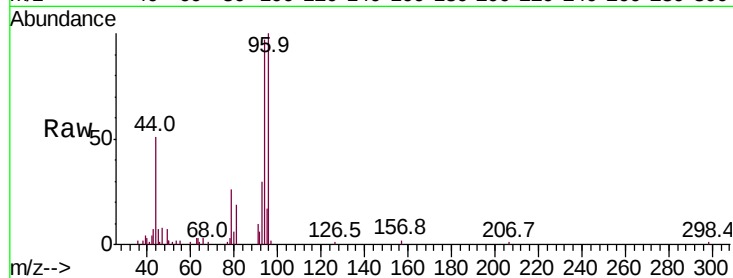
Tot Ion: 94 Resp: 56459

Ion Ratio Lower Upper

94 100

96 102.7 73.4 110.2

93 30.4 18.2 27.4#



#6

Chloroethane

Concen: 19.698 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063072.D

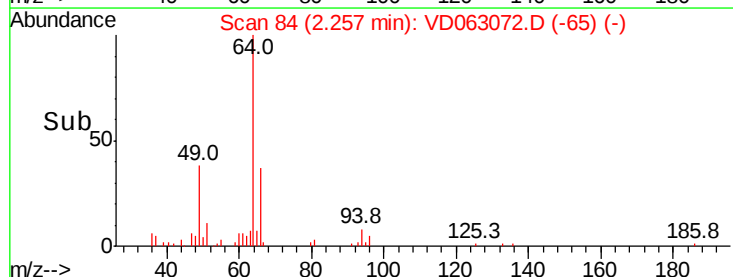
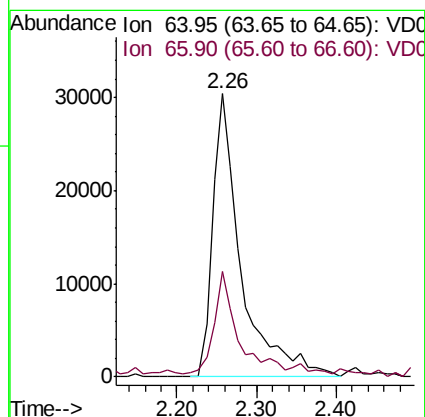
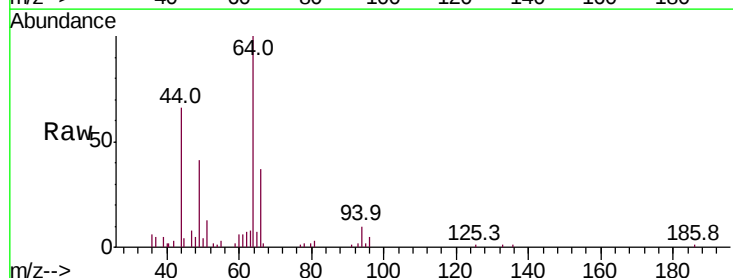
Acq: 12 Jul 2019 15:54

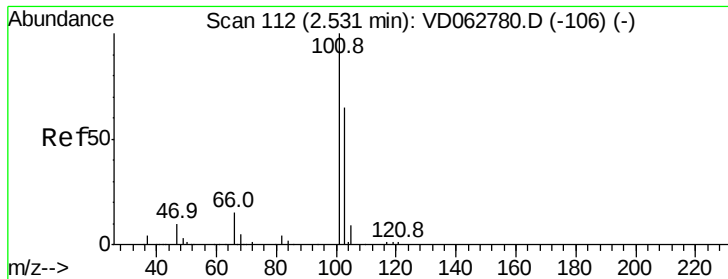
Tgt Ion: 64 Resp: 75571

Ion Ratio Lower Upper

64 100

66 37.3 23.0 34.4#



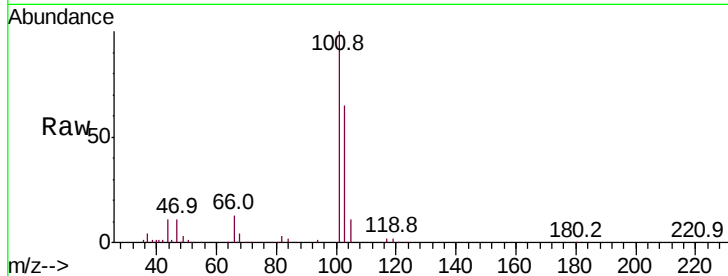


#7

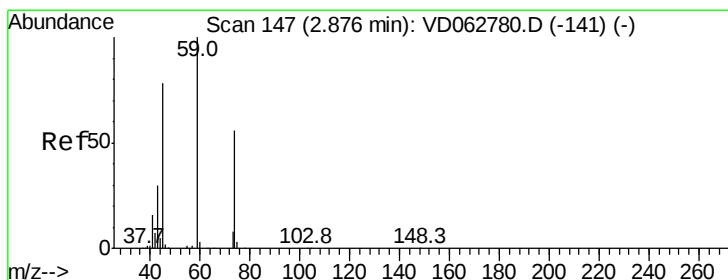
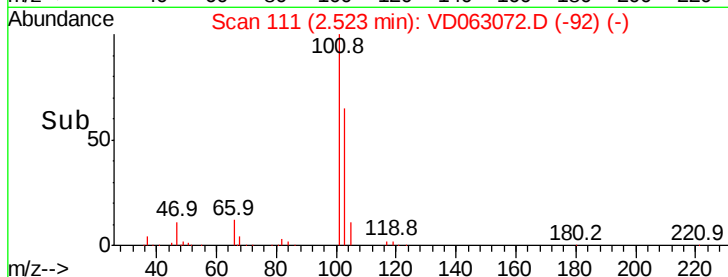
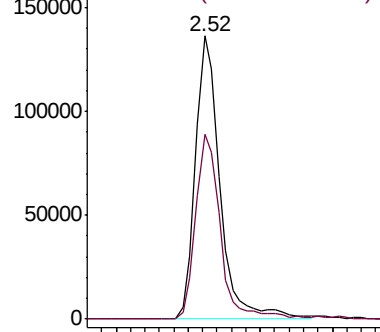
Trichlorofluoromethane
 Concen: 18.771 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

Tot Ion:101 Resp: 321926
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.8 77.8



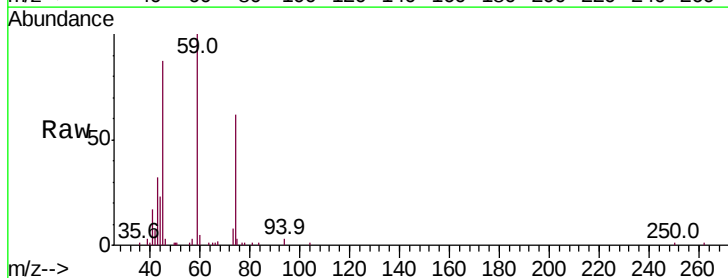
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



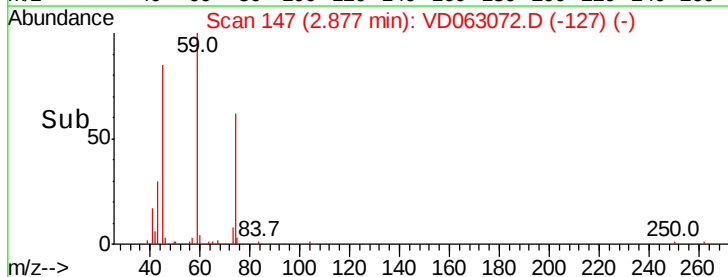
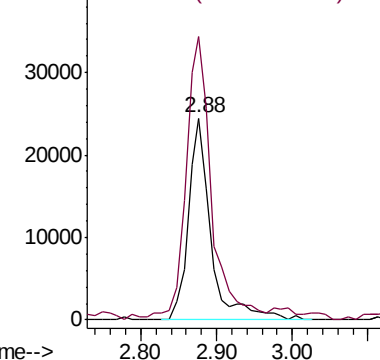
#8

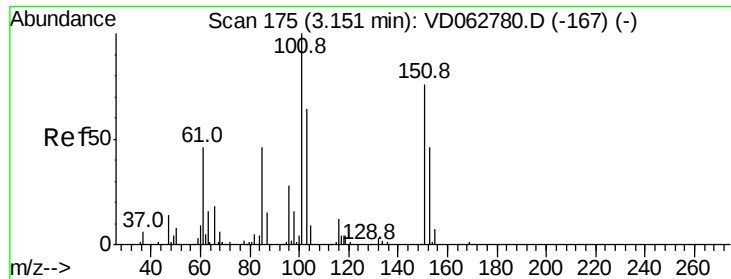
Diethyl Ether
 Concen: 23.321 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 74 Resp: 50818
 Ion Ratio Lower Upper
 74 100
 45 140.4 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.343 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

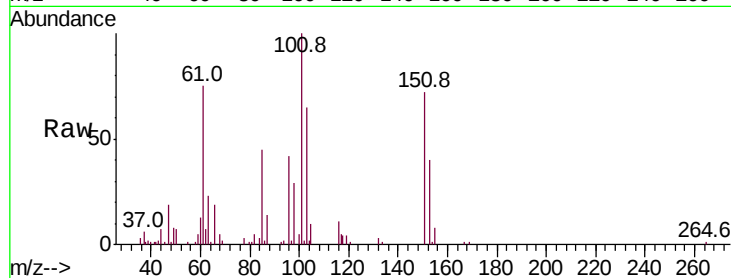
Tot Ion:101 Resp: 189006

Ion Ratio Lower Upper

101 100

85 45.5 37.0 55.4

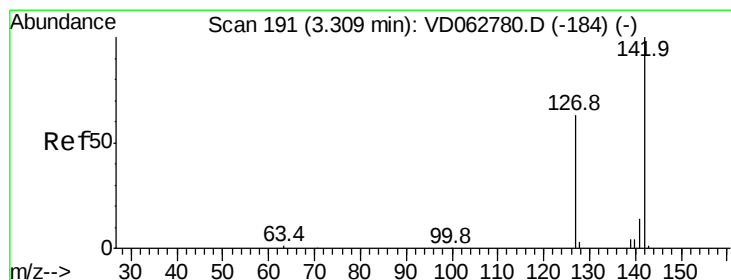
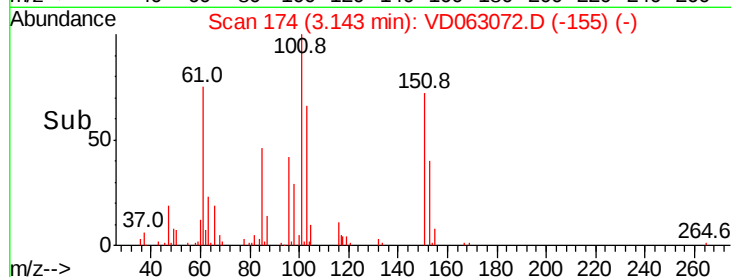
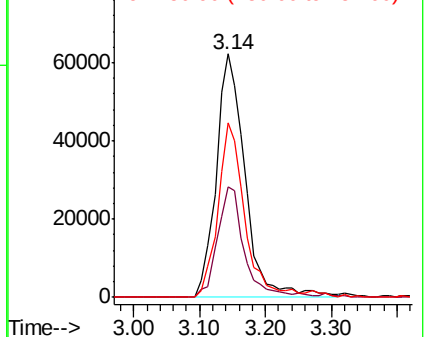
151 71.8 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.056 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

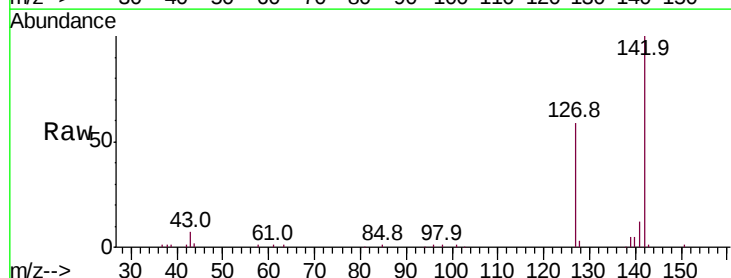
Tgt Ion:142 Resp: 221320

Ion Ratio Lower Upper

142 100

127 59.5 50.1 75.1

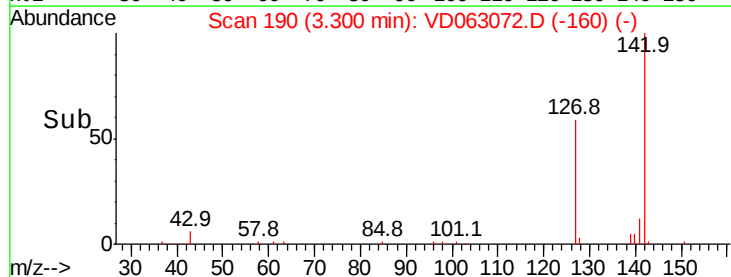
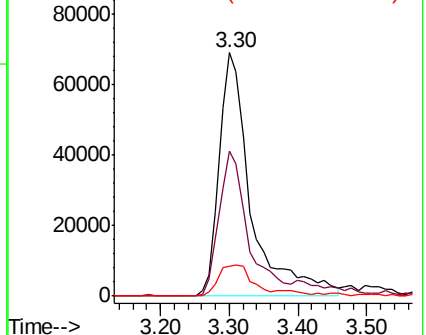
141 12.5 11.0 16.4

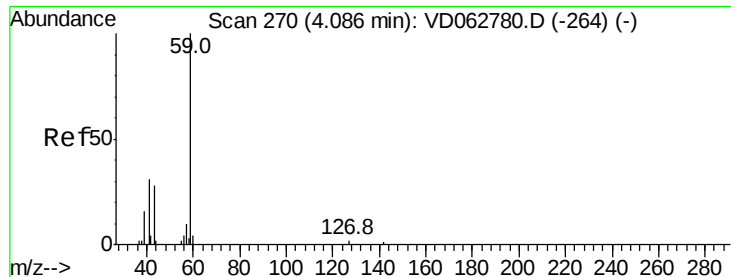


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



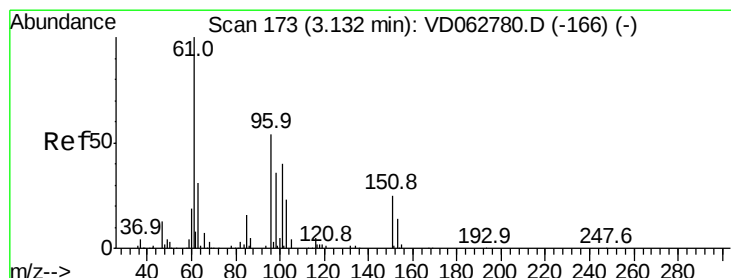
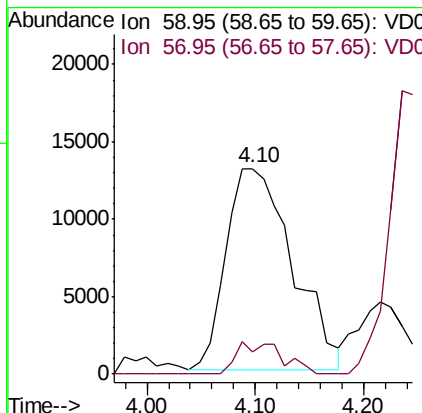
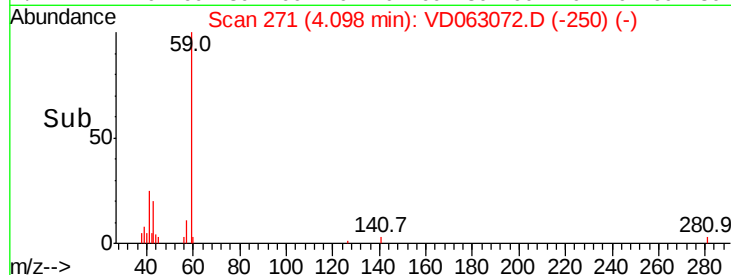
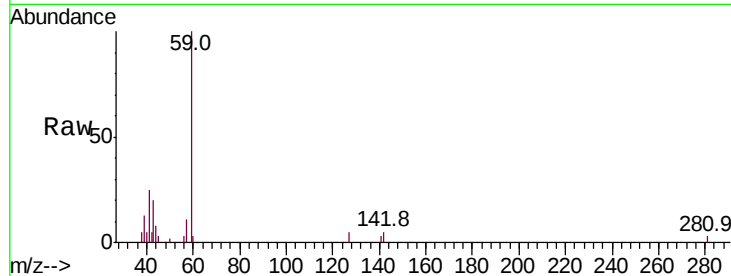


#11

Tert butyl alcohol
 Concen: 128.151 ug/l
 RT: 4.10 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

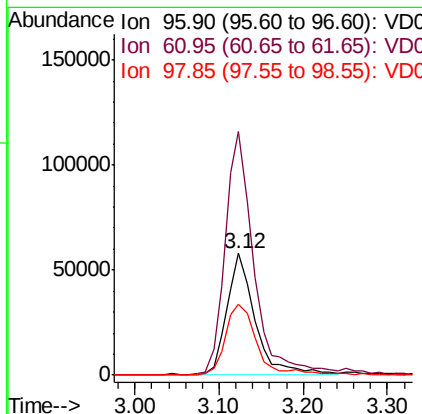
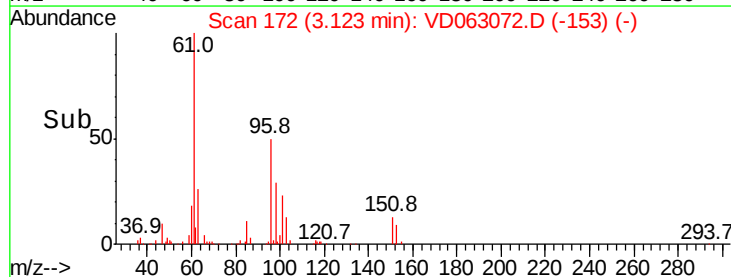
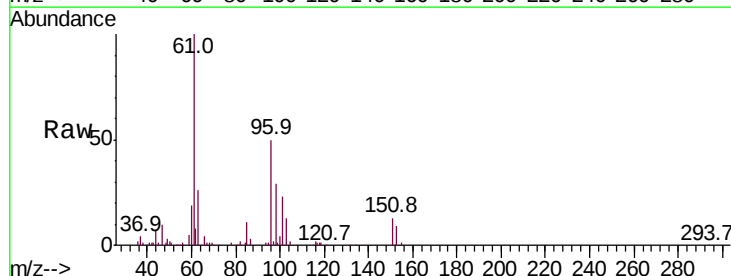
Tot Ion: 59 Resp: 55717
 Ion Ratio Lower Upper
 59 100
 57 10.7 6.6 10.0#

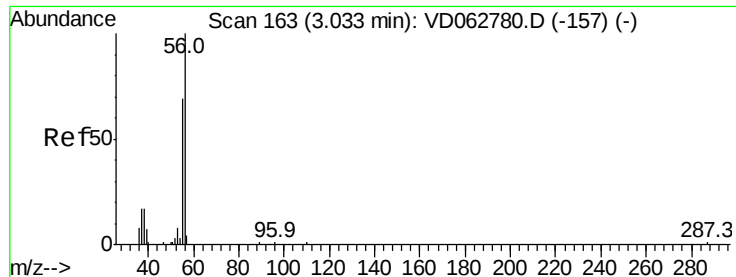


#12

1,1-Dichloroethene
 Concen: 19.052 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 96 Resp: 132791
 Ion Ratio Lower Upper
 96 100
 61 199.7 147.1 220.7
 98 58.1 52.6 79.0





#13

Acrolein

Concen: 53.234 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

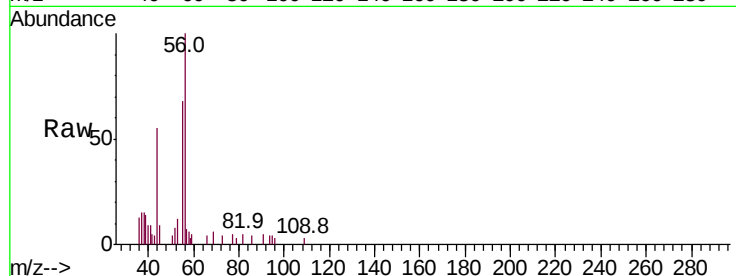
VD0712SBS01

Tot Ion: 56 Resp: 23628

Ion Ratio Lower Upper

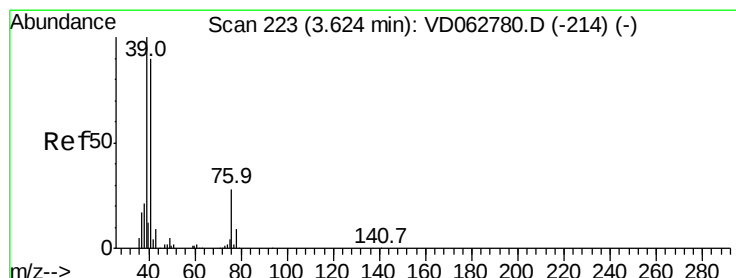
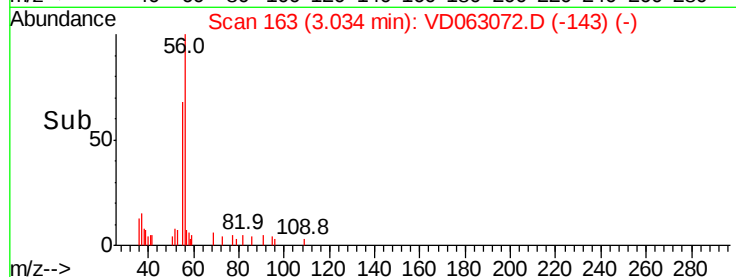
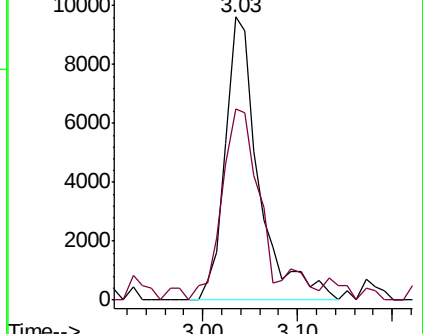
56 100

55 67.7 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.114 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

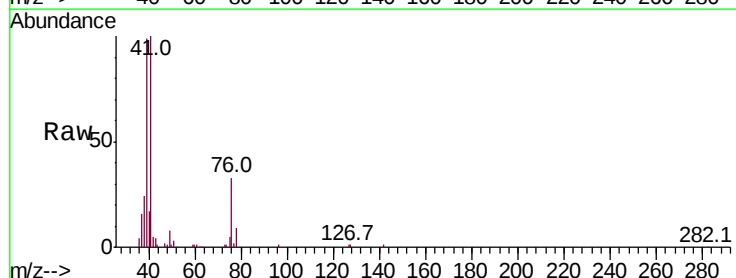
Tgt Ion: 41 Resp: 227745

Ion Ratio Lower Upper

41 100

39 99.3 88.8 133.2

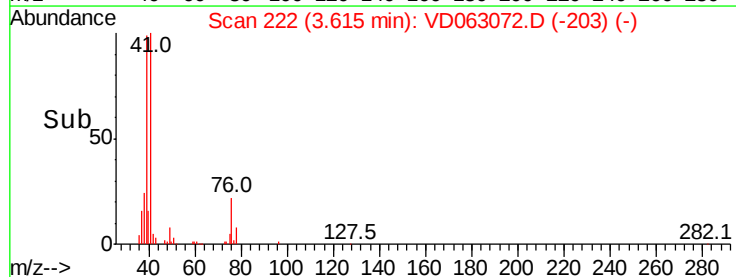
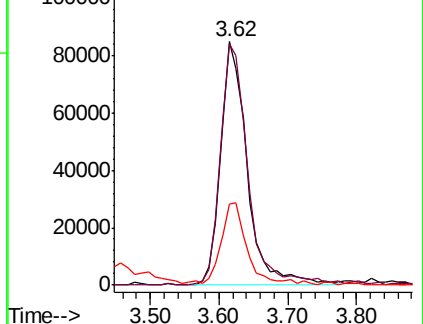
76 33.5 26.7 40.1

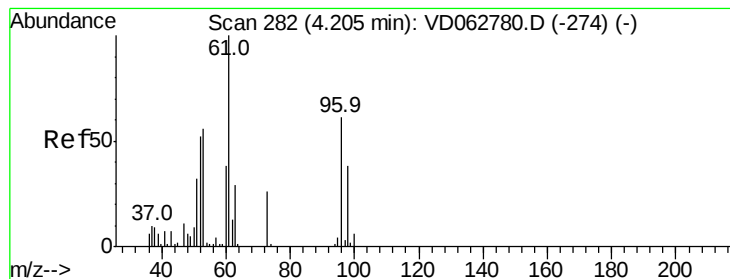


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 128.872 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

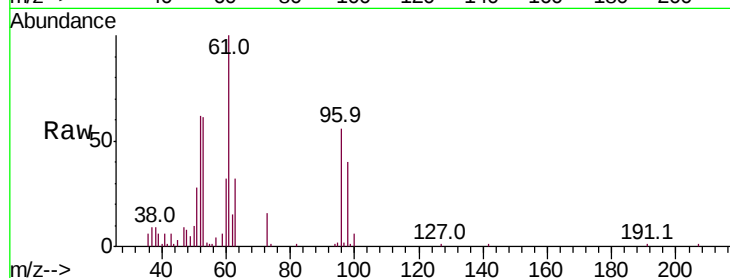
Tot Ion: 53 Resp: 131656

Ion Ratio Lower Upper

53 100

52 101.3 73.3 109.9

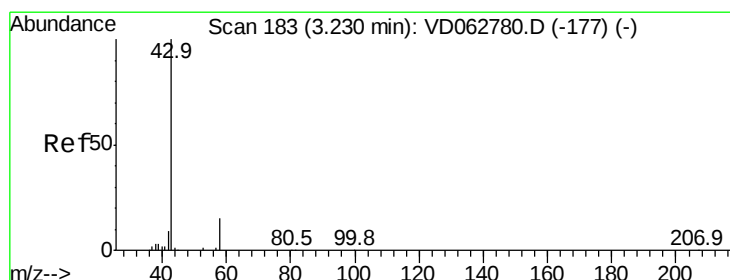
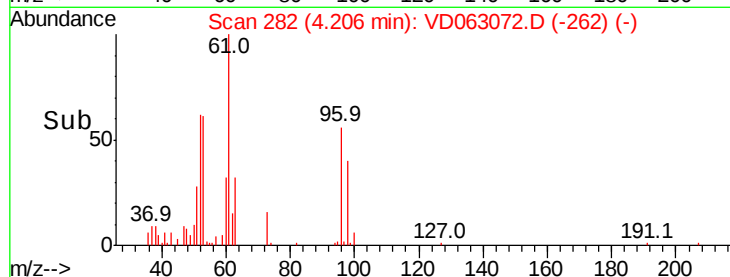
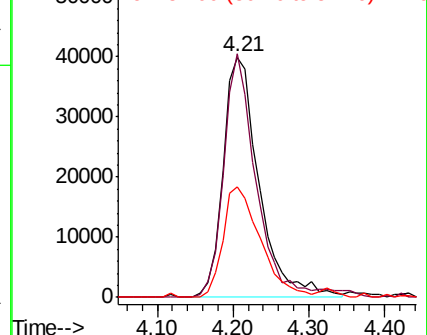
51 45.7 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 117.285 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD063072.D

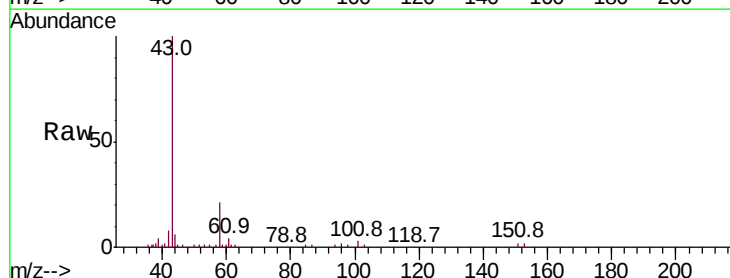
Acq: 12 Jul 2019 15:54

Tgt Ion: 43 Resp: 234238

Ion Ratio Lower Upper

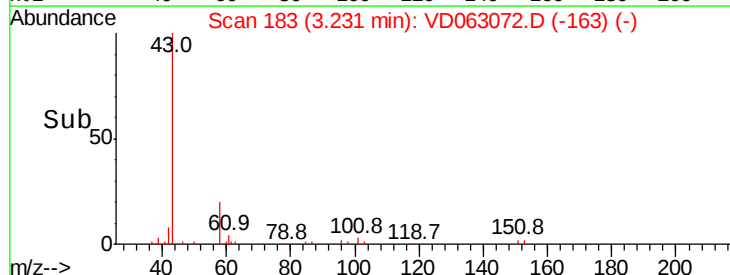
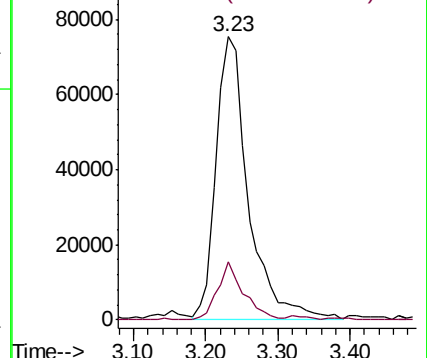
43 100

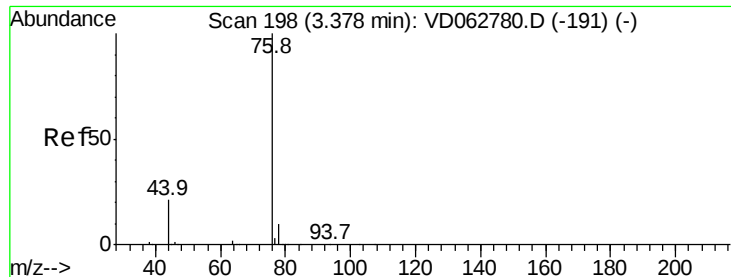
58 20.7 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

