

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063003.D
 Acq On : 2 Jul 2019 12:04
 Operator : VA/AP
 Sample : VD0702SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 03 00:56:45 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	7.06	168	946084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1265729	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1088218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	588257	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	486685	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
35) Dibromofluoromethane	6.93	113	527883	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	10.41	98	1141996	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	13.56	95	539291	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	254809	20.813	ug/l	95
3) Chloromethane	1.75	50	195056	21.185	ug/l	90
4) Vinyl Chloride	1.85	62	181800	19.915	ug/l	98
5) Bromomethane	2.15	94	85740	20.055	ug/l #	97
6) Chloroethane	2.26	64	77097	18.654	ug/l	94
7) Trichlorofluoromethane	2.53	101	374619	20.277	ug/l	97
8) Diethyl Ether	2.87	74	48098	20.490	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	222272	22.207	ug/l	89
10) Methyl Iodide	3.30	142	265352	20.095	ug/l	96
11) Tert butyl alcohol	4.09	59	58327	124.531	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	153946	20.503	ug/l	91
13) Acrolein	3.04	56	34376	71.893	ug/l	94
14) Allyl chloride	3.62	41	231338	20.852	ug/l	94
15) Acrylonitrile	4.21	53	134538	122.247	ug/l	91
16) Acetone	3.24	43	212667	97.715	ug/l	97
17) Carbon Disulfide	3.37	76	472971	19.710	ug/l	98
18) Methyl Acetate	3.65	43	105840	34.093	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	365742	22.501	ug/l	99
20) Methylene Chloride	3.82	84	181762	23.175	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	177118	22.154	ug/l	91
22) Diisopropyl ether	5.14	45	472589	20.946	ug/l	99
23) Vinyl Acetate	5.07	43	1456673	103.176	ug/l	99
24) 1,1-Dichloroethane	4.99	63	307898	20.960	ug/l	99
25) 2-Butanone	6.08	43	209445	108.894	ug/l #	93
26) 2,2-Dichloropropane	6.03	77	338189	21.720	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	185552	21.947	ug/l	96
28) Bromochloromethane	6.45	49	117870	22.782	ug/l	97
29) Tetrahydrofuran	6.46	42	101151	111.152	ug/l	96
30) Chloroform	6.67	83	359639	20.131	ug/l	98
31) Cyclohexane	6.96	56	192935	19.978	ug/l	92
32) 1,1,1-Trichloroethane	6.88	97	383598	20.615	ug/l	99
36) 1,1-Dichloropropene	7.15	75	241483	20.154	ug/l	96
37) Ethyl Acetate	6.20	43	104573	20.118	ug/l #	95
38) Carbon Tetrachloride	7.11	117	361084	20.038	ug/l	99

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 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	210715	19.979	ug/l	99
40) Benzene	7.46	78	505532	21.019	ug/l	98
41) Methacrylonitrile	6.46	41	135794	21.490	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	286340	21.824	ug/l	100
43) Isopropyl Acetate	9.25	43	143513	22.846	ug/l #	100
44) Trichloroethene	8.54	130	207416	21.997	ug/l	94
45) 1,2-Dichloropropane	8.95	63	128203	21.437	ug/l	94
46) Dibromomethane	9.07	93	109499	21.314	ug/l	90
47) Bromodichloromethane	9.39	83	295815	22.171	ug/l	93
48) Methyl methacrylate	9.13	41	106175	23.785	ug/l	98
49) 1,4-Dioxane	9.10	88	20803	560.143	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	515972	115.852	ug/l	94
52) Toluene	10.51	92	348912	21.581	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	249394	22.837	ug/l	92
54) cis-1,3-Dichloropropene	10.05	75	249100	20.986	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	119894	21.585	ug/l	93
56) Ethyl methacrylate	11.05	69	134449	22.650	ug/l	91
57) 1,3-Dichloropropane	11.42	76	179472	21.102	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	335732	110.168	ug/l	94
59) 2-Hexanone	11.53	43	370419	116.782	ug/l	94
60) Dibromochloromethane	11.69	129	209284	20.228	ug/l	95
61) 1,2-Dibromoethane	11.81	107	150294	22.910	ug/l	98
64) Tetrachloroethene	11.26	164	186695	20.845	ug/l	91
65) Chlorobenzene	12.40	112	444933	22.031	ug/l	94
66) 1,1,1,2-Tetrachloroethane	12.52	131	195923	20.744	ug/l	89
67) Ethyl Benzene	12.53	91	791637	21.832	ug/l	100
68) m/p-Xylenes	12.68	106	556132	44.036	ug/l	99
69) o-Xylene	13.05	106	246414	21.344	ug/l	93
70) Styrene	13.07	104	413812	20.407	ug/l	99
71) Bromoform	13.24	173	139977	21.631	ug/l #	93
73) Isopropylbenzene	13.41	105	772972	20.494	ug/l	99
74) N-amyl acetate	13.27	43	203617	22.230	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	137565	22.385	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	152907	22.516	ug/l	99
77) Bromobenzene	13.67	156	219754	21.661	ug/l	94
78) n-propylbenzene	13.78	91	945031	21.527	ug/l	98
79) 2-Chlorotoluene	13.84	91	546629	21.788	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	683914	21.587	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	37032	20.807	ug/l	97
82) 4-Chlorotoluene	13.95	91	661903	21.915	ug/l	97
83) tert-Butylbenzene	14.19	119	756176	21.413	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	698620	21.514	ug/l	100
85) sec-Butylbenzene	14.37	105	802251	20.902	ug/l	94
86) p-Isopropyltoluene	14.50	119	769527	21.916	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	374437	20.590	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	384293	21.039	ug/l	97
89) n-Butylbenzene	14.80	91	718639	21.867	ug/l	97
90) Hexachloroethane	15.01	117	201817	21.377	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	356548	22.915	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	28150	23.468	ug/l	76

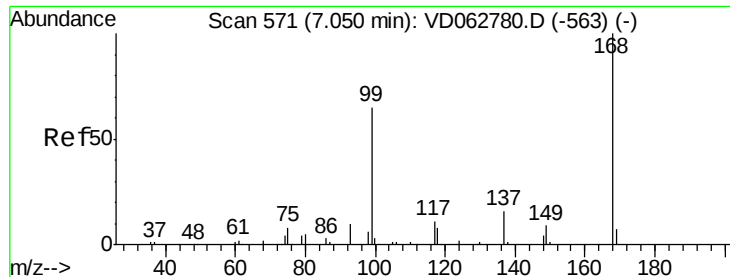
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	268605	22.100	ug/l	99
94) Hexachlorobutadiene	16.04	225	191106	20.581	ug/l	95
95) Naphthalene	16.12	128	388281	22.792	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	210900	22.584	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

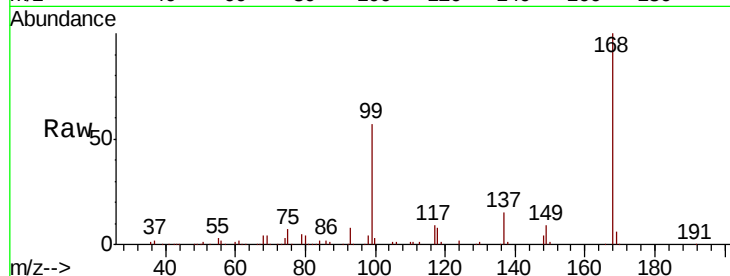
ClientSampleId :

Tot Ion:168 Resp: 946084

Ion Ratio Lower Upper

168 100

99 56.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

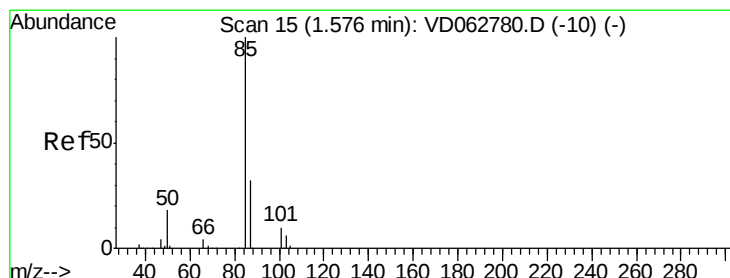
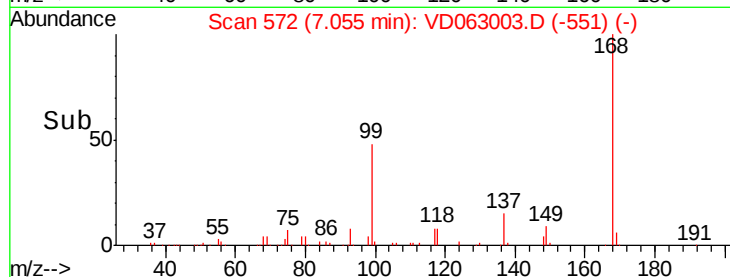
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.813 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063003.D

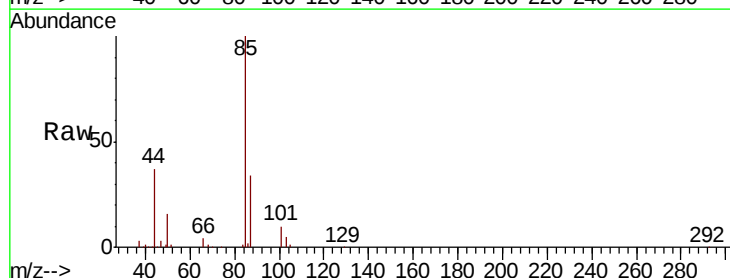
Acq: 2 Jul 2019 12:04

Tgt Ion: 85 Resp: 254809

Ion Ratio Lower Upper

85 100

87 34.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

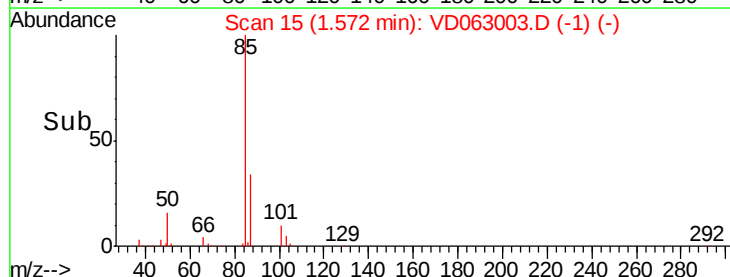
100000

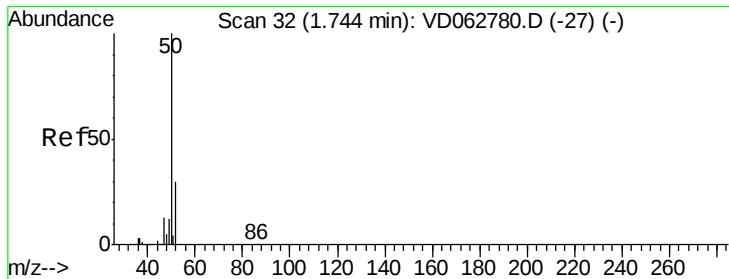
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.185 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

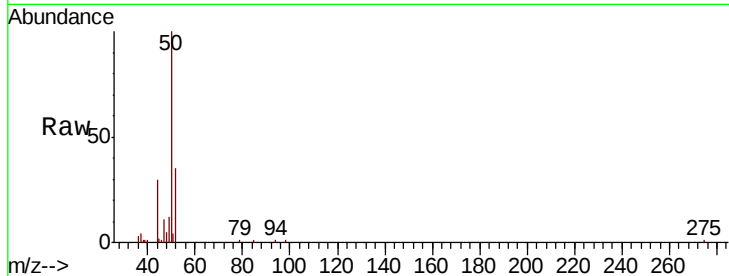
ClientSampleId :

Tot Ion: 50 Resp: 195056

Ion Ratio Lower Upper

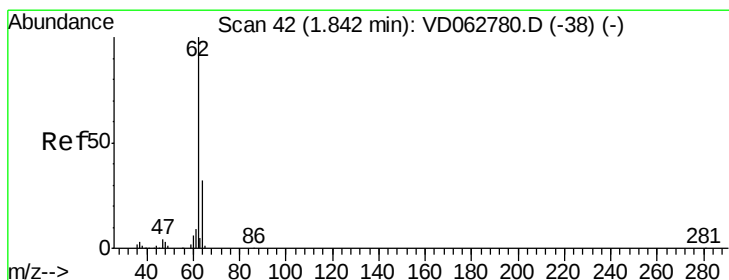
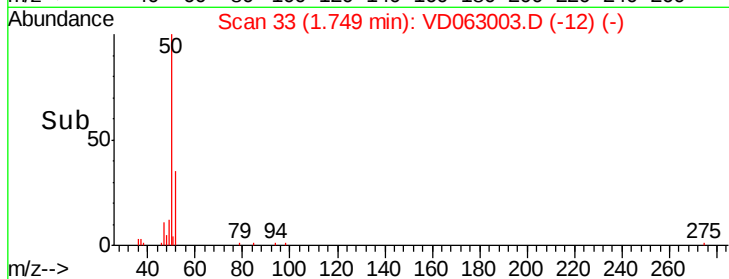
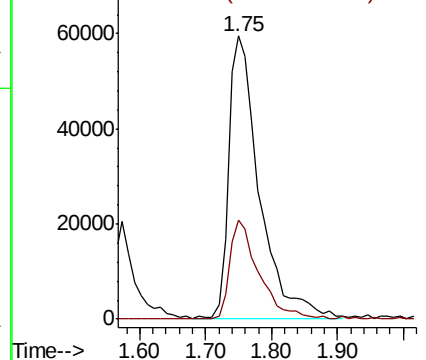
50 100

52 34.8 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: 19.915 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063003.D

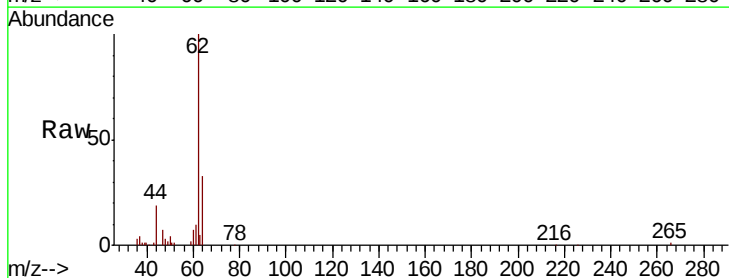
Acq: 2 Jul 2019 12:04

Tgt Ion: 62 Resp: 181800

Ion Ratio Lower Upper

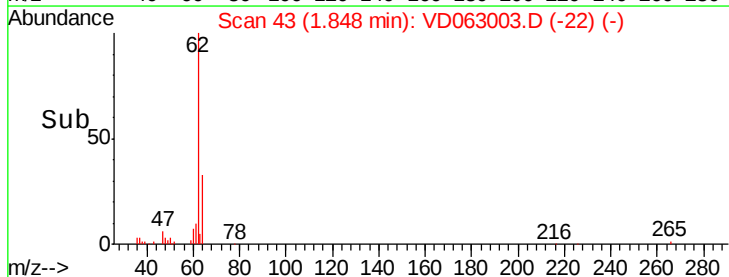
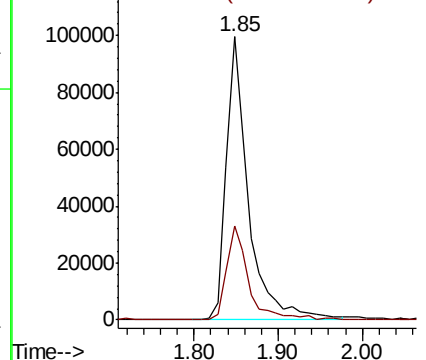
62 100

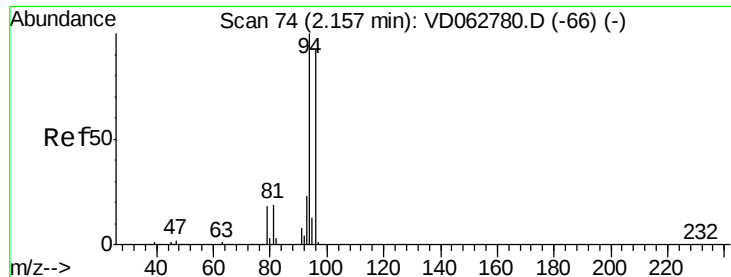
64 33.0 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.055 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampled :

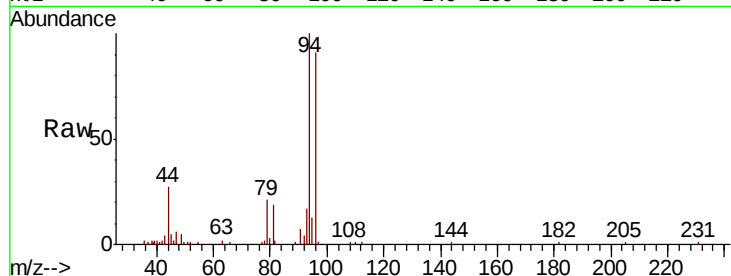
Tot Ion: 94 Resp: 85740

Ion Ratio Lower Upper

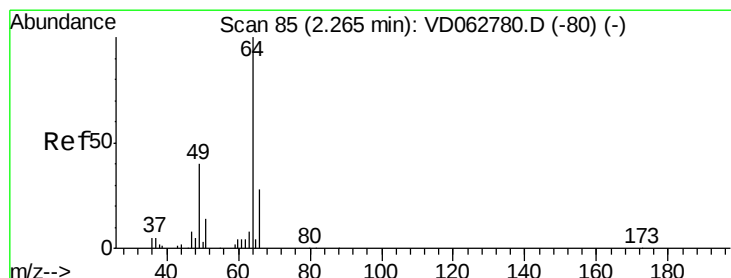
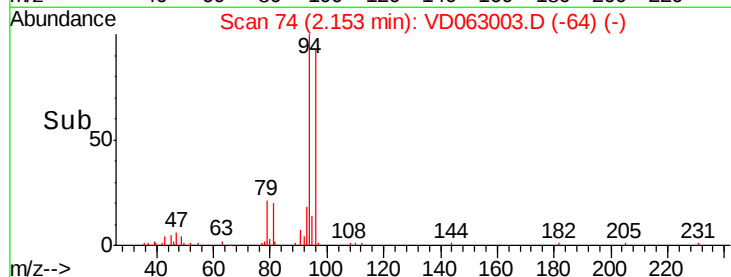
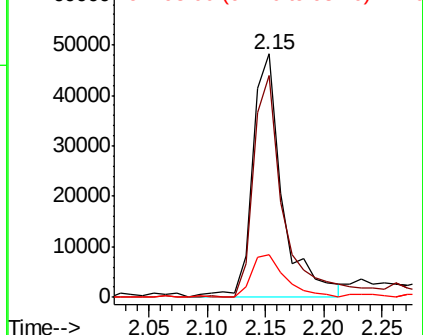
94 100

96 91.1 73.4 110.2

93 17.3 18.2 27.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.654 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063003.D

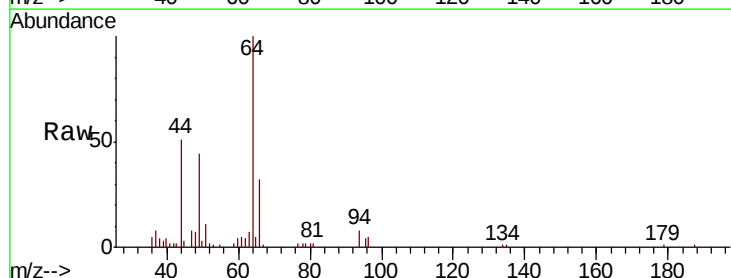
Acq: 2 Jul 2019 12:04

Tgt Ion: 64 Resp: 77097

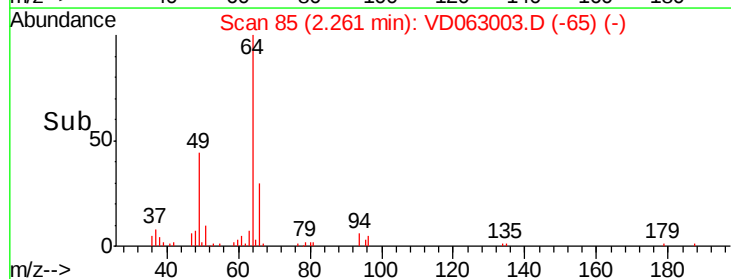
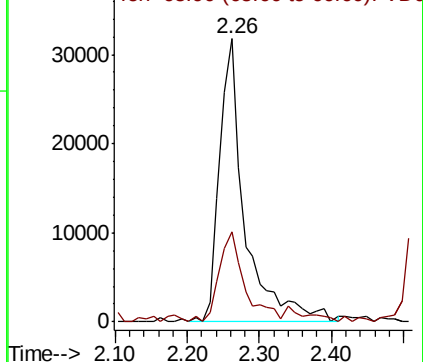
Ion Ratio Lower Upper

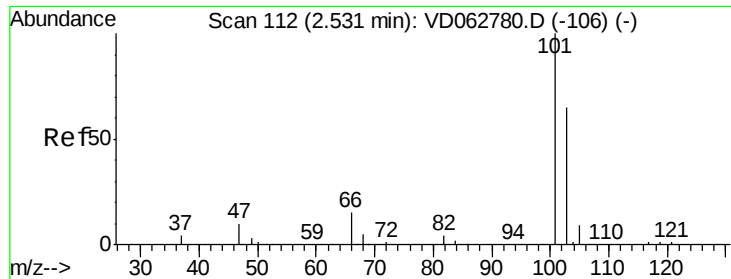
64 100

66 31.8 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



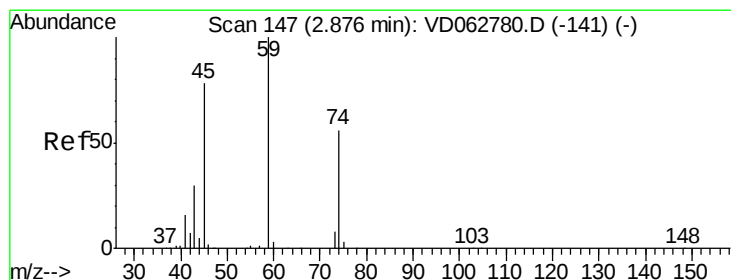
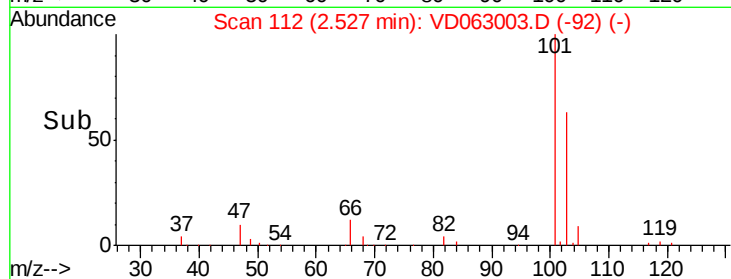
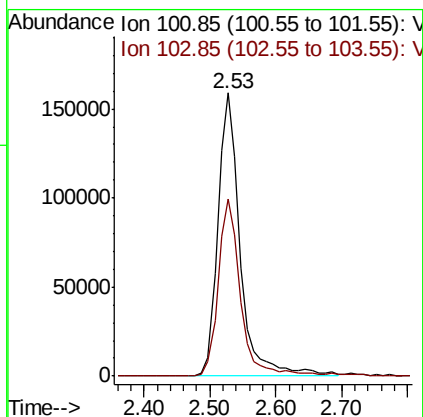
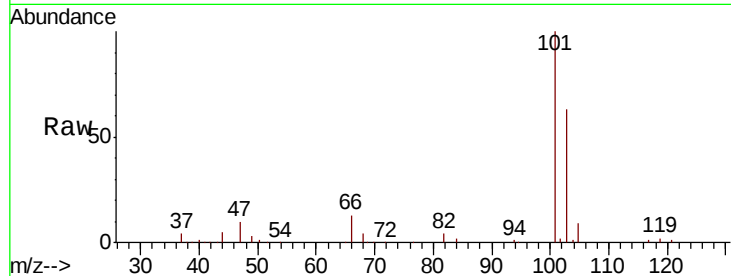


#7

Trichlorofluoromethane
 Concen: 20.277 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :

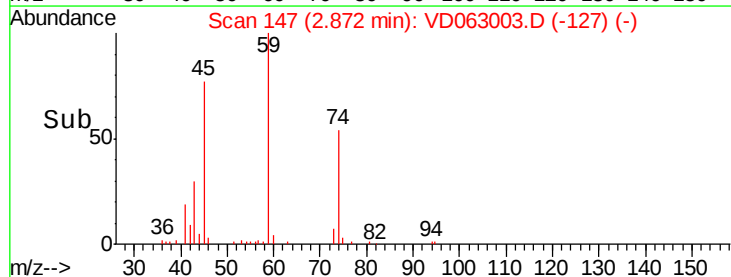
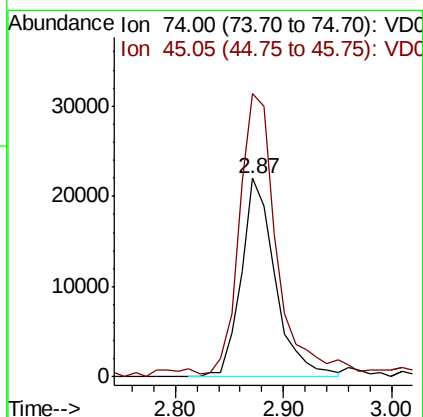
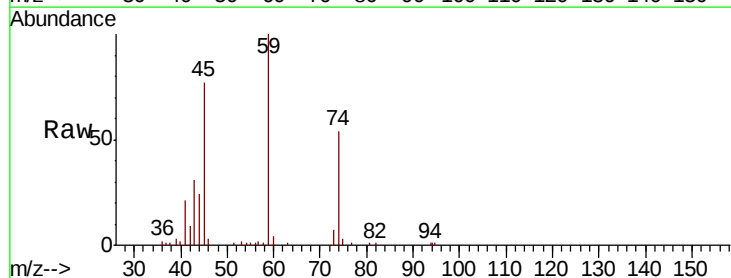
Tot Ion:101 Resp: 374619
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.8 77.8

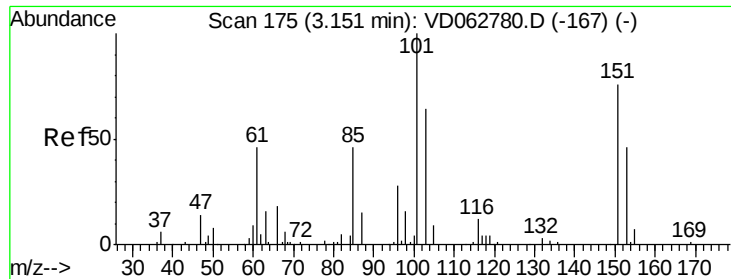


#8

Diethyl Ether
 Concen: 20.490 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion: 74 Resp: 48098
 Ion Ratio Lower Upper
 74 100
 45 142.6 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.207 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