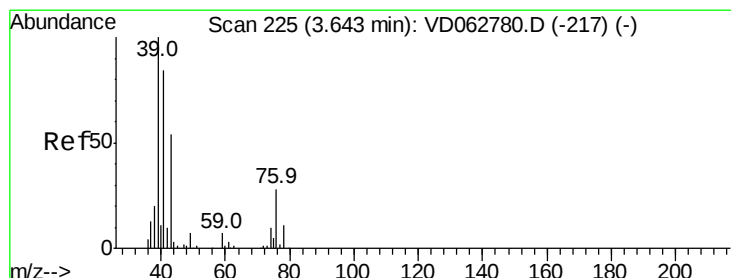
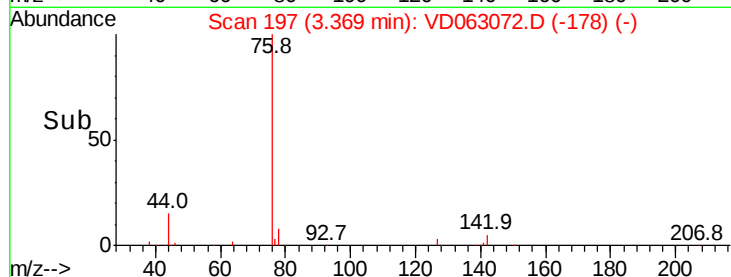
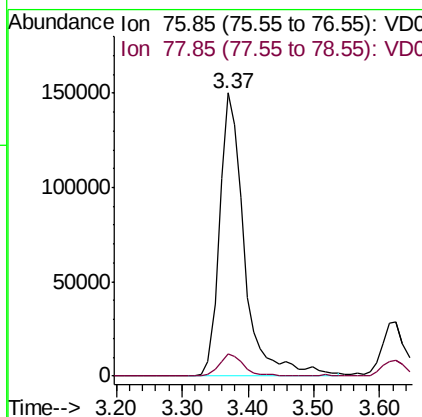
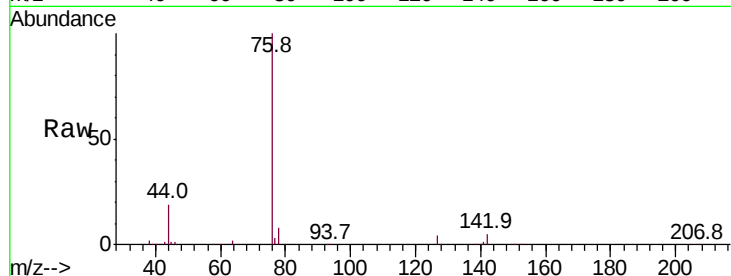




#17
Carbon Disulfide
Concen: 17.714 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

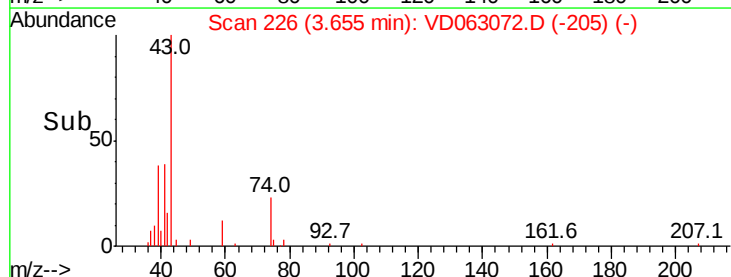
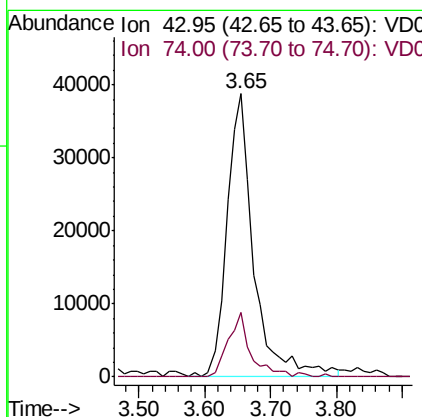
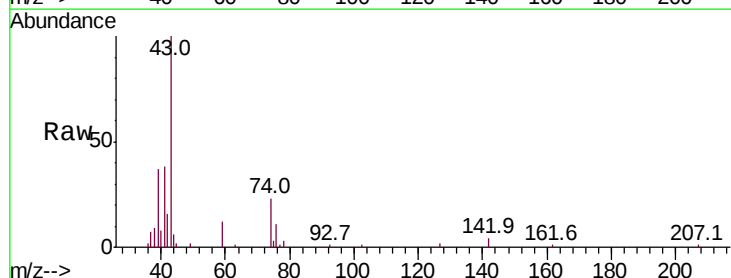
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

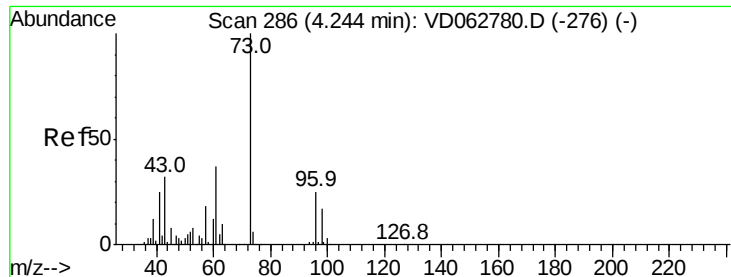
Tot Ion: 76 Resp: 394591
Ion Ratio Lower Upper
76 100
78 8.0 8.0 12.0#



#18
Methyl Acetate
Concen: 38.252 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 43 Resp: 110233
Ion Ratio Lower Upper
43 100
74 22.8 15.2 22.8#



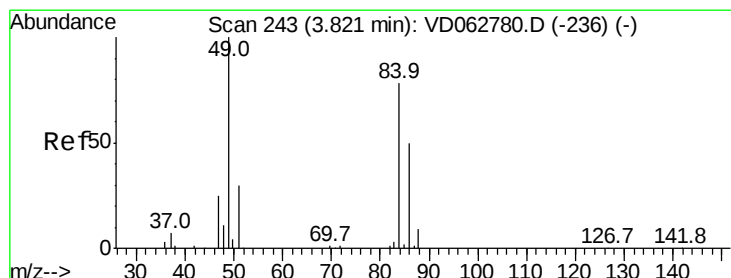
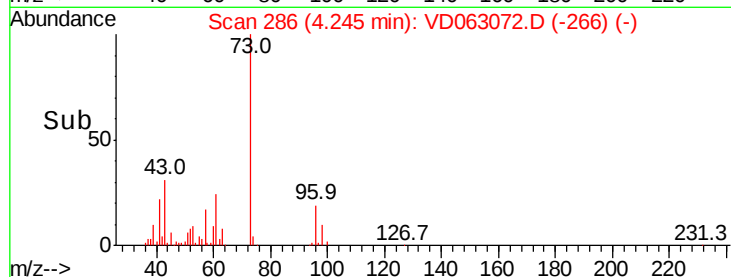
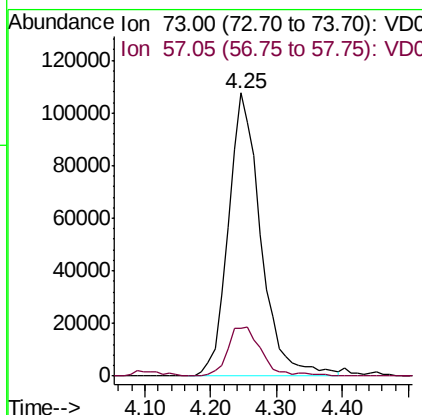
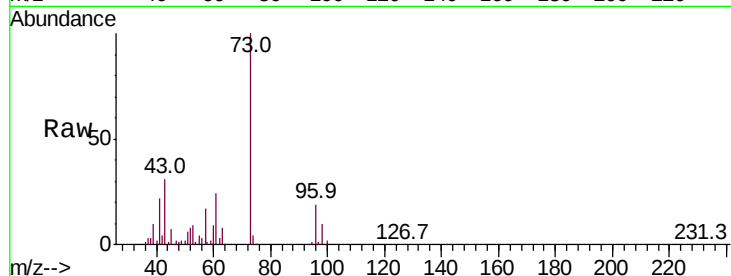


#19

Methyl tert-butyl Ether
 Concen: 24.689 ug/l
 RT: 4.25 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

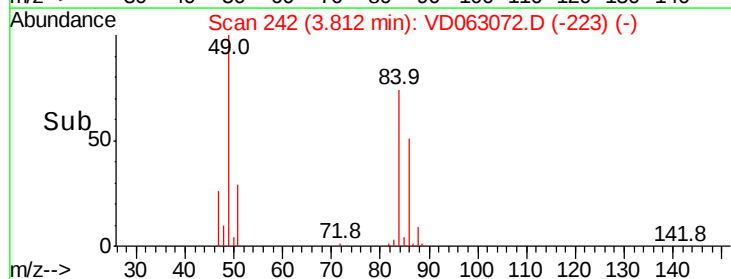
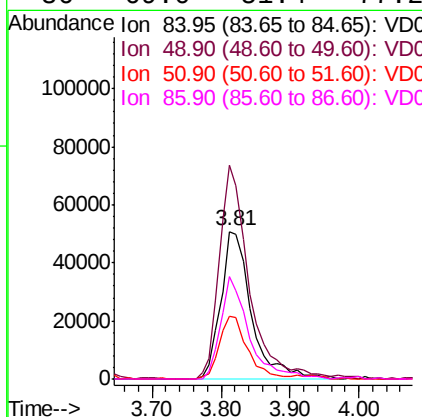
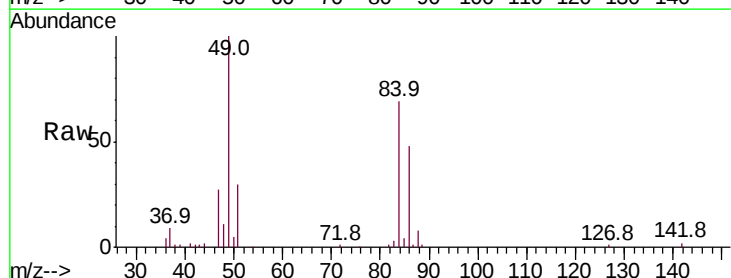
Tot Ion: 73 Resp: 372512
 Ion Ratio Lower Upper
 73 100
 57 16.8 14.3 21.5

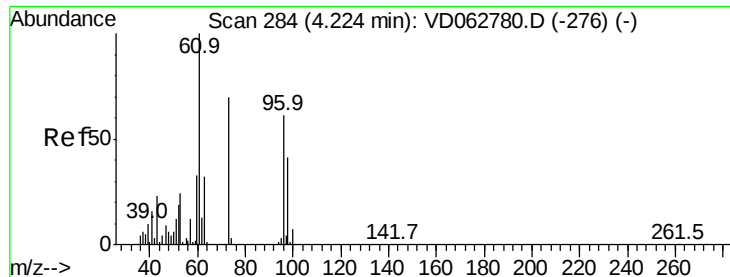


#20

Methylene Chloride
 Concen: 21.634 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 84 Resp: 157504
 Ion Ratio Lower Upper
 84 100
 49 144.5 102.9 154.3
 51 42.8 31.2 46.8
 86 69.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.036 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

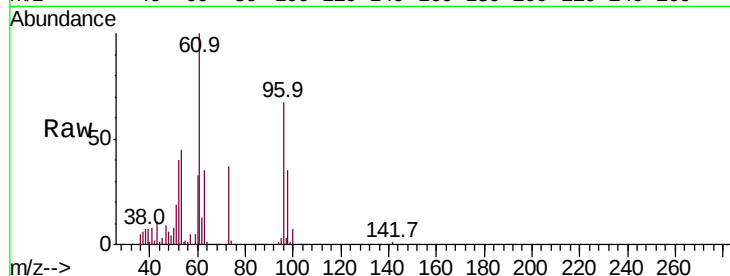
Tot Ion: 96 Resp: 163537

Ion Ratio Lower Upper

96 100

61 150.1 131.0 196.4

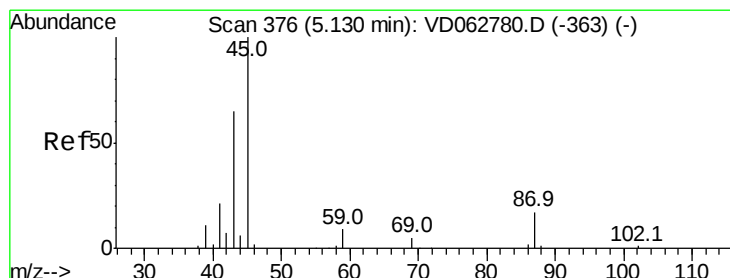
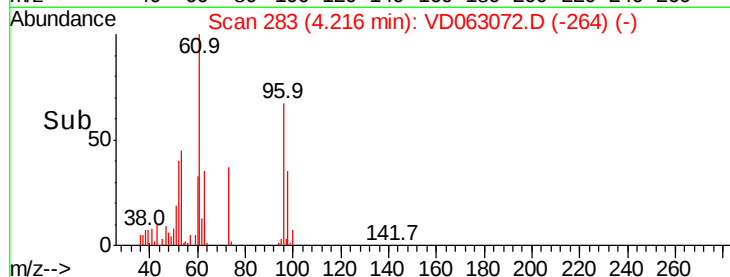
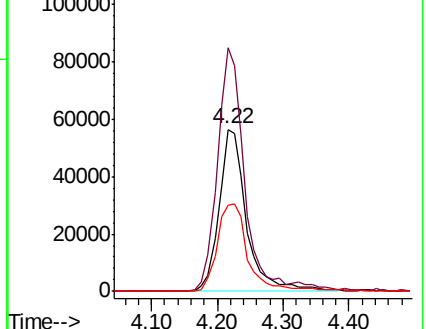
98 53.2 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 23.707 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Tgt Ion: 45 Resp: 496520

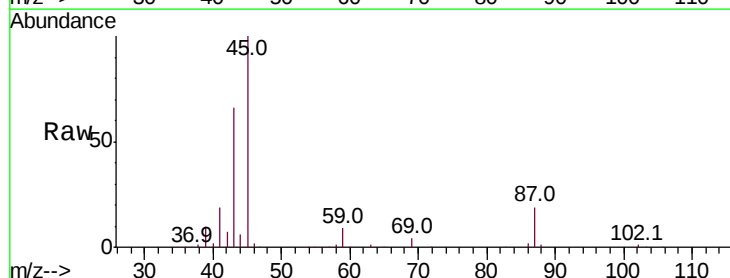
Ion Ratio Lower Upper

45 100

43 66.2 53.4 80.0

87 19.3 14.6 22.0

59 8.6 7.8 11.8

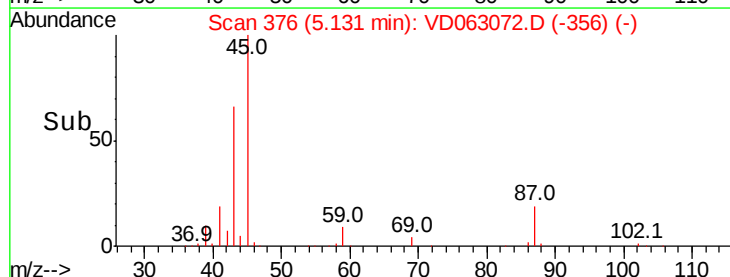
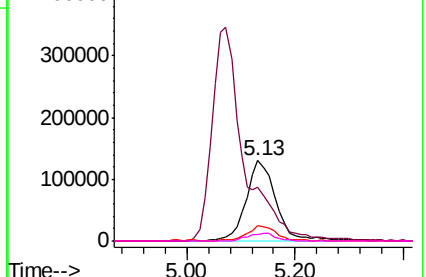


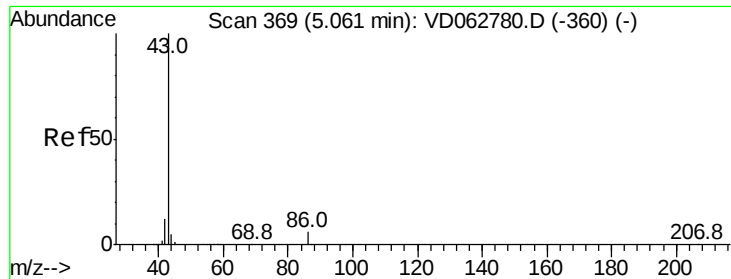
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

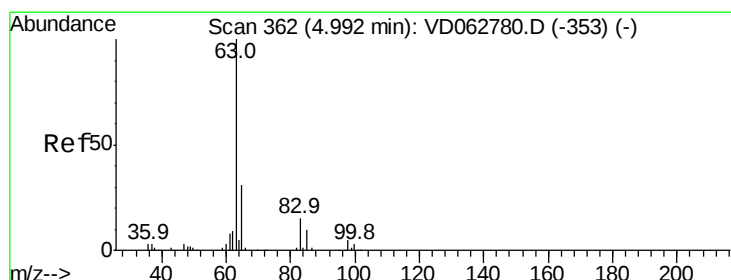
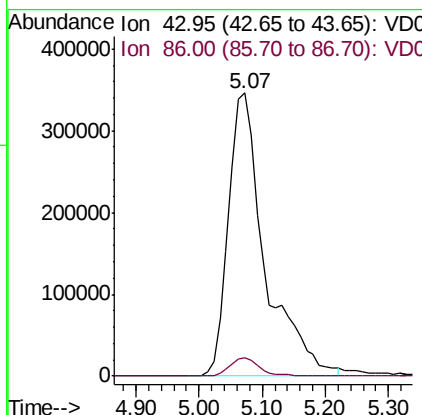
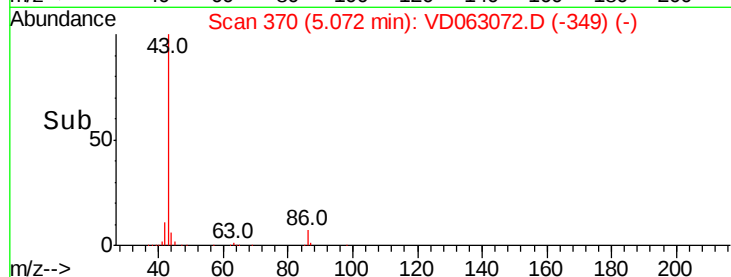
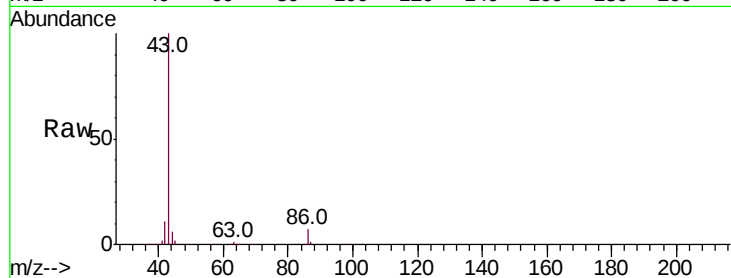




#23
 Vinyl Acetate
 Concen: 106.095 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

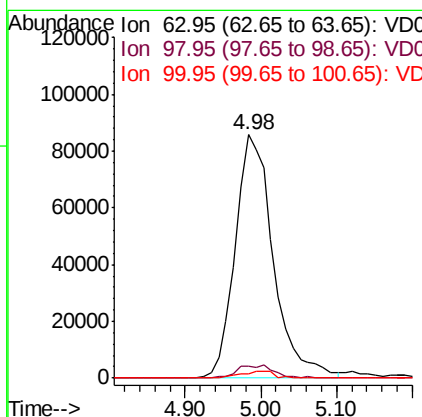
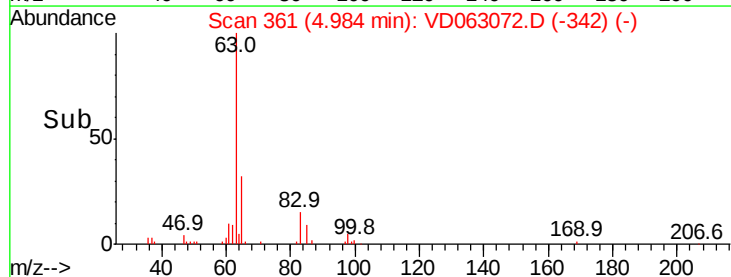
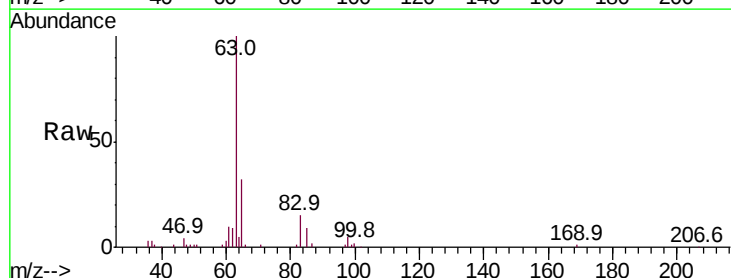
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

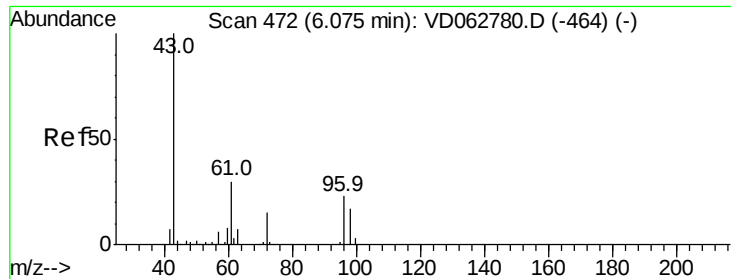
Tot Ion: 43 Resp: 1390433
 Ion Ratio Lower Upper
 43 100
 86 6.6 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 21.912 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 63 Resp: 298793
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.3 6.9
 100 1.9 1.7 5.1





#25

2-Butanone

Concen: 127.030 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

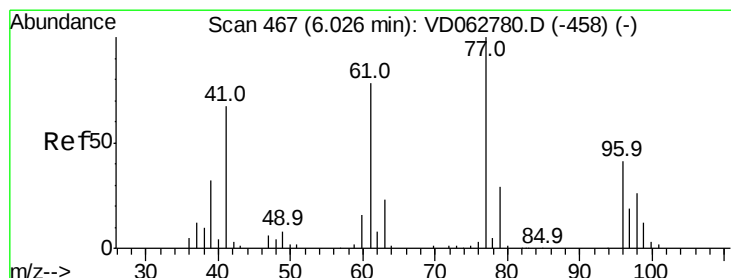
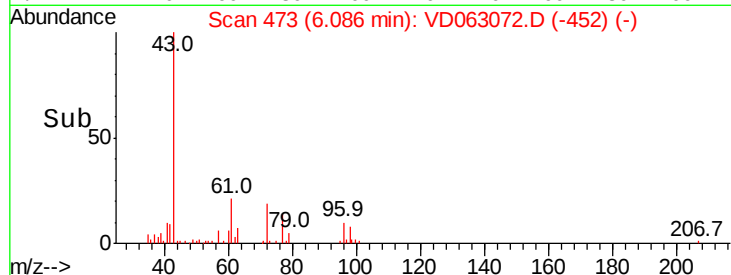
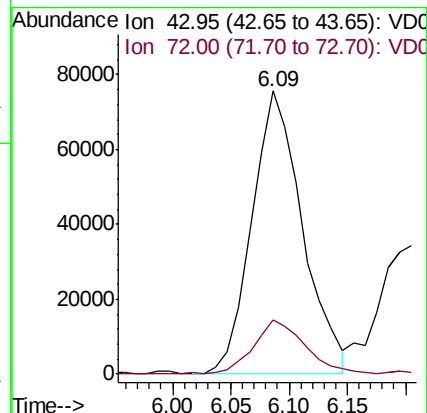
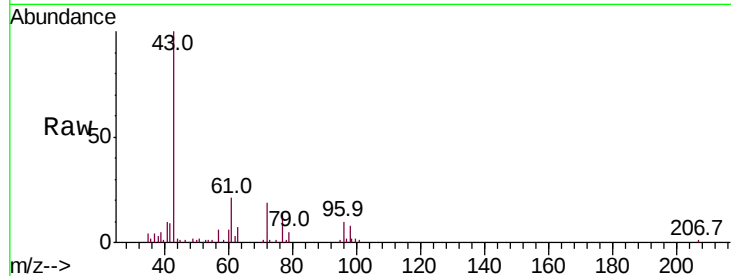
VD0712SBS01

Tot Ion: 43 Resp: 226802

Ion Ratio Lower Upper

43 100

72 19.4 11.9 17.9#



#26

2,2-Dichloropropane

Concen: 21.564 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063072.D

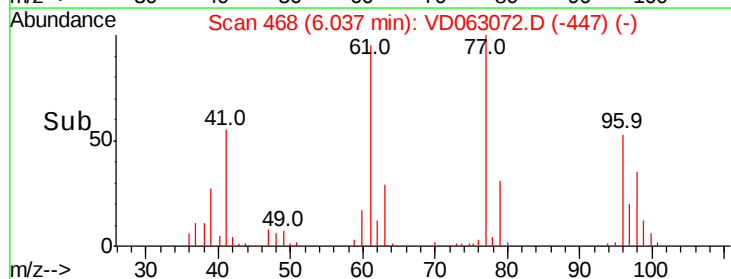
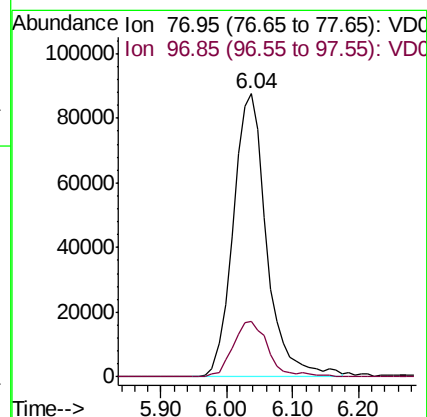
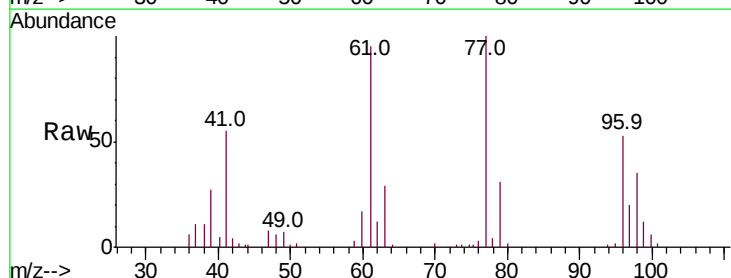
Acq: 12 Jul 2019 15:54

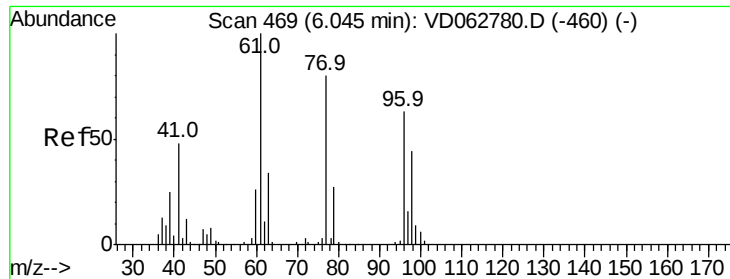
Tgt Ion: 77 Resp: 311677

Ion Ratio Lower Upper

77 100

97 19.5 9.5 28.5





#27

cis-1,2-Dichloroethene

Concen: 22.404 ug/l

RT: 6.05 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

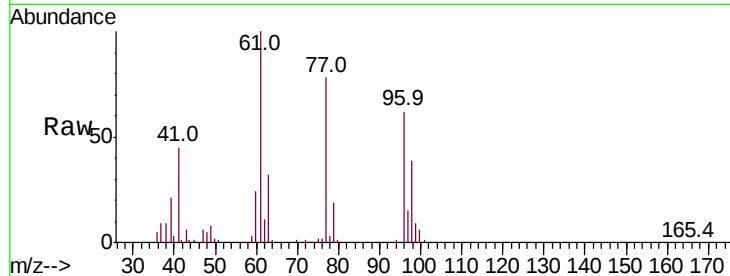
Tot Ion: 96 Resp: 175827

Ion Ratio Lower Upper

96 100

61 162.1 0.0 316.0

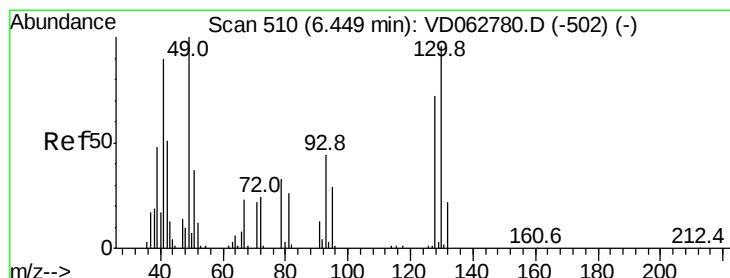
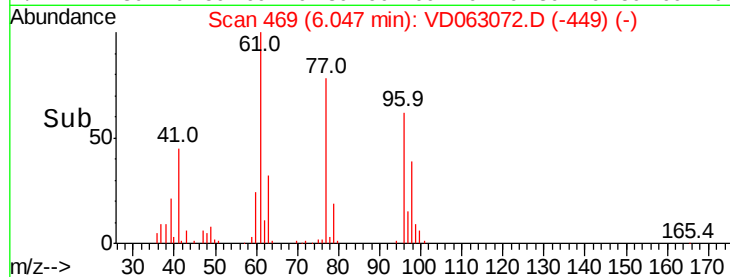
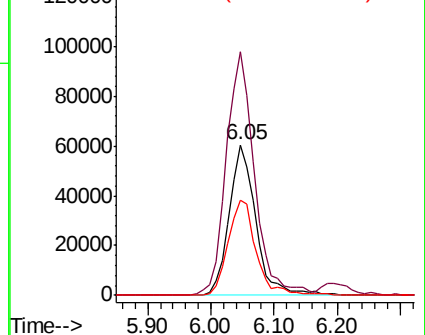
98 63.6 0.0 138.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 23.577 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

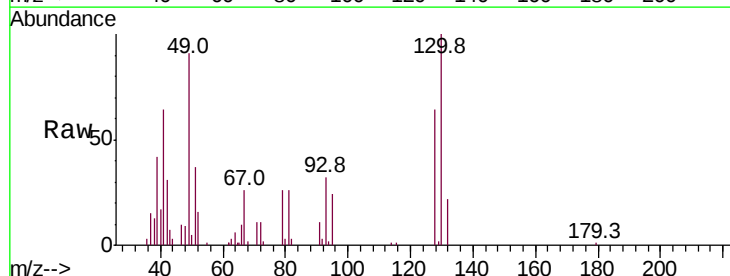
Tgt Ion: 49 Resp: 113233

Ion Ratio Lower Upper

49 100

129 2.3 0.0 5.6

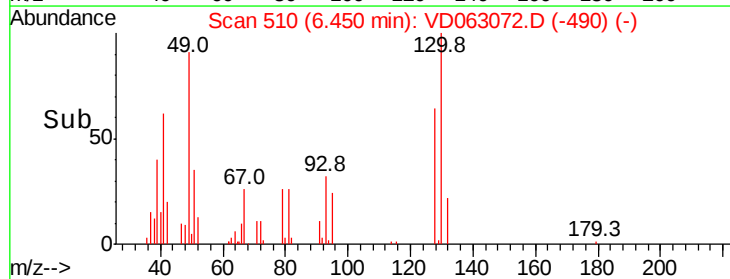
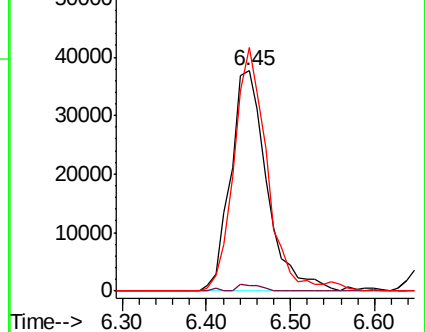
130 110.4 76.6 114.8

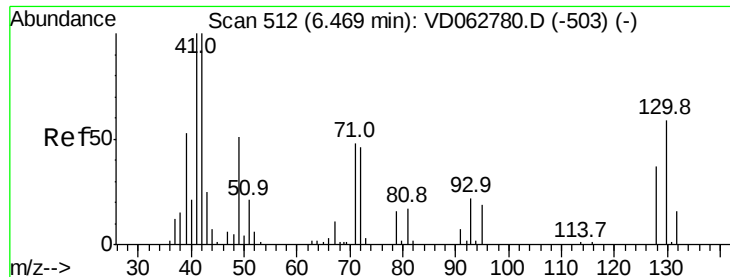


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

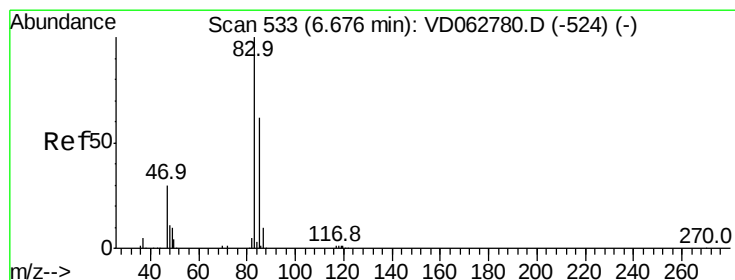
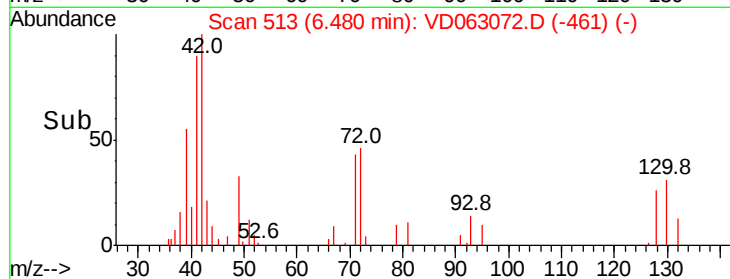
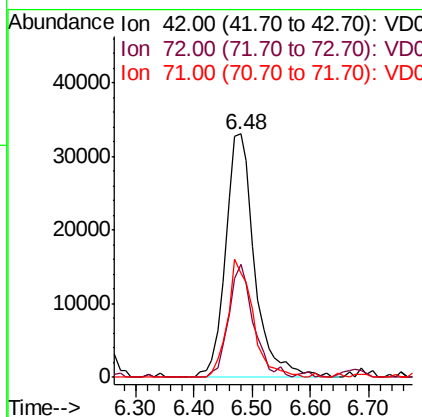
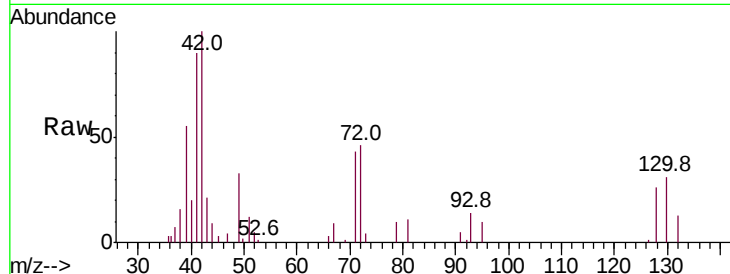




#29
Tetrahydrofuran
Concen: 135.301 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

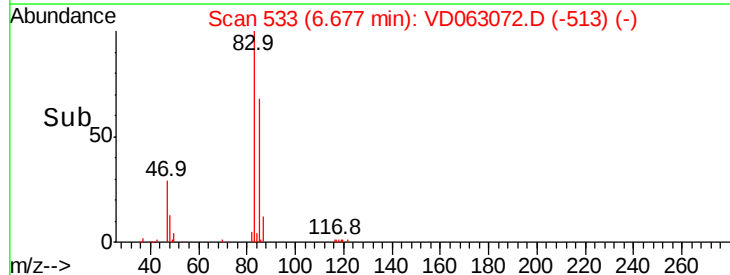
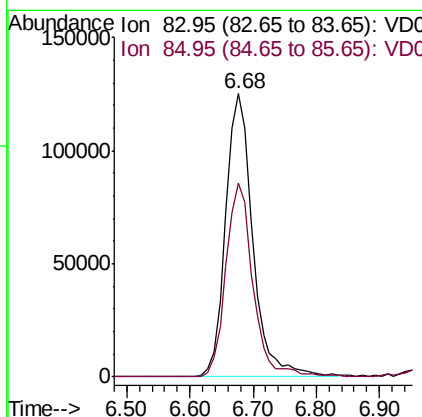
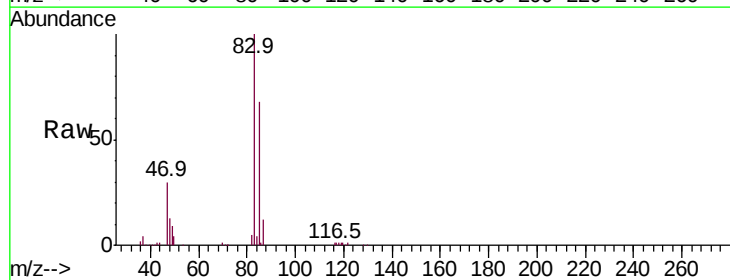
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

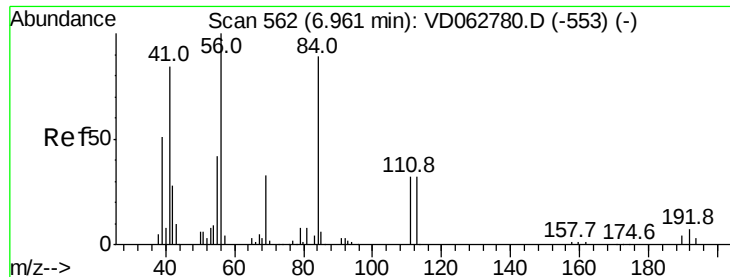
Tot Ion: 42 Resp: 114296
Ion Ratio Lower Upper
42 100
72 39.4 35.0 52.6
71 42.1 33.3 49.9



#30
Chloroform
Concen: 22.532 ug/l
RT: 6.68 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 83 Resp: 373657
Ion Ratio Lower Upper
83 100
85 68.4 49.8 74.6

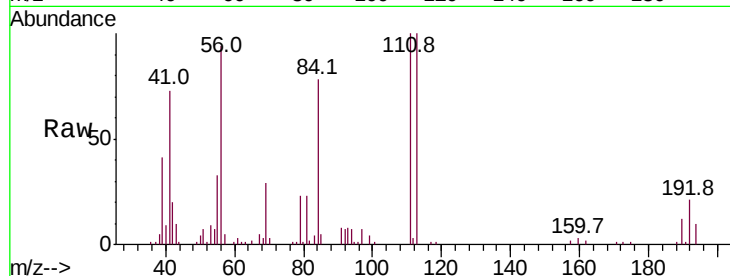




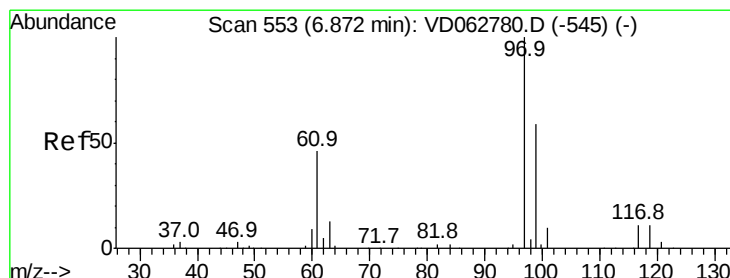
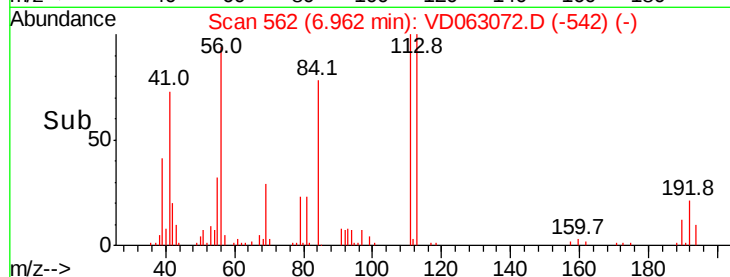
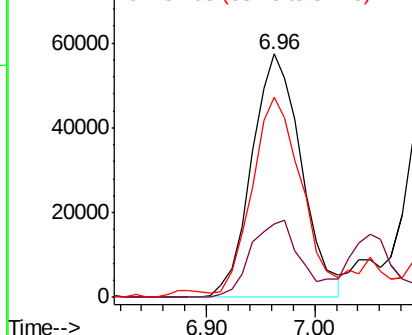
#31
Cvclohexane
Concen: 20.429 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

Tot Ion: 56 Resp: 183138
Ion Ratio Lower Upper
56 100
69 30.4 26.6 39.8
84 82.4 75.5 113.3

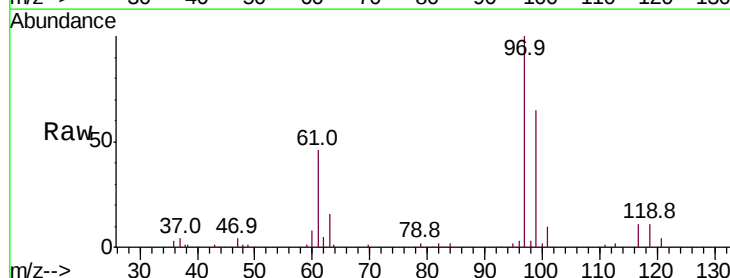


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

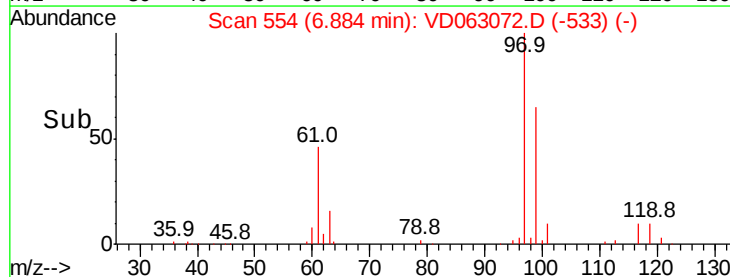
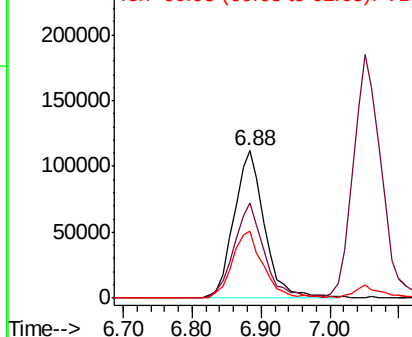


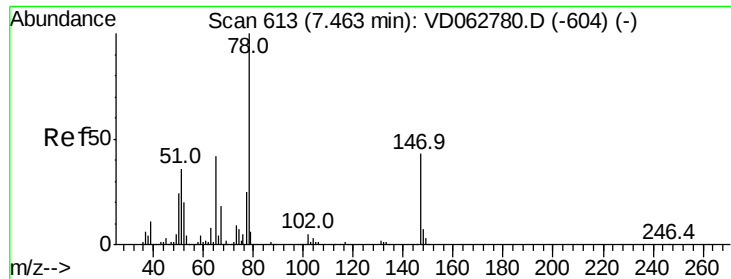
#32
1,1,1-Trichloroethane
Concen: 19.832 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 97 Resp: 342555
Ion Ratio Lower Upper
97 100
99 64.8 47.4 71.2
61 45.6 37.2 55.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.365 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

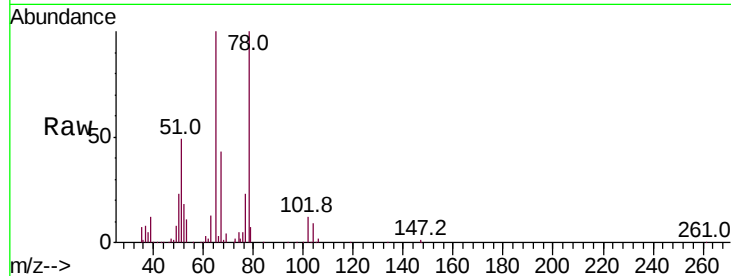
VD0712SBS01

Tot Ion: 65 Resp: 490335

Ion Ratio Lower Upper

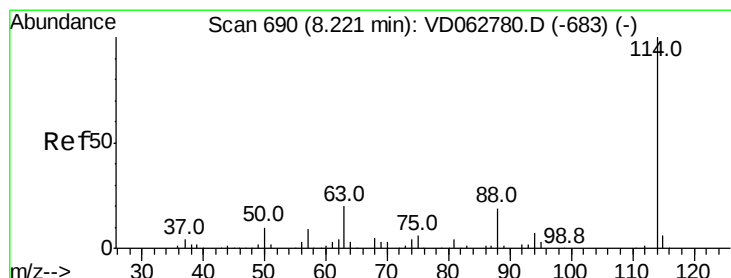
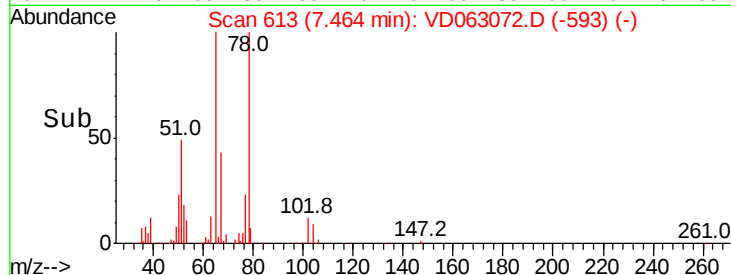
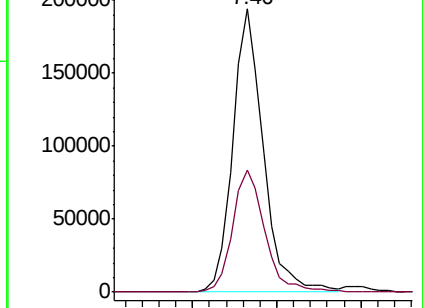
65 100

67 43.4 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

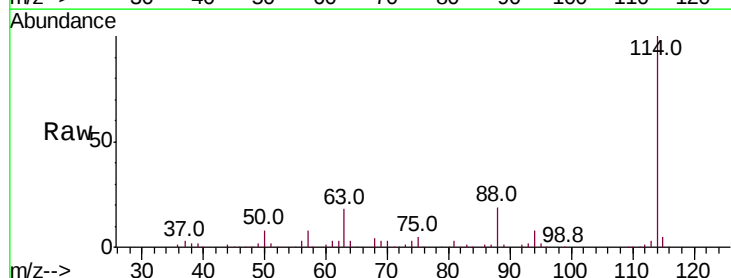
Tgt Ion: 114 Resp: 1159217

Ion Ratio Lower Upper

114 100

63 17.7 0.0 40.0

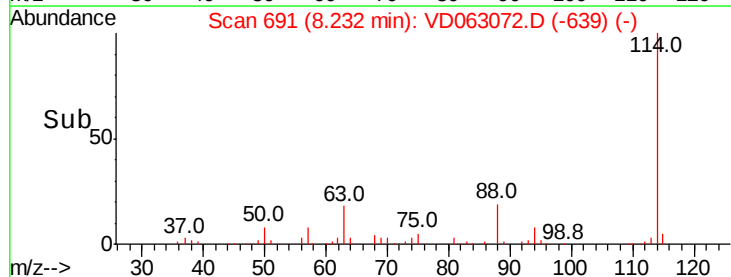
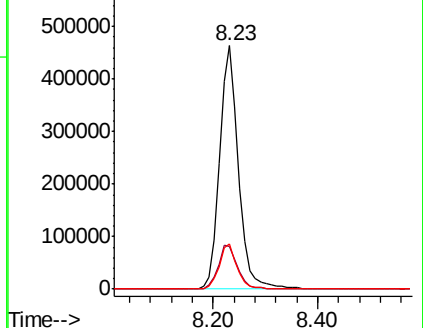
88 18.6 0.0 38.8

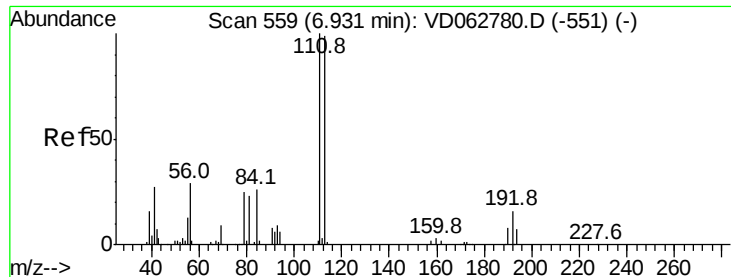


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.561 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

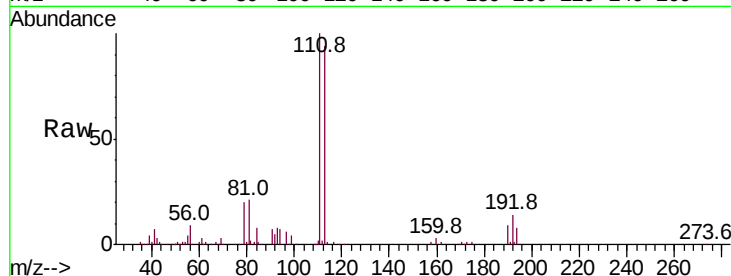
Tot Ion:113 Resp: 503984

Ion Ratio Lower Upper

113 100

111 106.4 81.2 121.8

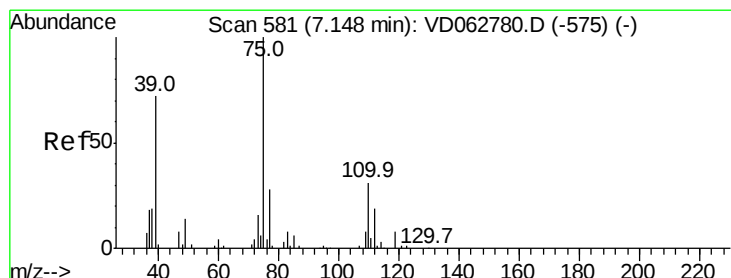
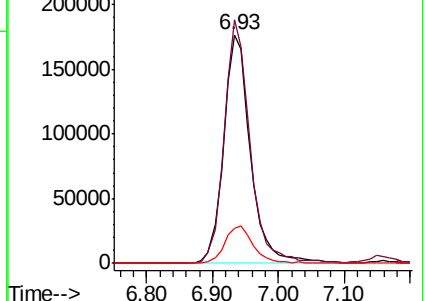
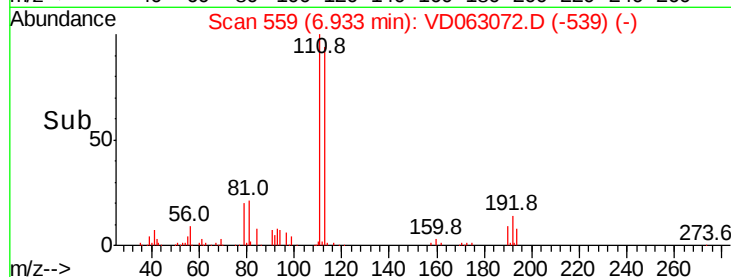
192 15.2 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.403 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

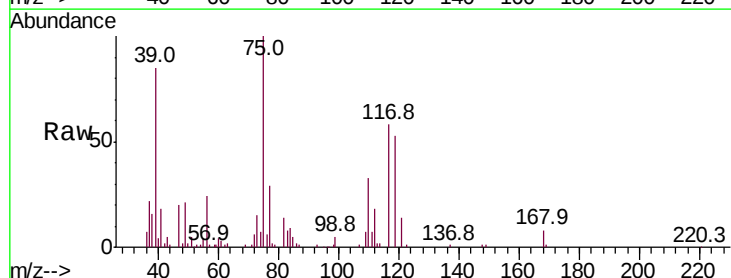
Tgt Ion: 75 Resp: 234869

Ion Ratio Lower Upper

75 100

110 33.3 15.0 45.1

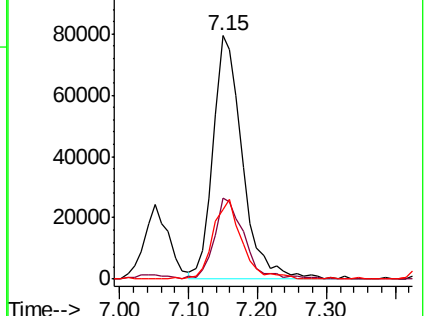
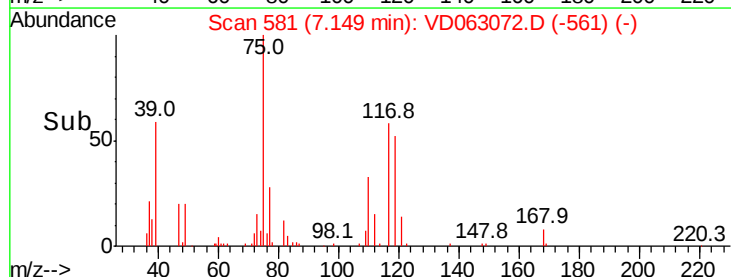
77 28.8 22.2 33.2

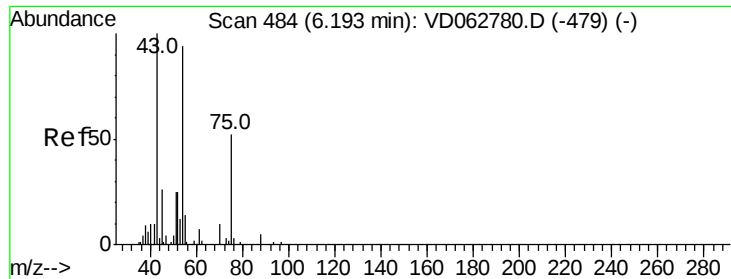


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

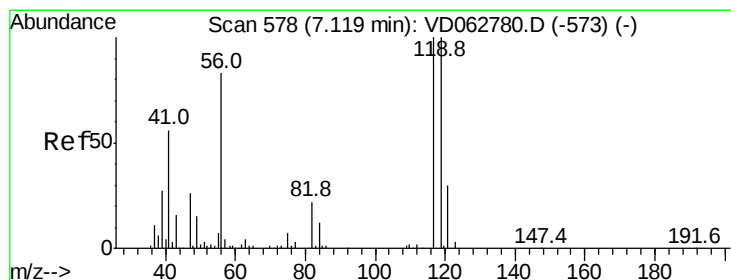
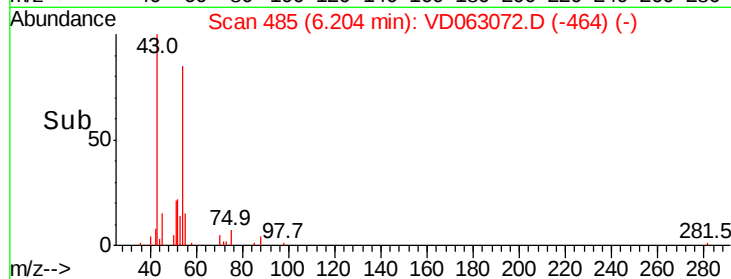
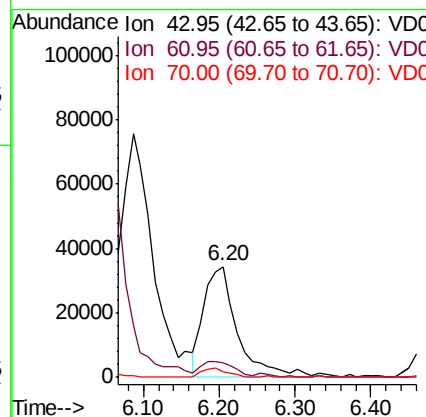
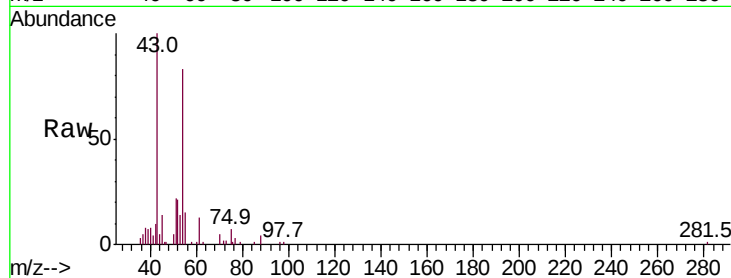




#37
Ethyl Acetate
Concen: 22.800 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

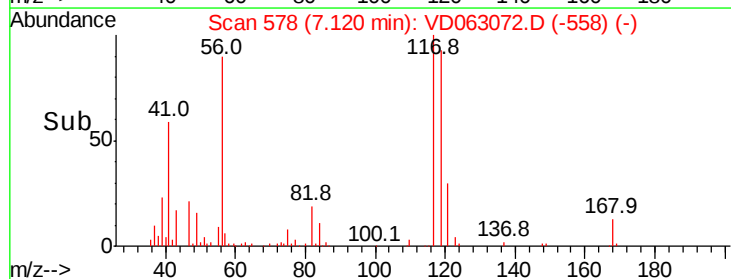
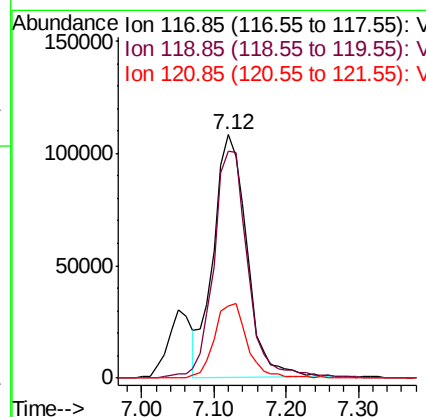
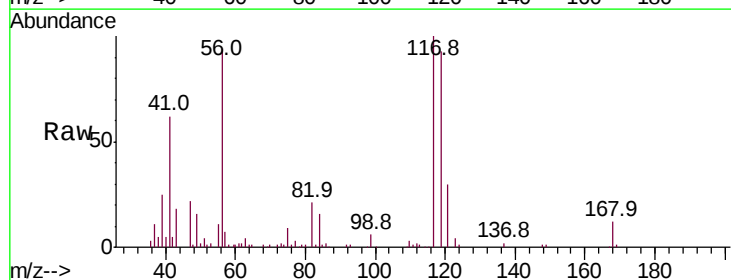
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

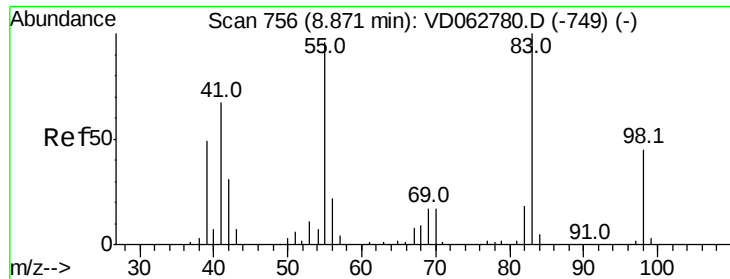
Tot Ion: 43 Resp: 107862
Ion Ratio Lower Upper
43 100
61 12.6 11.6 17.4
70 5.1 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 21.058 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 117 Resp: 347546
Ion Ratio Lower Upper
117 100
119 93.3 75.4 113.2
121 29.7 22.3 33.5