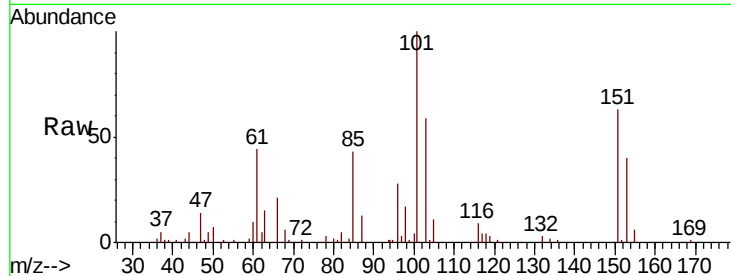
Tot Ion:101 Resp: 222272

Ion Ratio Lower Upper

101 100

85 43.1 37.0 55.4

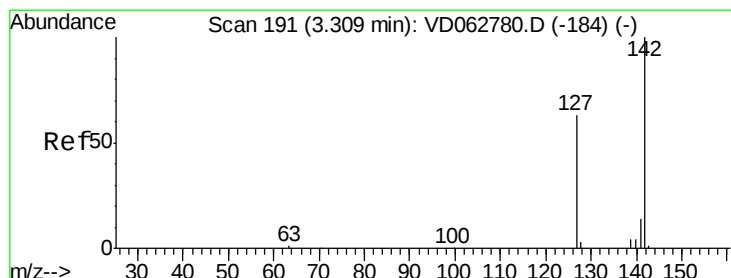
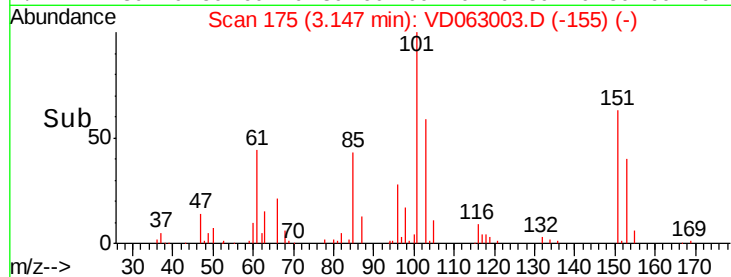
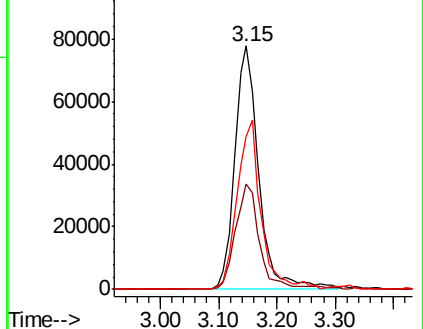
151 62.7 60.5 90.7



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: 20.095 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

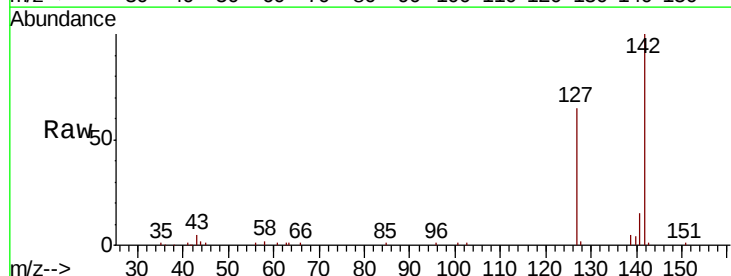
Tgt Ion:142 Resp: 265352

Ion Ratio Lower Upper

142 100

127 65.4 50.1 75.1

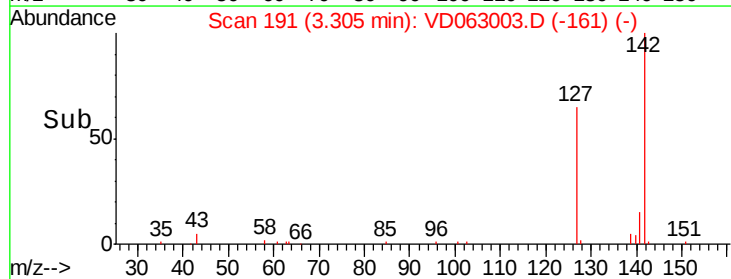
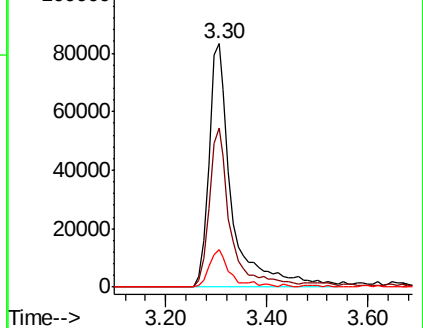
141 15.3 11.0 16.4



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



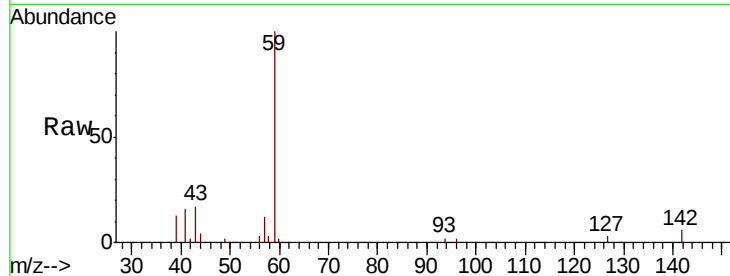


#11

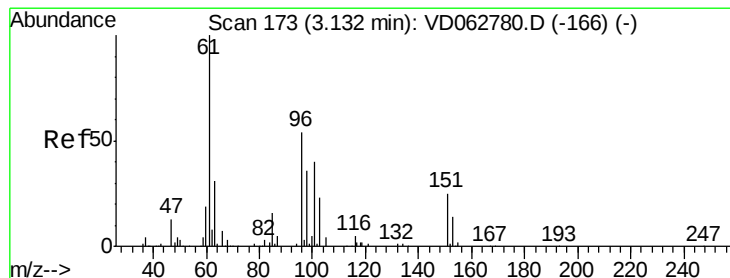
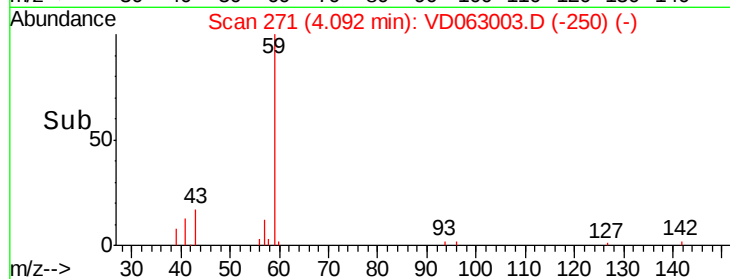
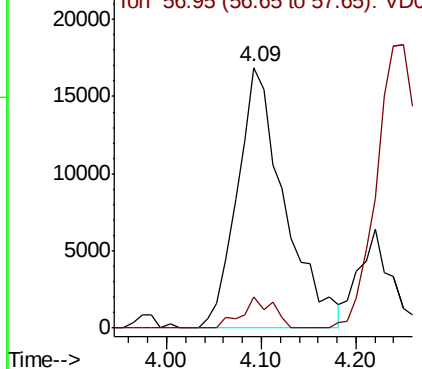
Tert butyl alcohol
 Concen: 124.531 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 58327
 Ion Ratio Lower Upper
 59 100
 57 12.0 6.6 10.0#



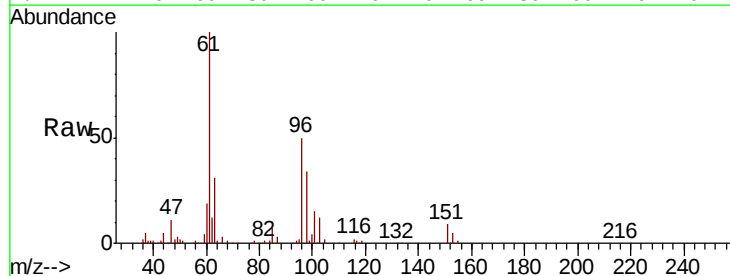
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



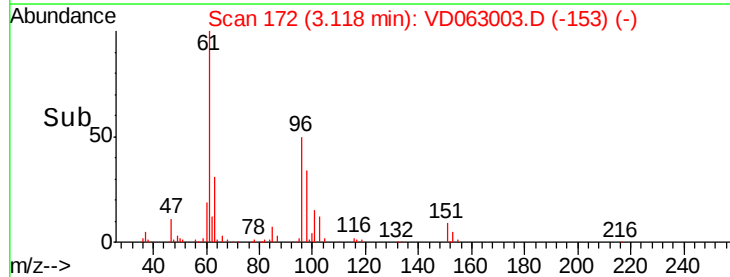
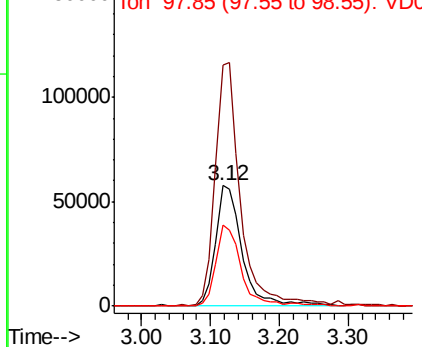
#12

1,1-Dichloroethene
 Concen: 20.503 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion: 96 Resp: 153946
 Ion Ratio Lower Upper
 96 100
 61 200.3 147.1 220.7
 98 67.6 52.6 79.0



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

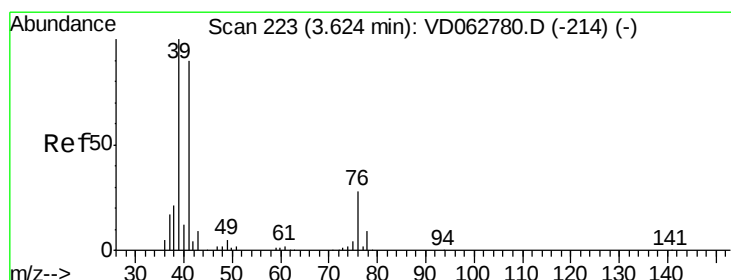
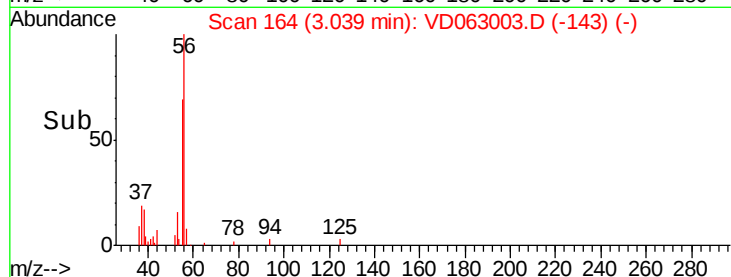
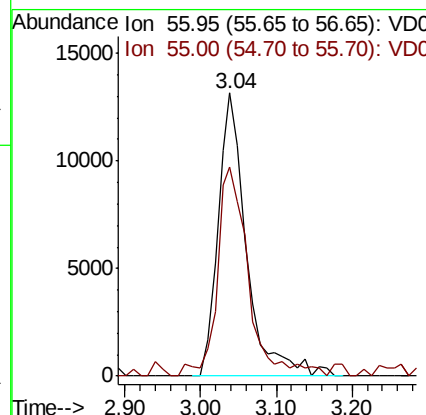
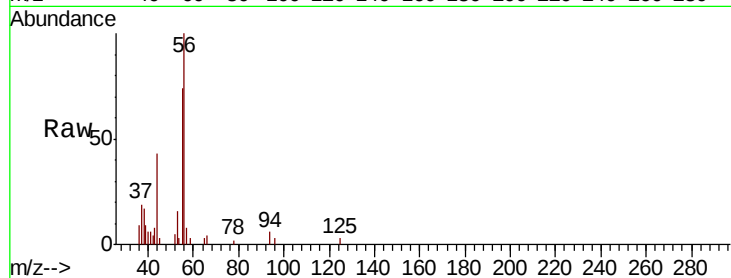




#13
Acrolein
Concen: 71.893 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

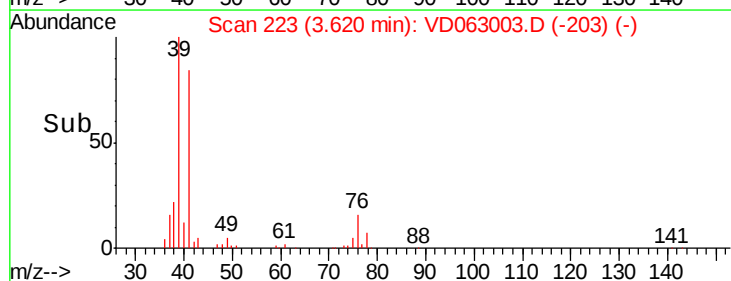
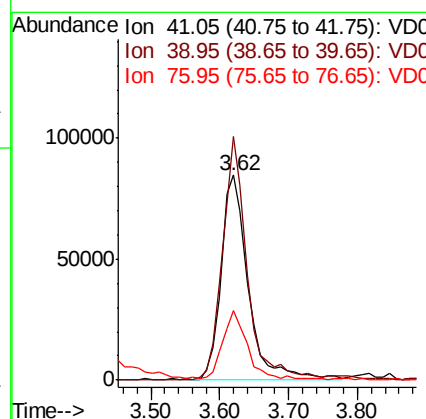
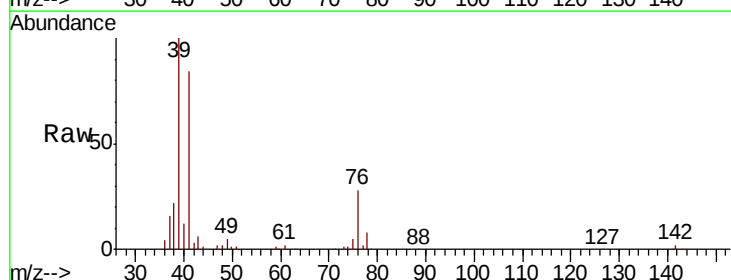
Instrument :
MSVOA_D
ClientSampled :

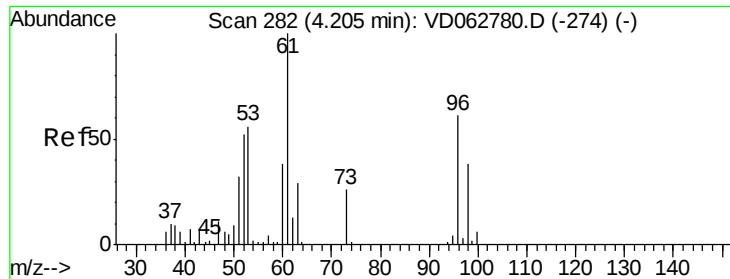
Tot Ion: 56 Resp: 34376
Ion Ratio Lower Upper
56 100
55 73.8 55.4 83.0



#14
Allyl chloride
Concen: 20.852 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion: 41 Resp: 231338
Ion Ratio Lower Upper
41 100
39 118.9 88.8 133.2
76 33.8 26.7 40.1





#15

Acrylonitrile

Concen: 122.247 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampleID :

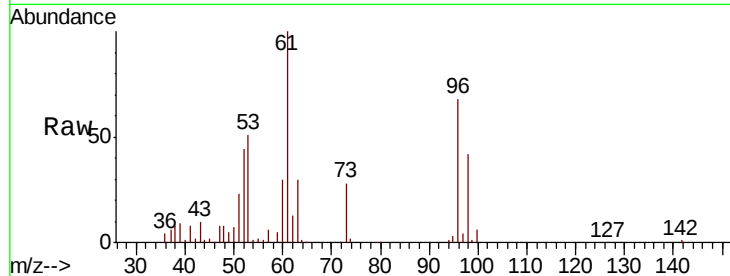
Tot Ion: 53 Resp: 134538

Ion Ratio Lower Upper

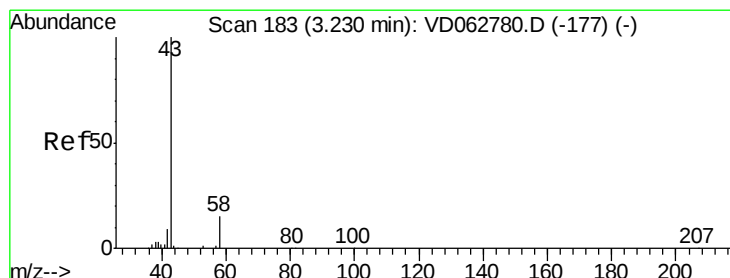
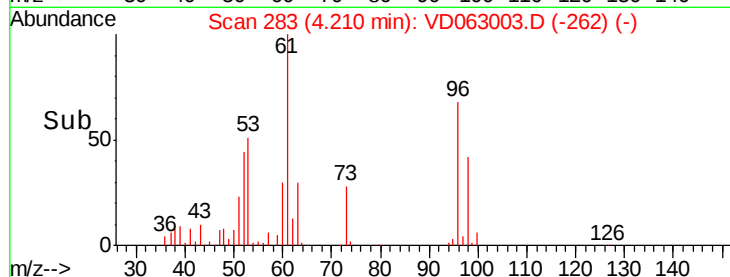
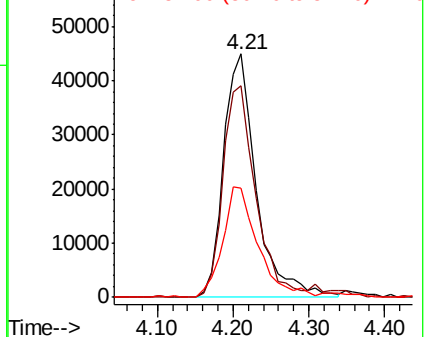
53 100

52 86.7 73.3 109.9

51 44.9 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: 97.715 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD063003.D

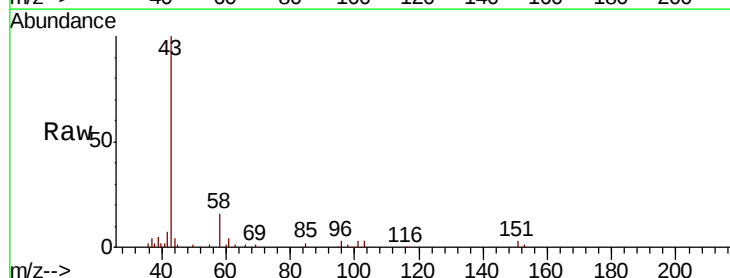
Acq: 2 Jul 2019 12:04

Tgt Ion: 43 Resp: 212667

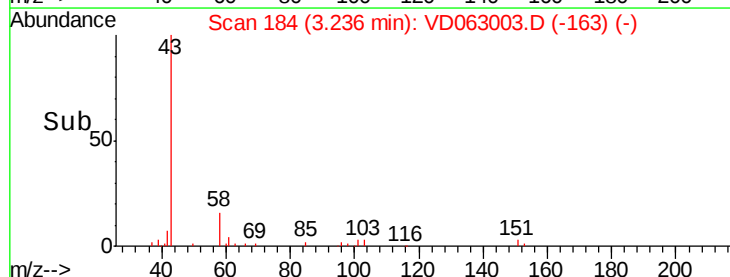
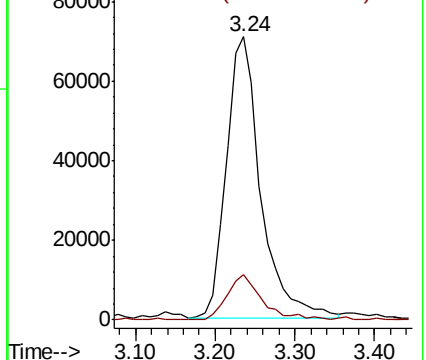
Ion Ratio Lower Upper

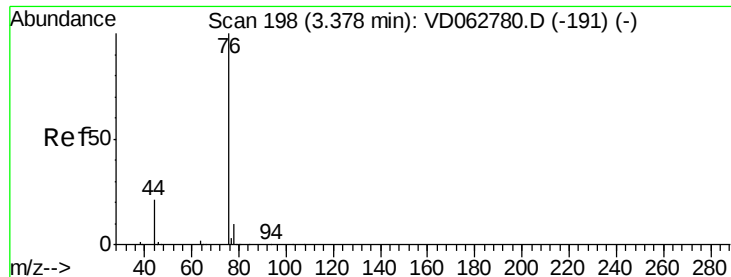
43 100

58 16.0 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

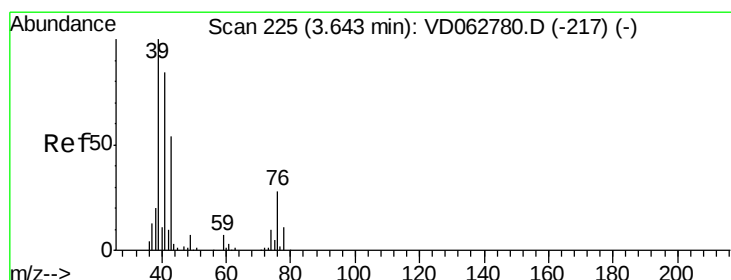
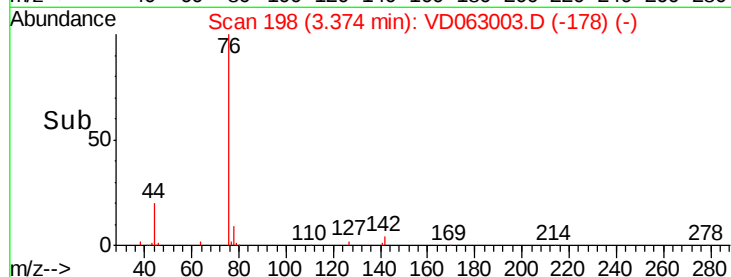
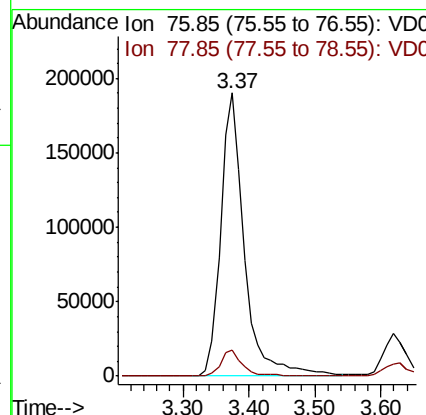
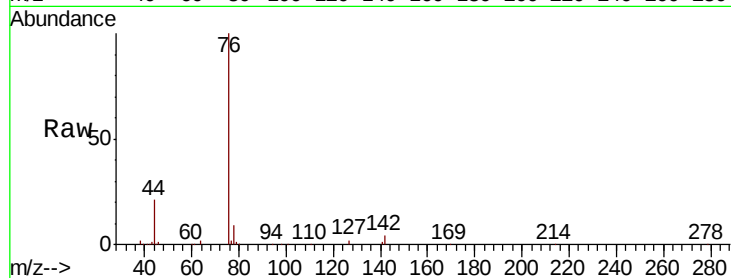




#17
Carbon Disulfide
Concen: 19.710 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

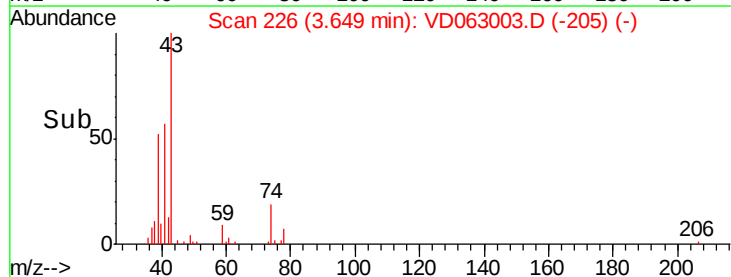
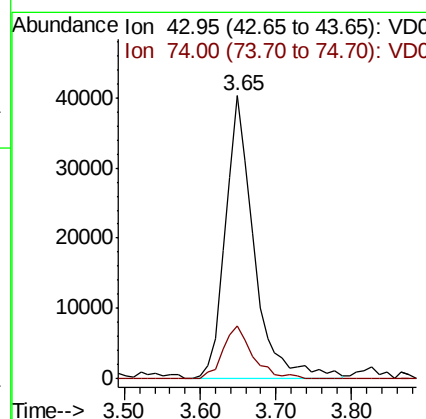
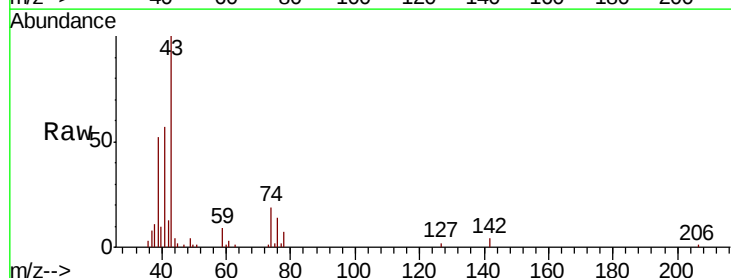
Instrument :
MSVOA_D
ClientSampled :

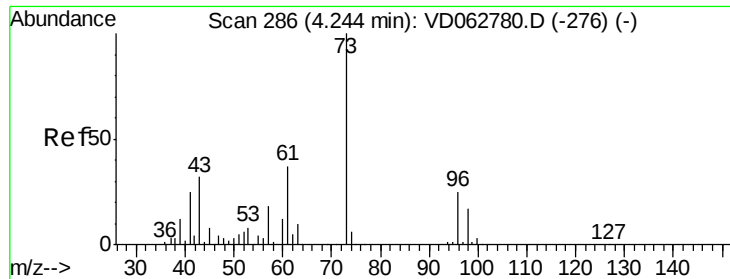
Tot Ion: 76 Resp: 472971
Ion Ratio Lower Upper
76 100
78 9.1 8.0 12.0



#18
Methyl Acetate
Concen: 34.093 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion: 43 Resp: 105840
Ion Ratio Lower Upper
43 100
74 18.7 15.2 22.8