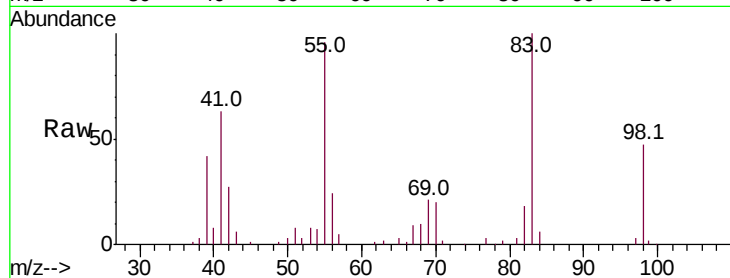




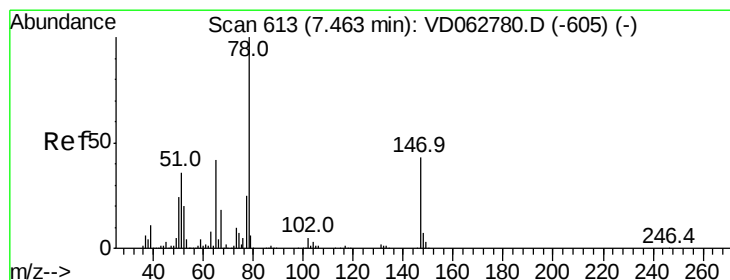
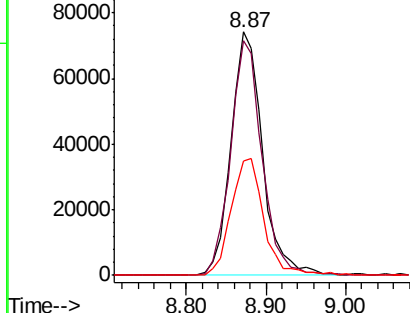
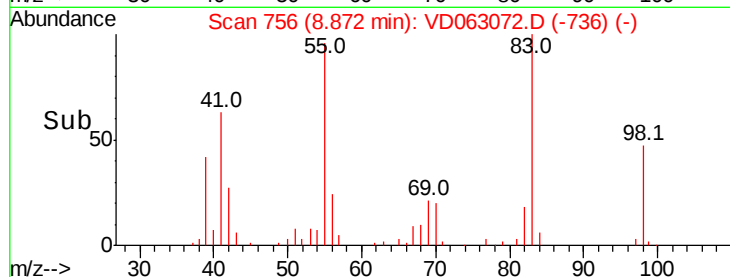
#39
Methvlcvclohexane
Concen: 21.149 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

Tot Ion: 83 Resp: 204282
Ion Ratio Lower Upper
83 100
55 96.3 76.6 115.0
98 46.8 35.7 53.5

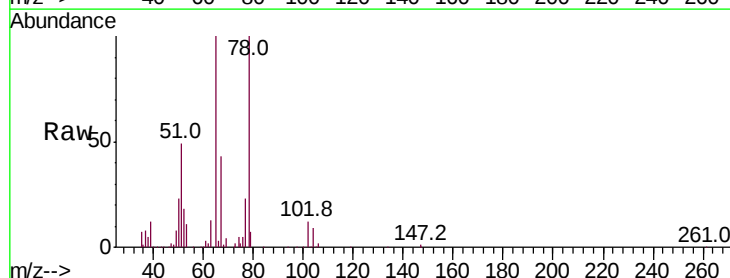


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

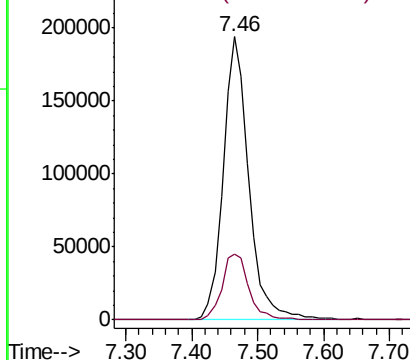
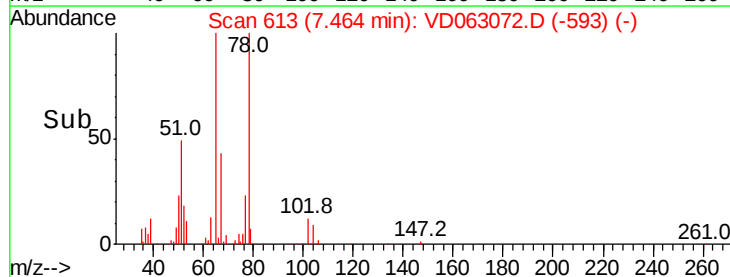


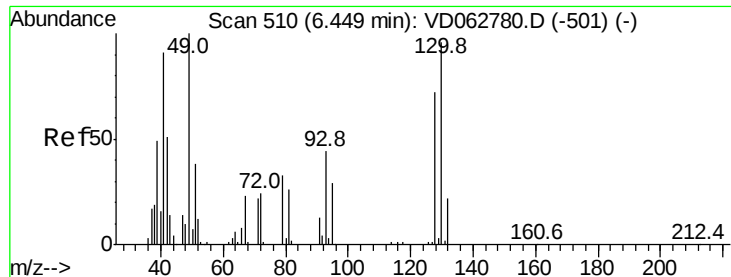
#40
Benzene
Concen: 23.873 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 78 Resp: 525861
Ion Ratio Lower Upper
78 100
77 23.3 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

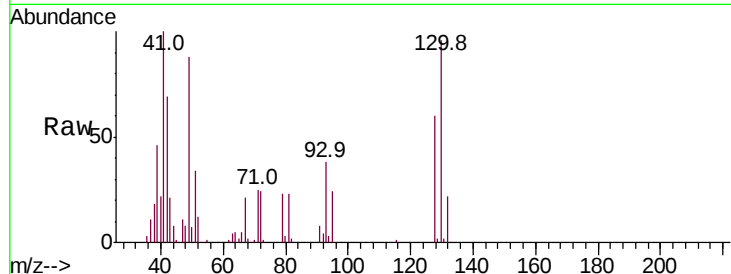




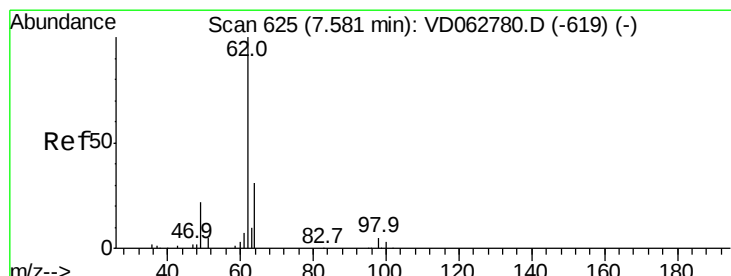
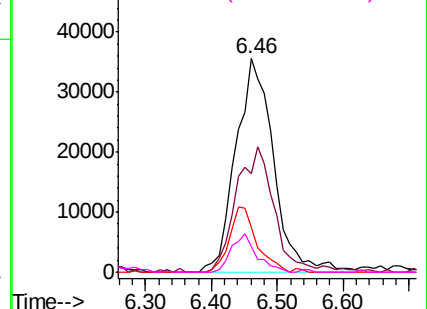
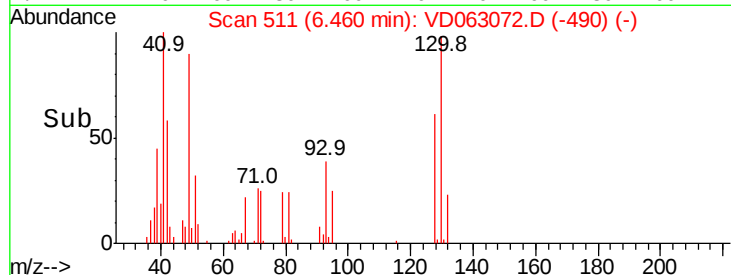
#41
Methacrylonitrile
Concen: 24.731 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

Tot Ion:	41	Resp:	143118
Ion	Ratio	Lower	Upper
41	100		
39	46.3	43.2	64.8
67	21.3	19.9	29.9
52	11.9	10.2	15.4

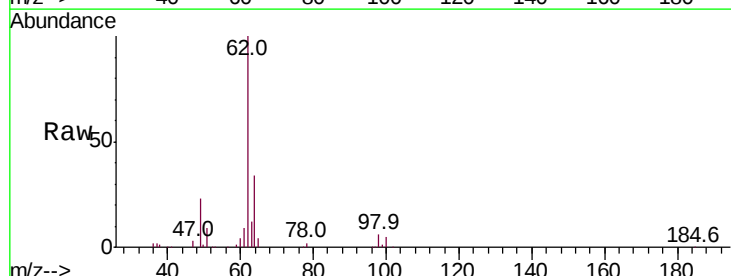


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

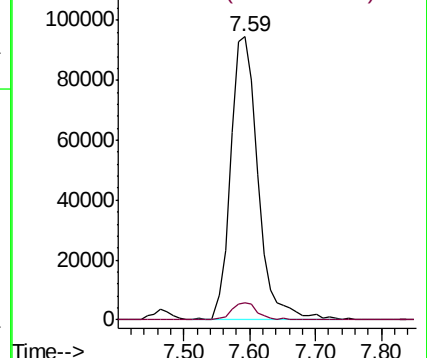
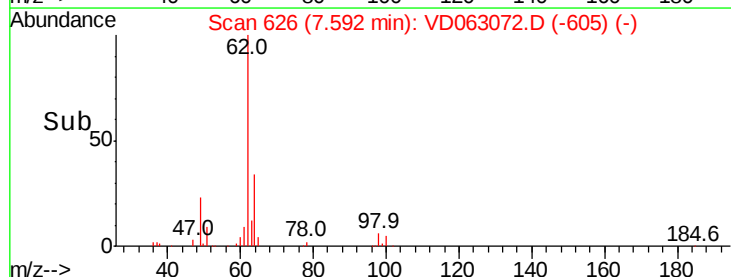


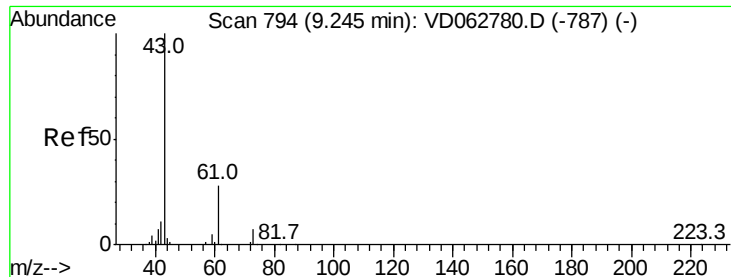
#42
1,2-Dichloroethane
Concen: 22.961 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion:	62	Resp:	275910
Ion	Ratio	Lower	Upper
62	100		
98	5.8	0.0	10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



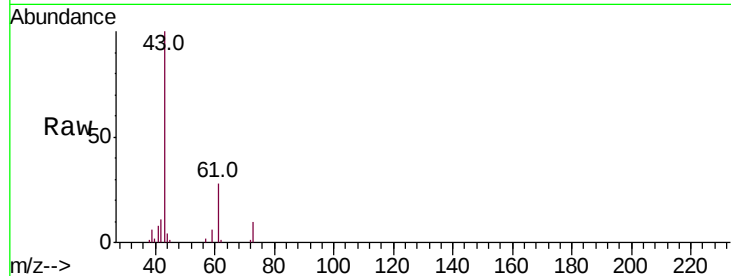


#43

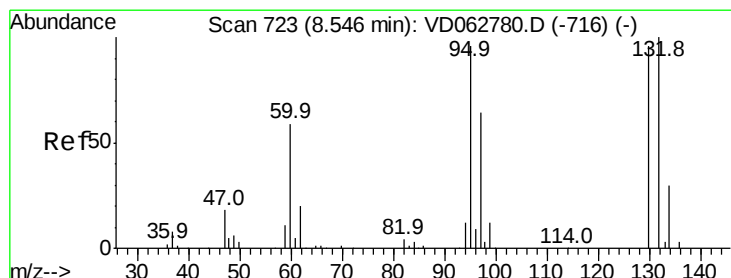
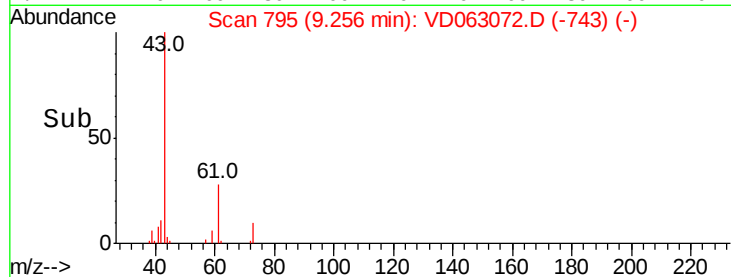
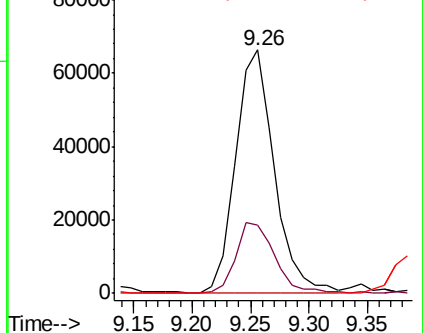
Isopropyl Acetate
 Concen: 26.559 ug/l
 RT: 9.26 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

Tot Ion: 43 Resp: 152798
 Ion Ratio Lower Upper
 43 100
 61 28.0 22.4 33.6
 87 0.0 0.3 0.5#



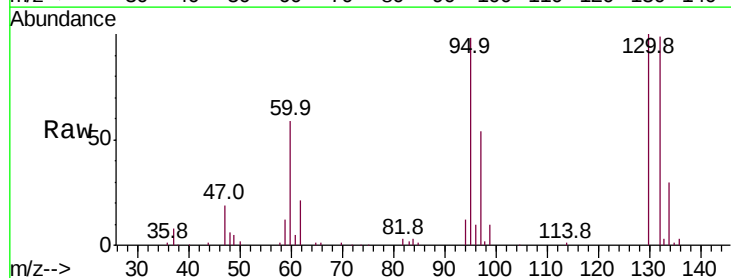
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



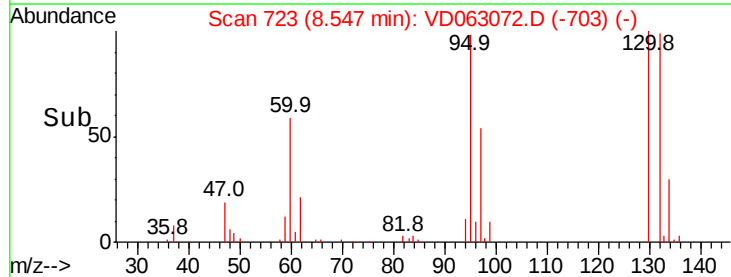
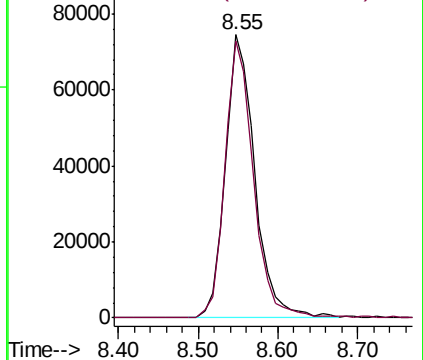
#44

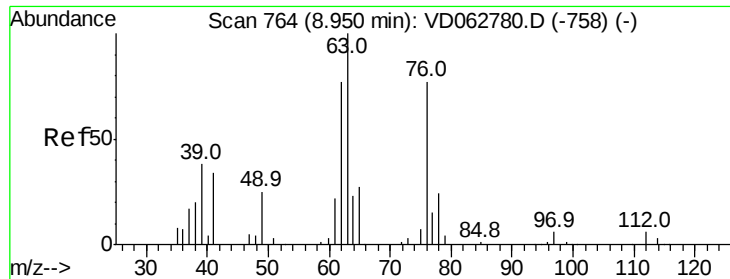
Trichloroethene
 Concen: 22.316 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion:130 Resp: 192714
 Ion Ratio Lower Upper
 130 100
 95 97.9 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 25.324 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

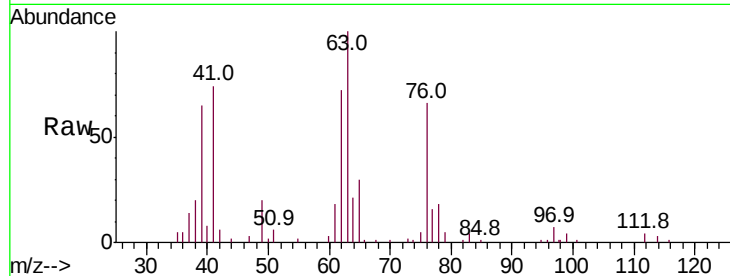
VD0712SBS01

Tot Ion: 63 Resp: 138706

Ion Ratio Lower Upper

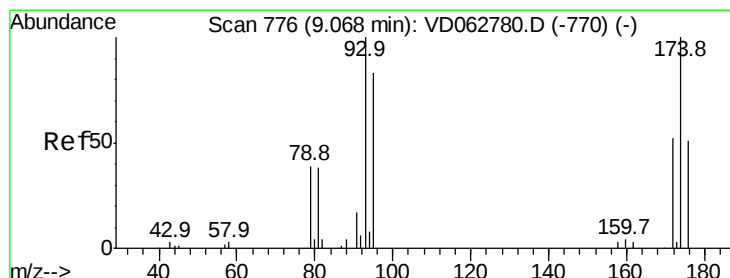
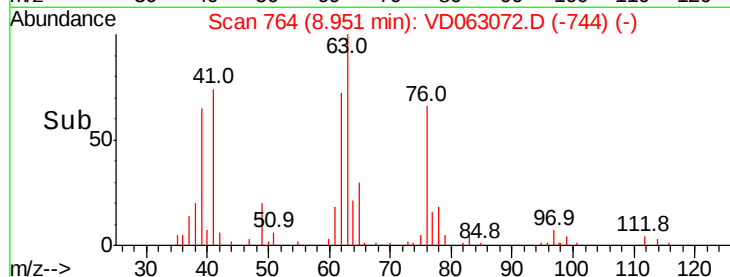
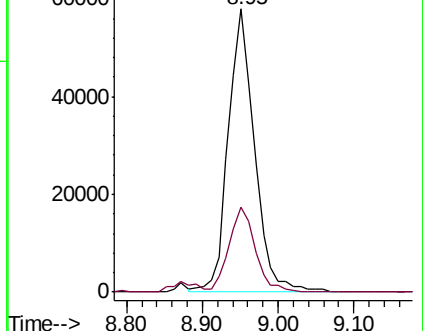
63 100

65 30.0 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 24.243 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

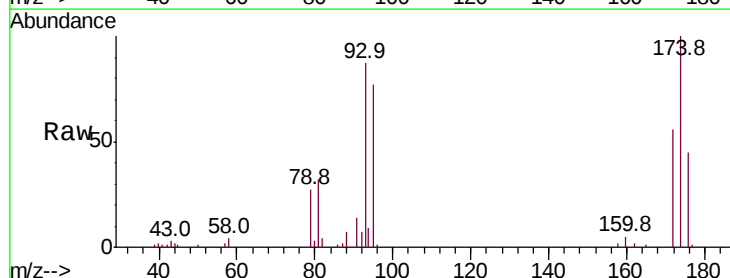
Tgt Ion: 93 Resp: 114066

Ion Ratio Lower Upper

93 100

95 88.1 66.6 100.0

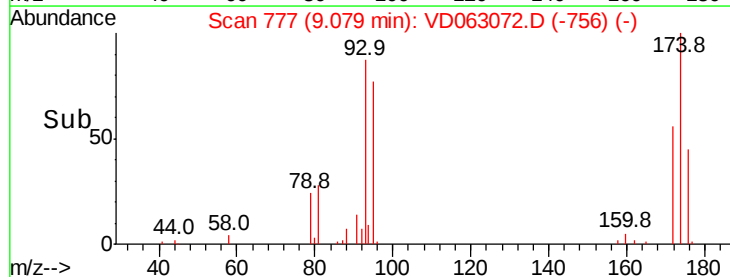
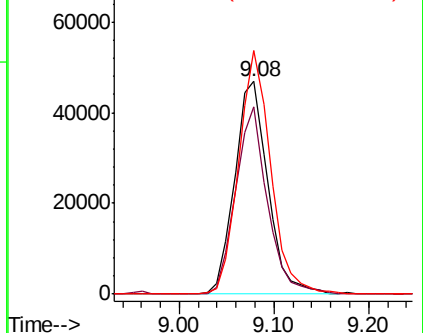
174 114.6 79.7 119.5

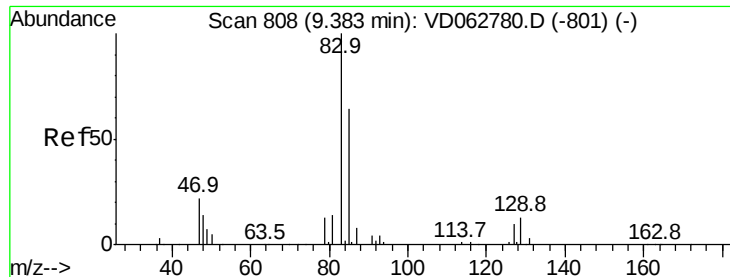


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.142 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

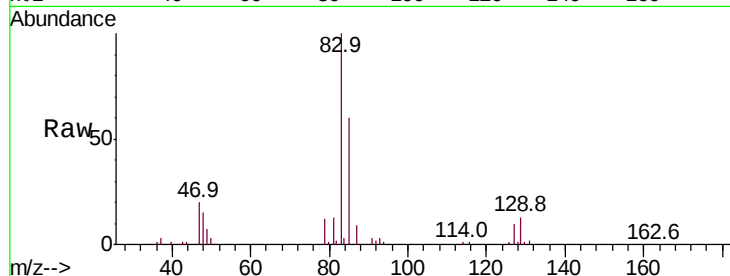
Tot Ion: 83 Resp: 282781

Ion Ratio Lower Upper

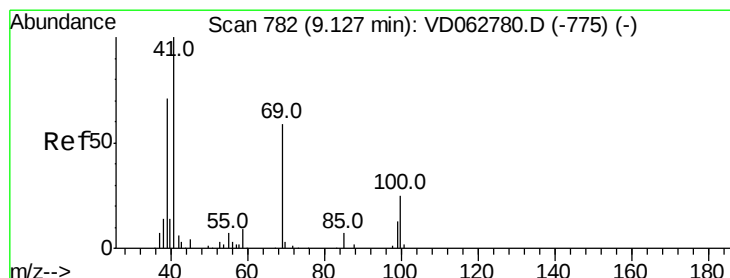
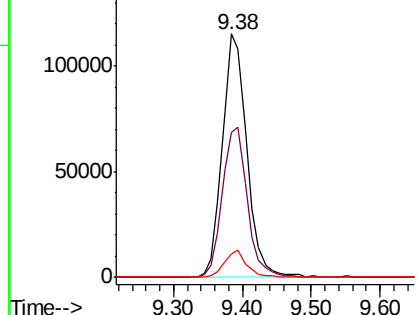
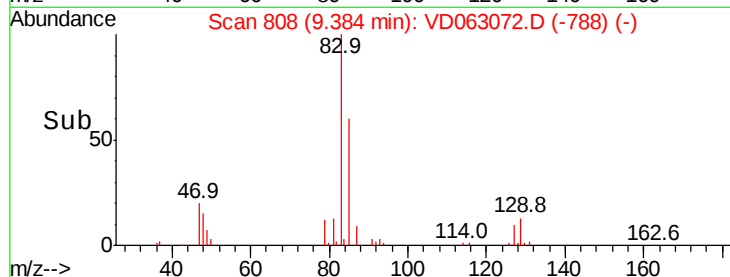
83 100

85 59.5 51.6 77.4

127 9.6 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 25.507 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

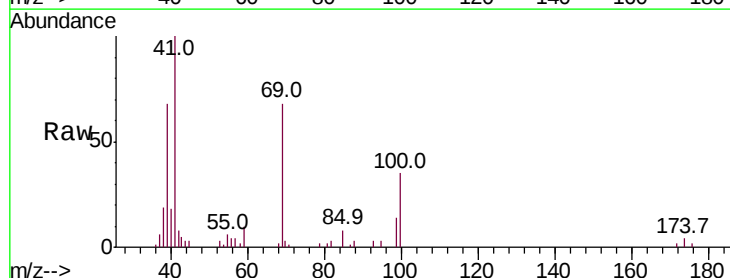
Tgt Ion: 41 Resp: 104281

Ion Ratio Lower Upper

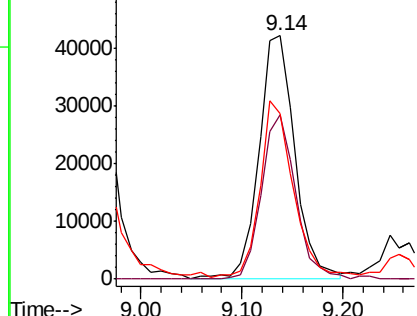
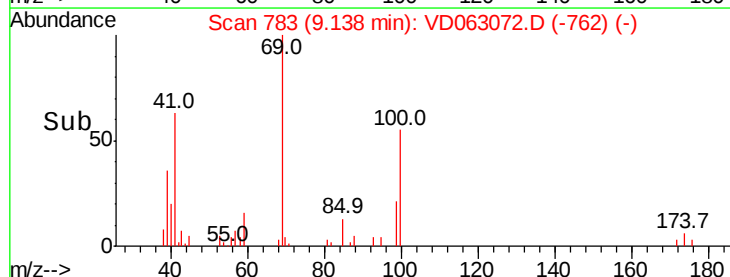
41 100

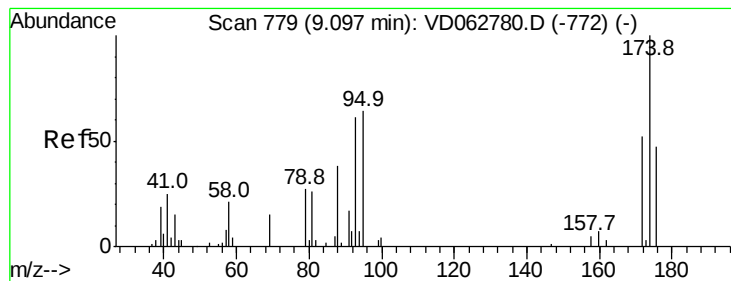
69 67.7 47.2 70.8

39 68.1 57.4 86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 589.060 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

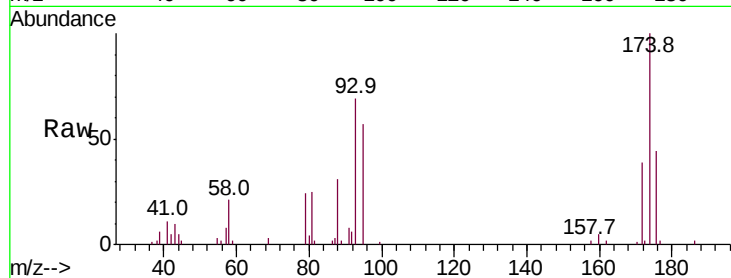
Tot Ion: 88 Resp: 20036

Ion Ratio Lower Upper

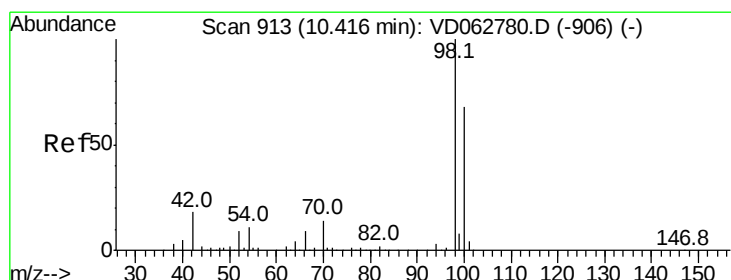
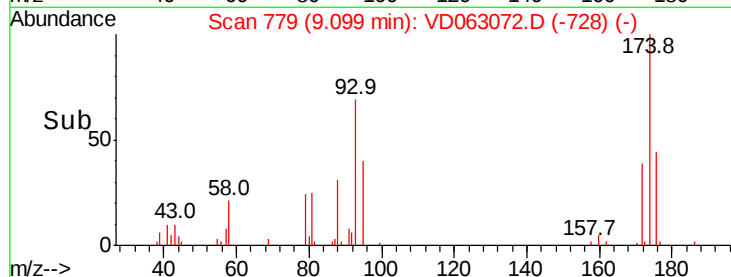
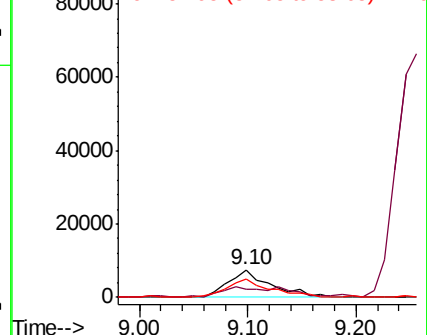
88 100

43 31.2 32.1 48.1#

58 65.8 44.1 66.1



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 54.519 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD063072.D

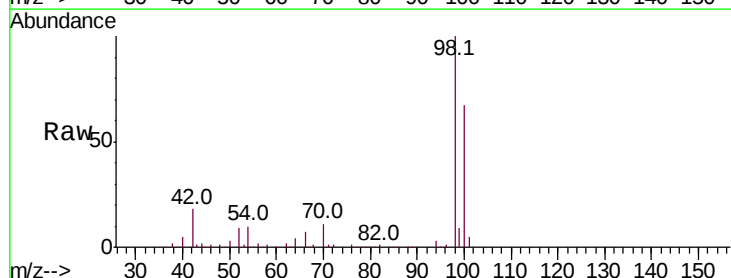
Acq: 12 Jul 2019 15:54

Tgt Ion: 98 Resp: 1159821

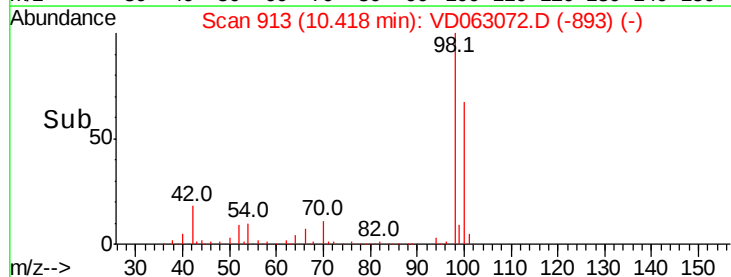
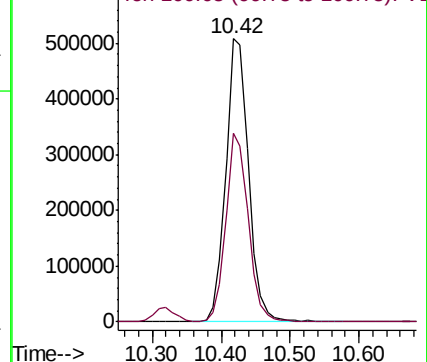
Ion Ratio Lower Upper