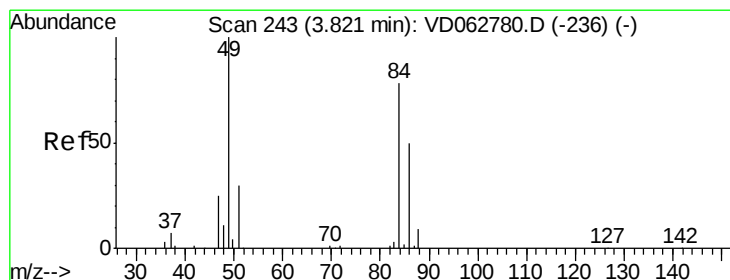
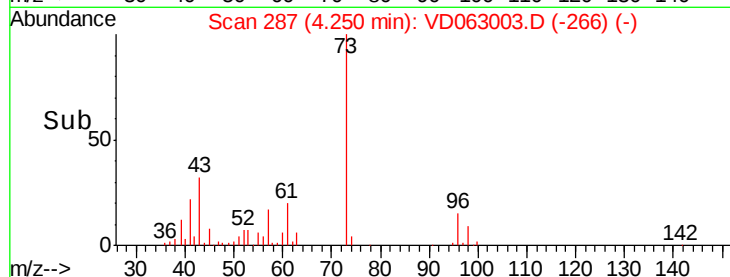
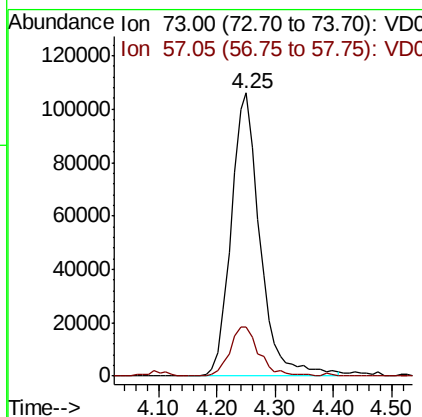
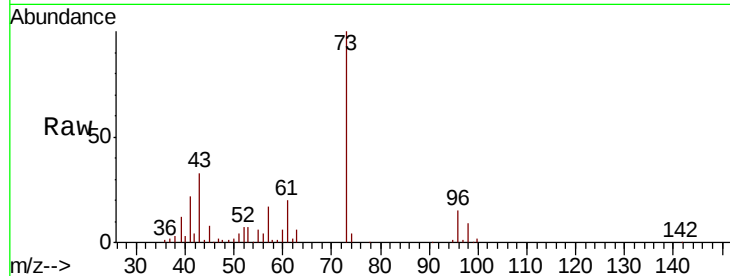


#19

Methyl tert-butyl Ether
 Concen: 22.501 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Instrument :
 MSVOA_D
 ClientSampled :

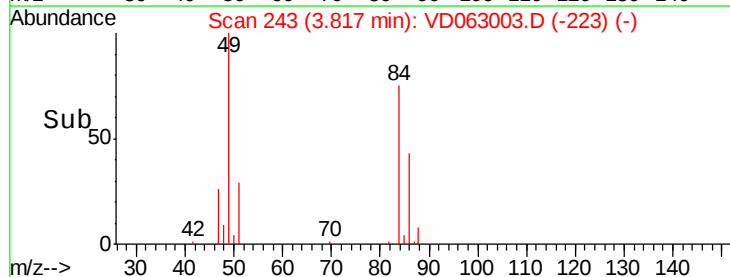
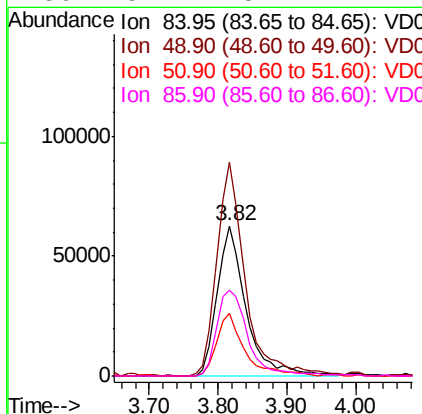
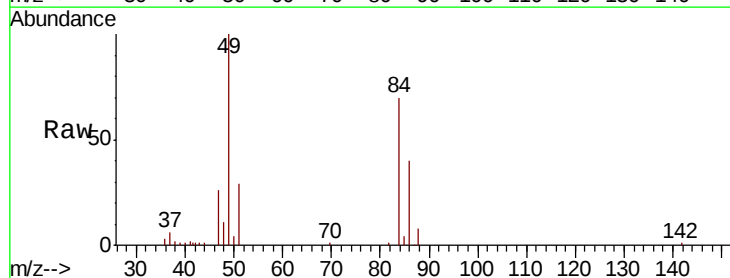
Tot Ion: 73 Resp: 365742
 Ion Ratio Lower Upper
 73 100
 57 17.3 14.3 21.5



#20

Methylene Chloride
 Concen: 23.175 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion: 84 Resp: 181762
 Ion Ratio Lower Upper
 84 100
 49 142.2 102.9 154.3
 51 41.7 31.2 46.8
 86 57.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.154 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

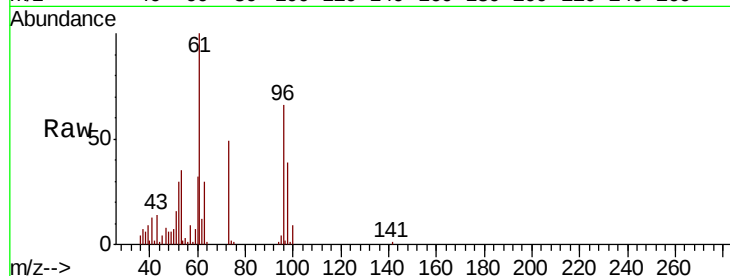
Tot Ion: 96 Resp: 177118

Ion Ratio Lower Upper

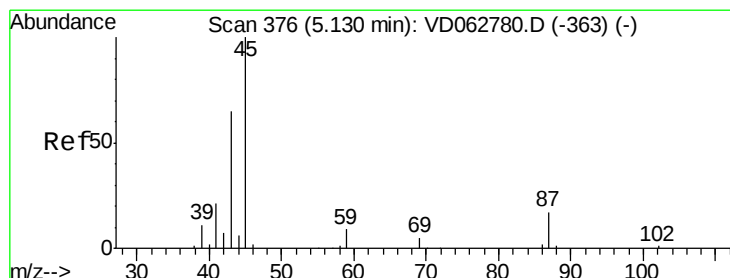
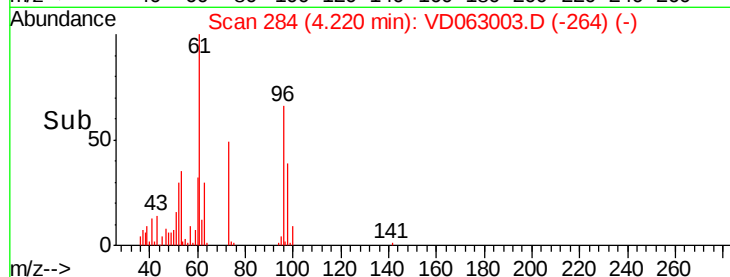
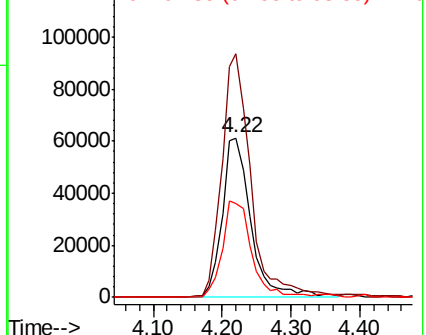
96 100

61 152.5 131.0 196.4

98 59.0 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: 20.946 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Tgt Ion: 45 Resp: 472589

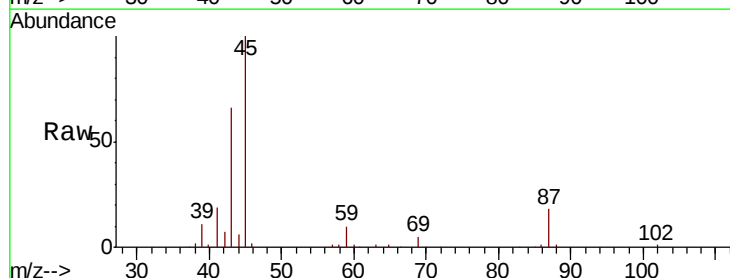
Ion Ratio Lower Upper

45 100

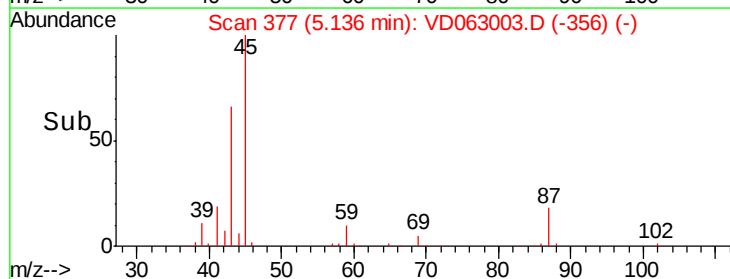
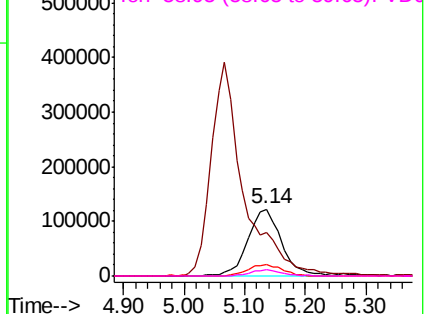
43 65.6 53.4 80.0

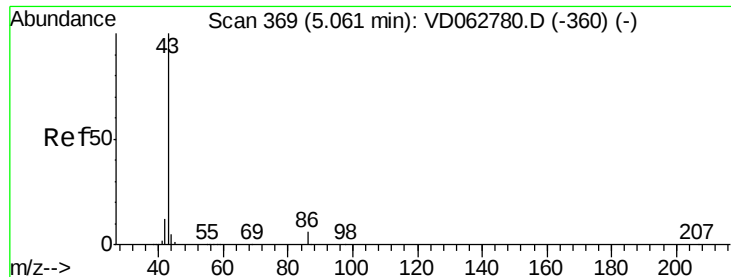
87 18.1 14.6 22.0

59 10.2 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: 103.176 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

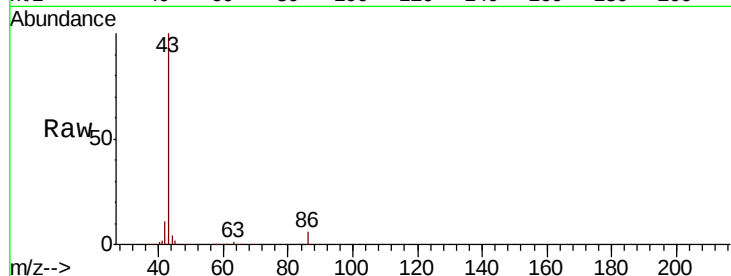
ClientSampleId :

Tot Ion: 43 Resp: 1456673

Ion Ratio Lower Upper

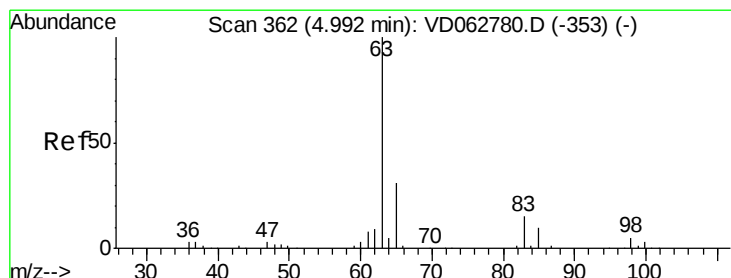
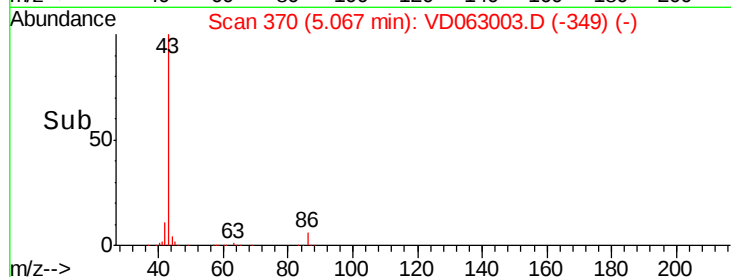
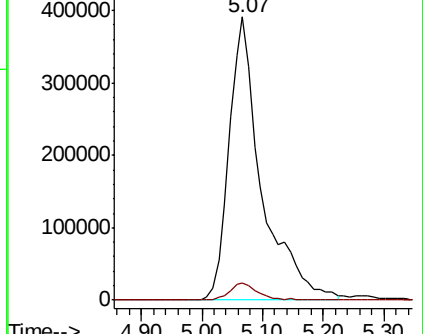
43 100

86 6.2 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.960 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

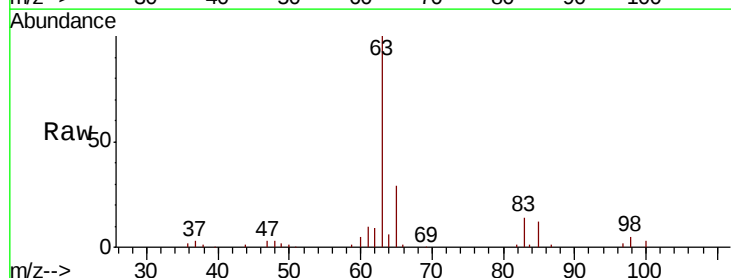
Tgt Ion: 63 Resp: 307898

Ion Ratio Lower Upper

63 100

98 5.1 2.3 6.9

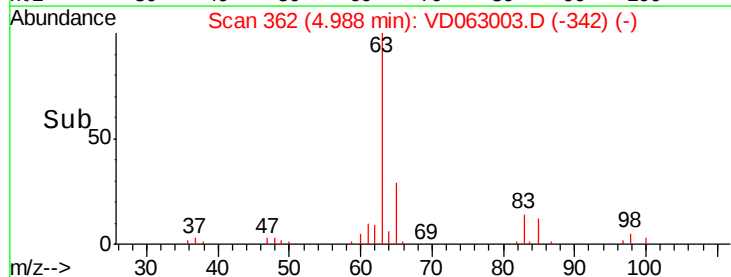
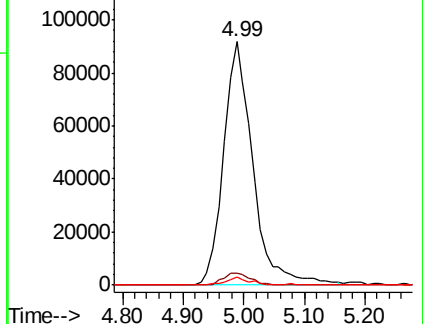
100 3.1 1.7 5.1

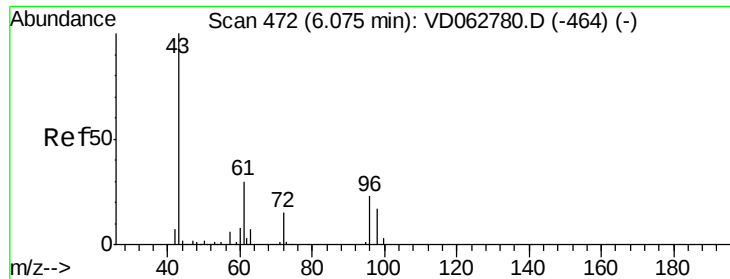


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.894 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

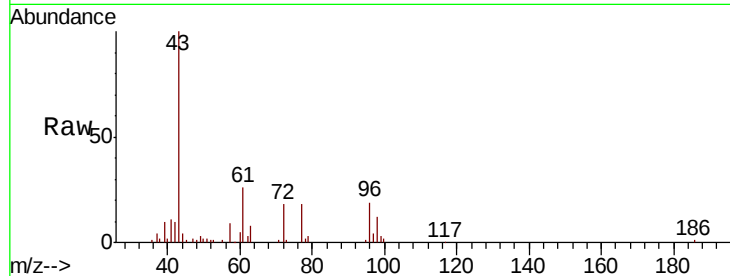
ClientSampleId :

Tot Ion: 43 Resp: 209445

Ion Ratio Lower Upper

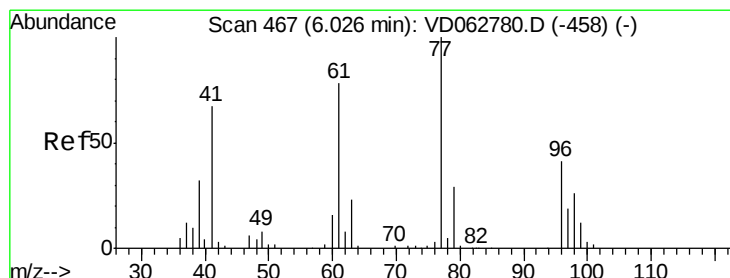
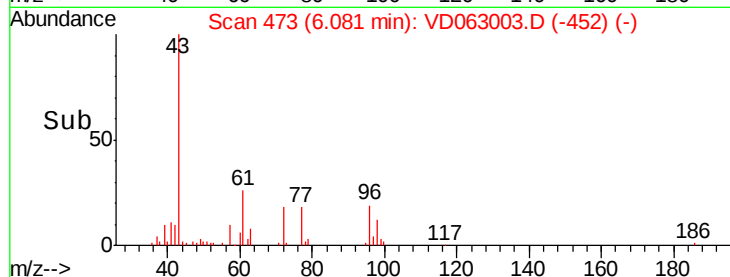
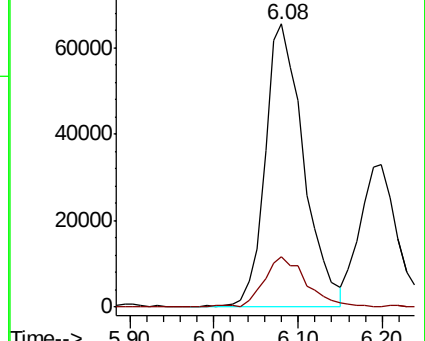
43 100

72 18.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.720 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063003.D

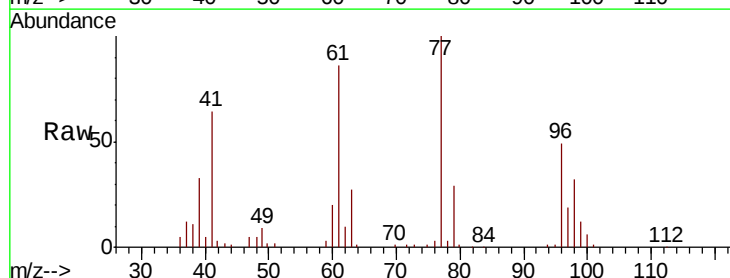
Acq: 2 Jul 2019 12:04

Tgt Ion: 77 Resp: 338189

Ion Ratio Lower Upper

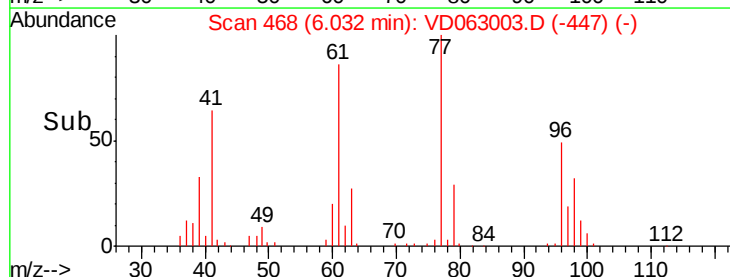
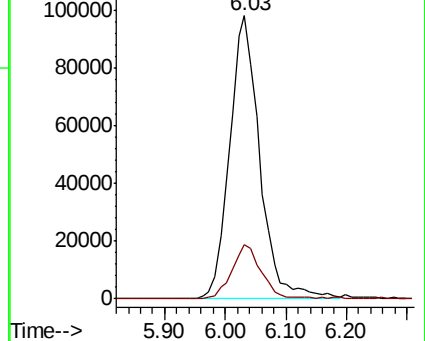
77 100

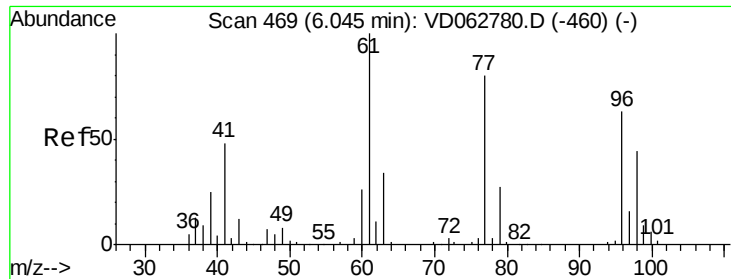
97 19.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



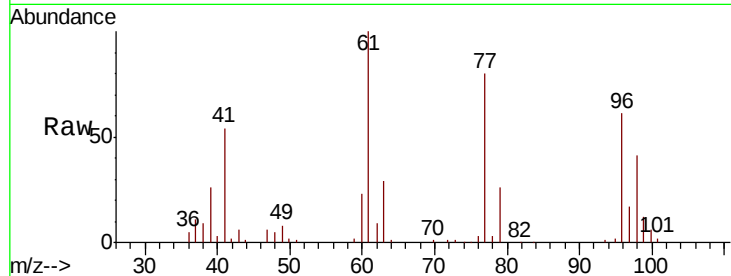


#27

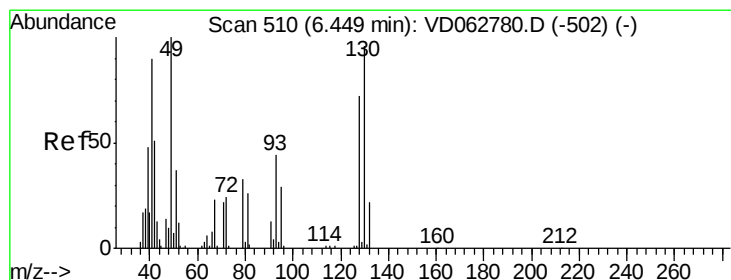
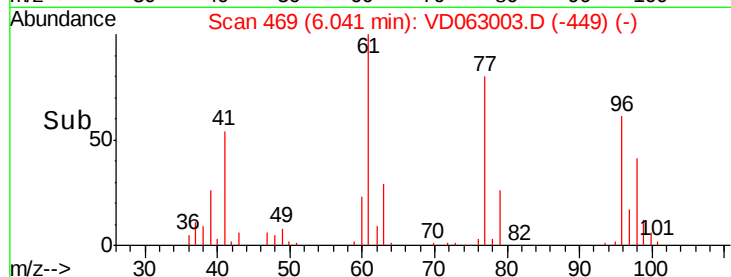
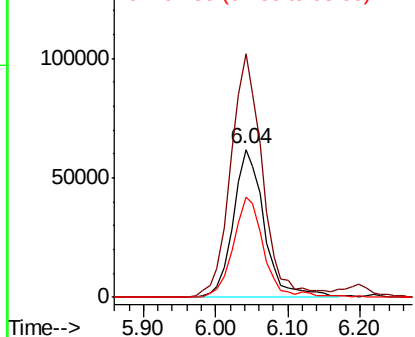
cis-1,2-Dichloroethene
Concen: 21.947 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 185552
Ion Ratio Lower Upper
96 100
61 164.4 0.0 316.0
98 67.5 0.0 138.4



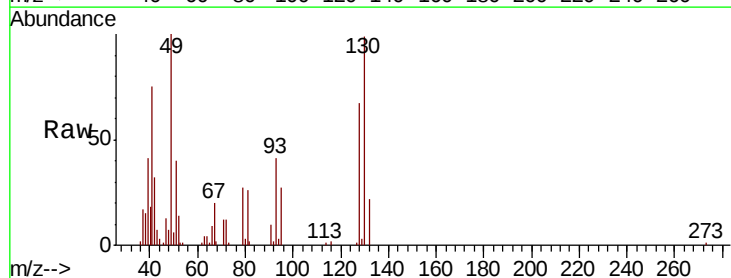
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



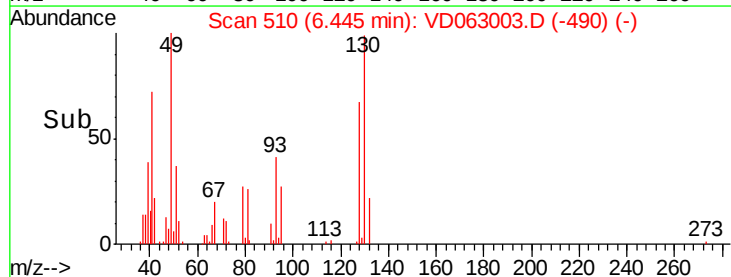
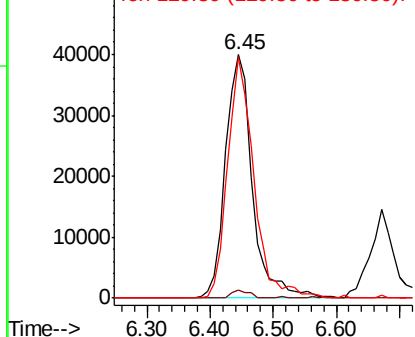
#28

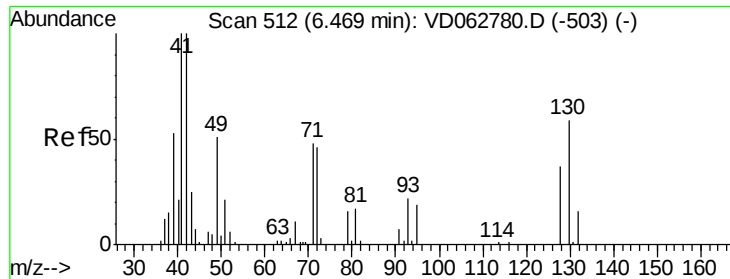
Bromochloromethane
Concen: 22.782 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion: 49 Resp: 117870
Ion Ratio Lower Upper
49 100
129 3.4 0.0 5.6
130 99.1 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: 111.152 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

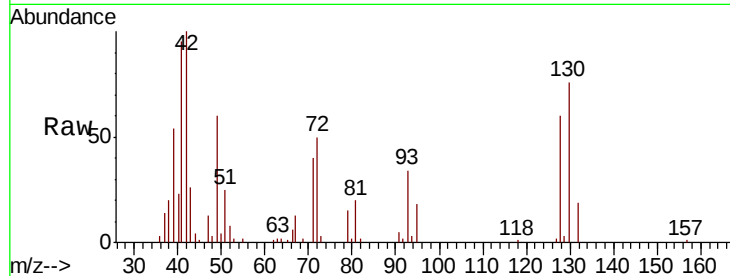
Tot Ion: 42 Resp: 101151

Ion Ratio Lower Upper

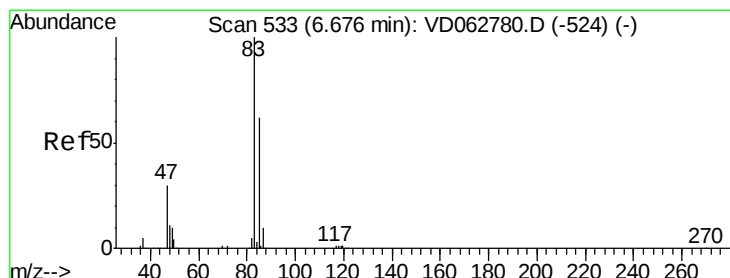
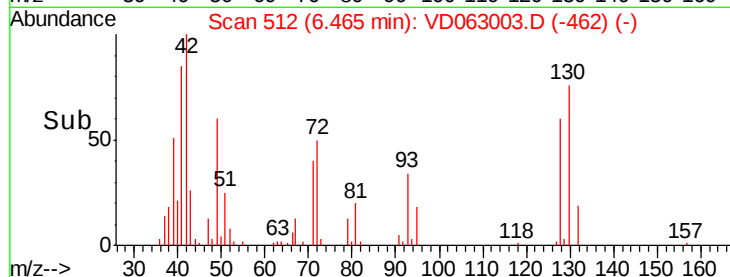
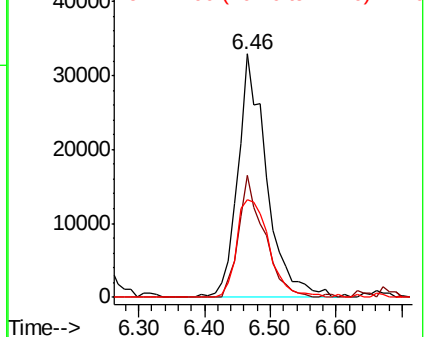
42 100

72 44.7 35.0 52.6

71 45.4 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.131 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063003.D

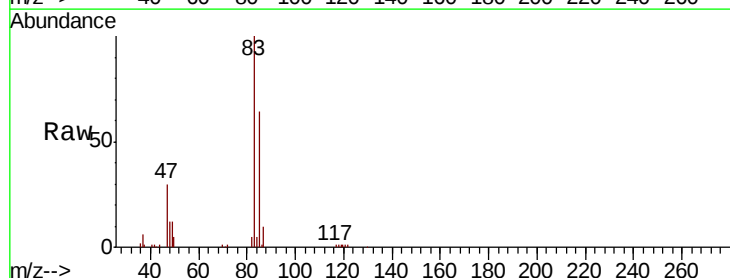
Acq: 2 Jul 2019 12:04

Tgt Ion: 83 Resp: 359639

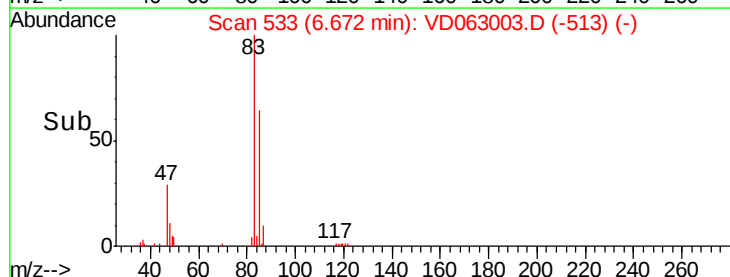
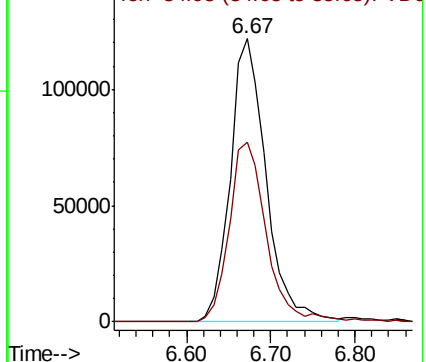
Ion Ratio Lower Upper

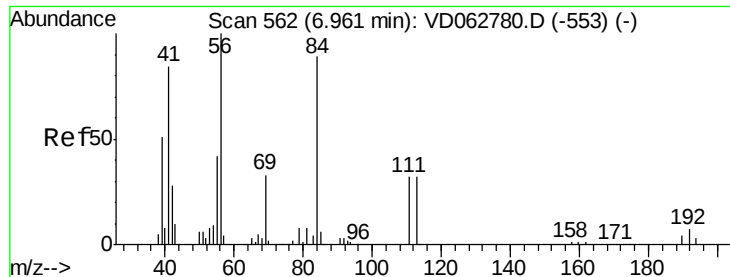
83 100

85 63.7 49.8 74.6



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





#31

Cvclohexane

Concen: 19.978 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

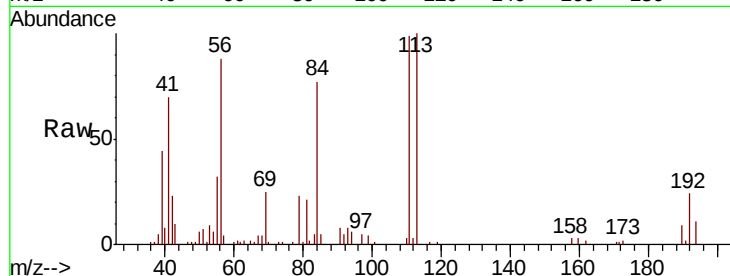
Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 192935

Ion	Ratio	Lower	Upper
56	100		
69	28.6	26.6	39.8
84	86.9	75.5	113.3

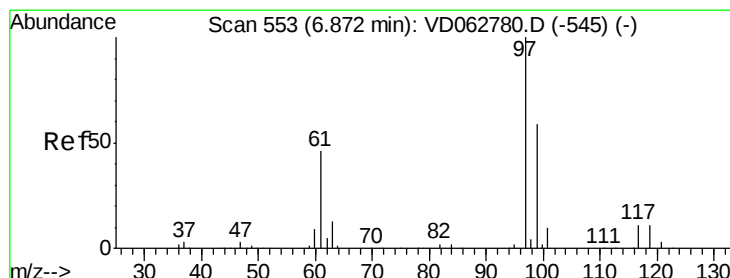
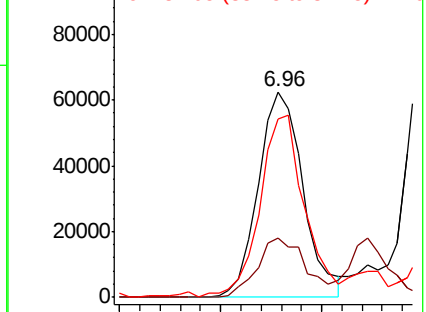
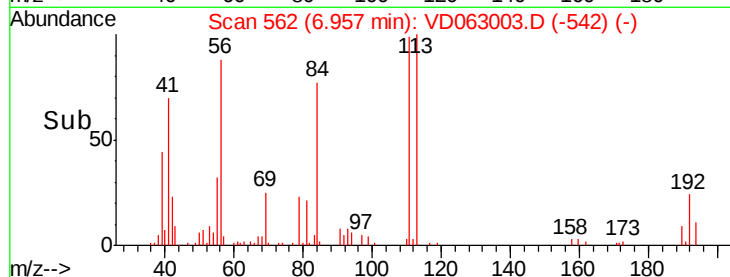


Abundance

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: 20.615 ug/l

RT: 6.88 min Scan# 554

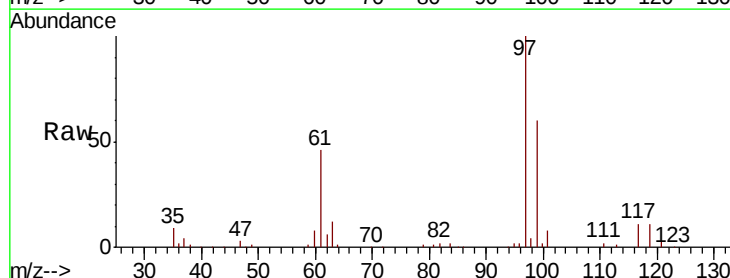
Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Tgt Ion: 97 Resp: 383598

Ion	Ratio	Lower	Upper
97	100		
99	60.2	47.4	71.2
61	46.3	37.2	55.8

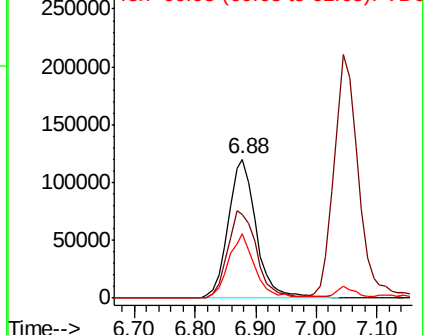
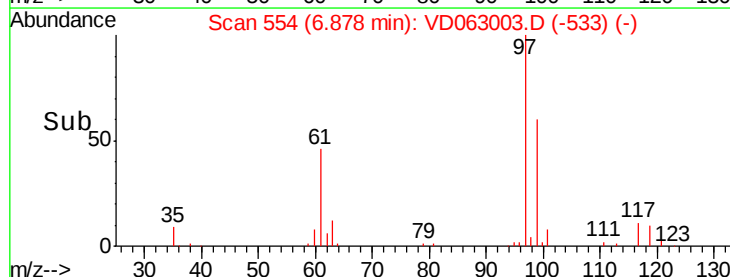


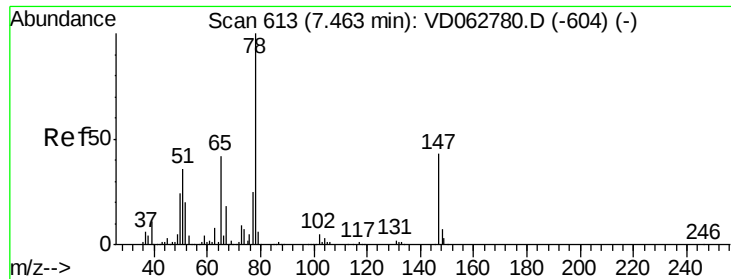
Abundance

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: 47.325 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

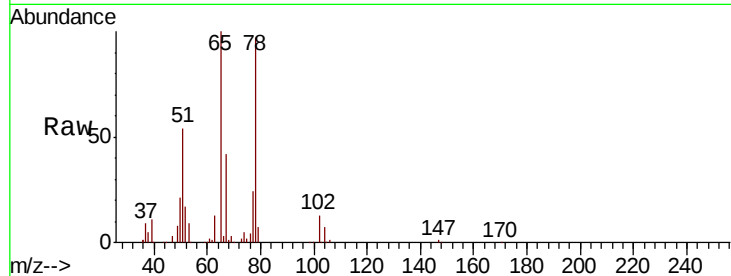
ClientSampleId :

Tot Ion: 65 Resp: 486685

Ion Ratio Lower Upper

65 100

67 41.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

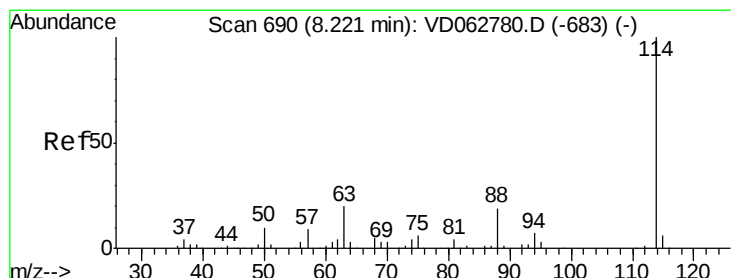
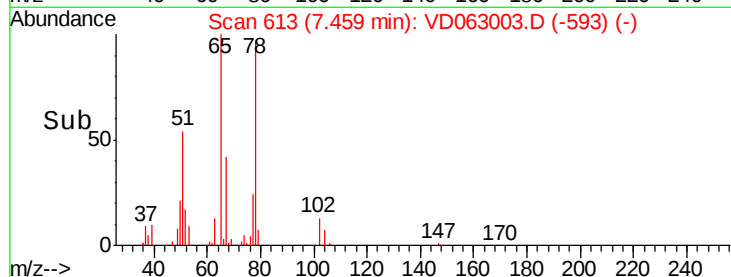
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

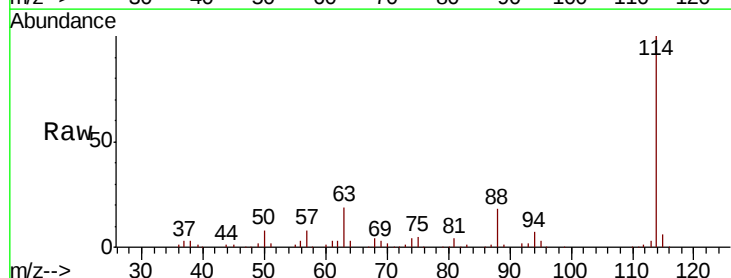
Tgt Ion: 114 Resp: 1265729

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 18.3 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

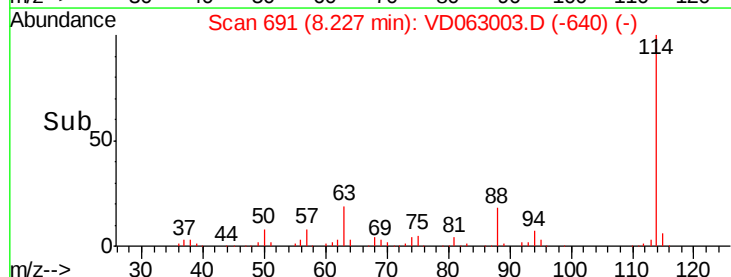
600000

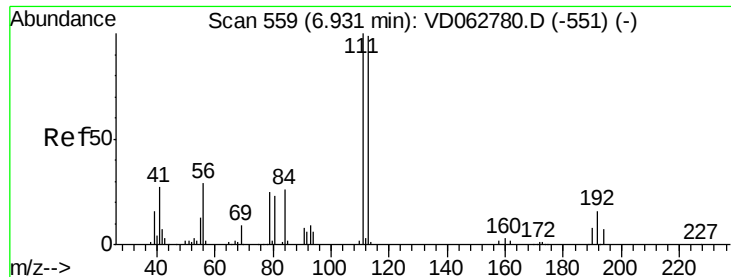
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.462 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

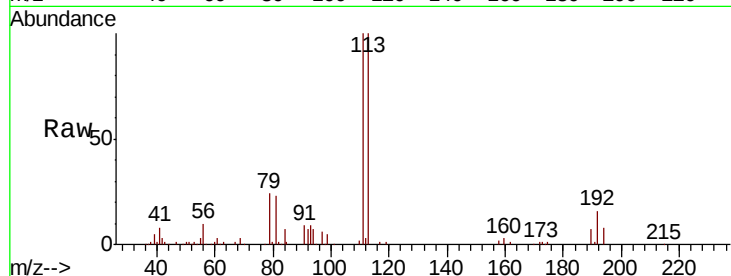
Tot Ion:113 Resp: 527883

Ion Ratio Lower Upper

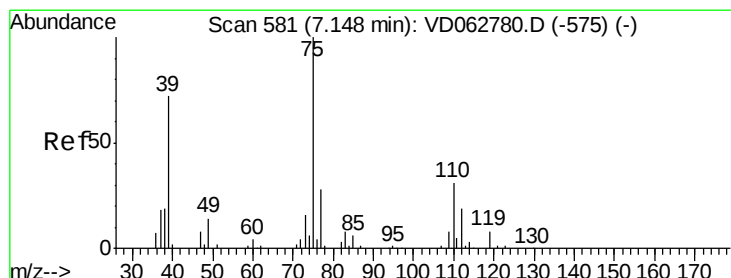
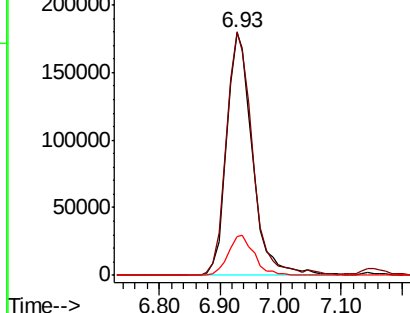
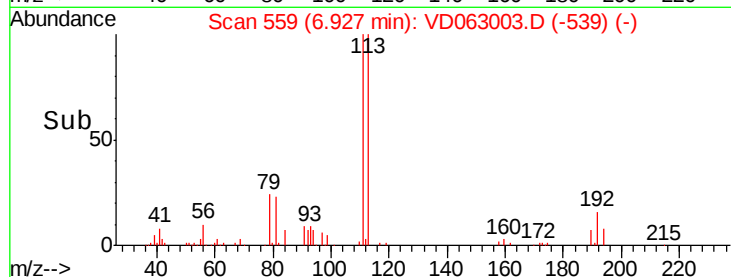
113 100

111 100.5 81.2 121.8

192 16.0 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: 20.154 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

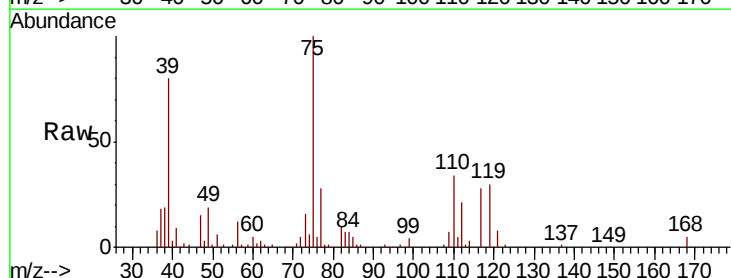
Tgt Ion: 75 Resp: 241483

Ion Ratio Lower Upper

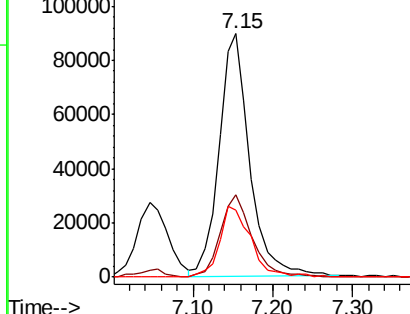
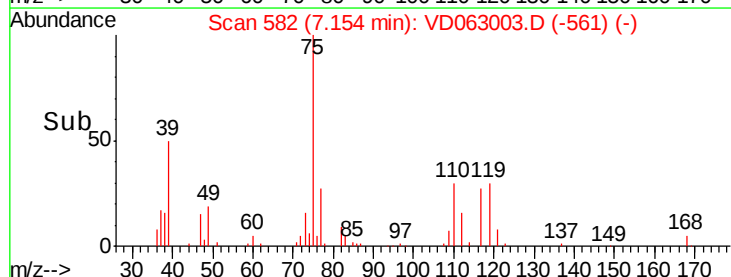
75 100

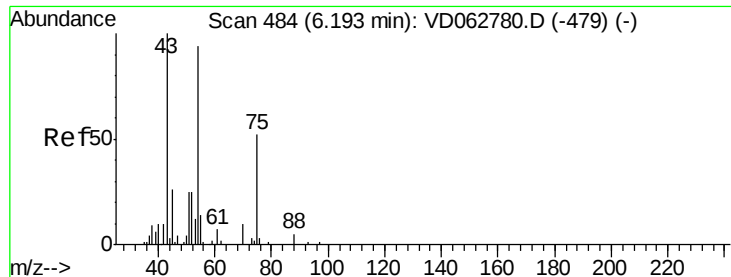
110 34.0 15.0 45.1

77 27.6 22.2 33.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

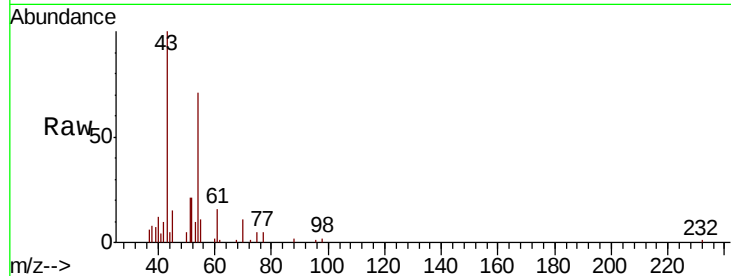




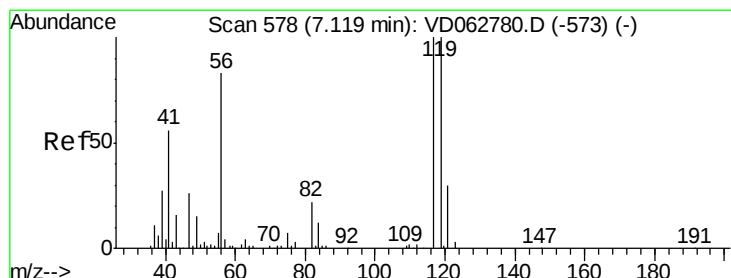
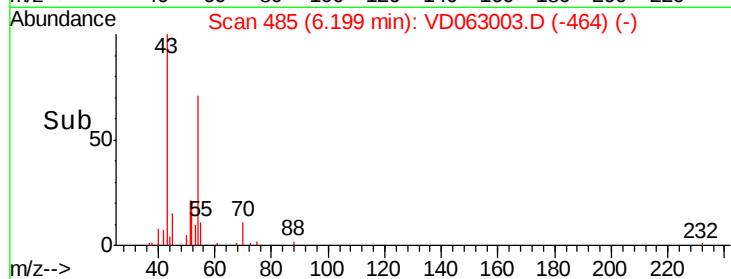
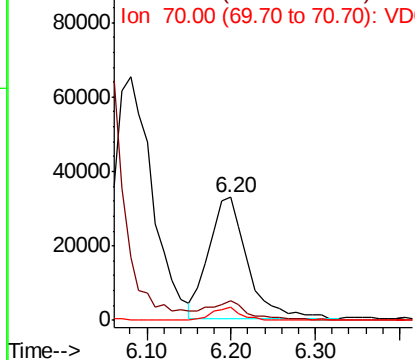
#37
Ethyl Acetate
Concen: 20.118 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 104573
Ion Ratio Lower Upper
43 100
61 16.2 11.6 17.4
70 10.6 6.4 9.6#

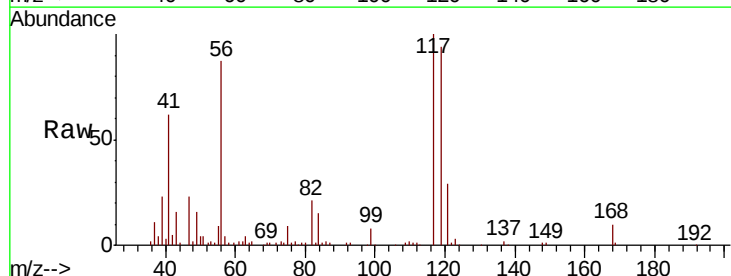


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

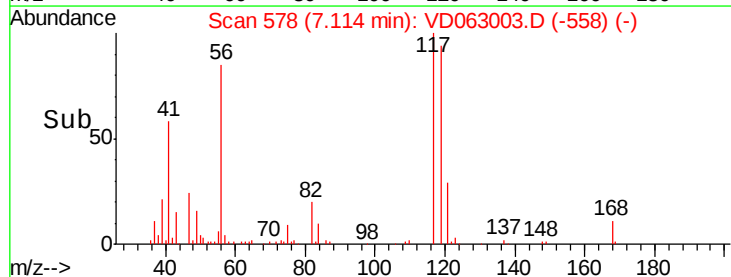
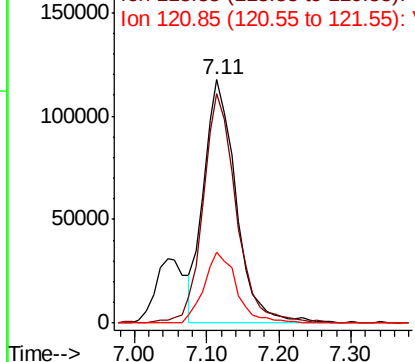


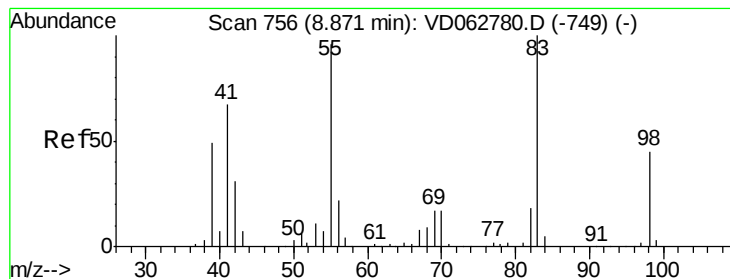
#38
Carbon Tetrachloride
Concen: 20.038 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion: 117 Resp: 361084
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.2
121 28.9 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 19.979 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :

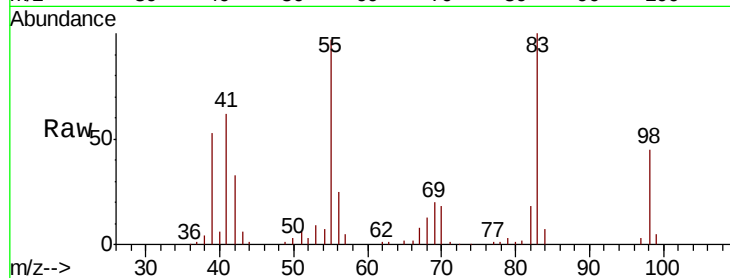
Tot Ion: 83 Resp: 210715

Ion Ratio Lower Upper

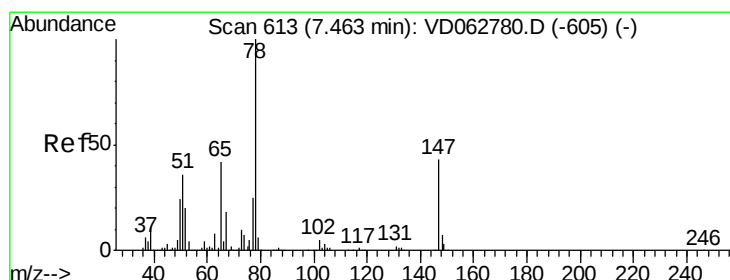
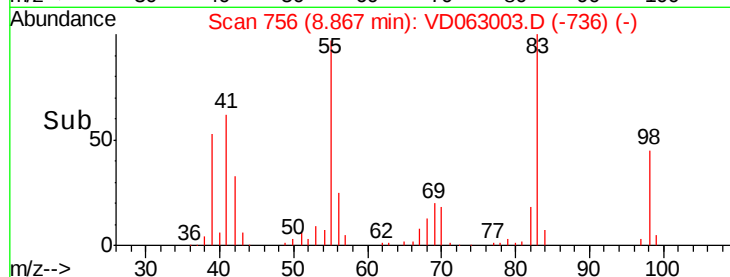
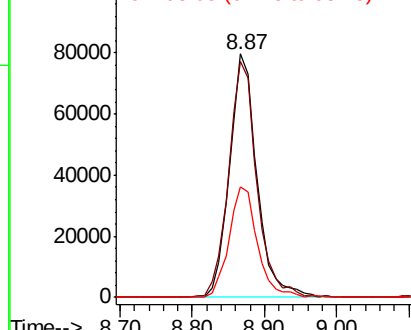
83 100