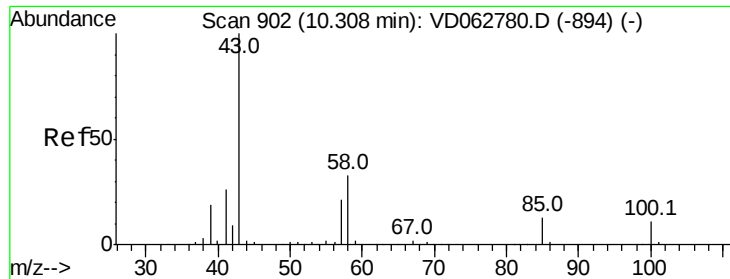
98 100

100 66.8 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 132.932 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

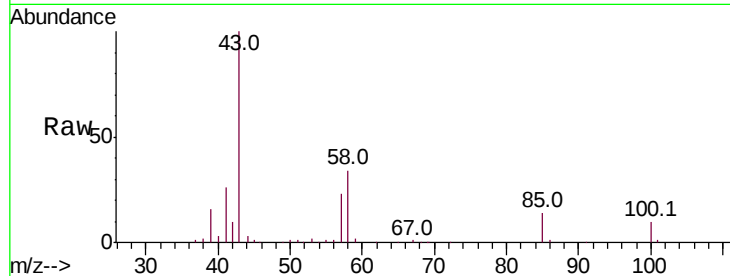
VD0712SBS01

Tot Ion: 43 Resp: 542217

Ion Ratio Lower Upper

43 100

58 34.3 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

250000

200000

150000

100000

50000

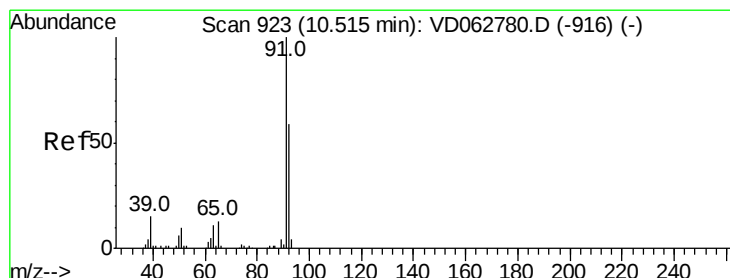
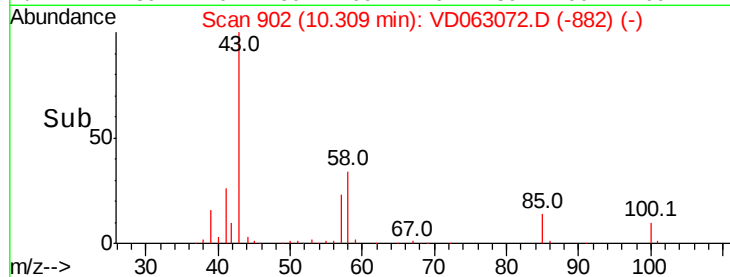
0

10.20

10.30

10.40

Time-->



#52

Toluene

Concen: 22.507 ug/l

RT: 10.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD063072.D

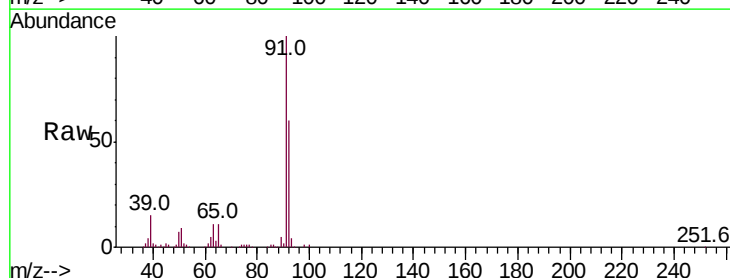
Acq: 12 Jul 2019 15:54

Tgt Ion: 92 Resp: 333257

Ion Ratio Lower Upper

92 100

91 167.2 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

150000

100000

50000

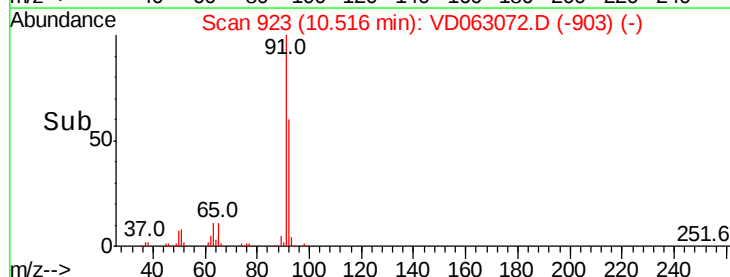
0

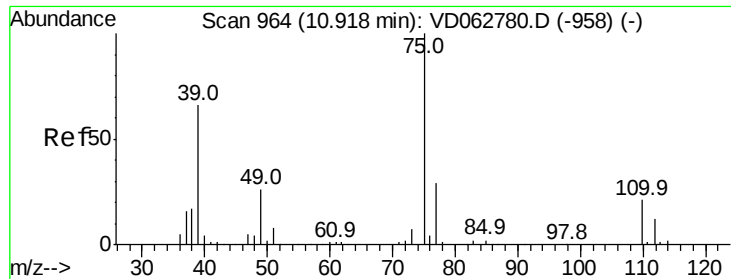
10.40

10.50

10.60

Time-->





#53

t-1,3-Dichloropropene

Concen: 24.203 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

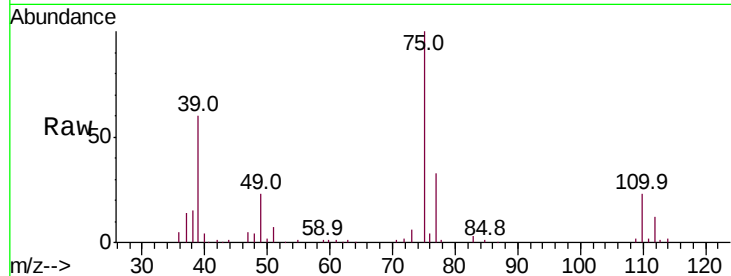
VD0712SBS01

Tot Ion: 75 Resp: 242069

Ion Ratio Lower Upper

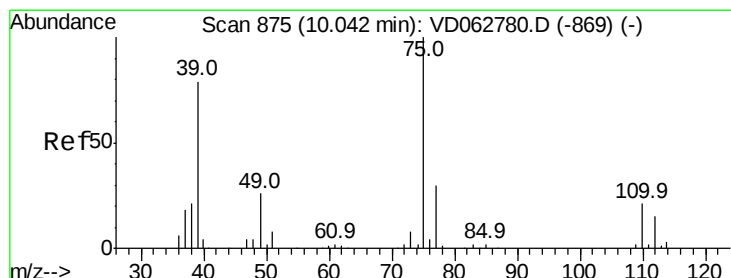
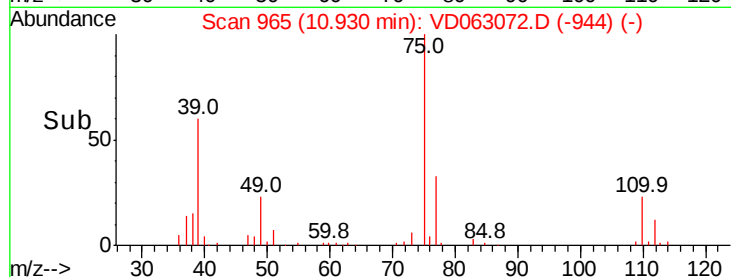
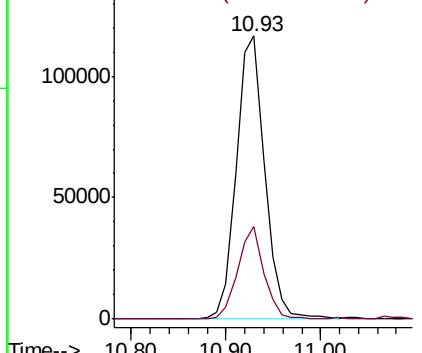
75 100

77 32.7 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.017 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

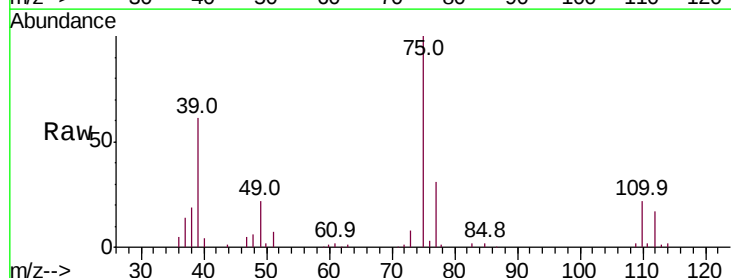
Tgt Ion: 75 Resp: 250215

Ion Ratio Lower Upper

75 100

77 30.6 24.2 36.2

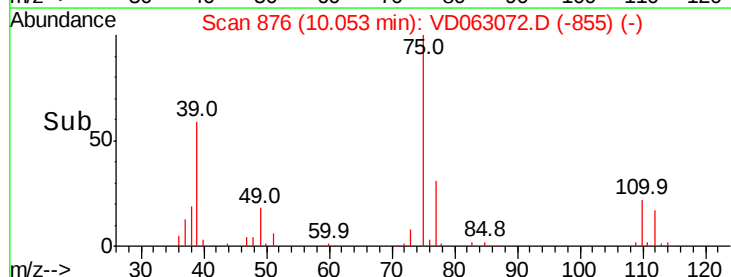
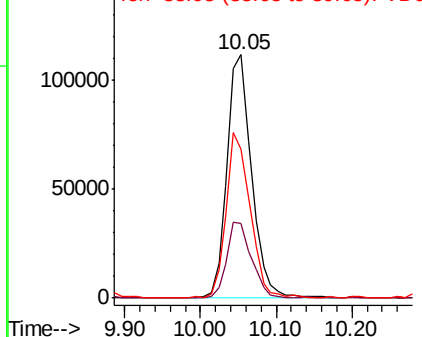
39 61.3 63.5 95.3#

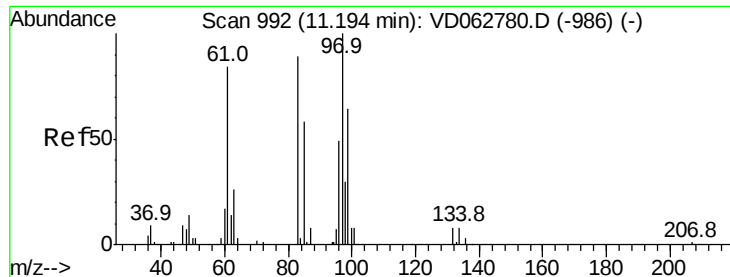


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

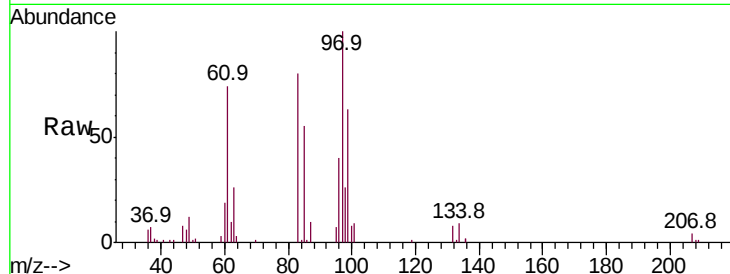




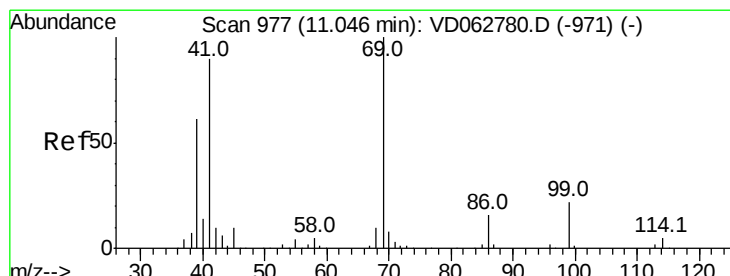
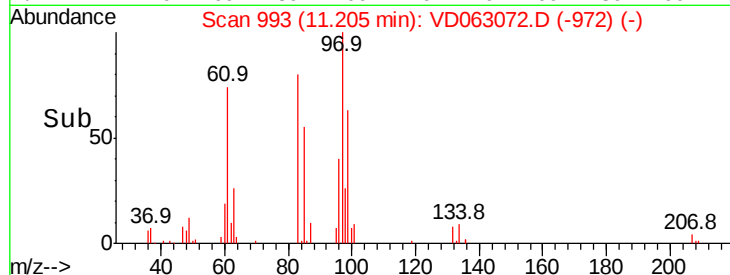
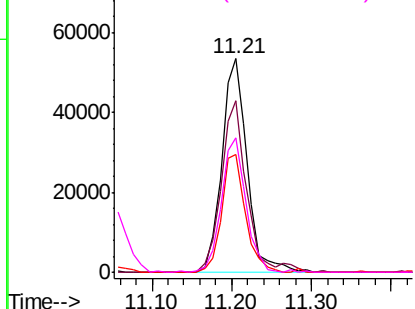
#55
 1,1,2-Trichloroethane
 Concen: 23.494 ug/l
 RT: 11.21 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

Tot Ion: 97 Resp: 119518
 Ion Ratio Lower Upper
 97 100
 83 80.1 71.0 106.4
 85 55.2 46.6 69.8
 99 62.7 51.4 77.0

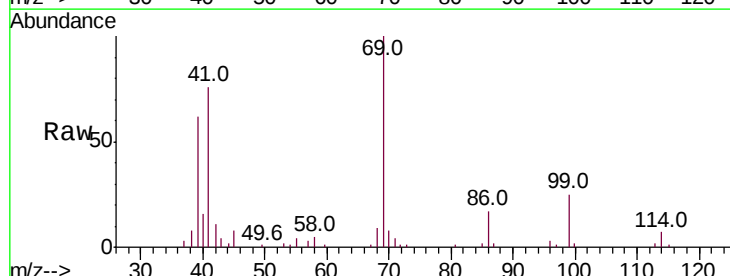


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

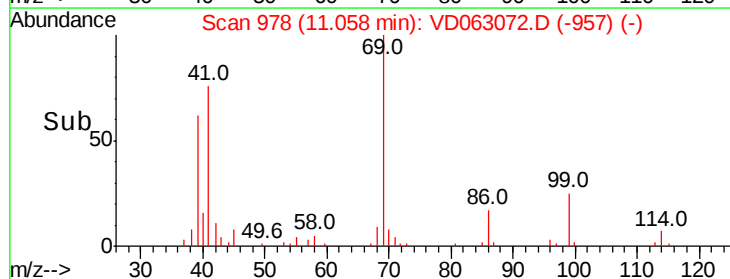
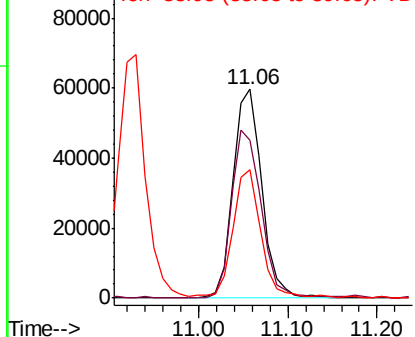


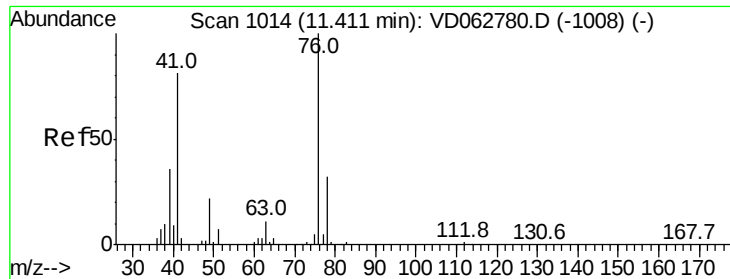
#56
 Ethyl methacrylate
 Concen: 24.766 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 69 Resp: 134643
 Ion Ratio Lower Upper
 69 100
 41 75.5 72.0 108.0
 39 61.6 49.5 74.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 24.939 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

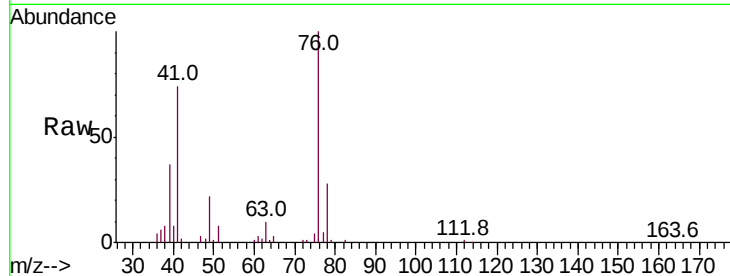
VD0712SBS01

Tot Ion: 76 Resp: 194251

Ion Ratio Lower Upper

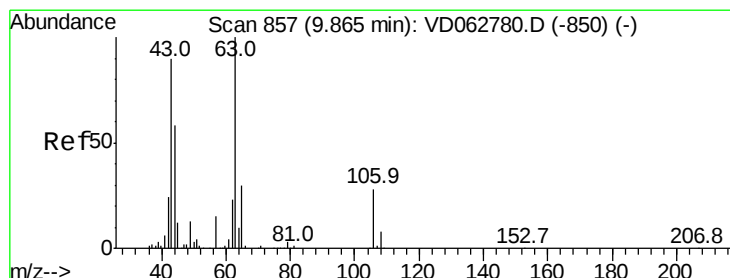
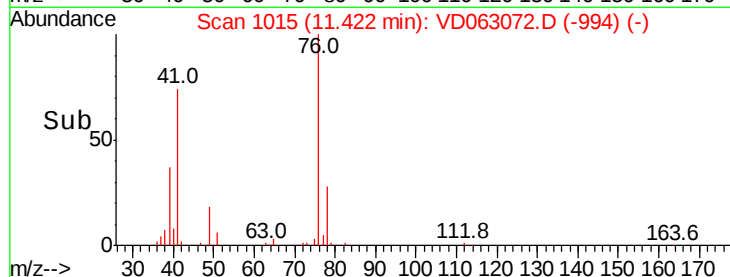
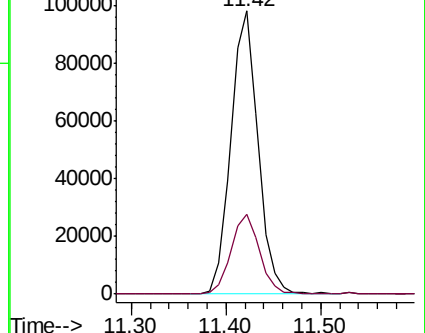
76 100

78 28.4 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 129.601 ug/l

RT: 9.87 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD063072.D

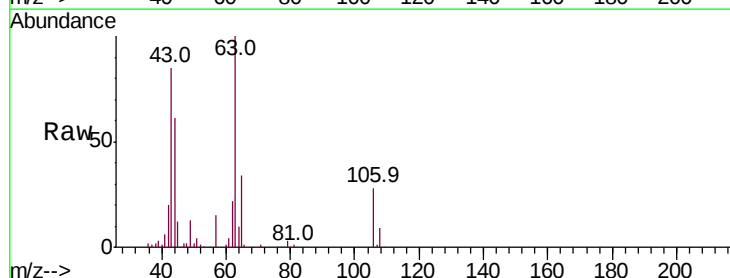
Acq: 12 Jul 2019 15:54

Tgt Ion: 63 Resp: 361719

Ion Ratio Lower Upper

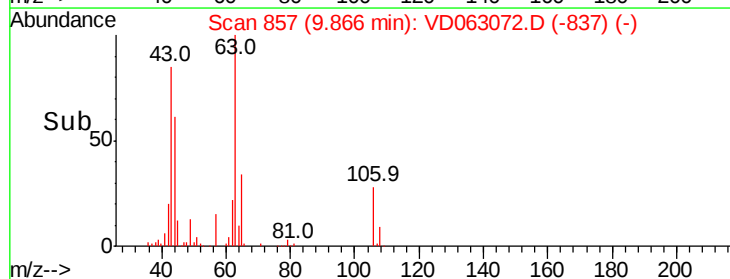
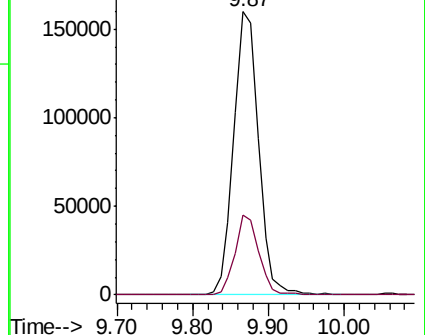
63 100

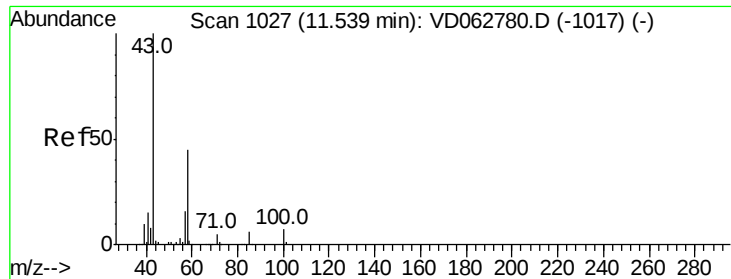
106 28.1 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

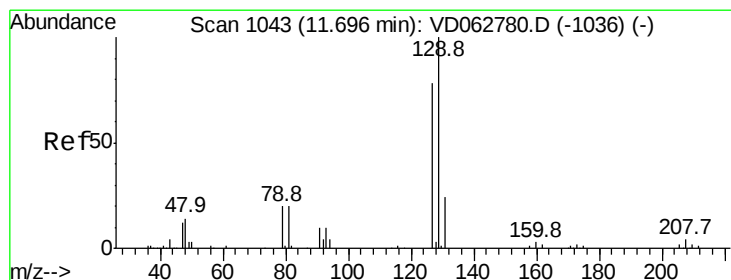
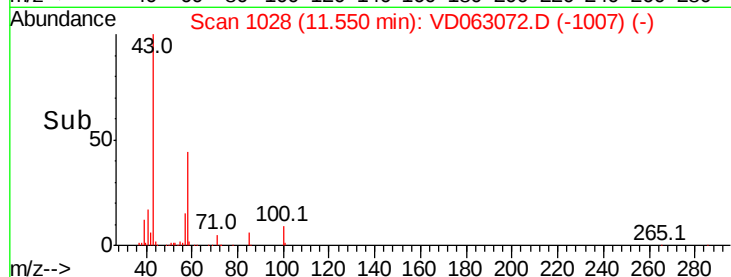
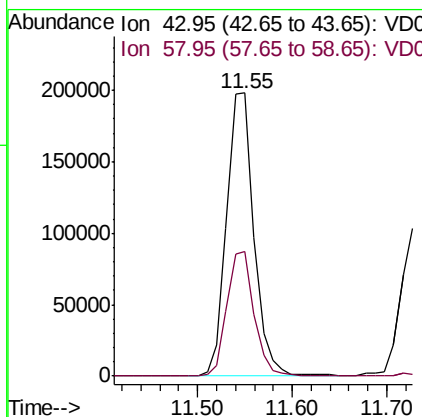
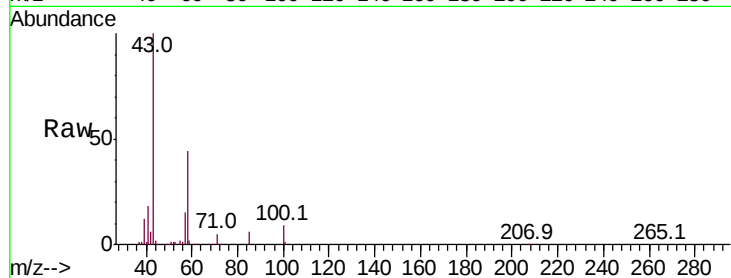




#59
2-Hexanone
Concen: 137.598 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

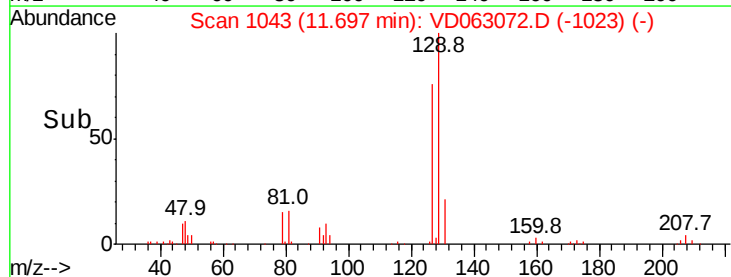
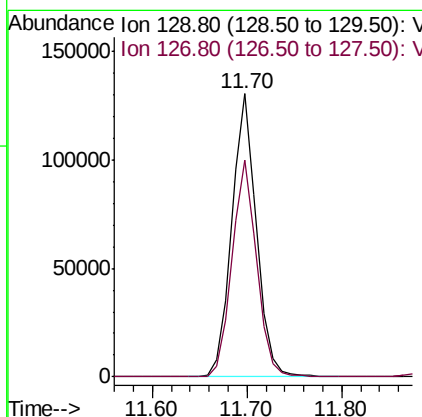
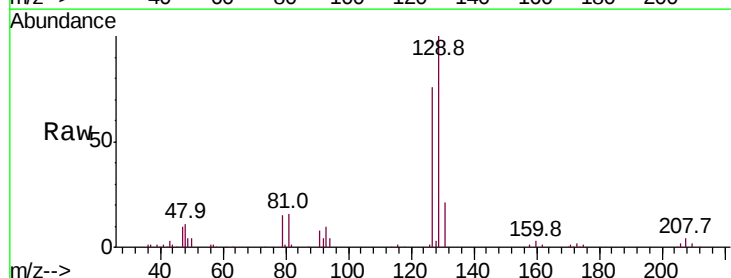
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

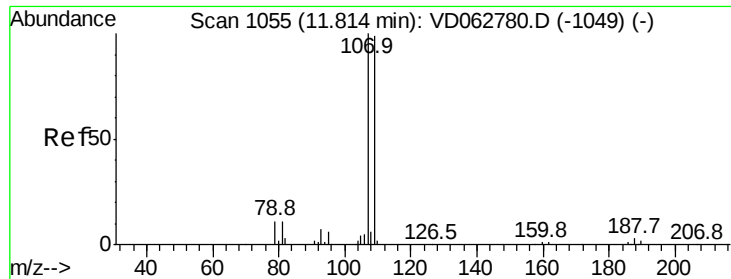
Tot Ion: 43 Resp: 399716
Ion Ratio Lower Upper
43 100
58 44.2 22.4 67.2



#60
Dibromochloromethane
Concen: 24.762 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 129 Resp: 234632
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.6

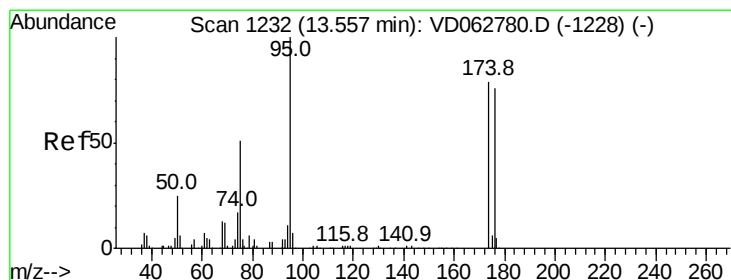
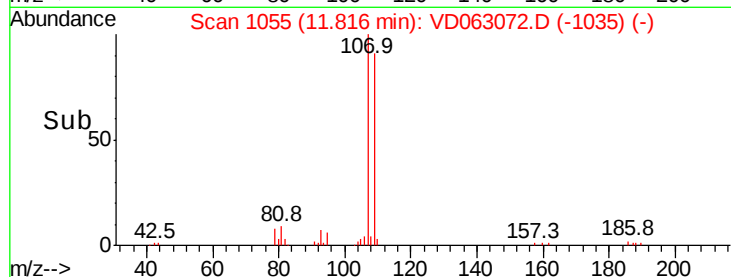
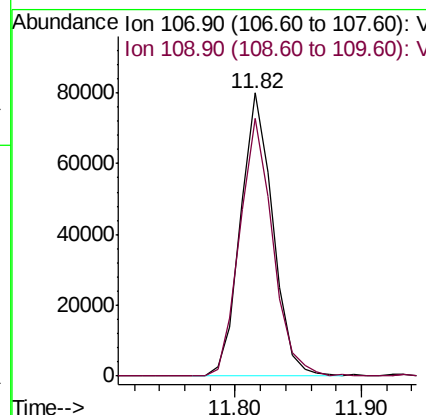
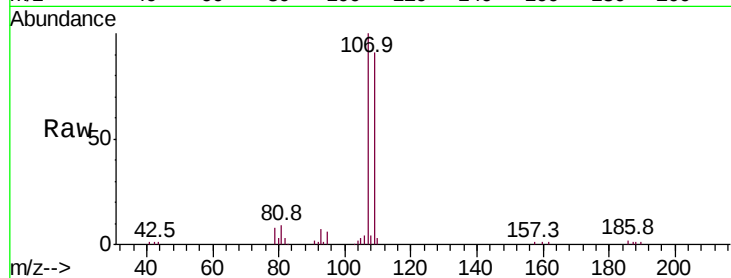




#61
 1,2-Dibromoethane
 Concen: 23.412 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