55 96.9 76.6 115.0

98 45.2 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: 21.019 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063003.D

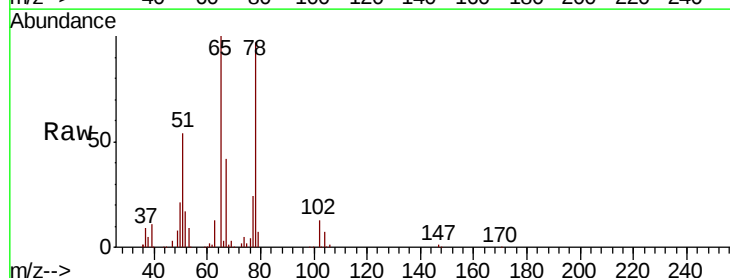
Acq: 2 Jul 2019 12:04

Tgt Ion: 78 Resp: 505532

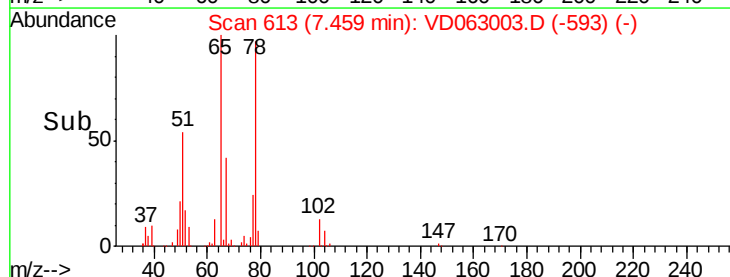
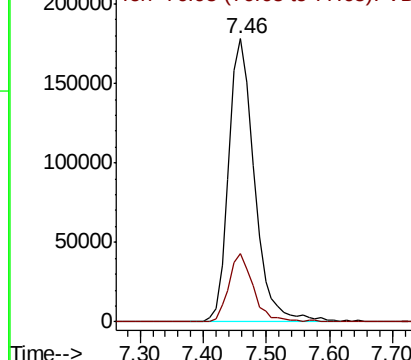
Ion Ratio Lower Upper

78 100

77 24.3 20.2 30.2



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

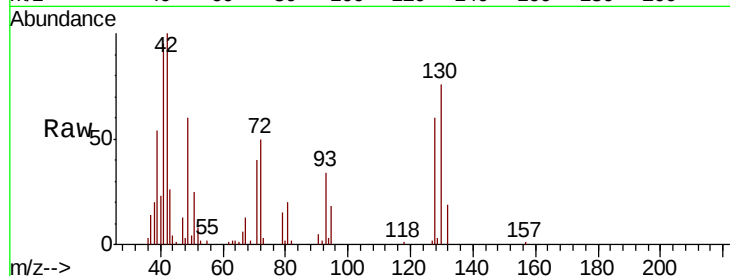




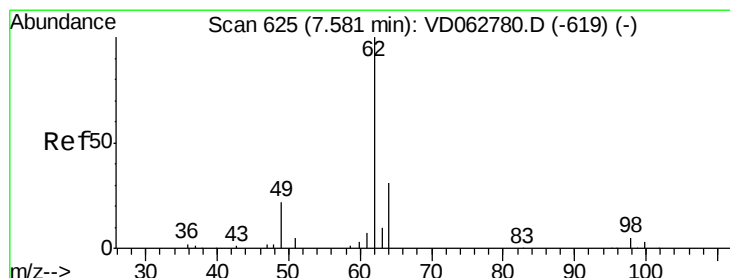
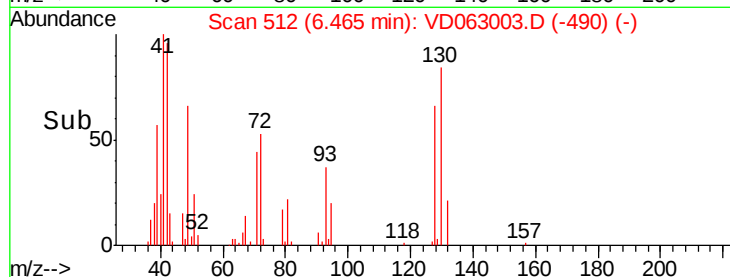
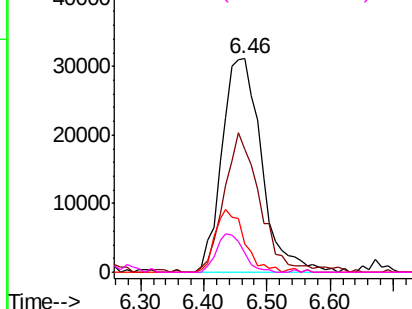
#41
Methacrylonitrile
Concen: 21.490 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 135794
Ion Ratio Lower Upper
41 100
39 57.3 43.2 64.8
67 13.4 19.9 29.9#
52 8.7 10.2 15.4#

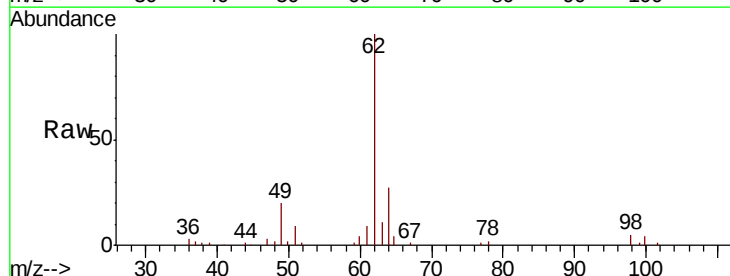


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

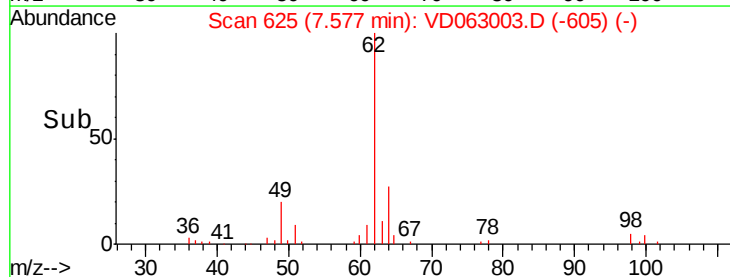
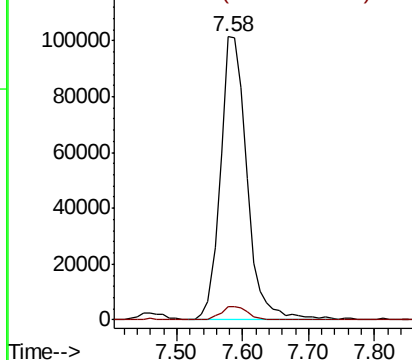


#42
1,2-Dichloroethane
Concen: 21.824 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion: 62 Resp: 286340
Ion Ratio Lower Upper
62 100
98 4.8 0.0 10.0



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



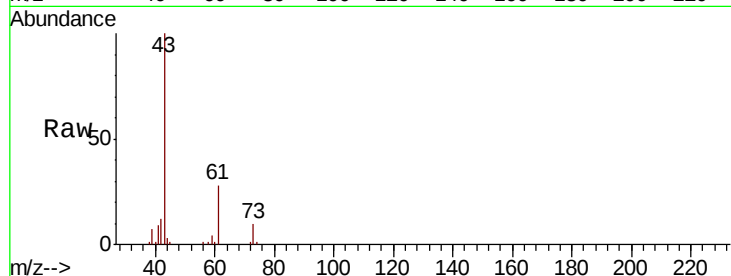


#43

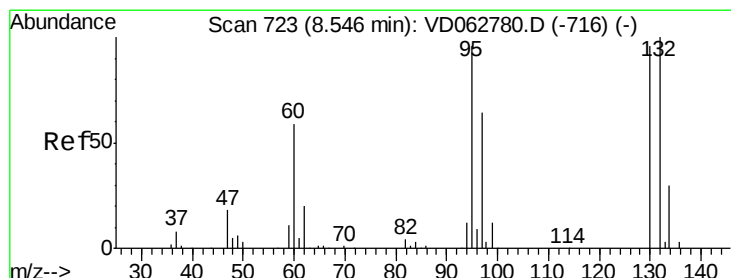
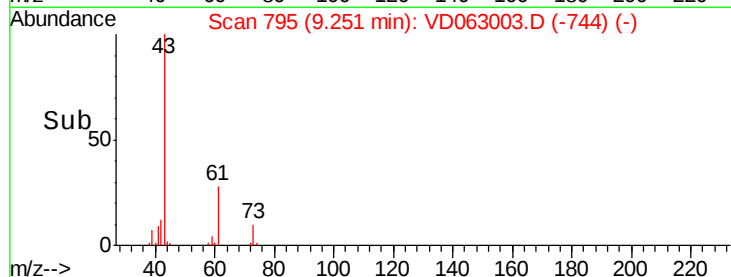
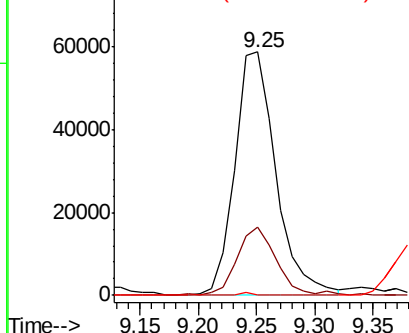
Isopropyl Acetate
 Concen: 22.846 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 143513
 Ion Ratio Lower Upper
 43 100
 61 27.8 22.4 33.6
 87 0.0 0.3 0.5#



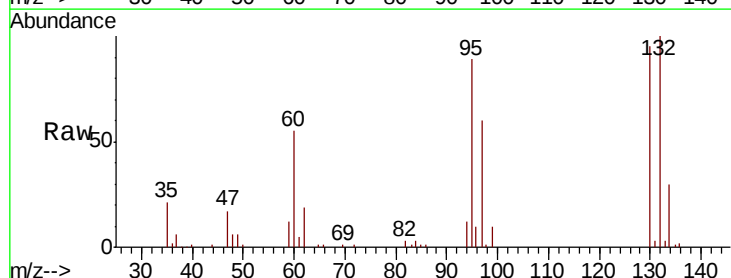
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



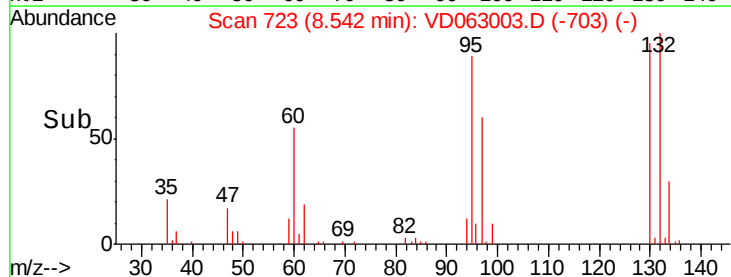
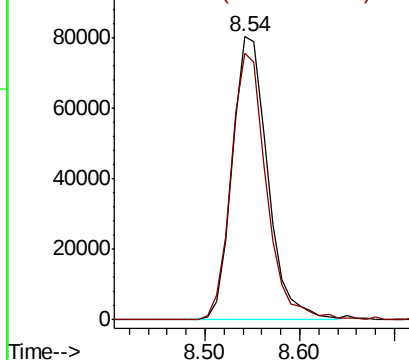
#44

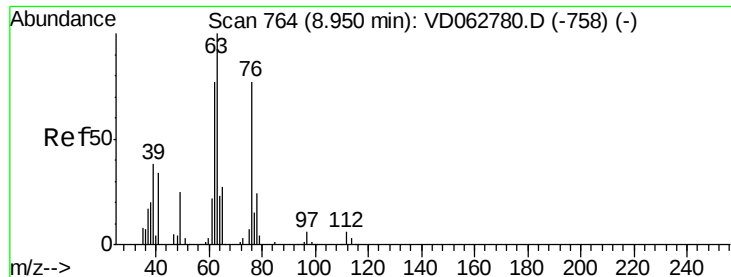
Trichloroethene
 Concen: 21.997 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion:130 Resp: 207416
 Ion Ratio Lower Upper
 130 100
 95 94.4 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: 21.437 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

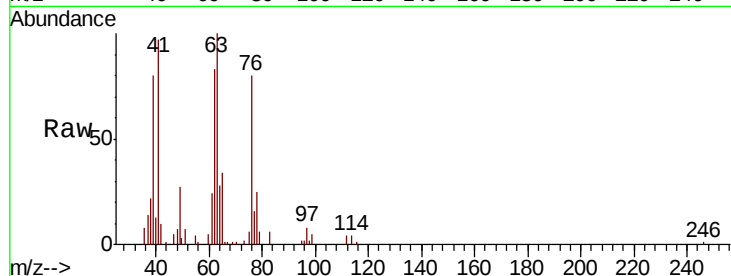
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 128203

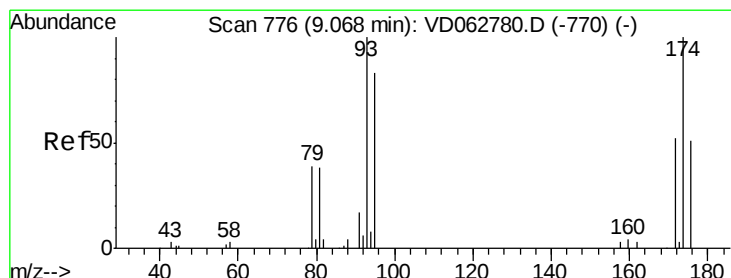
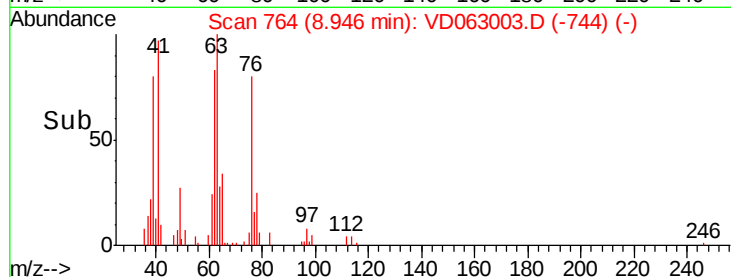
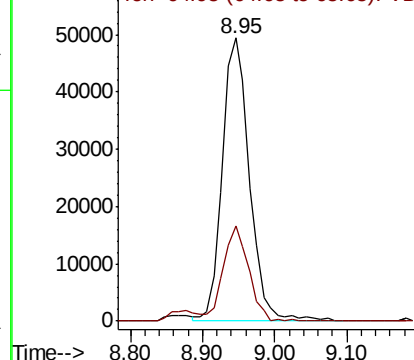
Ion Ratio Lower Upper

63 100

65 33.5 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: 21.314 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

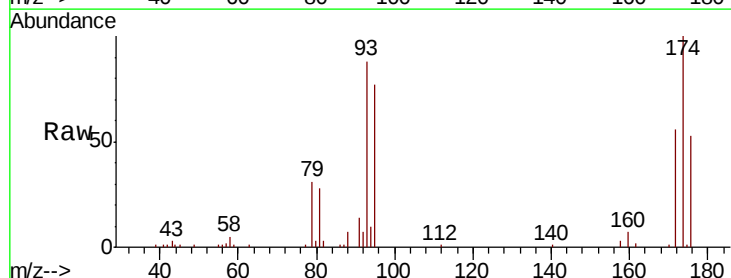
Tgt Ion: 93 Resp: 109499

Ion Ratio Lower Upper

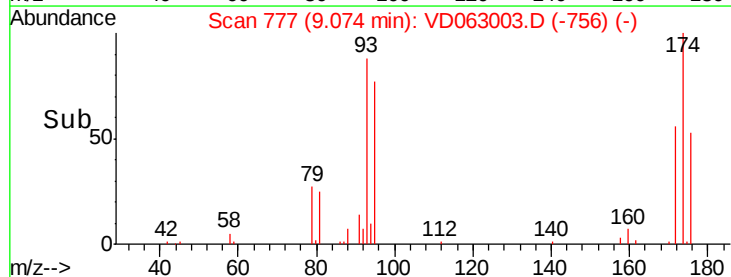
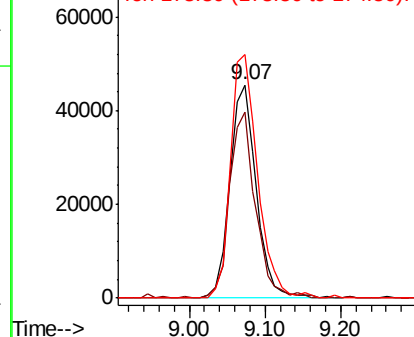
93 100

95 87.5 66.6 100.0

174 114.2 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: 22.171 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

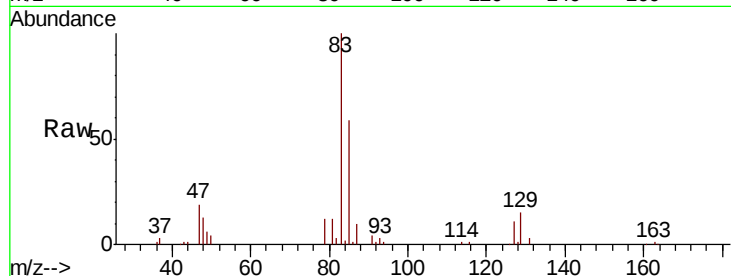
Tot Ion: 83 Resp: 295815

Ion Ratio Lower Upper

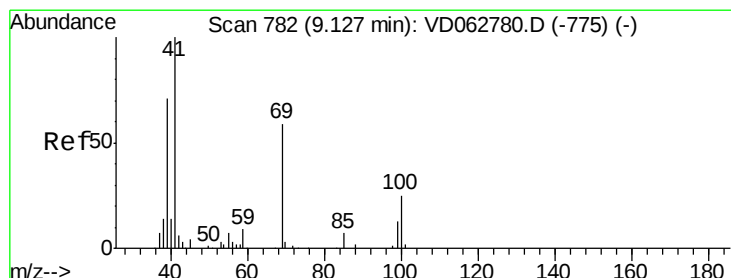
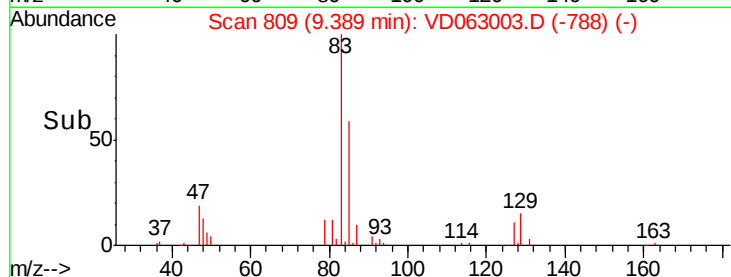
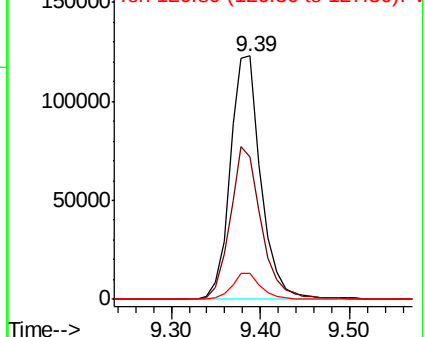
83 100

85 58.7 51.6 77.4

127 10.8 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: 23.785 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

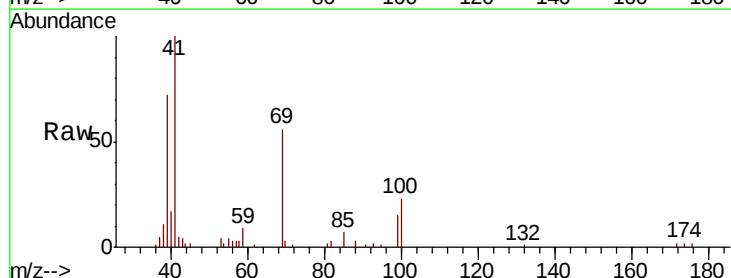
Tgt Ion: 41 Resp: 106175

Ion Ratio Lower Upper

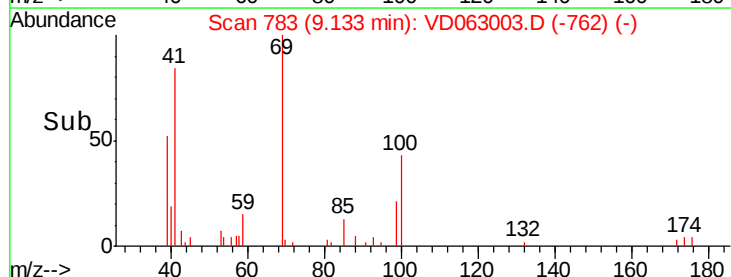
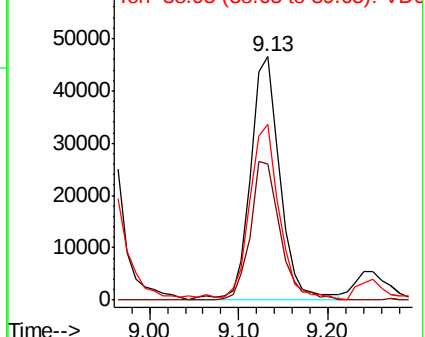
41 100

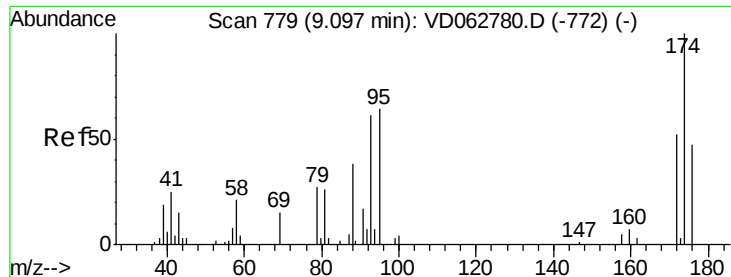
69 55.9 47.2 70.8

39 72.2 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: 560.143 ug/l

RT: 9.10 min Scan# 780

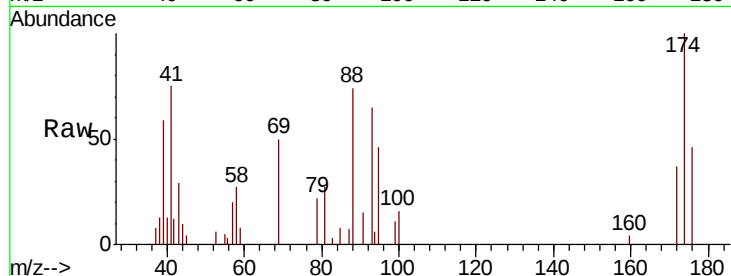
Delta R.T. 0.01 min

Lab File: VD063003.D

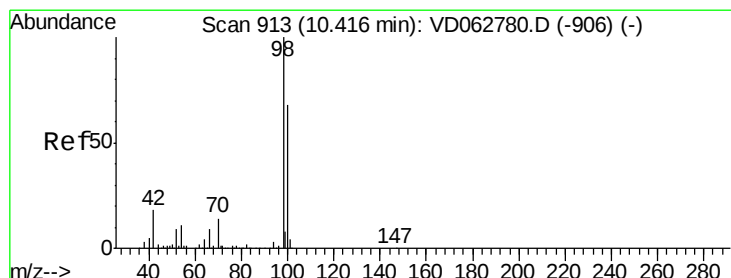
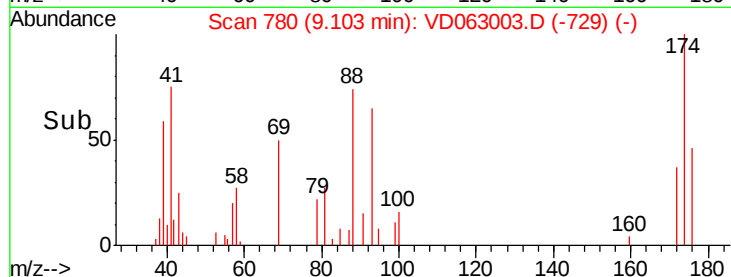
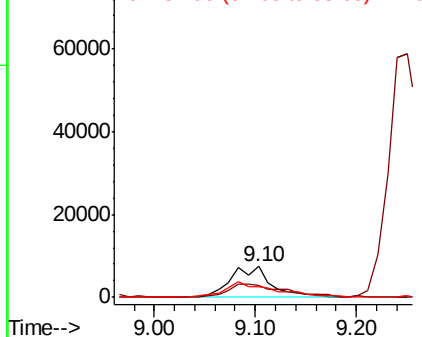
Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 20803
Ion Ratio Lower Upper
88 100
43 38.9 32.1 48.1
58 36.1 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: 49.164 ug/l

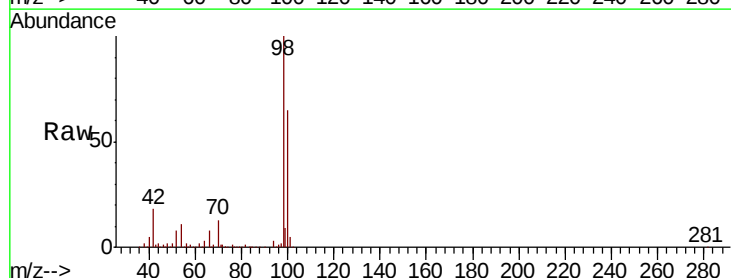
RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

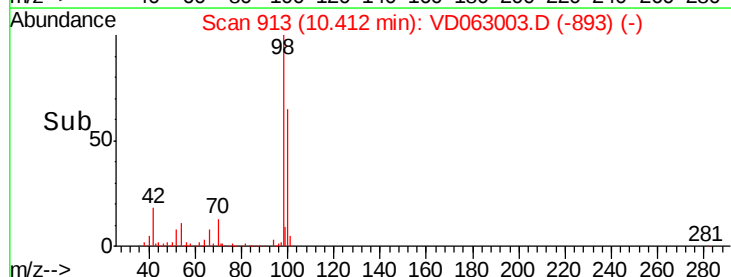
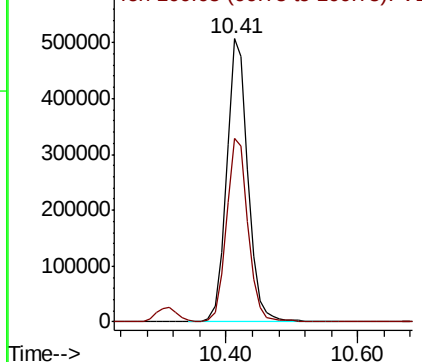
Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Tgt Ion: 98 Resp: 1141996
Ion Ratio Lower Upper
98 100
100 65.0 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: 115.852 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

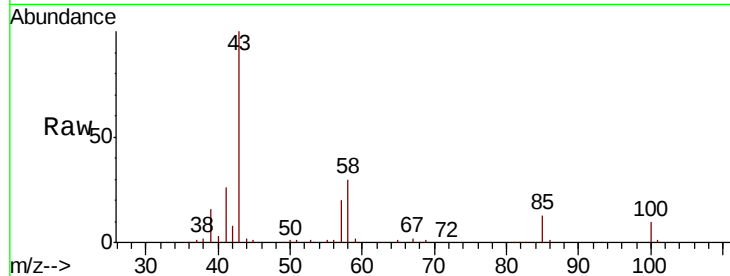
ClientSampled :

Tot Ion: 43 Resp: 515972

Ion Ratio Lower Upper

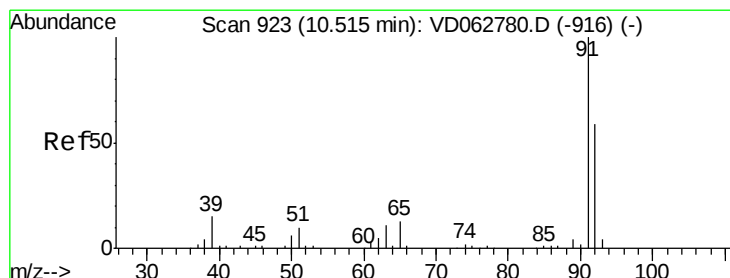
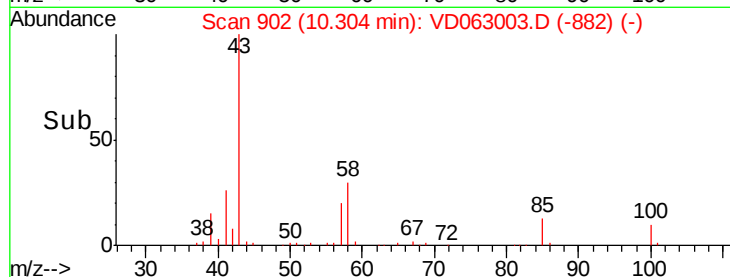
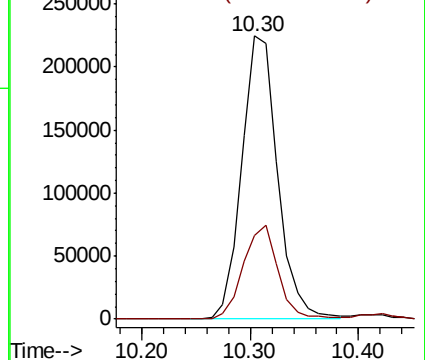
43 100

58 29.6 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.581 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD063003.D

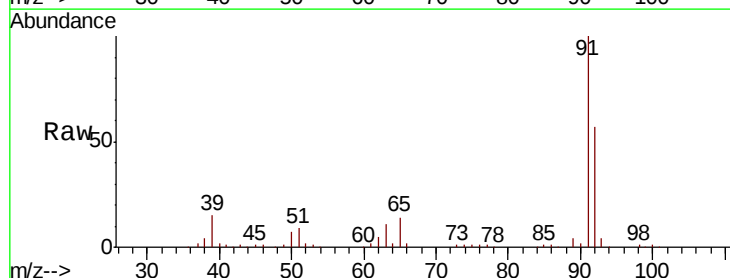
Acq: 2 Jul 2019 12:04

Tgt Ion: 92 Resp: 348912

Ion Ratio Lower Upper

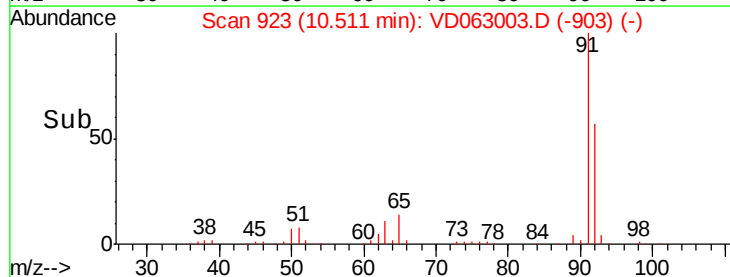
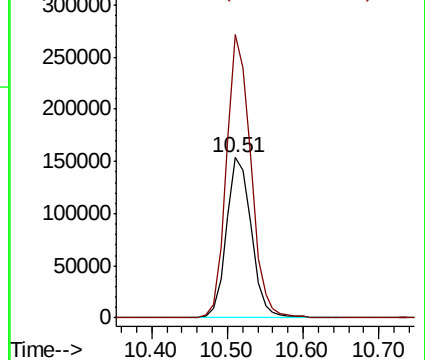
92 100

91 176.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

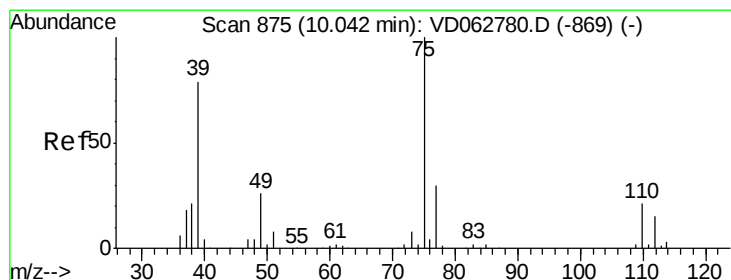
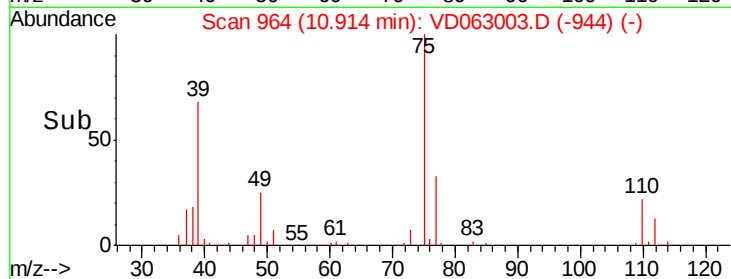
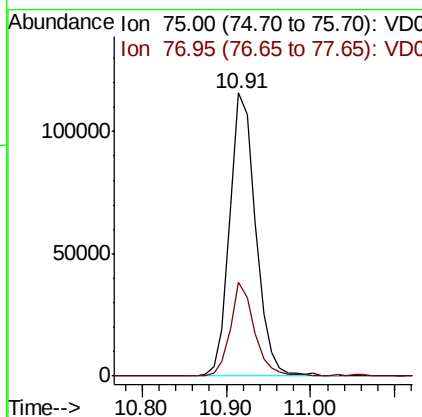
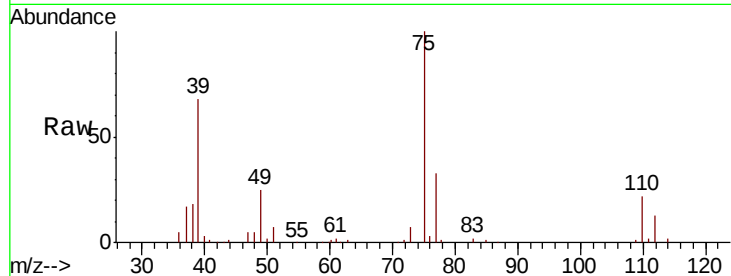




#53
t-1,3-Dichloropropene
Concen: 22.837 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

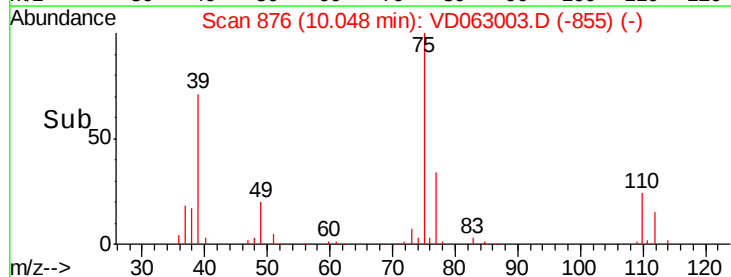
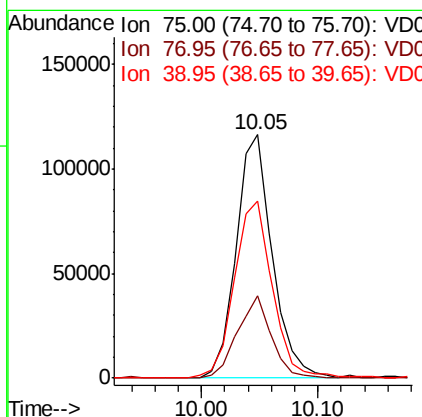
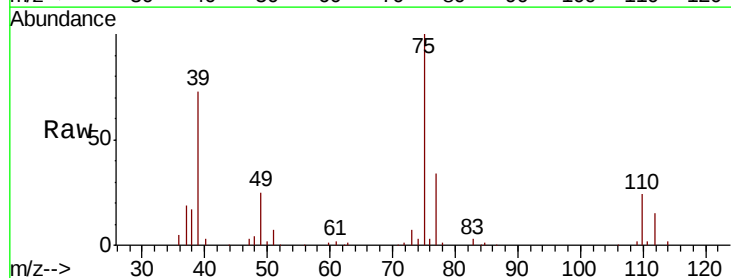
Instrument :
MSVOA_D
ClientSampleId :

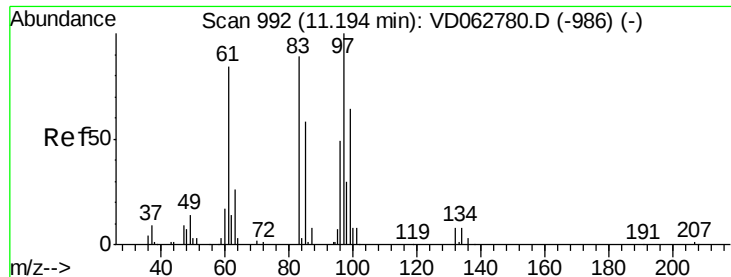
Tot Ion: 75 Resp: 249394
Ion Ratio Lower Upper
75 100
77 33.2 23.2 34.8



#54
cis-1,3-Dichloropropene
Concen: 20.986 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.01 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion: 75 Resp: 249100
Ion Ratio Lower Upper
75 100
77 33.7 24.2 36.2
39 72.7 63.5 95.3



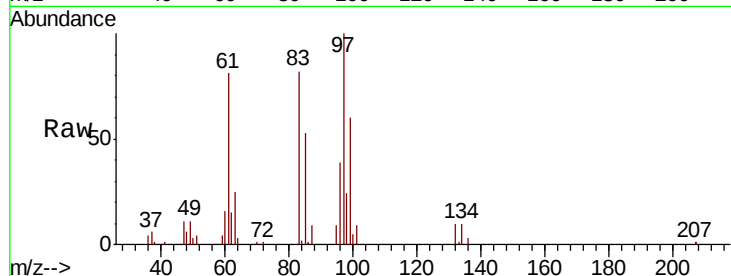


#55
 1,1,2-Trichloroethane
 Concen: 21.585 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

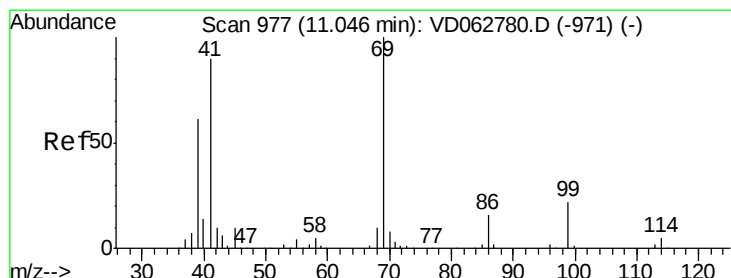
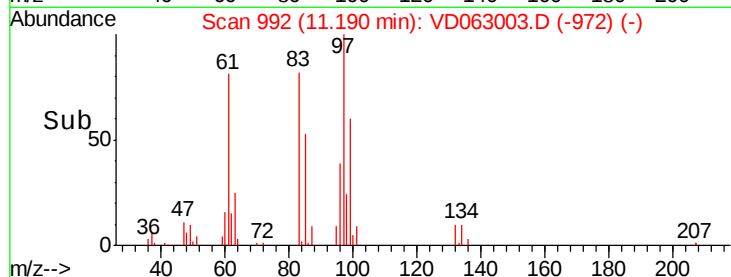
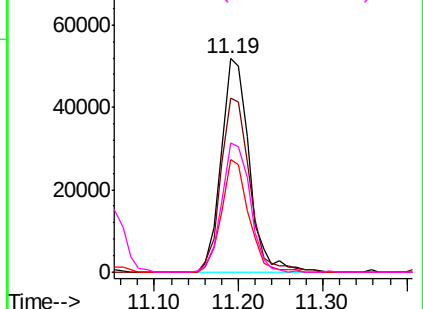
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 119894

Ion	Ratio	Lower	Upper
97	100		
83	81.6	71.0	106.4
85	52.5	46.6	69.8
99	60.4	51.4	77.0



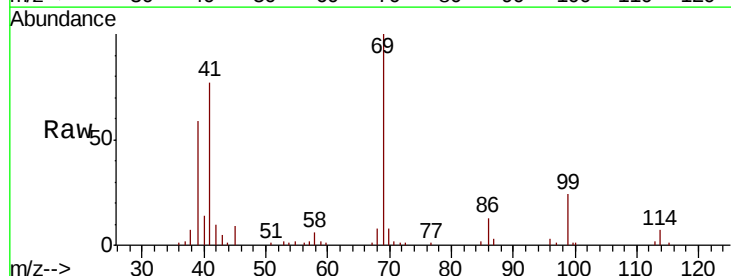
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



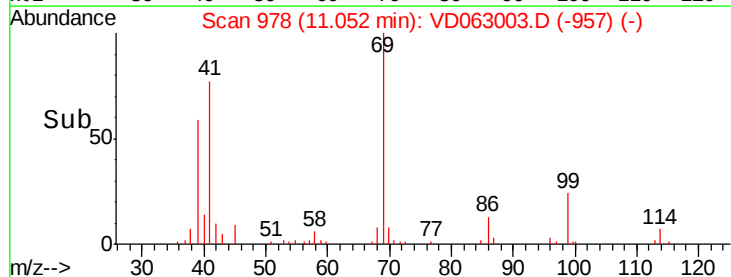
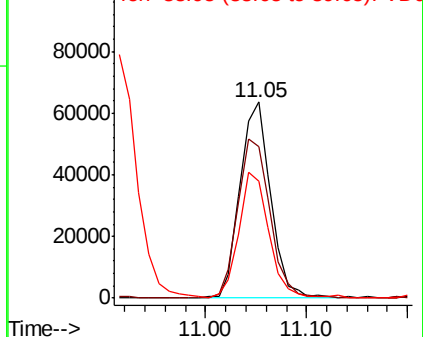
#56
 Ethyl methacrylate
 Concen: 22.650 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

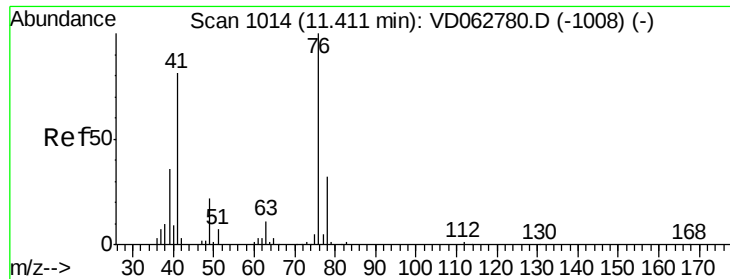
Tgt Ion: 69 Resp: 134449

Ion	Ratio	Lower	Upper
69	100		
41	77.1	72.0	108.0
39	59.5	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: 21.102 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

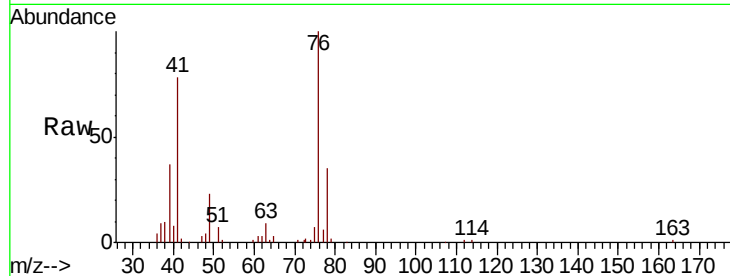
ClientSampled :

Tot Ion: 76 Resp: 179472

Ion Ratio Lower Upper

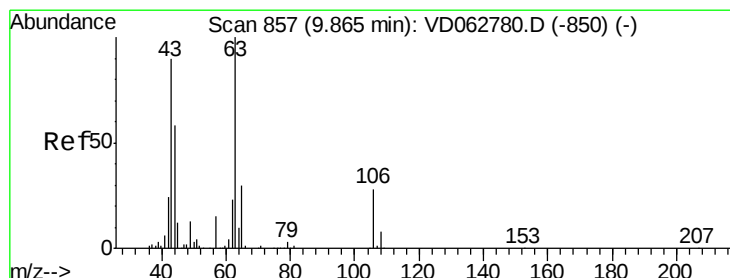
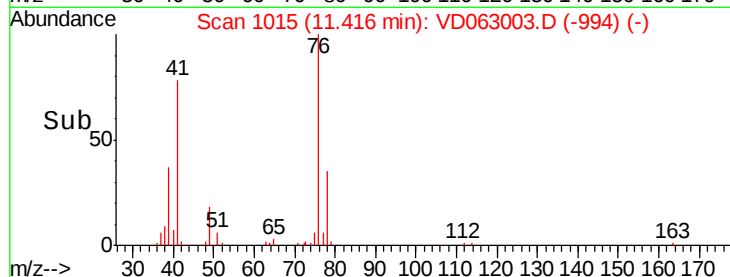
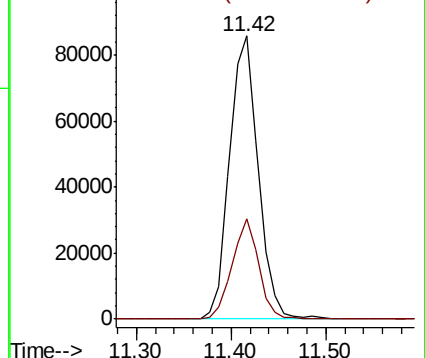
76 100

78 35.4 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: 110.168 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063003.D

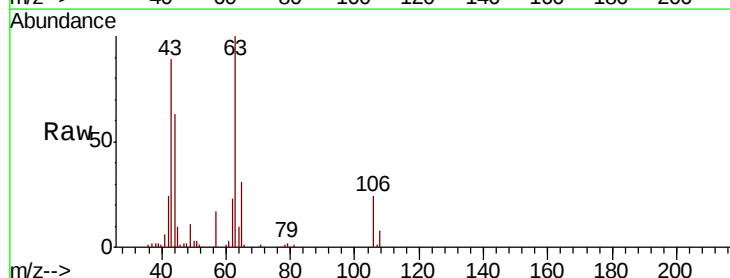
Acq: 2 Jul 2019 12:04

Tgt Ion: 63 Resp: 335732

Ion Ratio Lower Upper

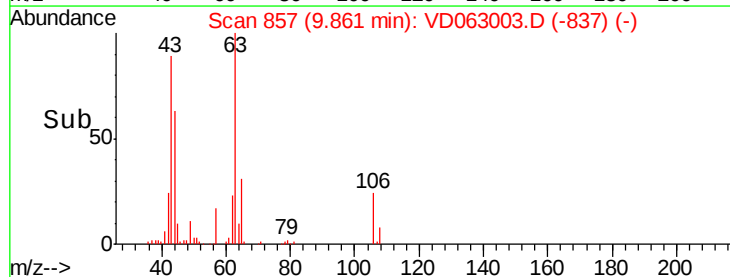
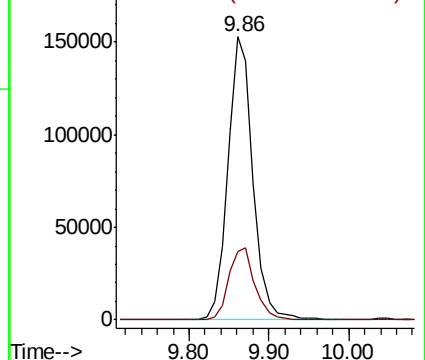
63 100

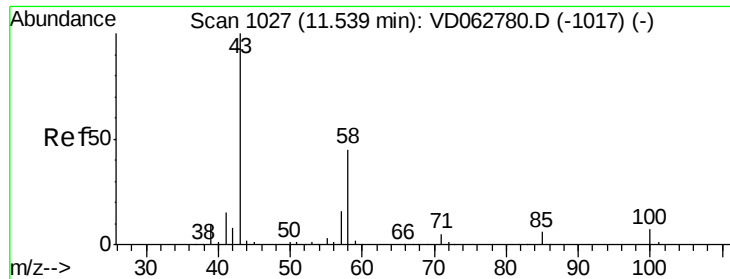
106 24.3 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

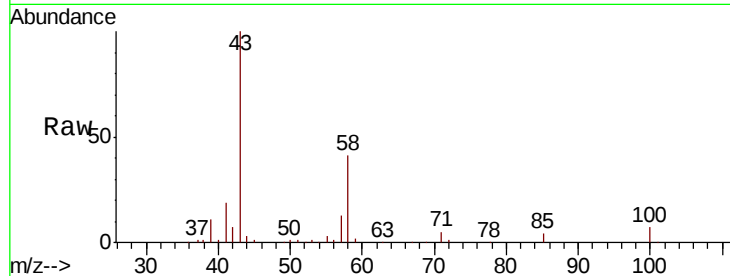




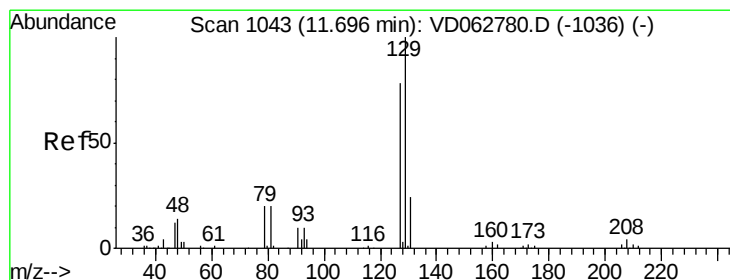
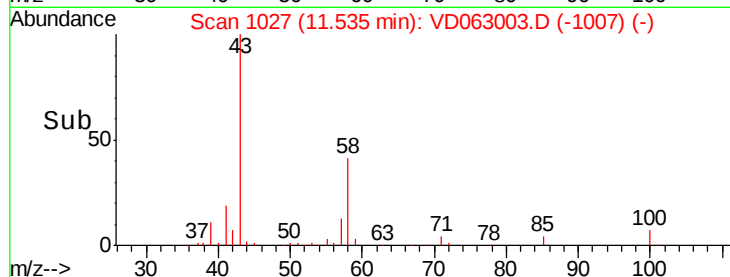
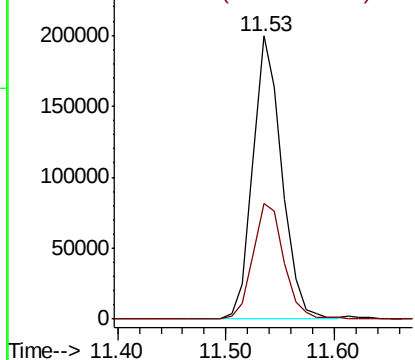
#59
2-Hexanone
Concen: 116.782 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 370419
Ion Ratio Lower Upper
43 100
58 41.0 22.4 67.2

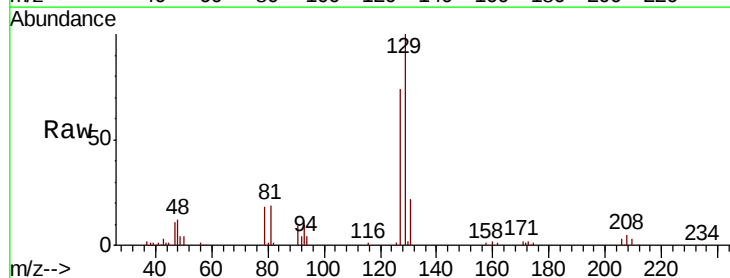


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

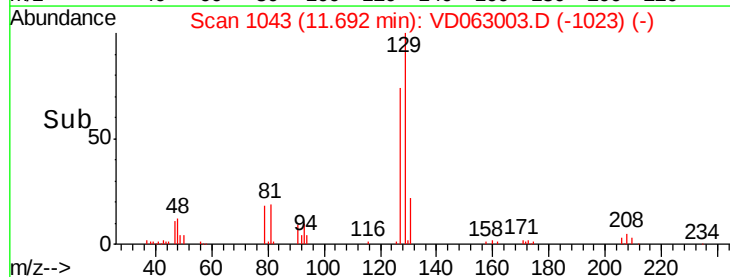
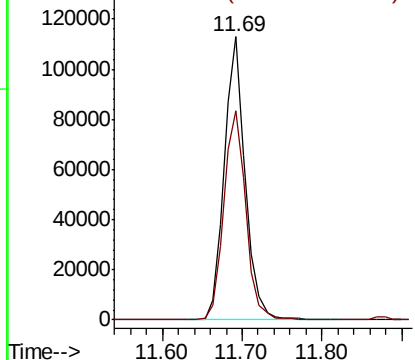


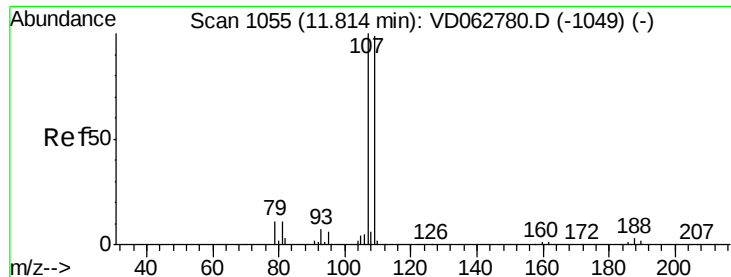
#60
Dibromochloromethane
Concen: 20.228 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion:129 Resp: 209284
Ion Ratio Lower Upper
129 100
127 73.8 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.910 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