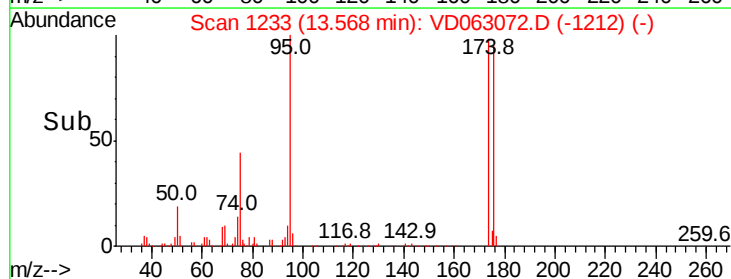
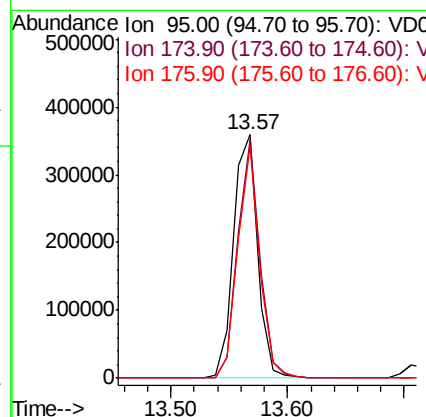
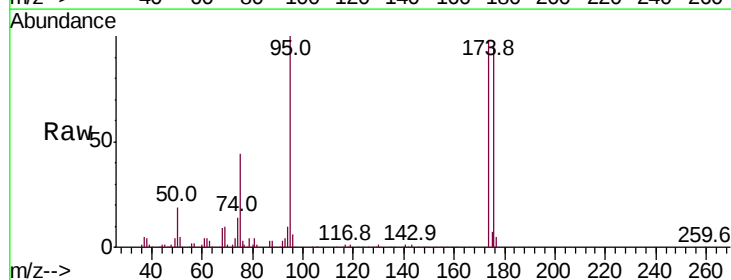
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

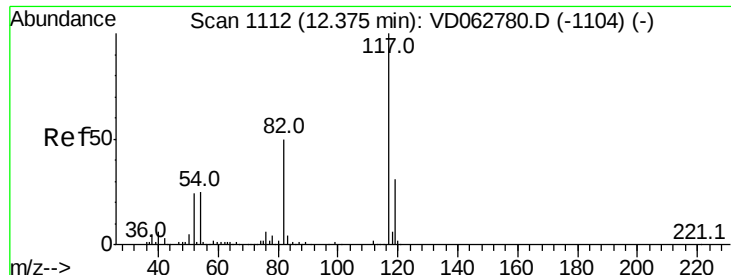
Tot Ion:107 Resp: 140664
 Ion Ratio Lower Upper
 107 100
 109 91.1 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 53.279 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 95 Resp: 515383
 Ion Ratio Lower Upper
 95 100
 174 97.9 0.0 158.0
 176 95.4 0.0 151.6

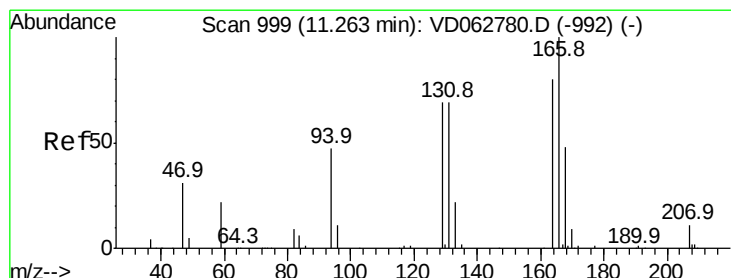
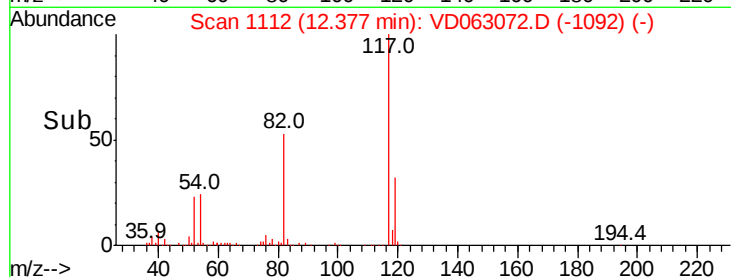
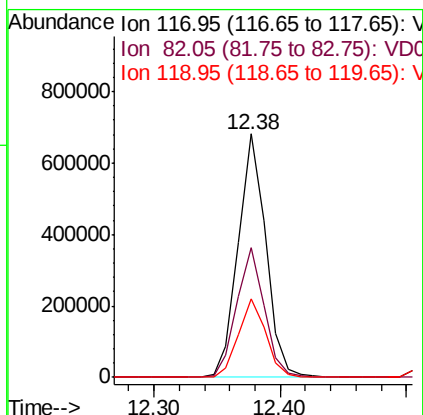
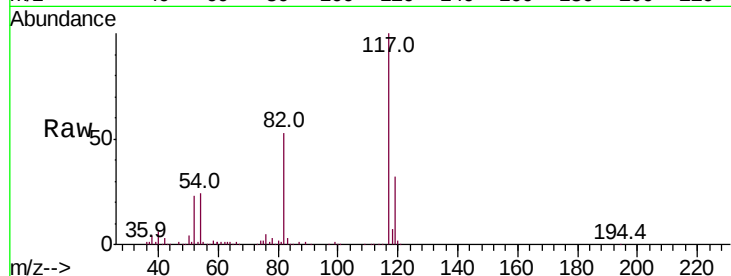




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

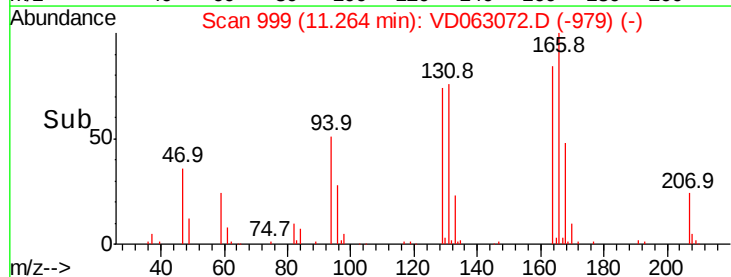
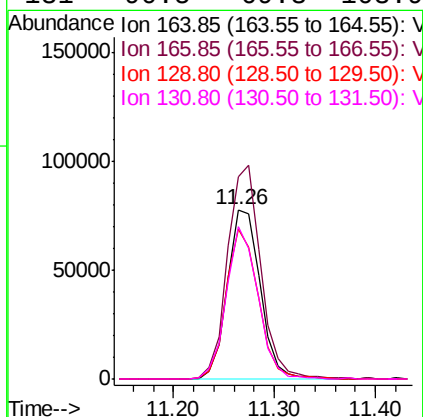
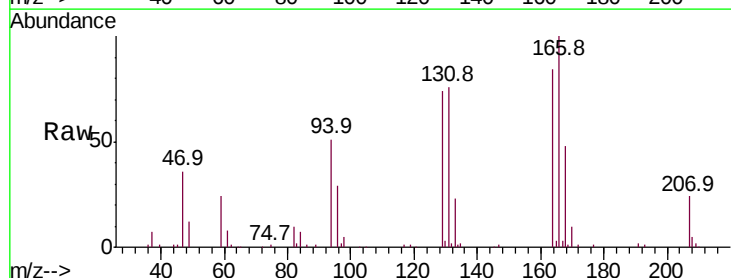
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

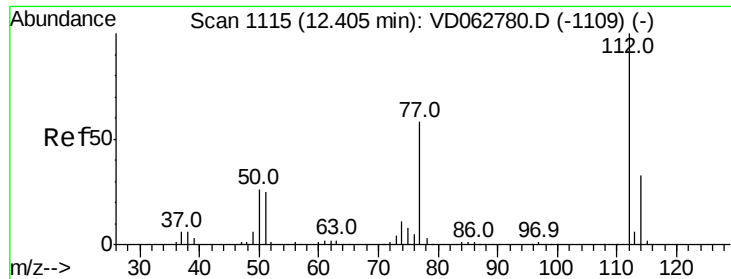
Tot Ion:117 Resp: 1038490
Ion Ratio Lower Upper
117 100
82 53.0 40.4 60.6
119 32.1 25.2 37.8



#64
Tetrachloroethene
Concen: 20.546 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion:164 Resp: 175609
Ion Ratio Lower Upper
164 100
166 119.4 100.6 150.8
129 88.8 69.4 104.0
131 90.5 69.3 103.9

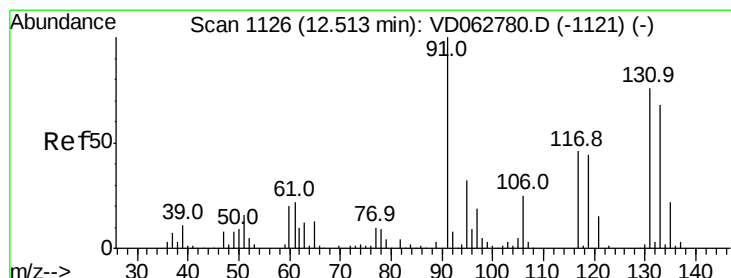
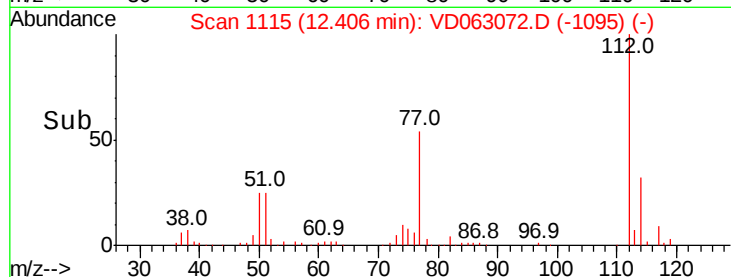
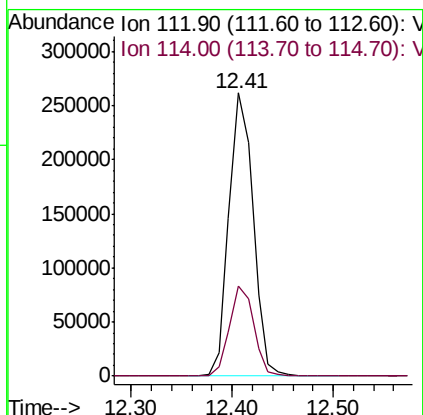
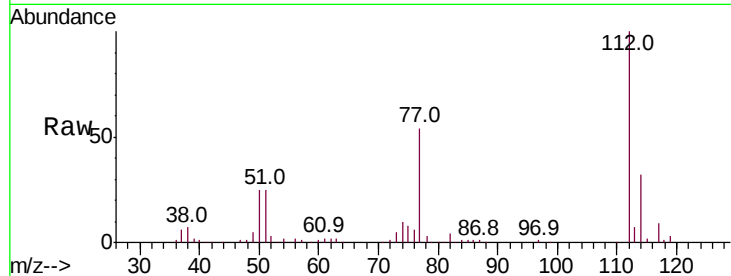




#65
Chlorobenzene
Concen: 22.680 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

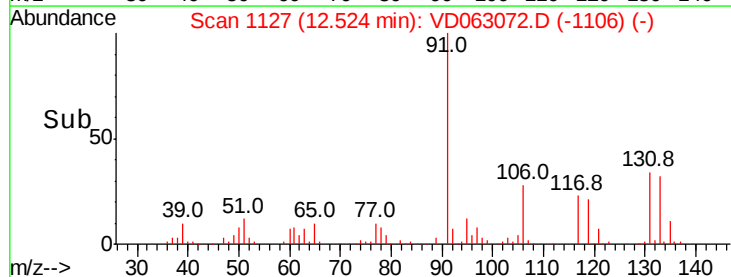
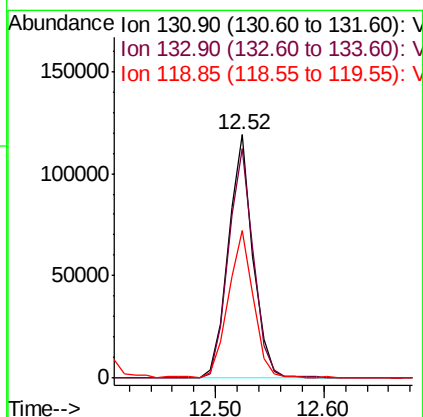
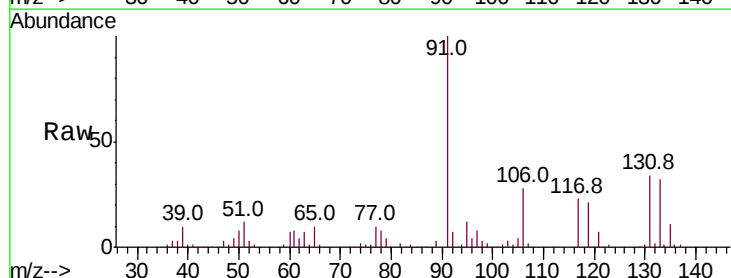
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

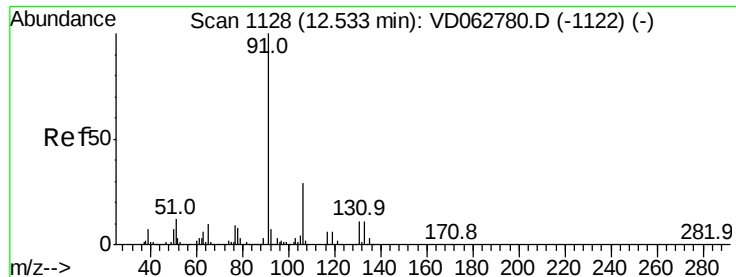
Tot Ion:112 Resp: 437115
Ion Ratio Lower Upper
112 100
114 31.9 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.756 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion:131 Resp: 187079
Ion Ratio Lower Upper
131 100
133 94.5 44.5 133.3
119 60.7 28.6 85.9





#67

Ethyl Benzene

Concen: 20.679 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

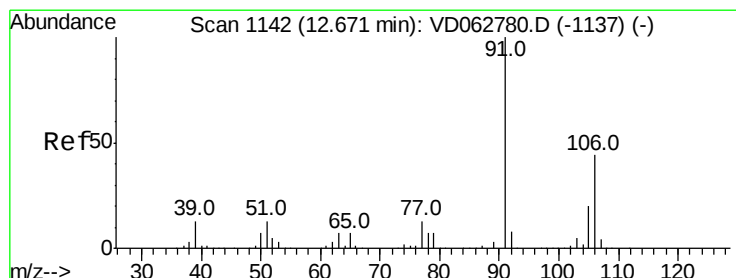
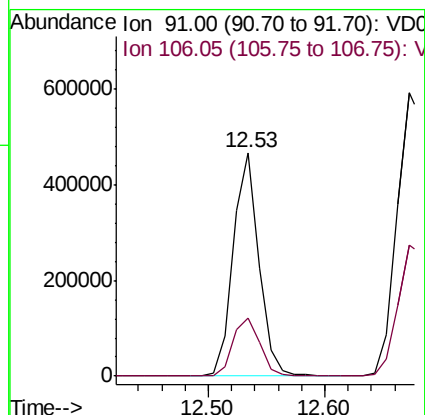
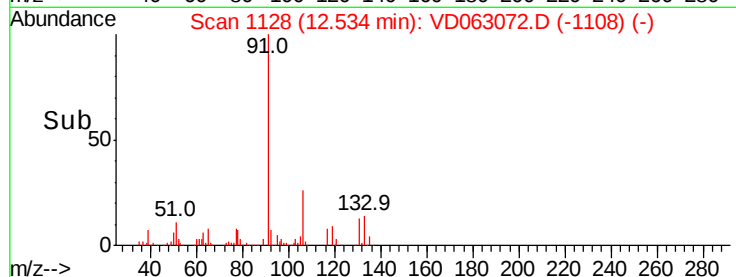
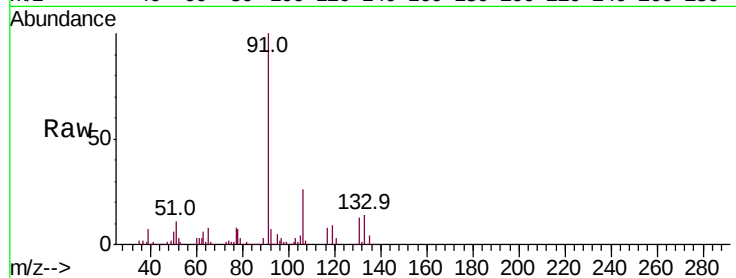
VD0712SBS01

Tot Ion: 91 Resp: 715539

Ion Ratio Lower Upper

91 100

106 25.9 23.1 34.7



#68

m/p-Xylenes

Concen: 44.131 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VD063072.D

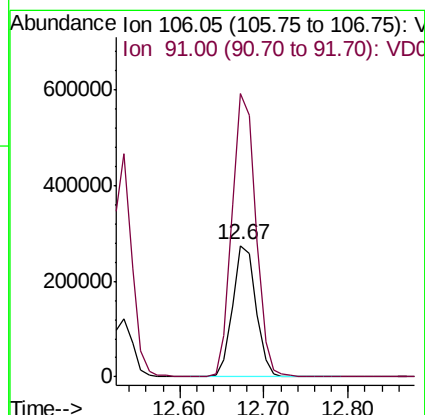
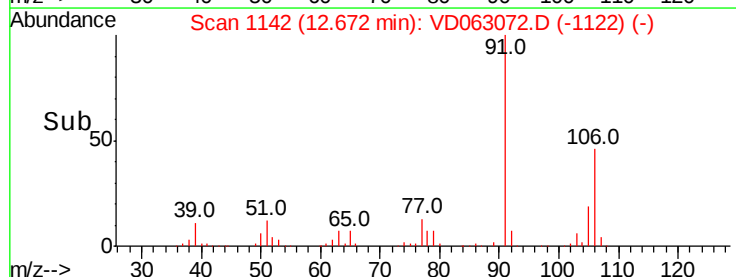
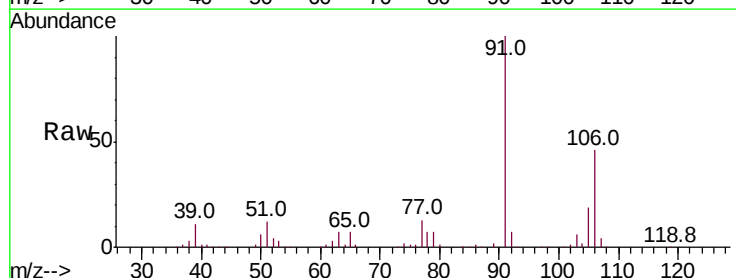
Acq: 12 Jul 2019 15:54

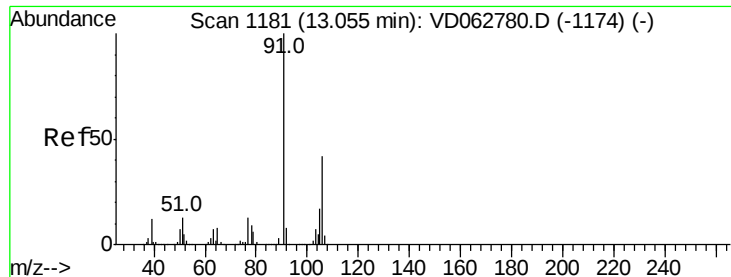
Tgt Ion: 106 Resp: 531861

Ion Ratio Lower Upper

106 100

91 215.1 183.0 274.6

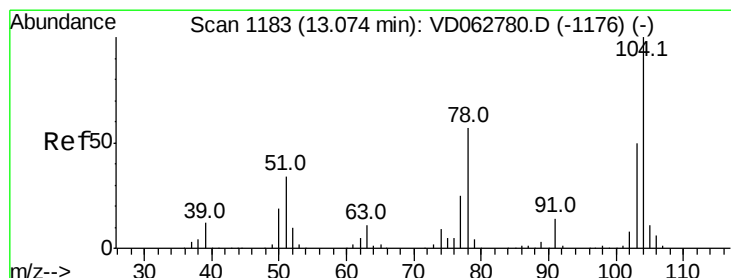
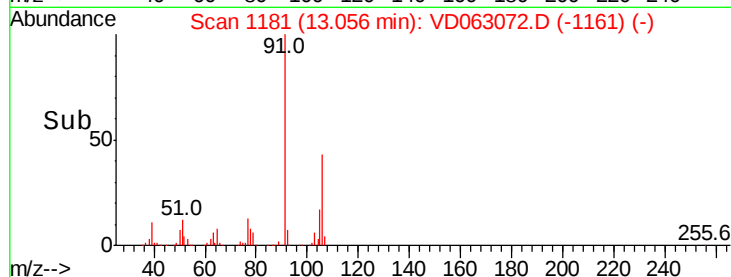
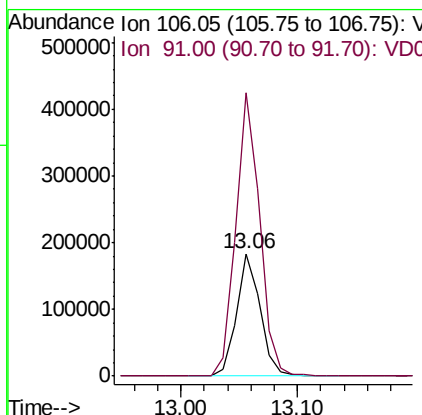
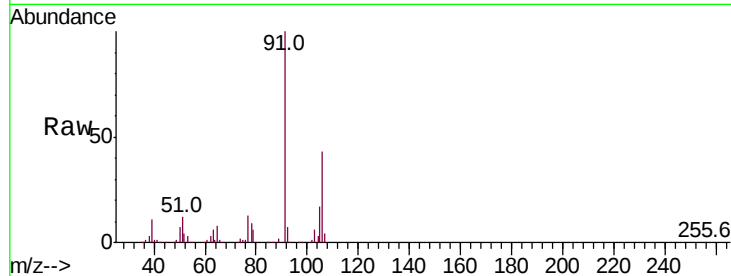




#69
o-Xylene
Concen: 23.407 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

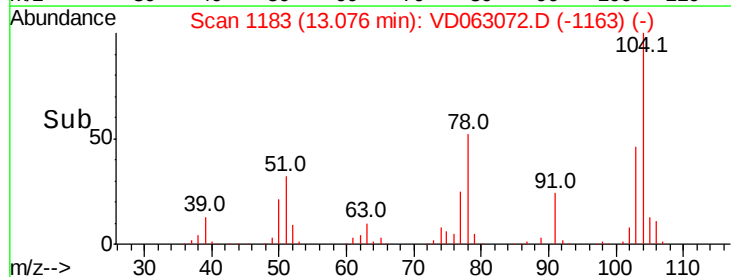
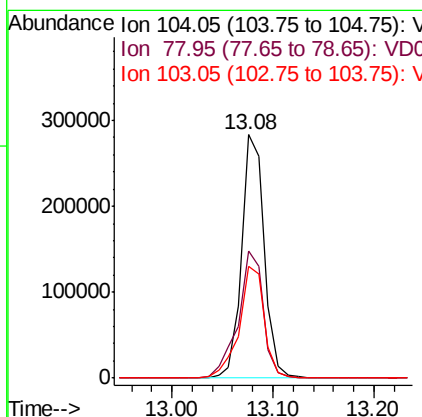
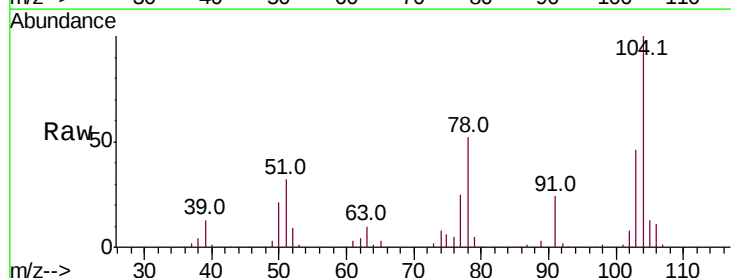
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

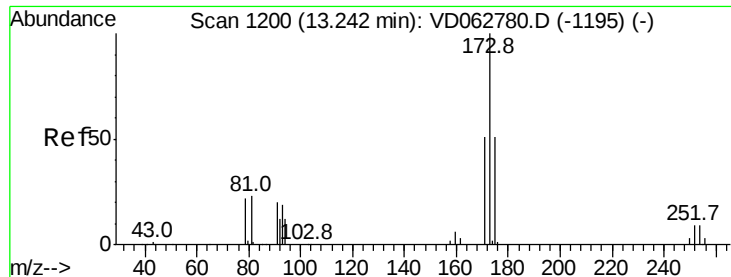
Tot Ion:106 Resp: 257879
Ion Ratio Lower Upper
106 100
91 230.7 117.9 353.6



#70
Styrene
Concen: 22.759 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion:104 Resp: 440424
Ion Ratio Lower Upper
104 100
78 52.3 45.4 68.2
103 46.0 39.7 59.5





#71

Bromoform

Concen: 22.711 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

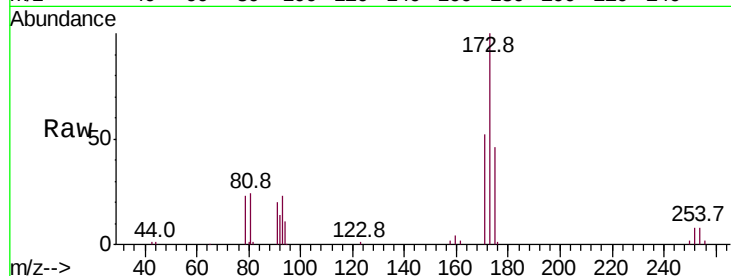
Tot Ion:173 Resp: 140252

Ion Ratio Lower Upper

173 100

175 46.4 25.3 75.9

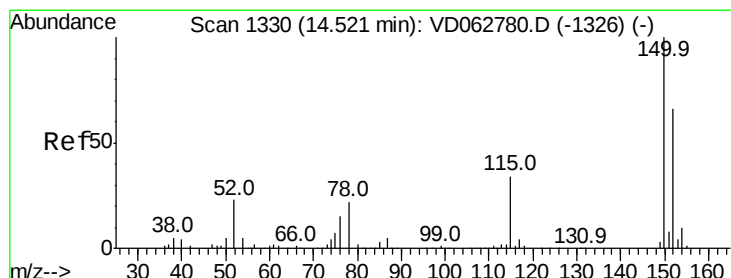
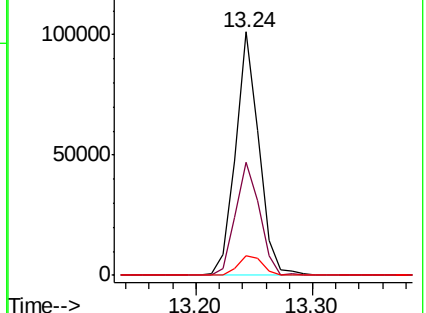
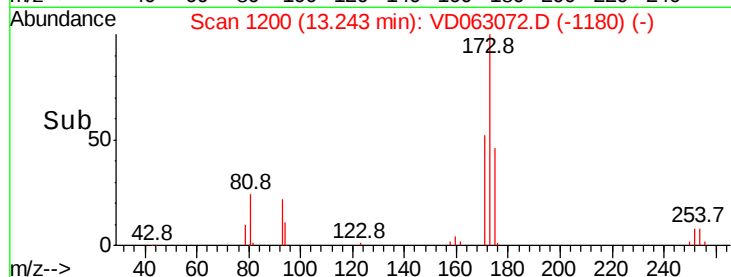
254 7.9 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

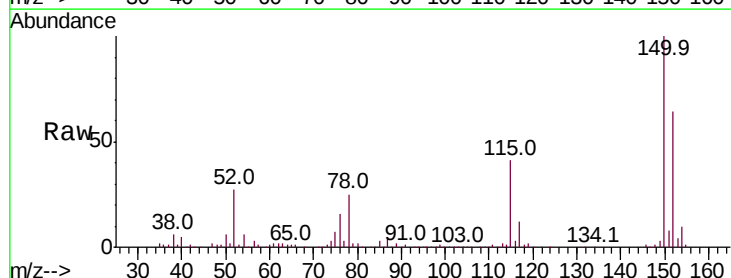
Tgt Ion:152 Resp: 559434

Ion Ratio Lower Upper

152 100

115 64.1 29.2 87.6

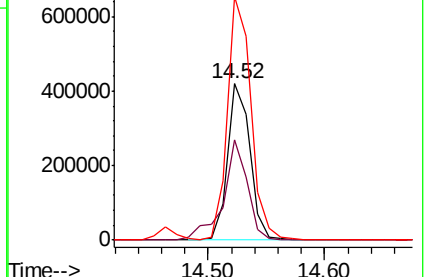
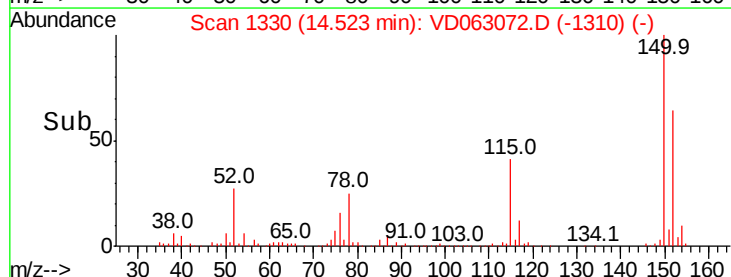
150 155.8 0.0 305.8

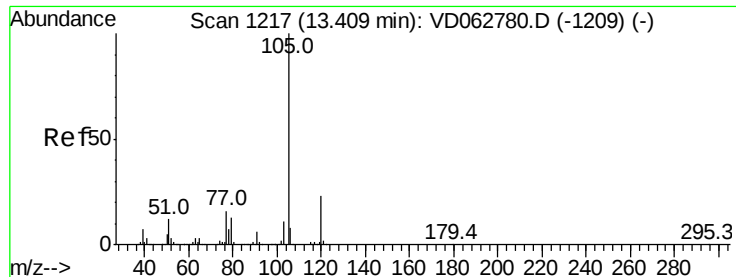


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.527 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