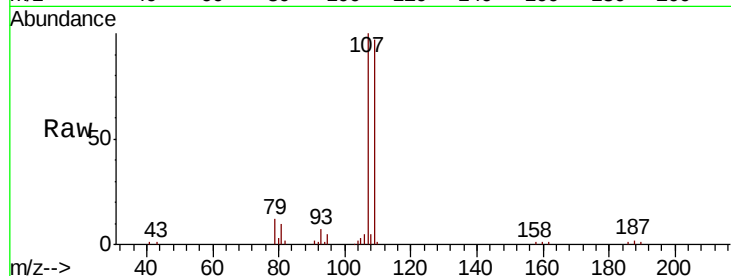
ClientSampled :

Tot Ion:107 Resp: 150294

Ion Ratio Lower Upper

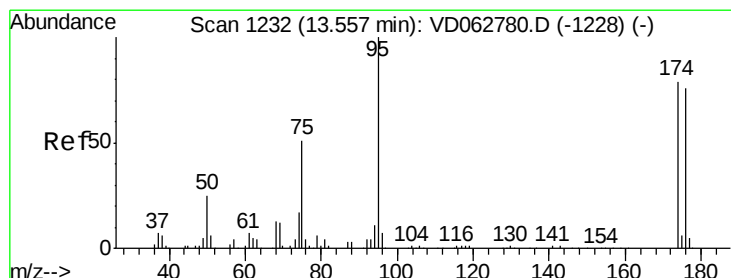
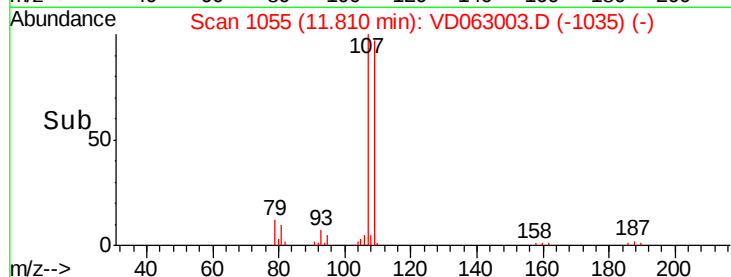
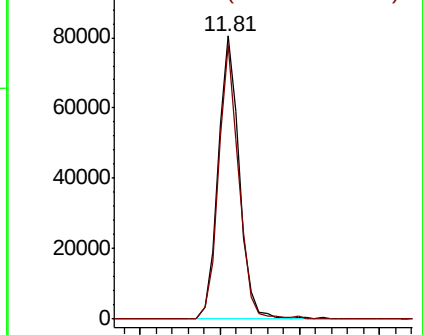
107 100

109 96.8 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.059 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

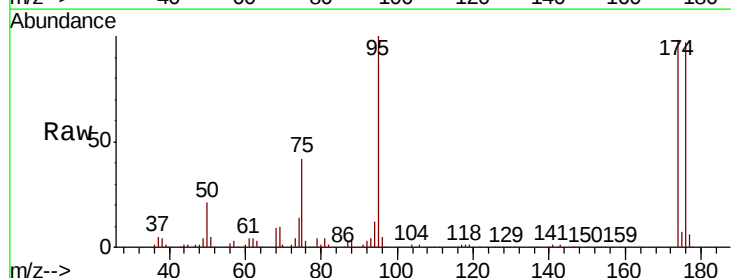
Tgt Ion: 95 Resp: 539291

Ion Ratio Lower Upper

95 100

174 98.3 0.0 158.0

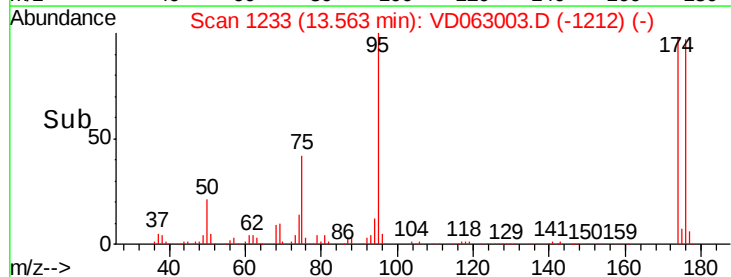
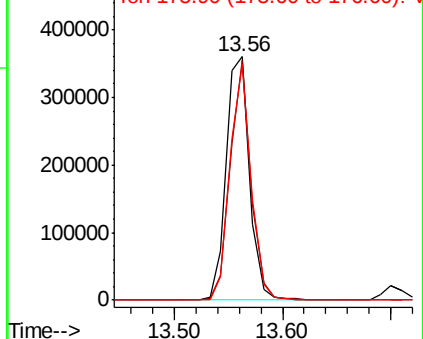
176 97.1 0.0 151.6

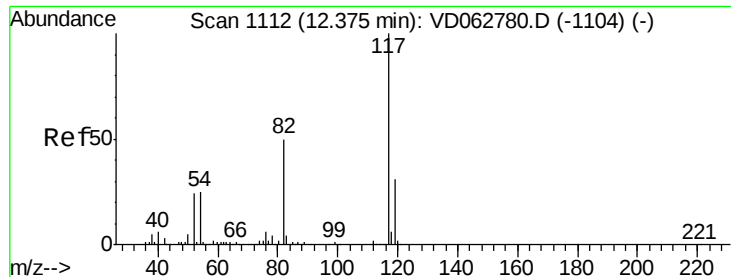


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

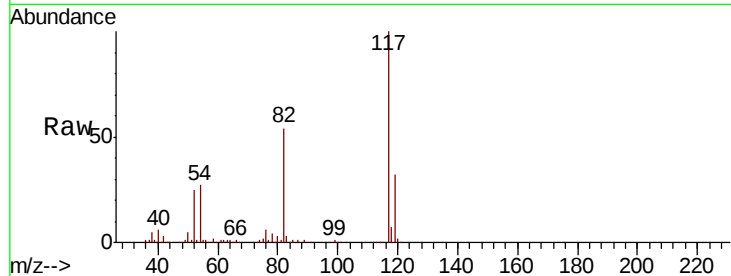




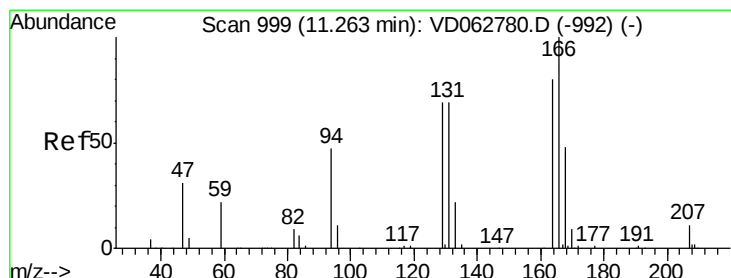
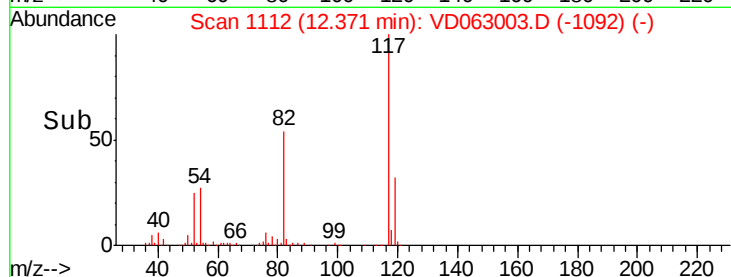
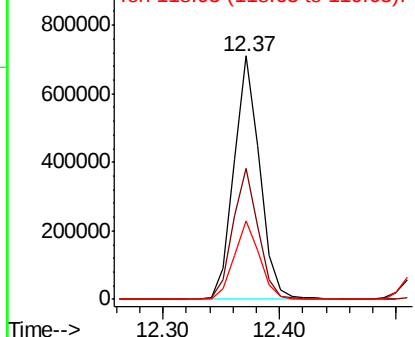
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1088218
Ion Ratio Lower Upper
117 100
82 53.9 40.4 60.6
119 32.2 25.2 37.8

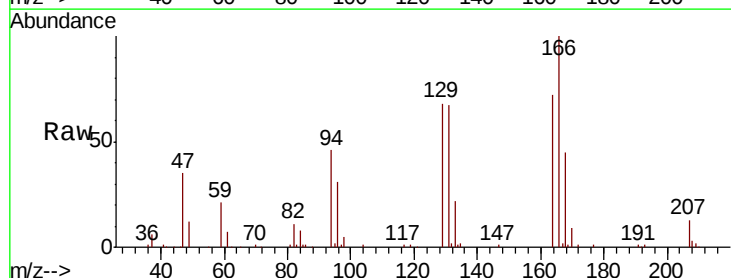


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

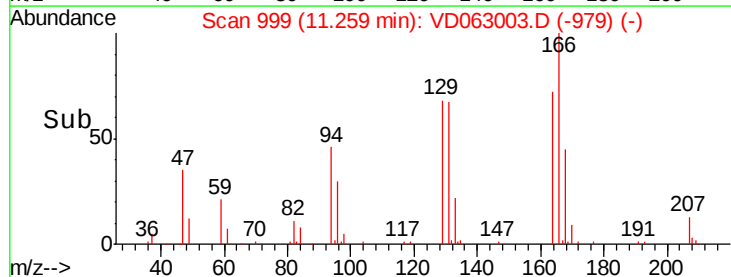
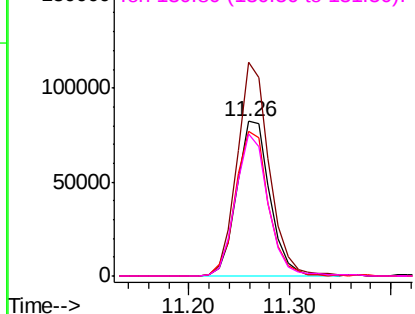


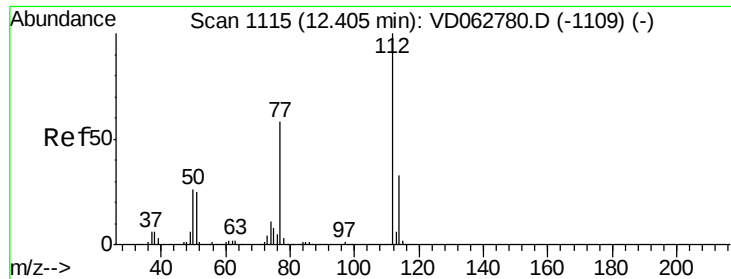
#64
Tetrachloroethene
Concen: 20.845 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion:164 Resp: 186695
Ion Ratio Lower Upper
164 100
166 138.3 100.6 150.8
129 94.0 69.4 104.0
131 92.1 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

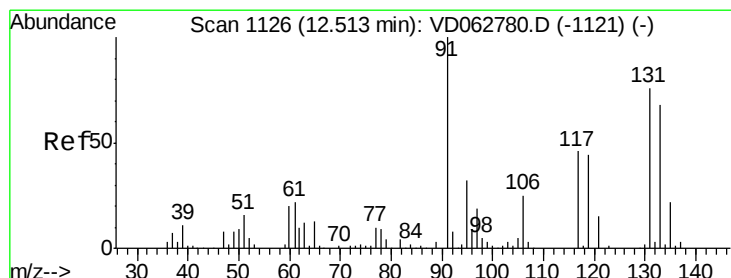
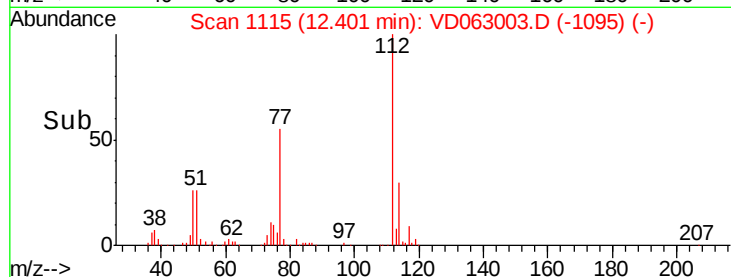
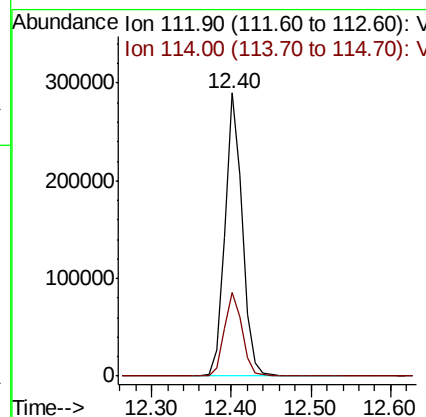
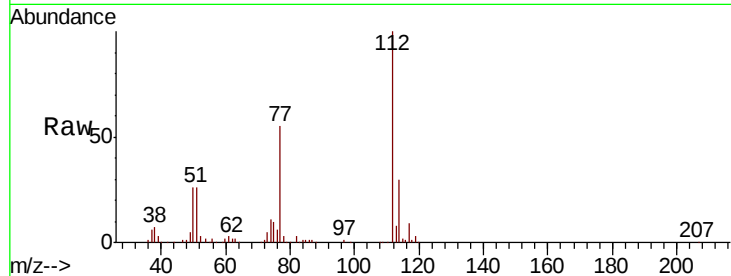




#65
Chlorobenzene
Concen: 22.031 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

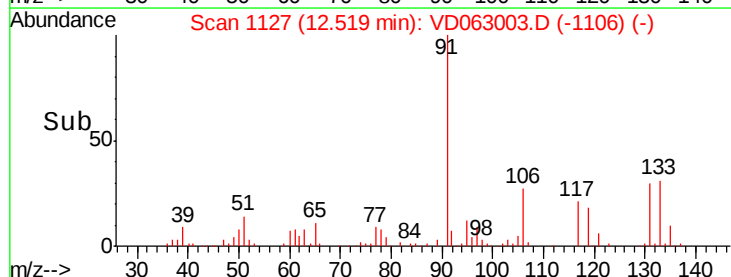
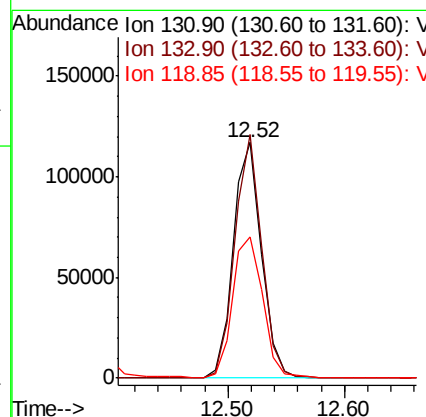
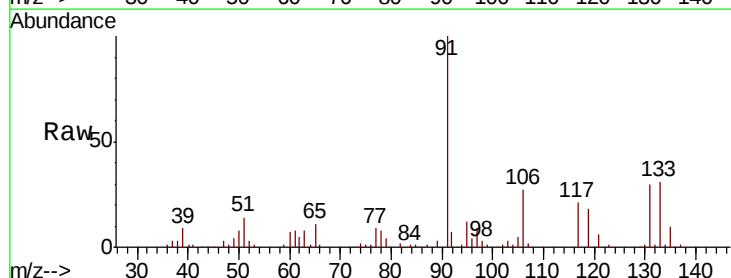
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 444933
Ion Ratio Lower Upper
112 100
114 29.6 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.744 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion:131 Resp: 195923
Ion Ratio Lower Upper
131 100
133 103.4 44.5 133.3
119 59.8 28.6 85.9

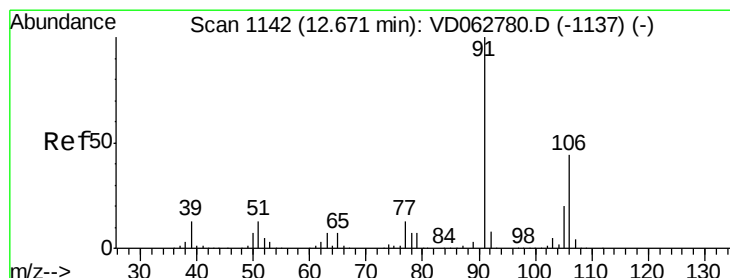
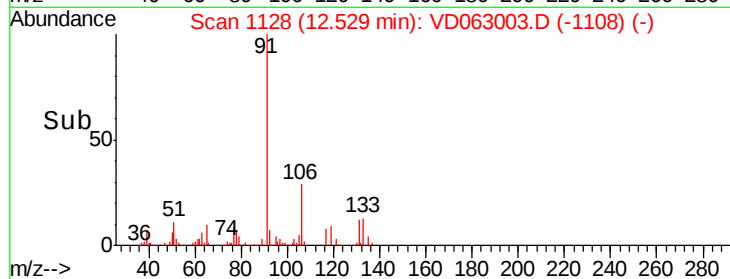
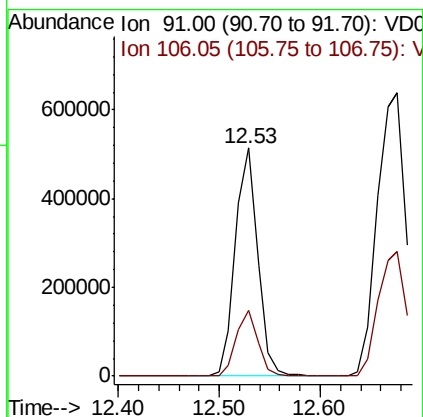
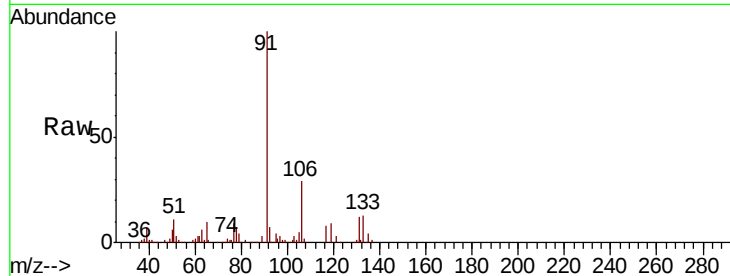




#67
Ethyl Benzene
Concen: 21.832 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

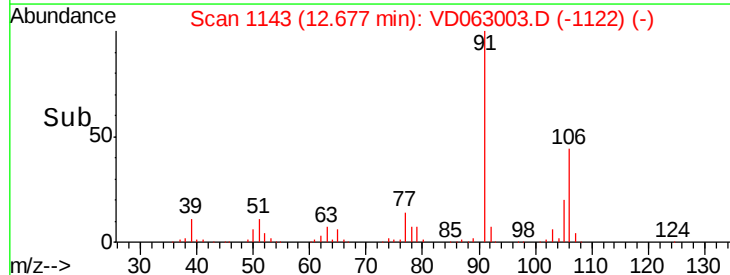
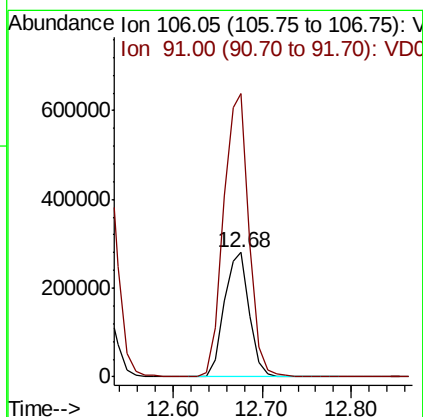
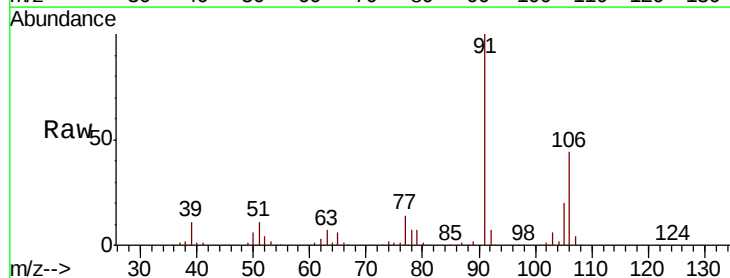
Instrument :
MSVOA_D
ClientSampleId :

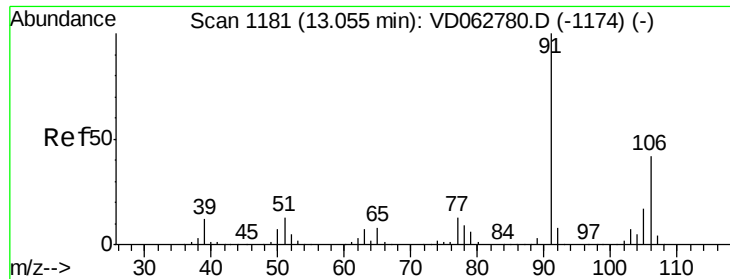
Tot Ion: 91 Resp: 791637
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#68
m/p-Xylenes
Concen: 44.036 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion: 106 Resp: 556132
Ion Ratio Lower Upper
106 100
91 227.6 183.0 274.6

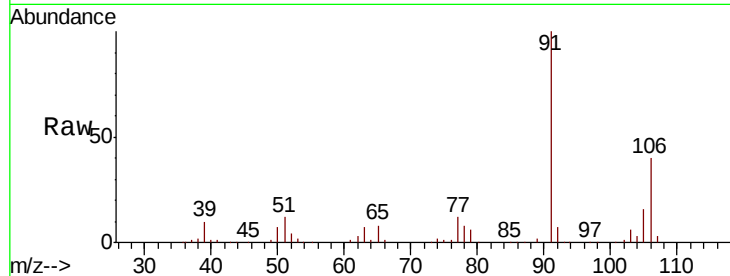




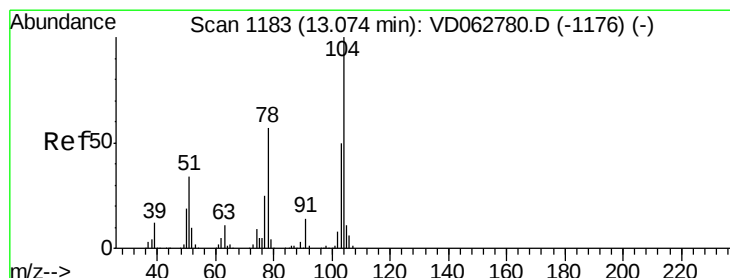
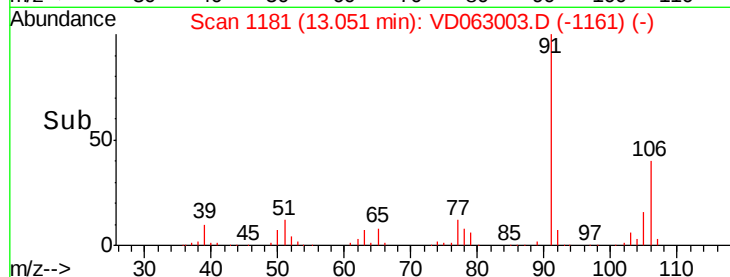
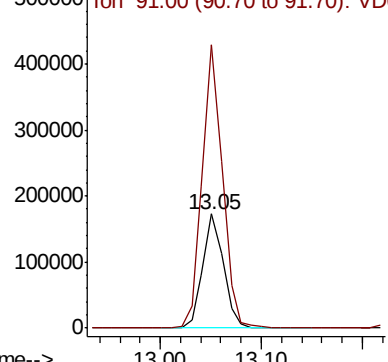
#69
o-Xylene
Concen: 21.344 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 246414
Ion Ratio Lower Upper
106 100
91 247.5 117.9 353.6

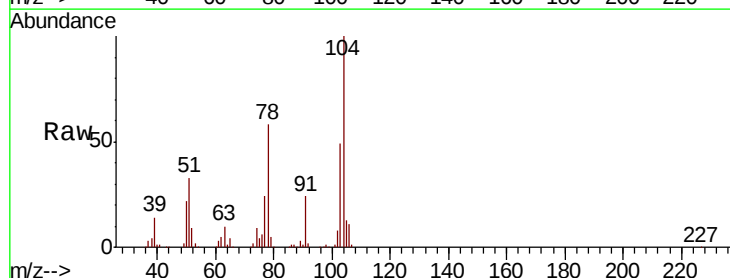


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

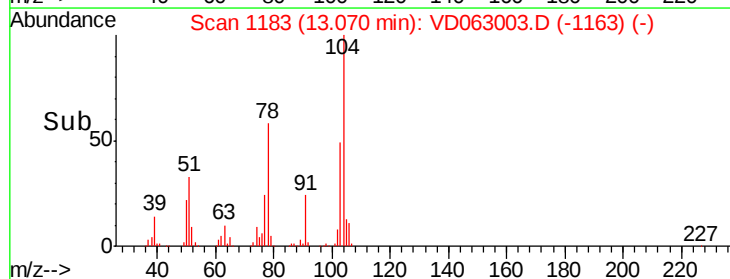
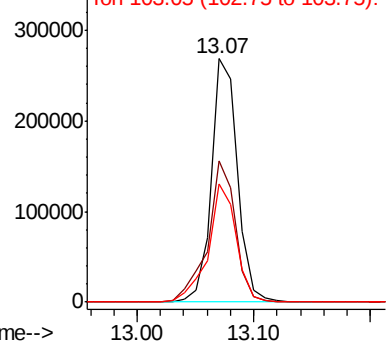


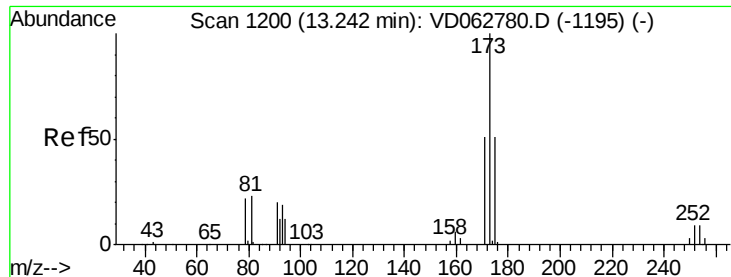
#70
Styrene
Concen: 20.407 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion:104 Resp: 413812
Ion Ratio Lower Upper
104 100
78 57.8 45.4 68.2
103 48.7 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