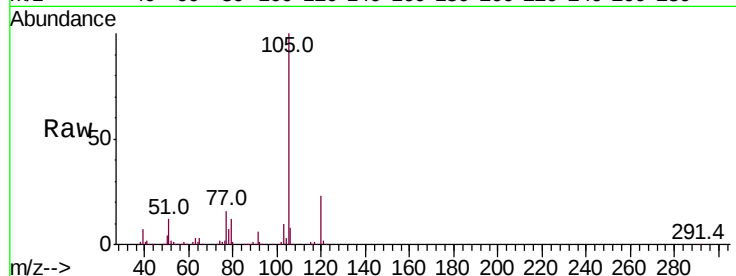
VD0712SBS01

Tot Ion:105 Resp: 772179

Ion Ratio Lower Upper

105 100

120 23.3 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

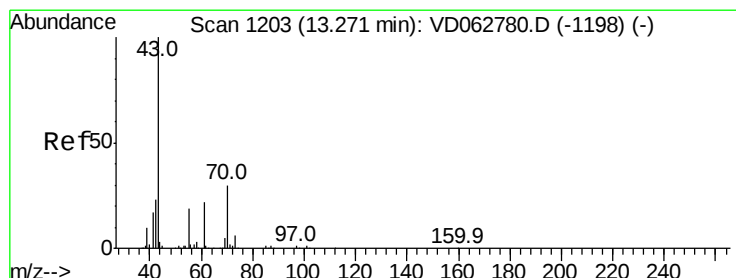
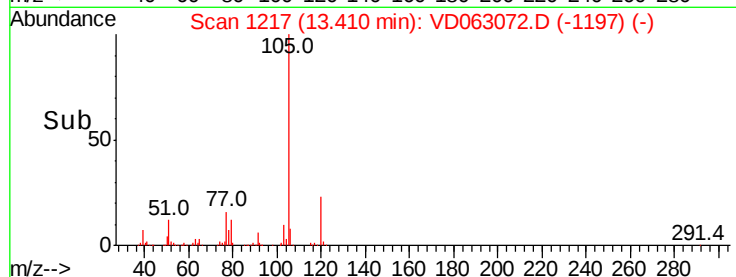
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 23.707 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Tgt Ion: 43 Resp: 206513

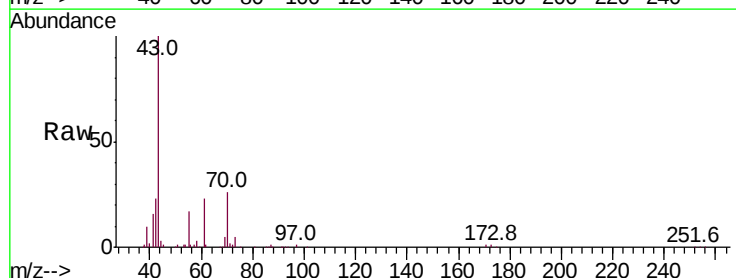
Ion Ratio Lower Upper

43 100

70 25.7 24.4 36.6

55 17.5 15.2 22.8

61 23.3 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

13.27

250000

200000

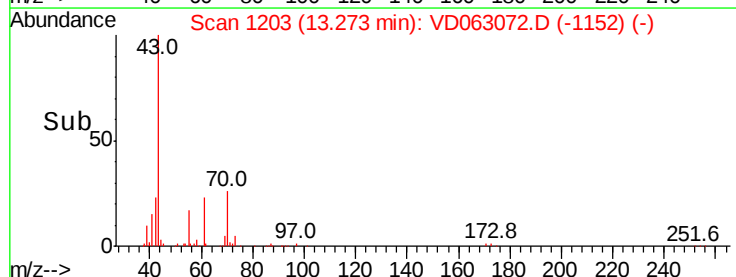
150000

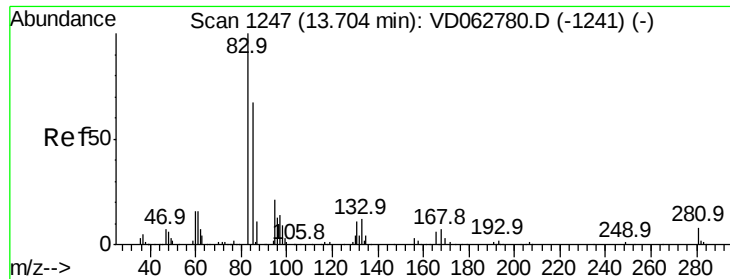
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 23.045 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

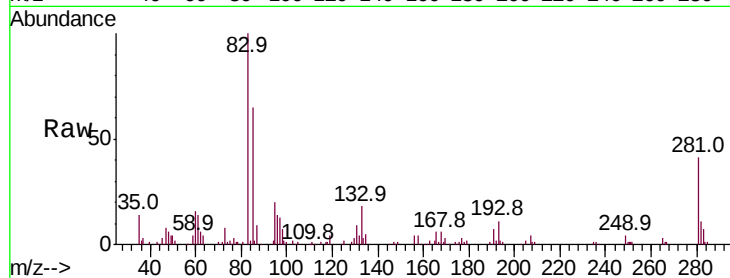
Tot Ion: 83 Resp: 134685

Ion Ratio Lower Upper

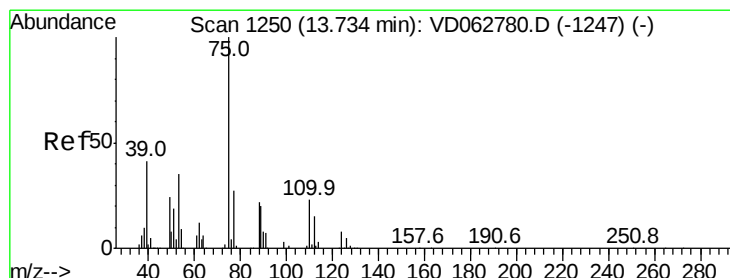
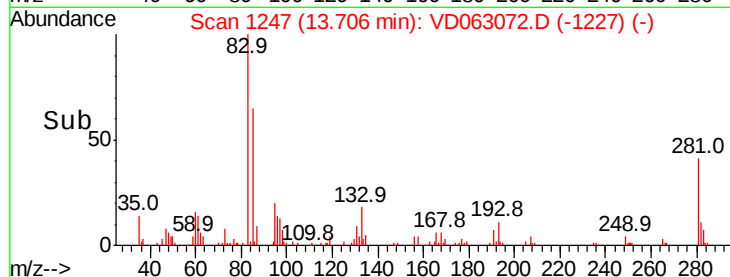
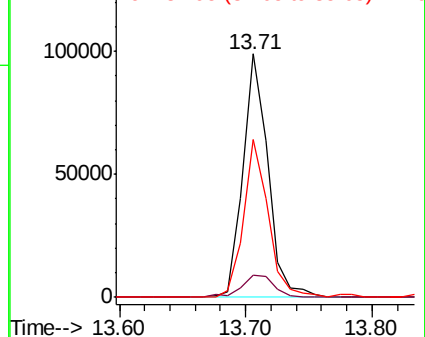
83 100

131 9.4 5.3 16.1

85 64.8 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 23.698 ug/l

RT: 13.75 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063072.D

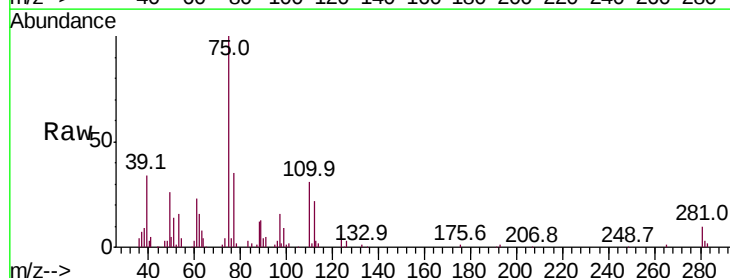
Acq: 12 Jul 2019 15:54

Tgt Ion: 75 Resp: 153047

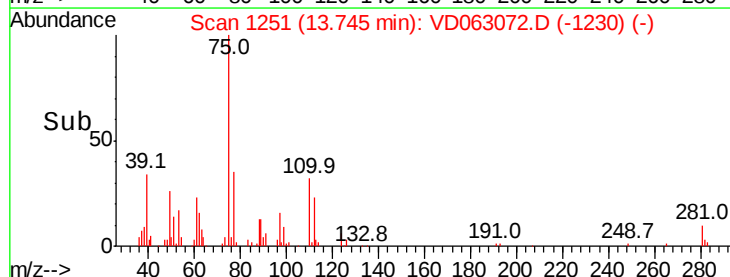
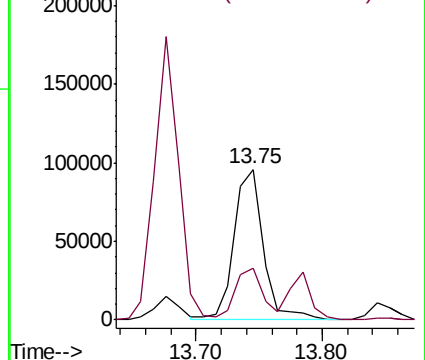
Ion Ratio Lower Upper

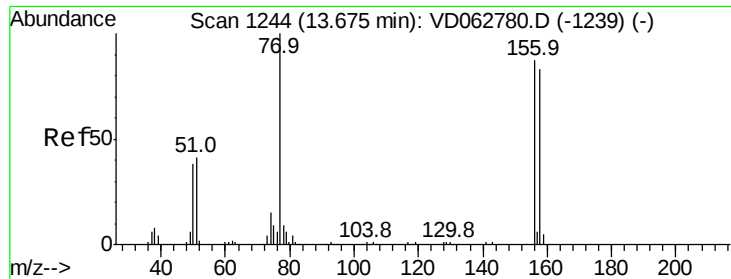
75 100

77 34.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.001 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

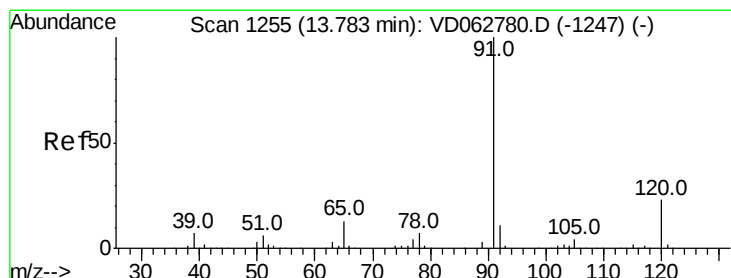
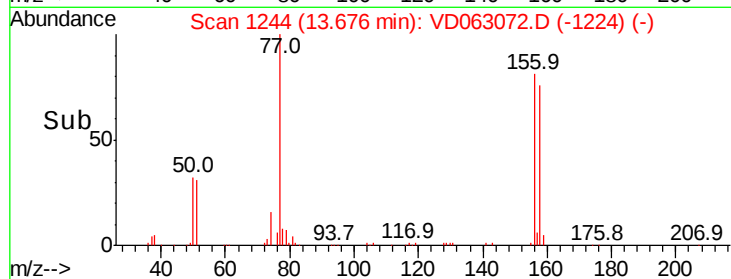
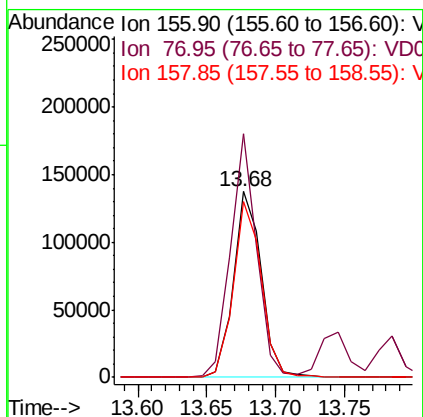
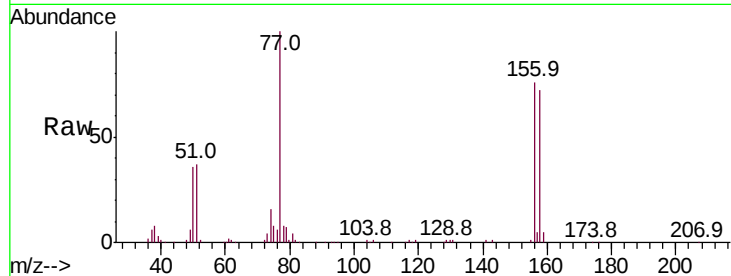
Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

Tot Ion:156 Resp: 192969

Ion	Ratio	Lower	Upper
156	100		
77	131.1	57.7	173.1
158	94.3	47.7	143.1



#78

n-propylbenzene

Concen: 21.360 ug/l

RT: 13.78 min Scan# 1255

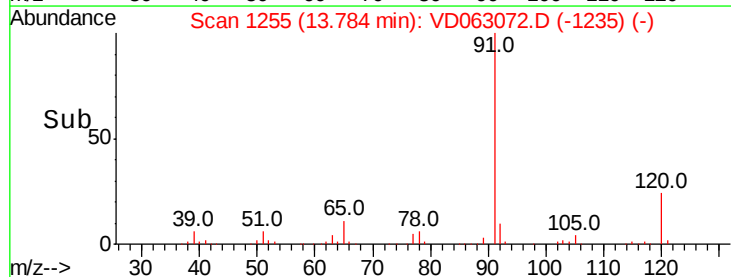
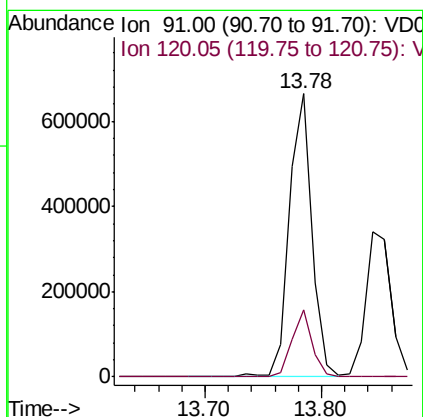
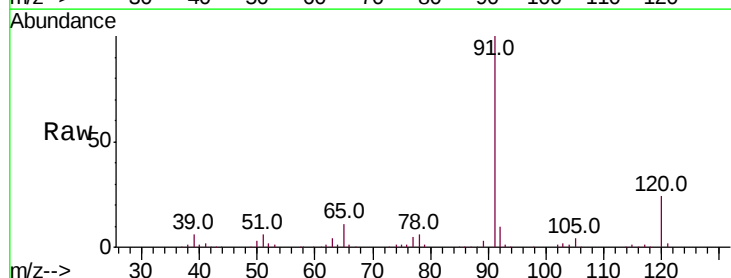
Delta R.T. 0.00 min

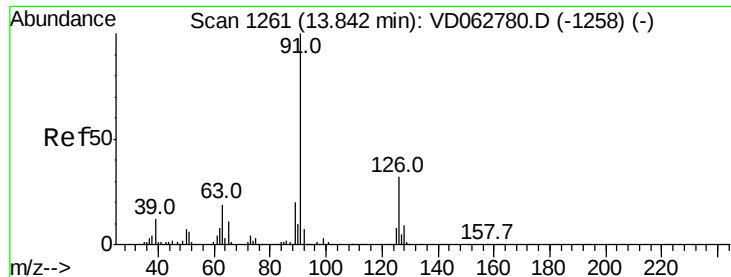
Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Tgt Ion: 91 Resp: 891771

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.3	33.8





#79

2-Chlorotoluene

Concen: 21.233 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

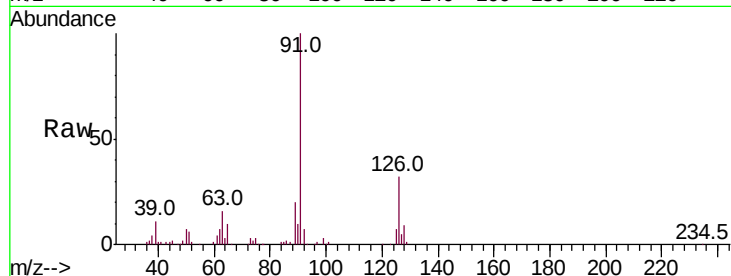
VD0712SBS01

Tot Ion: 91 Resp: 506601

Ion Ratio Lower Upper

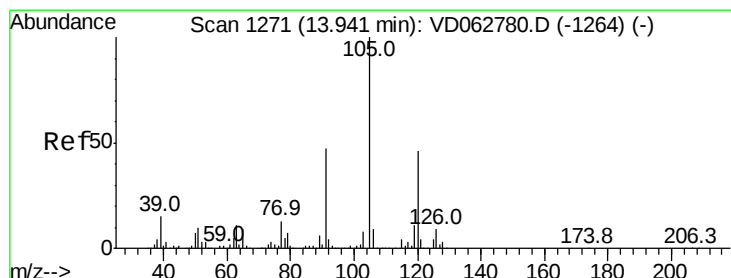
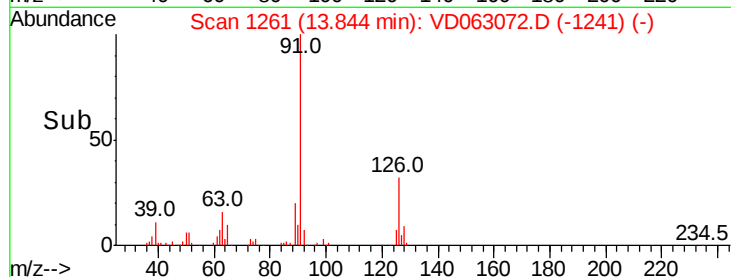
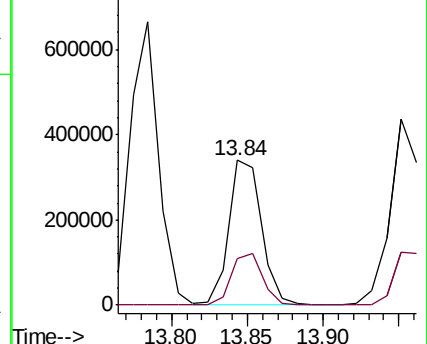
91 100

126 32.0 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.135 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD063072.D

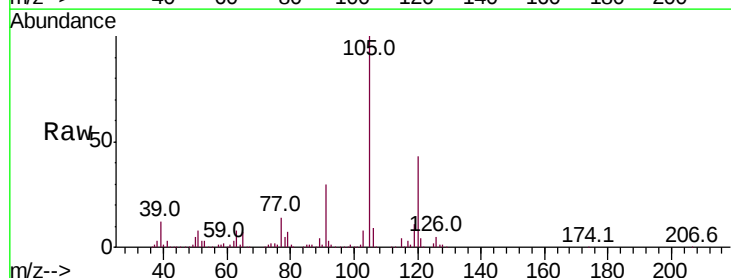
Acq: 12 Jul 2019 15:54

Tgt Ion: 105 Resp: 636794

Ion Ratio Lower Upper

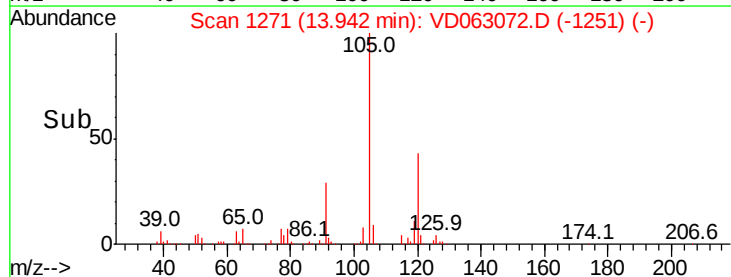
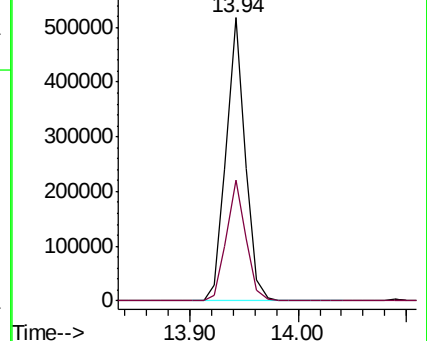
105 100

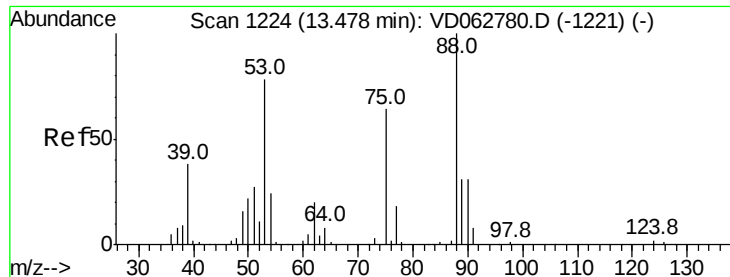
120 42.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062780.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062780.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 25.808 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

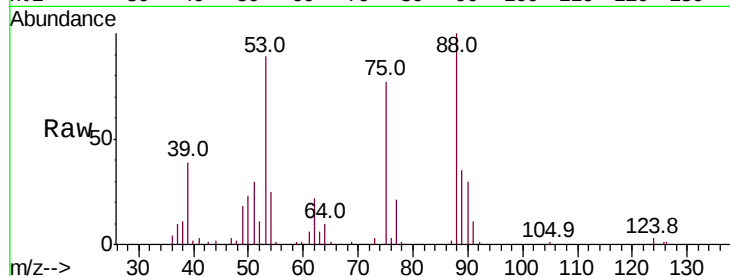
Tot Ion: 75 Resp: 43683

Ion Ratio Lower Upper

75 100

53 115.5 97.8 146.8

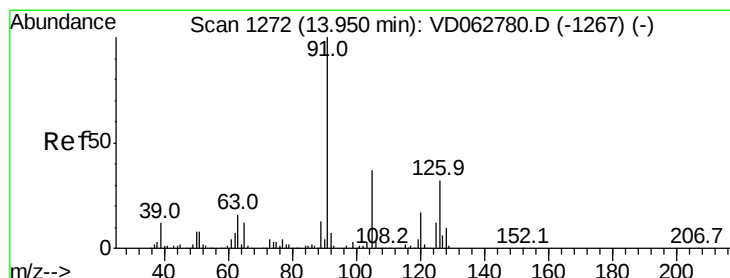
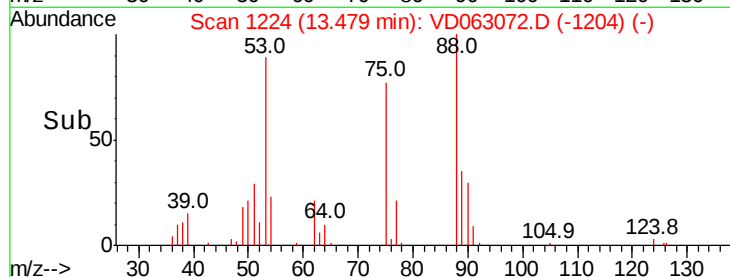
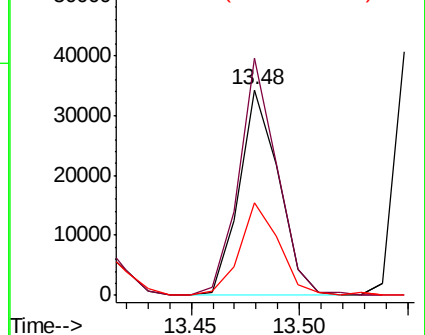
89 45.3 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.778 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063072.D

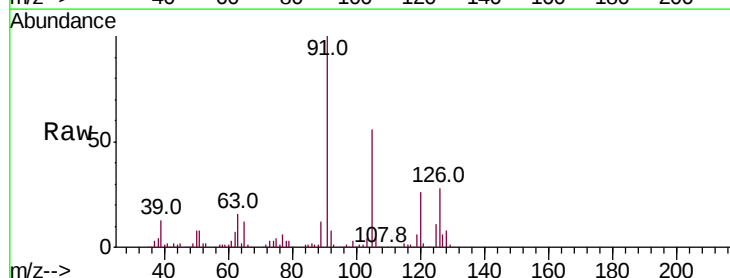
Acq: 12 Jul 2019 15:54

Tgt Ion: 91 Resp: 625549

Ion Ratio Lower Upper

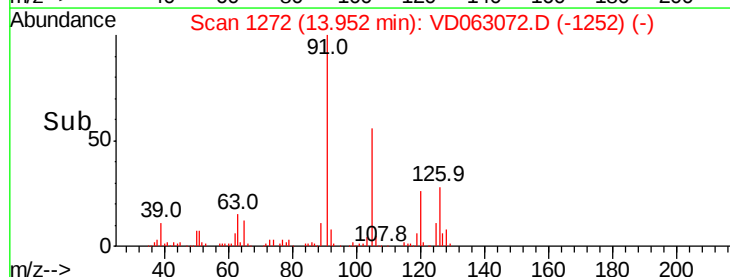
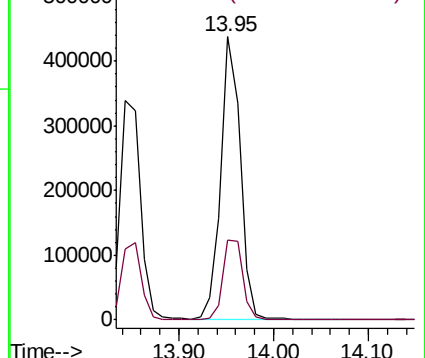
91 100

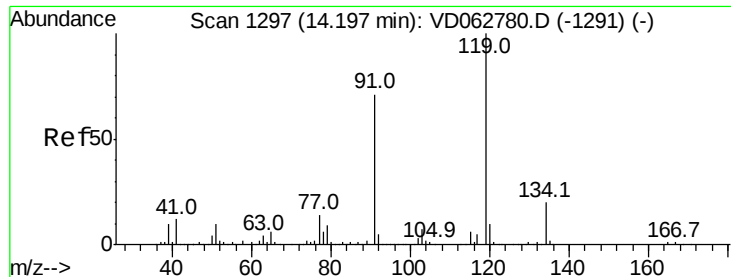
126 28.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 21.933 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

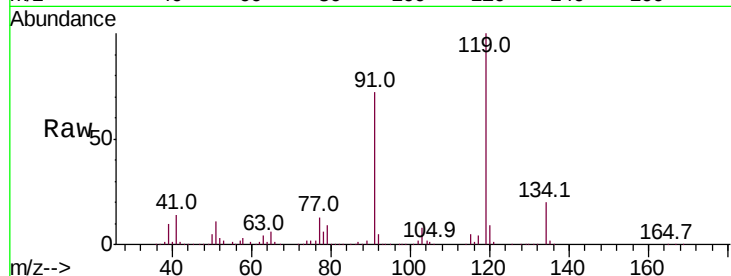
Tot Ion:119 Resp: 736600

Ion Ratio Lower Upper

119 100

91 72.3 35.5 106.5

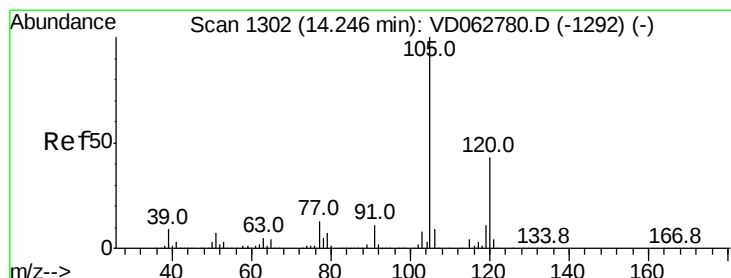
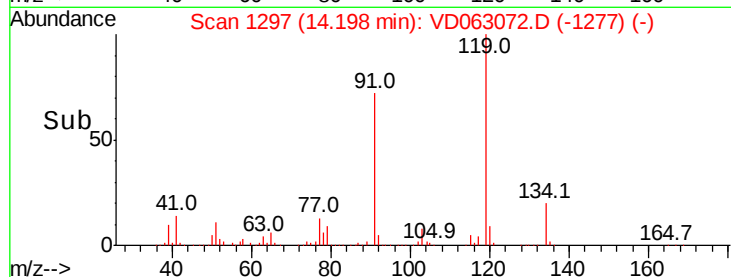
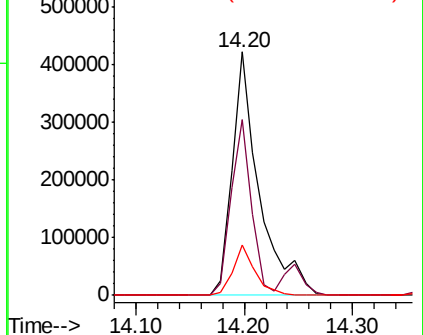
134 20.5 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.424 ug/l

RT: 14.25 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD063072.D

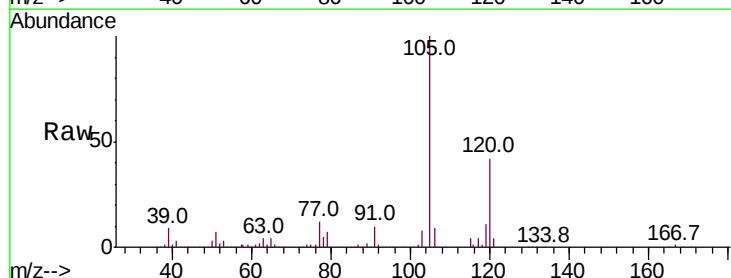
Acq: 12 Jul 2019 15:54

Tgt Ion:105 Resp: 661596

Ion Ratio Lower Upper

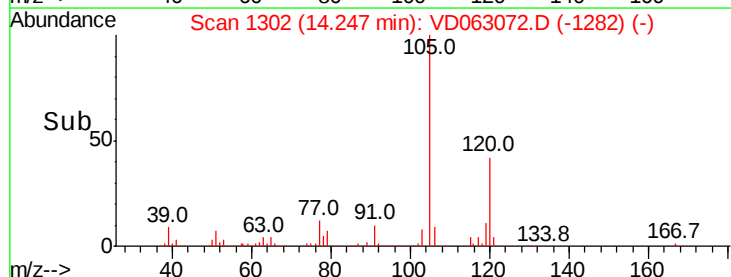
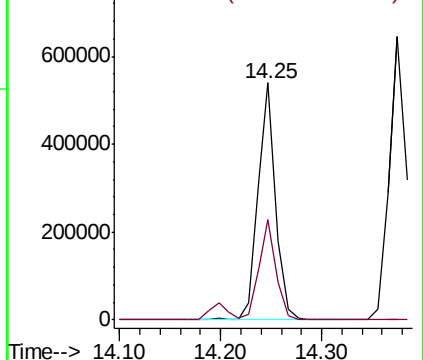
105 100

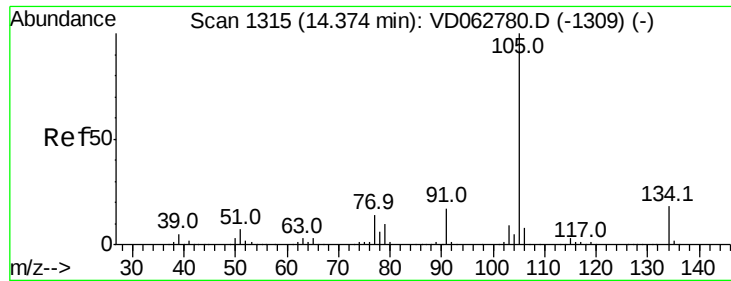
120 42.4 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

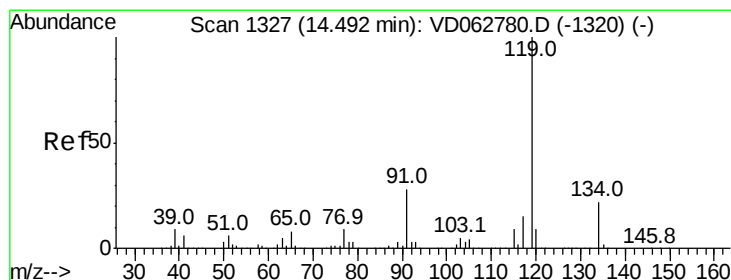
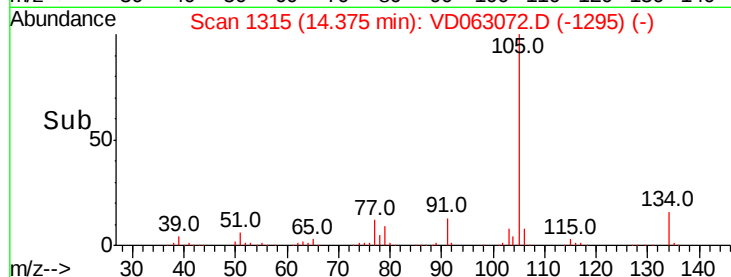
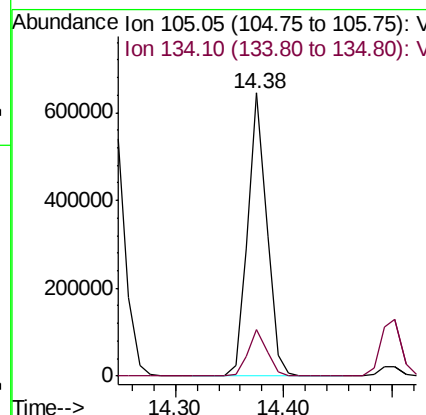
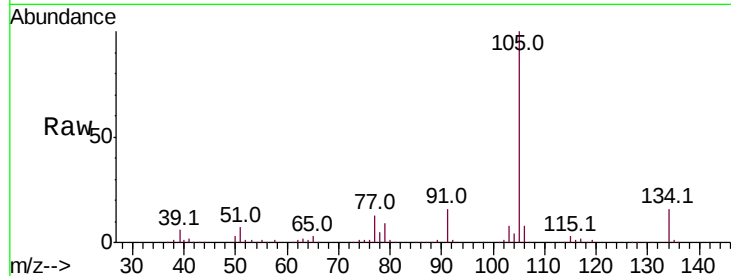




#85
 sec-Butylbenzene
 Concen: 21.729 ug/l
 RT: 14.38 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

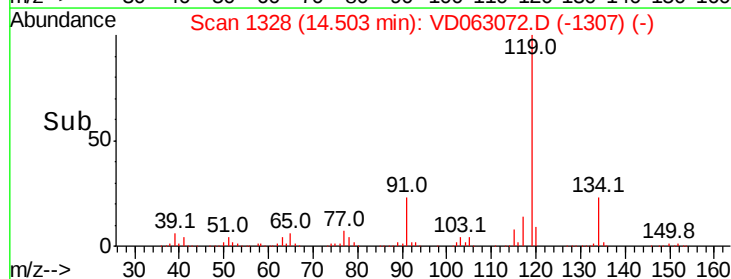
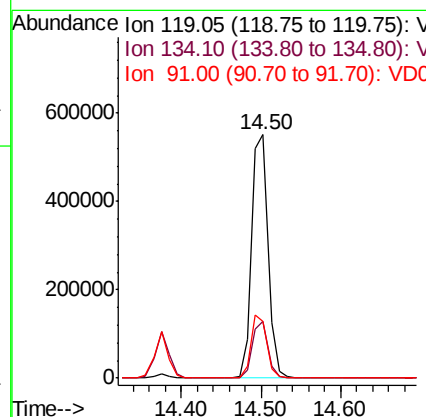
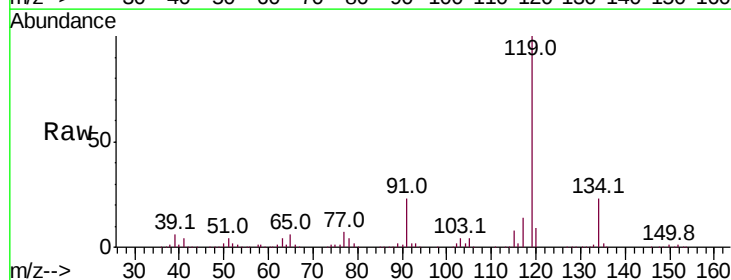
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

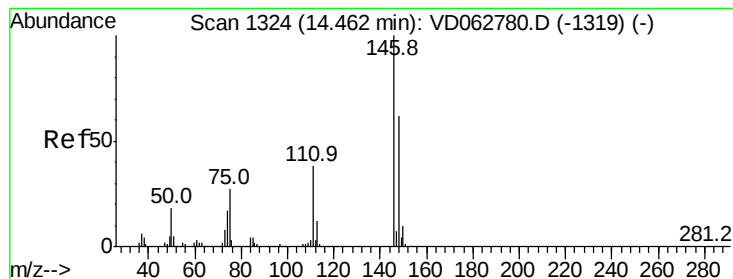
Tot Ion:105 Resp: 793115
 Ion Ratio Lower Upper
 105 100
 134 16.4 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 23.216 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion:119 Resp: 775248
 Ion Ratio Lower Upper
 119 100
 134 23.4 11.1 33.1
 91 23.2 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 24.636 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBS01

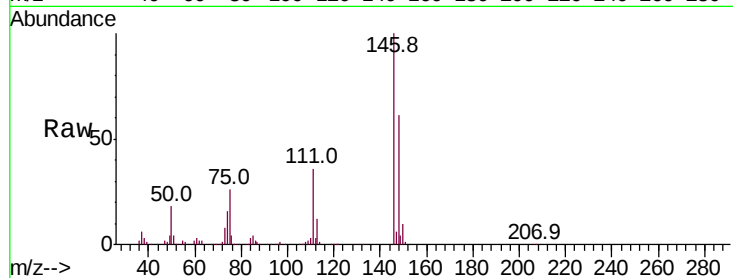
Tot Ion:146 Resp: 426077

Ion Ratio Lower Upper

146 100

111 36.0 19.0 57.0

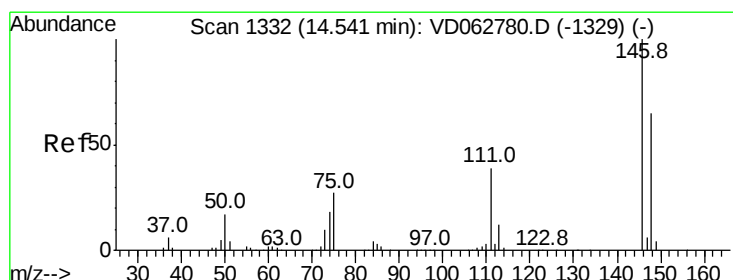
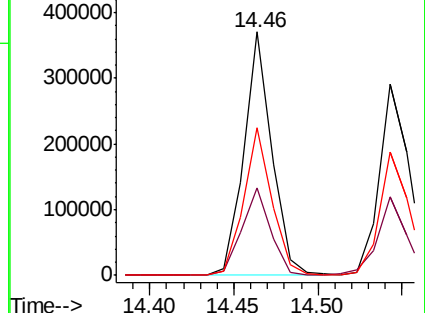
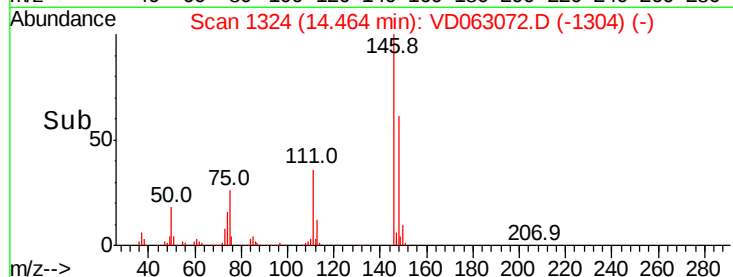
148 60.7 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.423 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD063072.D

Acq: 12 Jul 2019 15:54

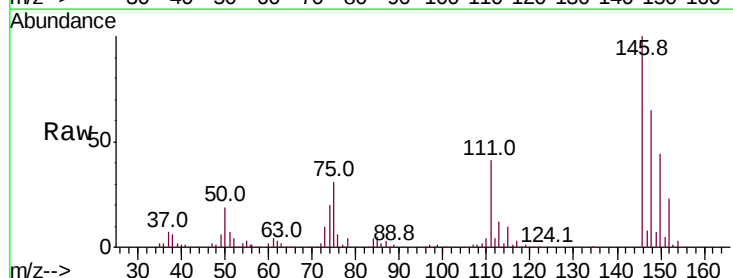
Tgt Ion:146 Resp: 354764

Ion Ratio Lower Upper

146 100

111 41.0 19.7 59.1

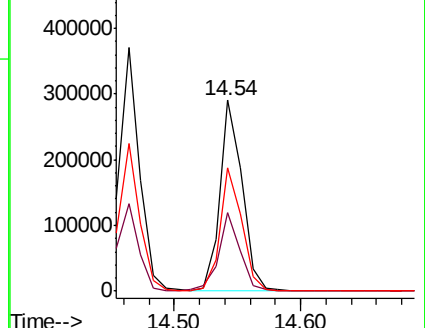
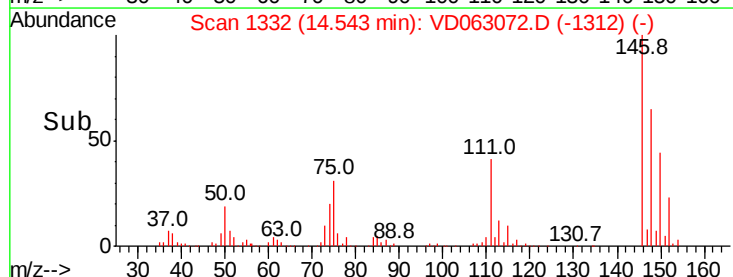
148 64.9 32.8 98.3

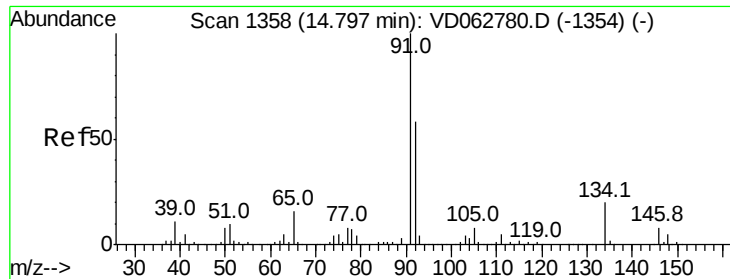


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

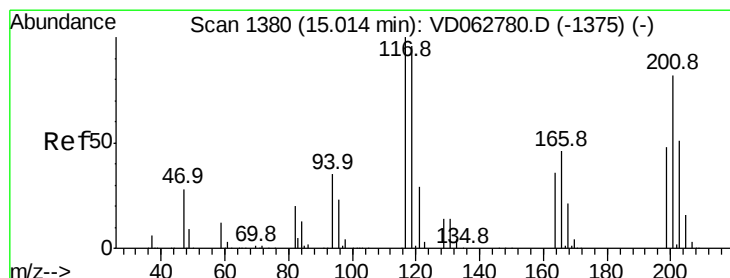
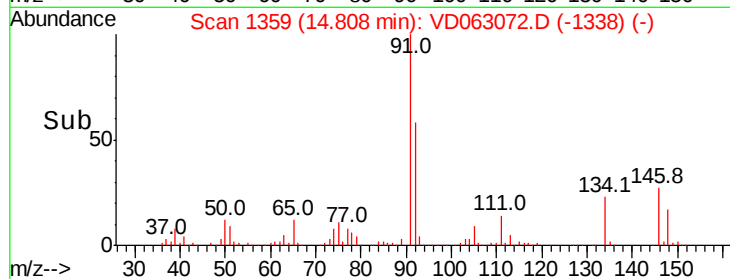
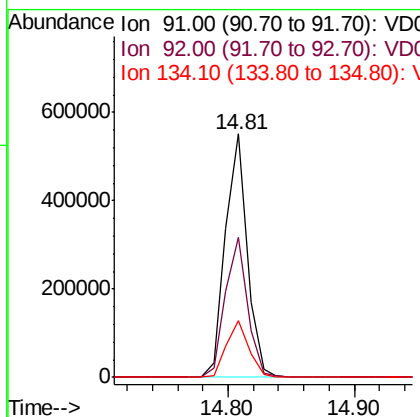
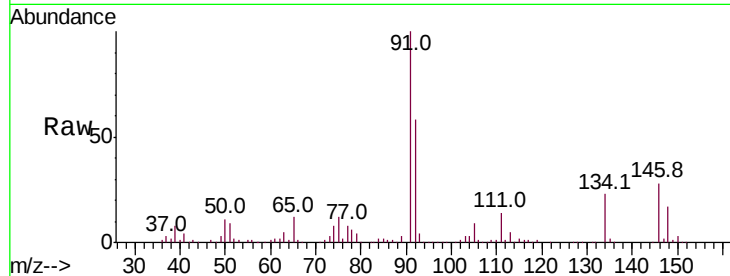




#89
n-Butylbenzene
Concen: 21.117 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

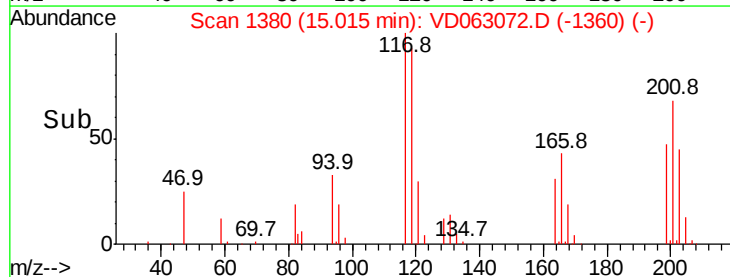
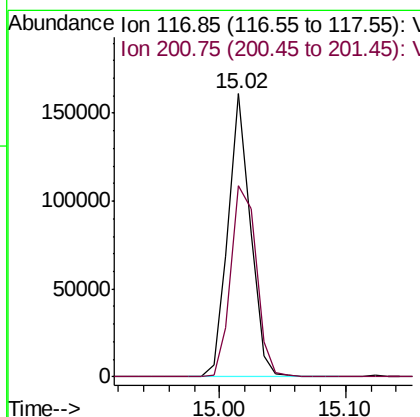
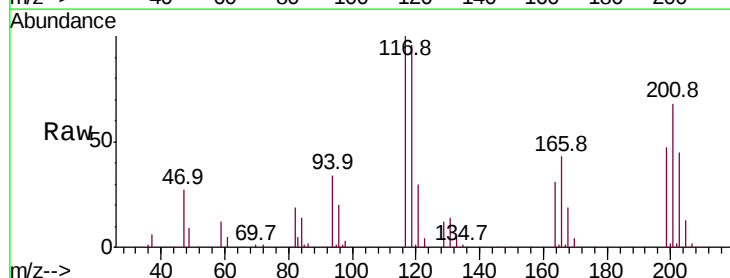
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

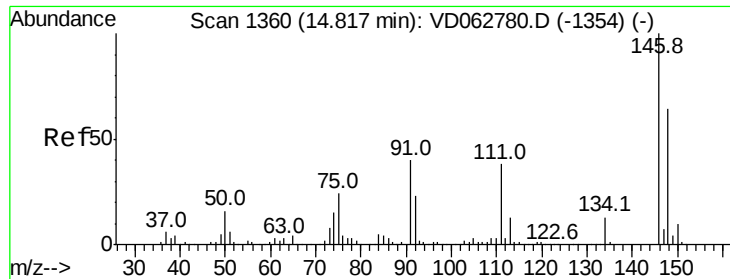
Tot Ion: 91 Resp: 659990
Ion Ratio Lower Upper
91 100
92 57.6 28.9 86.7
134 23.0 10.1 30.3



#90
Hexachloroethane
Concen: 21.933 ug/l
RT: 15.02 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 117 Resp: 196922
Ion Ratio Lower Upper
117 100
201 67.6 40.8 122.2

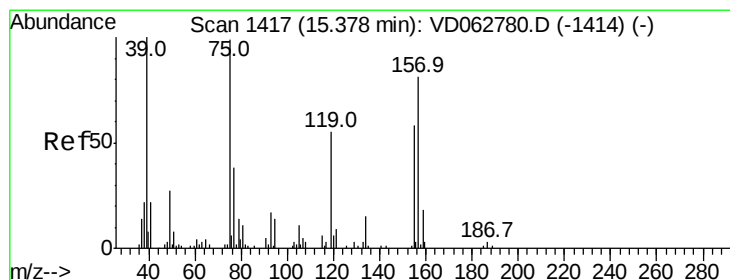
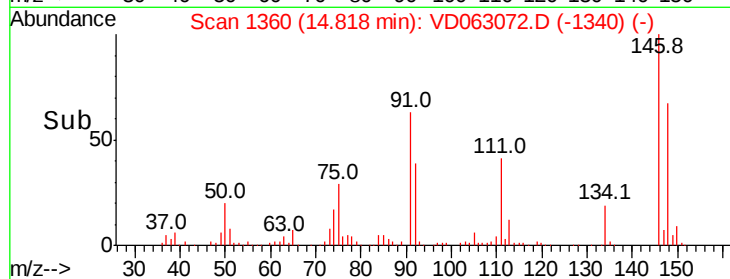
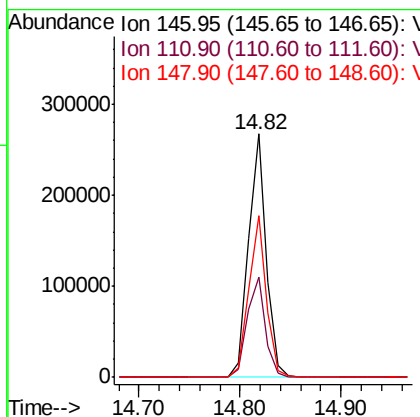
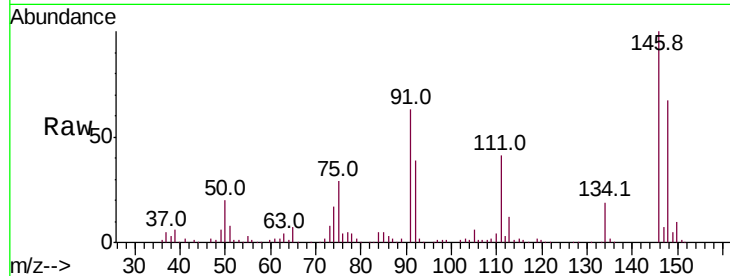




#91
 1,2-Dichlorobenzene
 Concen: 22.333 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

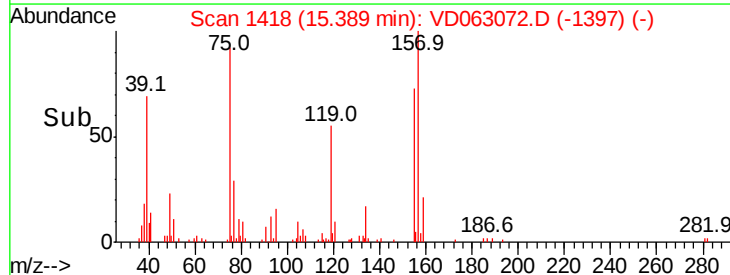
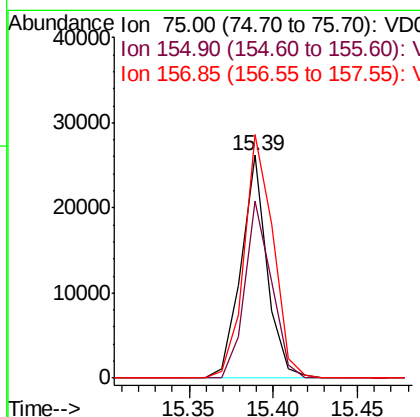
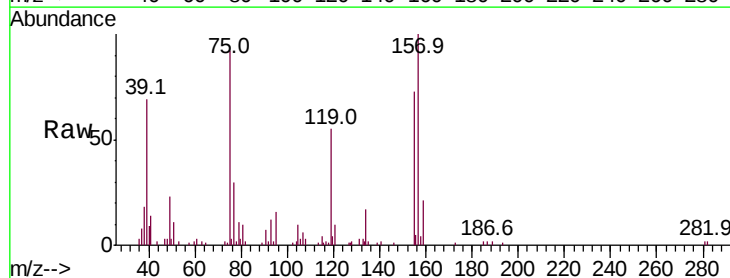
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

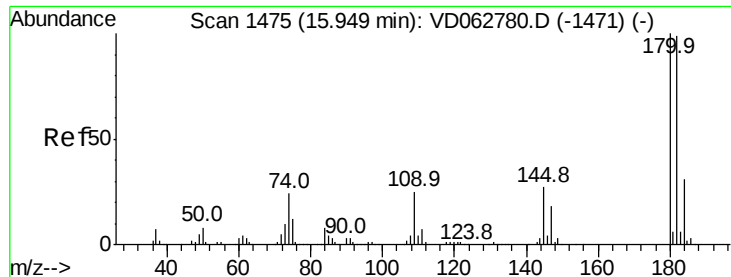
Tot Ion:146 Resp: 330456
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.1 57.1
 148 66.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.581 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 75 Resp: 28040
 Ion Ratio Lower Upper
 75 100
 155 79.5 29.3 87.8
 157 109.2 41.3 123.7

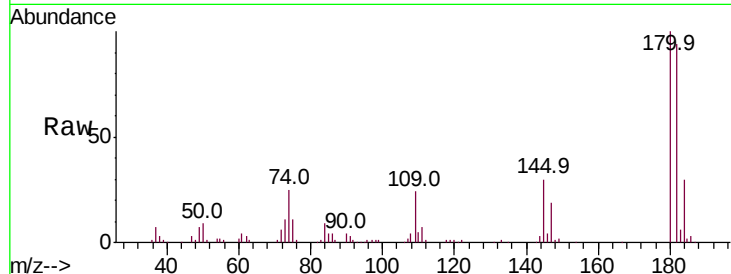




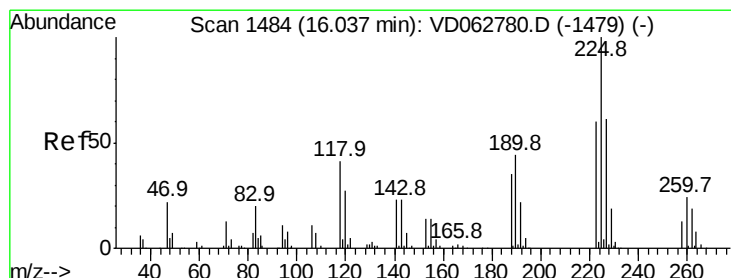
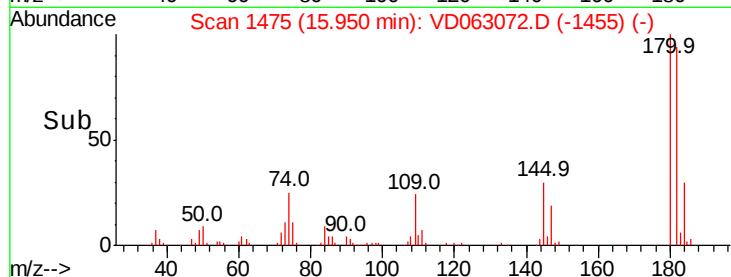
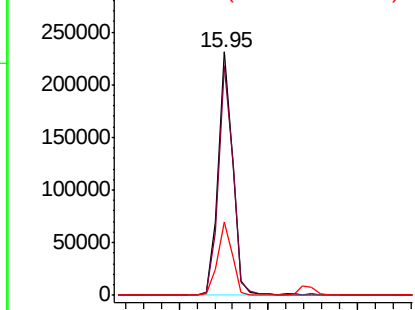
#93
 1,2,4-Trichlorobenzene
 Concen: 22.991 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	49.5	148.5
145	30.2	13.7	41.0

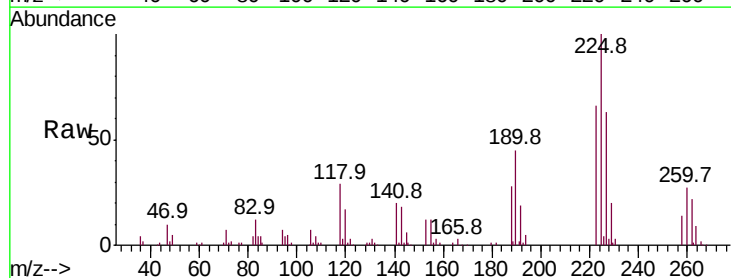


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

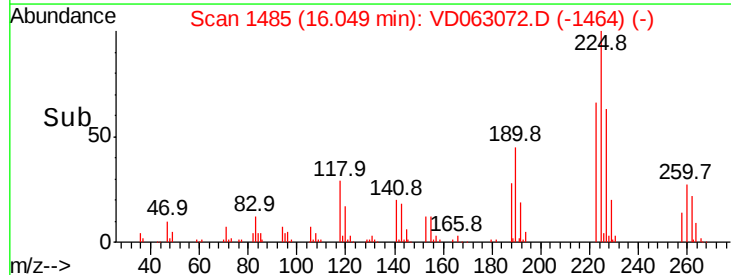
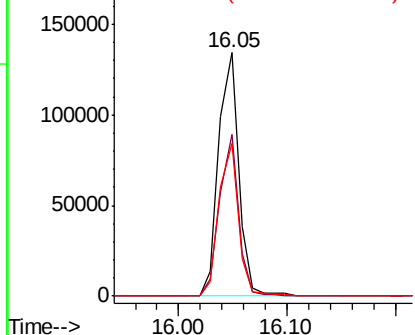


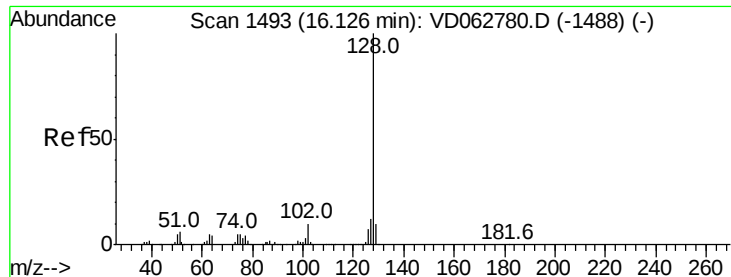
#94
 Hexachlorobutadiene
 Concen: 19.726 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063072.D
 Acq: 12 Jul 2019 15:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	29.8	89.5
227	62.7	30.6	91.6



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

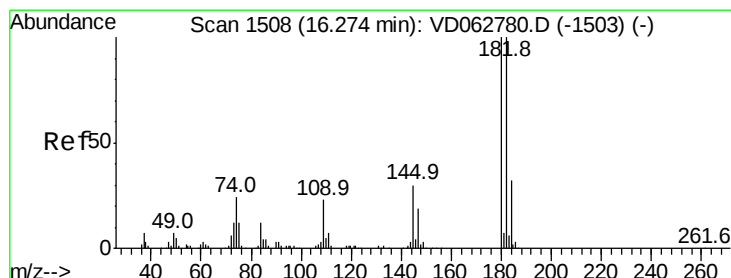
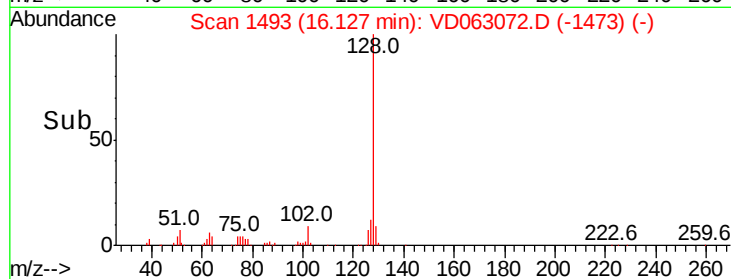
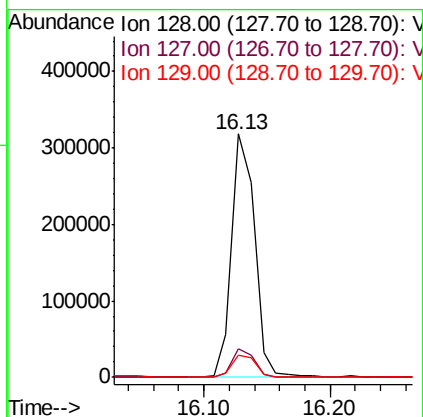
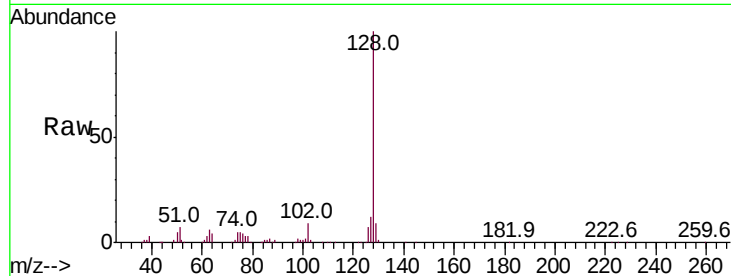




#95
Naphthalene
Concen: 24.749 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD0712SBS01

Tot Ion:128 Resp: 400962
Ion Ratio Lower Upper
128 100
127 11.7 9.7 14.5
129 9.1 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 24.802 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063072.D
Acq: 12 Jul 2019 15:54

Tgt Ion:180 Resp: 220266
Ion Ratio Lower Upper
180 100
182 90.2 49.9 149.6
145 31.0 15.2 45.5