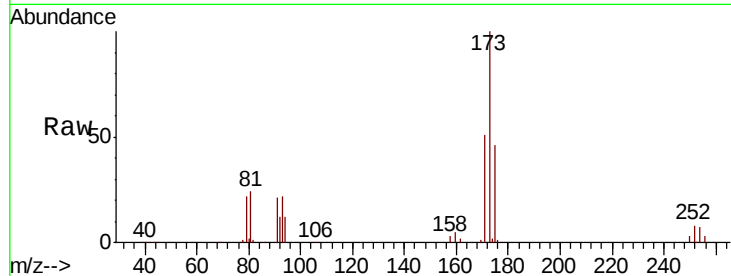




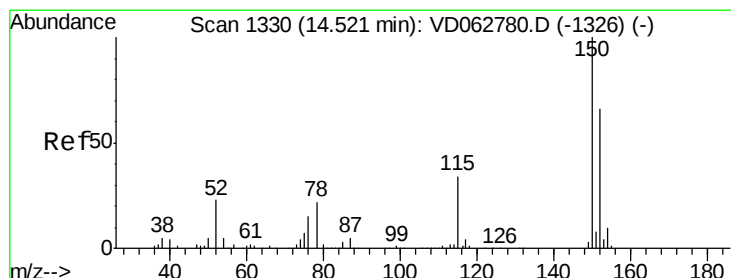
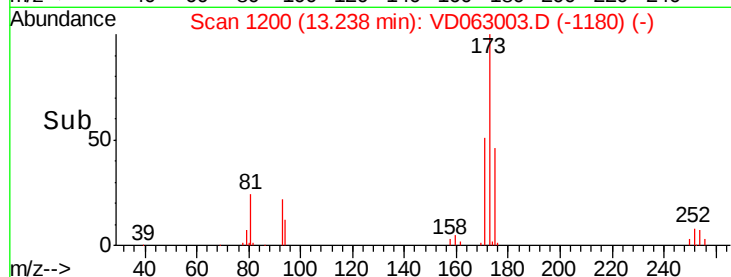
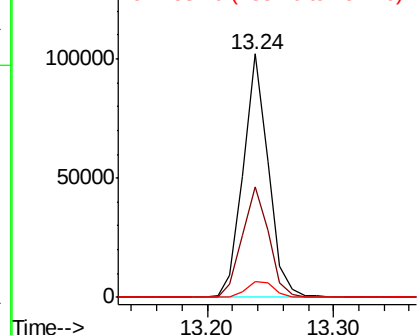
#71
Bromoform
Concen: 21.631 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 139977
Ion Ratio Lower Upper
173 100
175 45.6 25.3 75.9
254 6.5 7.1 10.7#

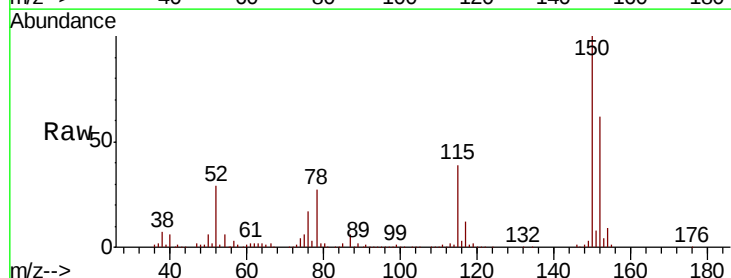


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

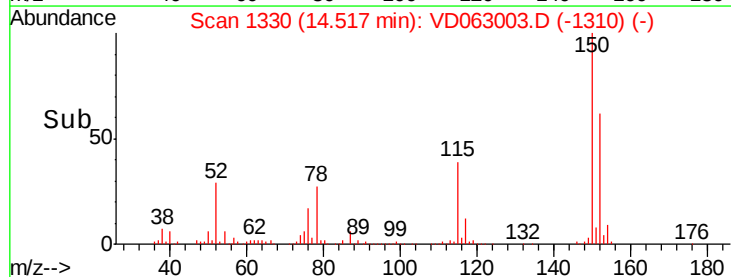
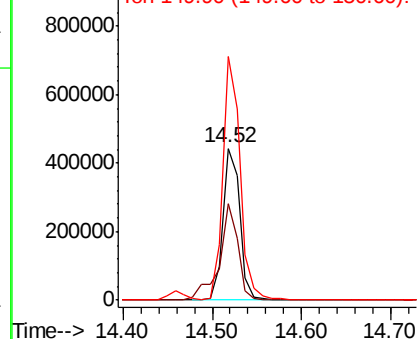


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion:152 Resp: 588257
Ion Ratio Lower Upper
152 100
115 63.1 29.2 87.6
150 160.2 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: 20.494 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

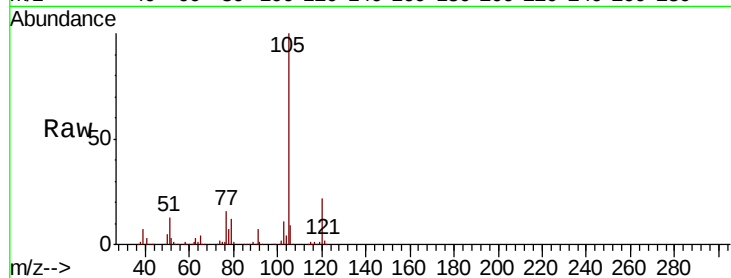
ClientSampleId :

Tot Ion:105 Resp: 772972

Ion Ratio Lower Upper

105 100

120 22.4 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

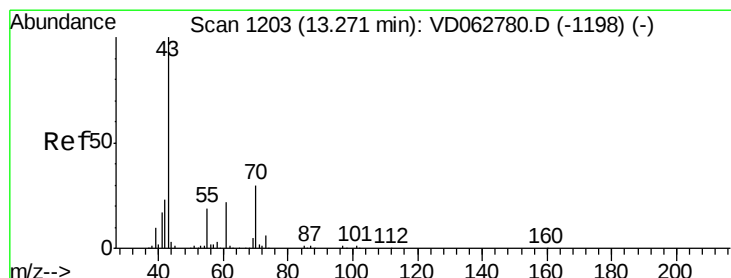
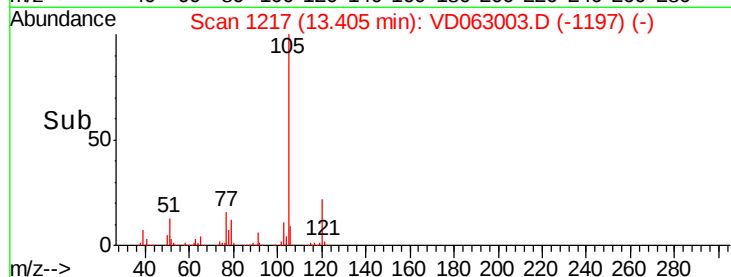
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.230 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Tgt Ion: 43 Resp: 203617

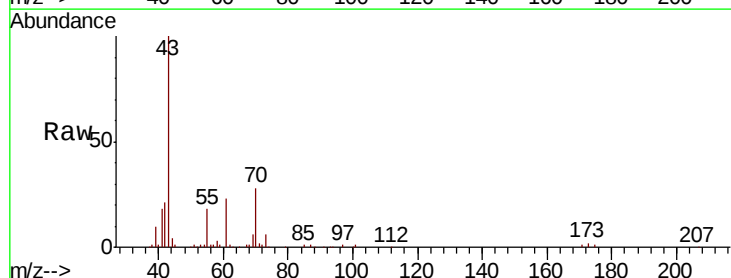
Ion Ratio Lower Upper

43 100

70 28.4 24.4 36.6

55 18.2 15.2 22.8

61 23.5 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

200000

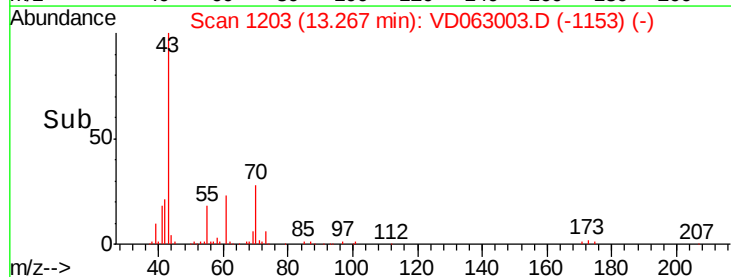
150000

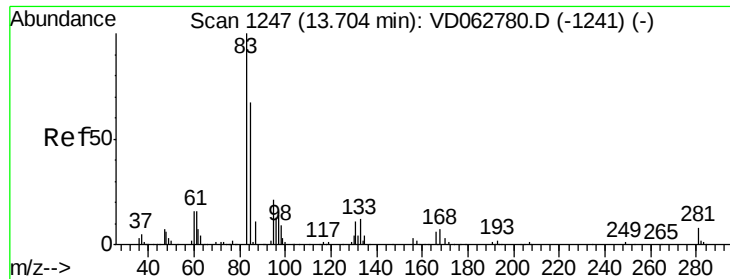
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.385 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampled :

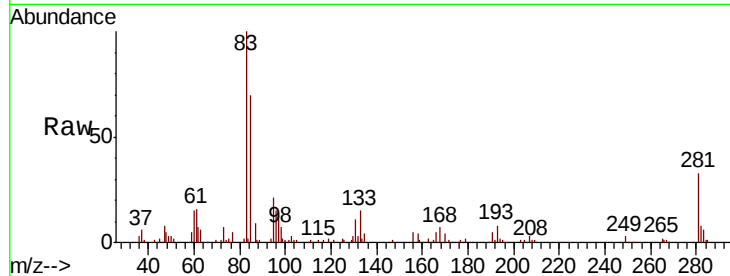
Tot Ion: 83 Resp: 137565

Ion Ratio Lower Upper

83 100

131 10.6 5.3 16.1

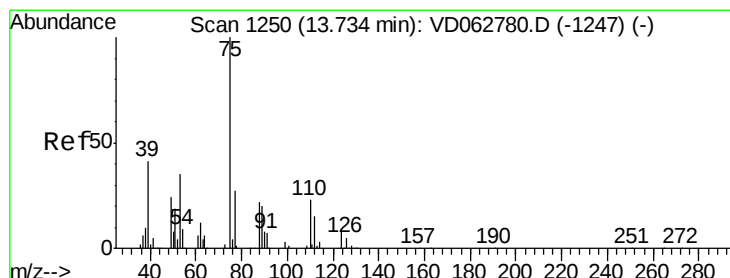
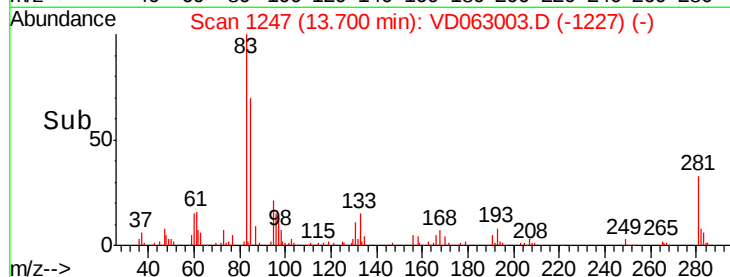
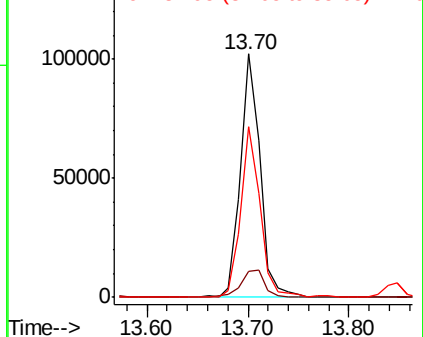
85 70.1 33.7 101.1



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: 22.516 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063003.D

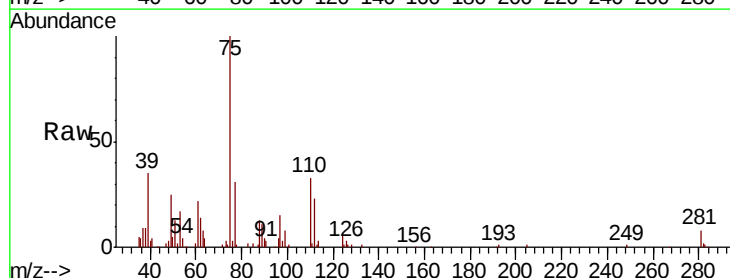
Acq: 2 Jul 2019 12:04

Tgt Ion: 75 Resp: 152907

Ion Ratio Lower Upper

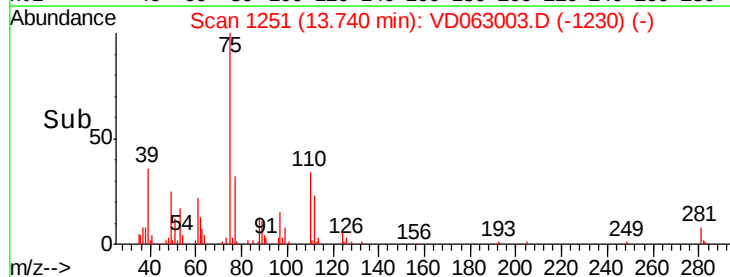
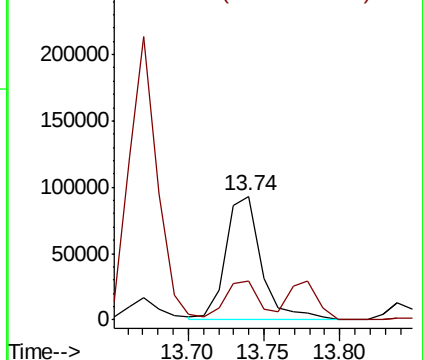
75 100

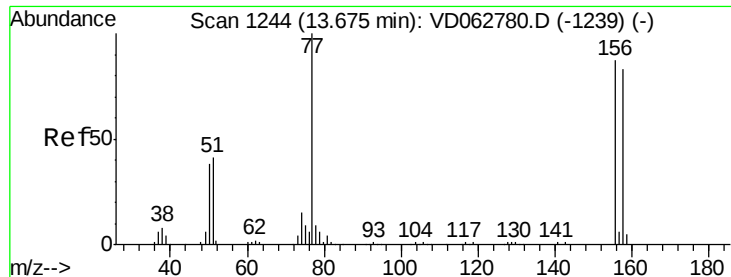
77 30.9 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.661 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampled :

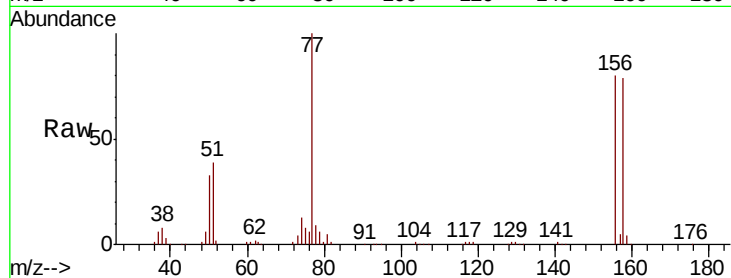
Tot Ion:156 Resp: 219754

Ion Ratio Lower Upper

156 100

77 125.0 57.7 173.1

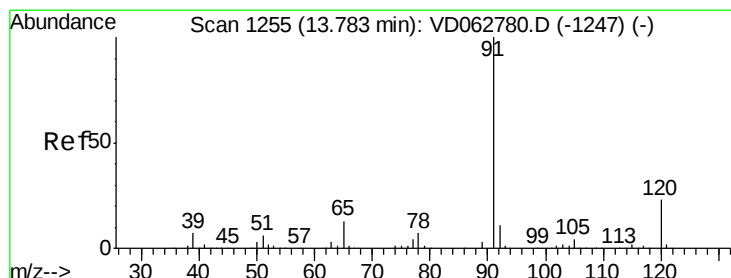
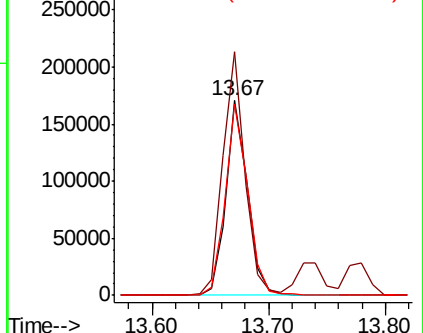
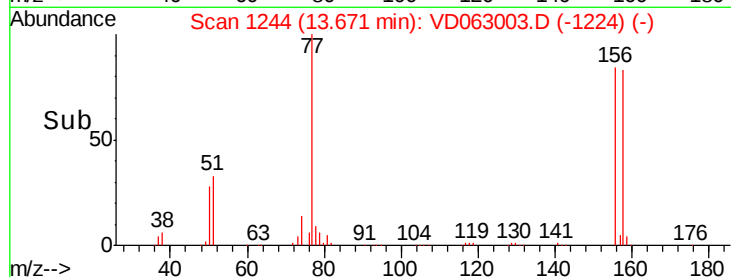
158 98.3 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.527 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD063003.D

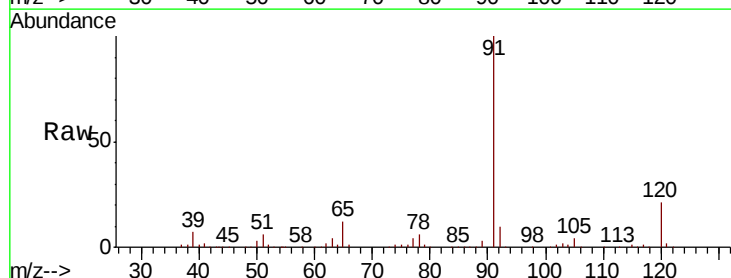
Acq: 2 Jul 2019 12:04

Tgt Ion: 91 Resp: 945031

Ion Ratio Lower Upper

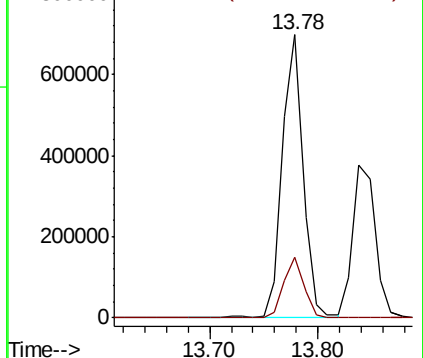
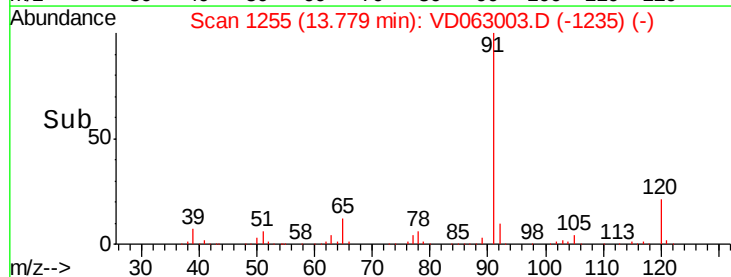
91 100

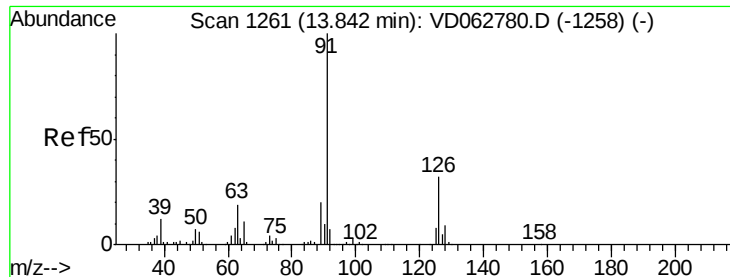
120 21.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

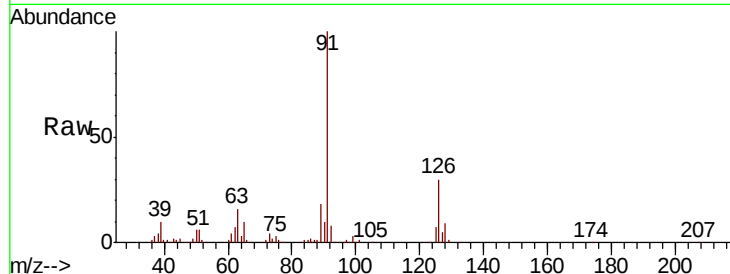




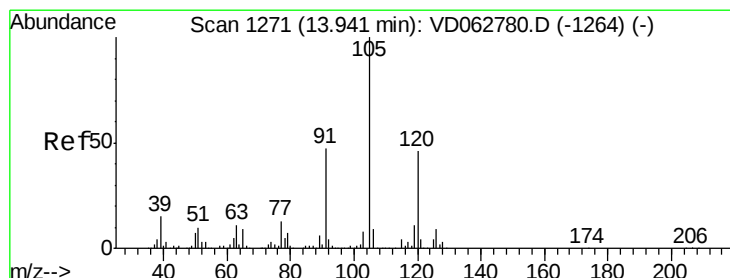
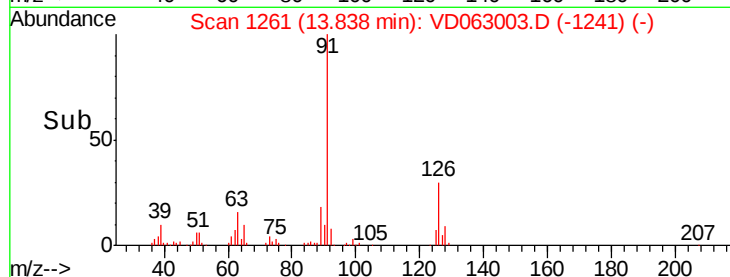
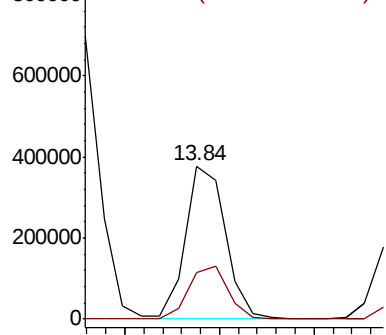
#79
 2-Chlorotoluene
 Concen: 21.788 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 546629
 Ion Ratio Lower Upper
 91 100
 126 30.2 15.7 47.1

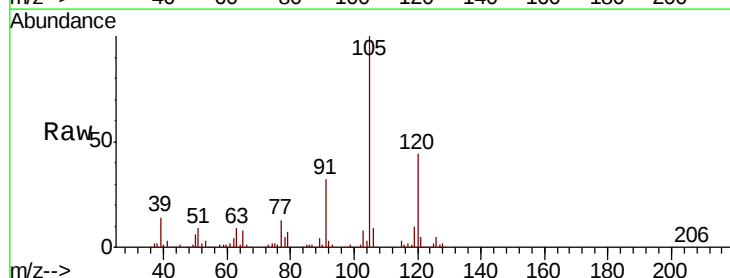


Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)

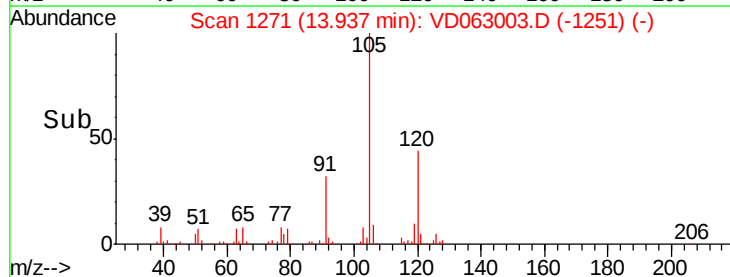
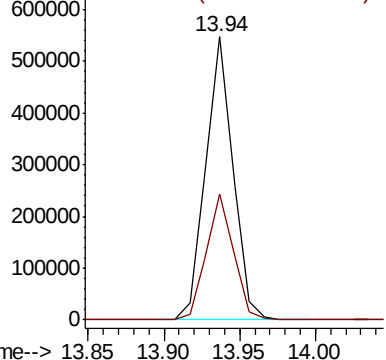


#80
 1,3,5-Trimethylbenzene
 Concen: 21.587 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion: 105 Resp: 683914
 Ion Ratio Lower Upper
 105 100
 120 44.4 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: 20.807 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

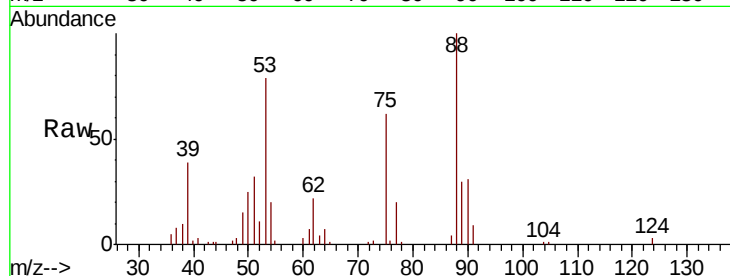
Tot Ion: 75 Resp: 37032

Ion Ratio Lower Upper

75 100

53 126.9 97.8 146.8

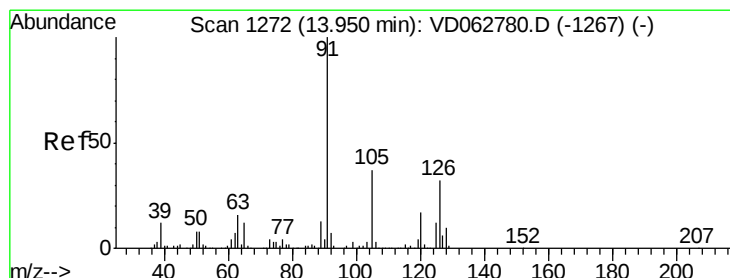
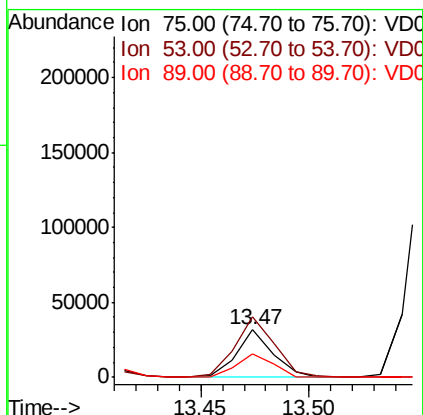
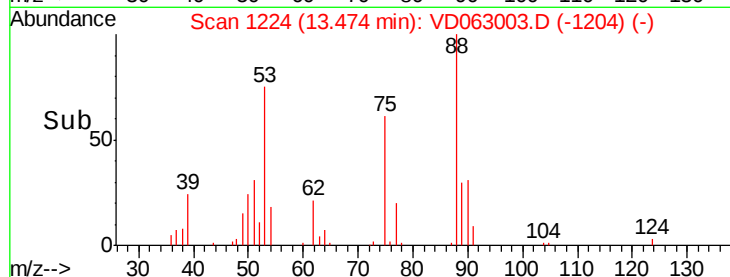
89 48.1 39.4 59.2



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: 21.915 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063003.D

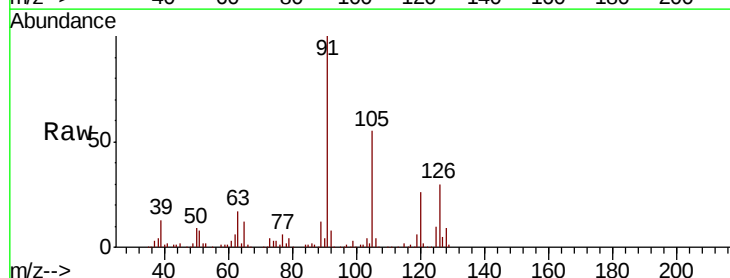
Acq: 2 Jul 2019 12:04

Tgt Ion: 91 Resp: 661903

Ion Ratio Lower Upper

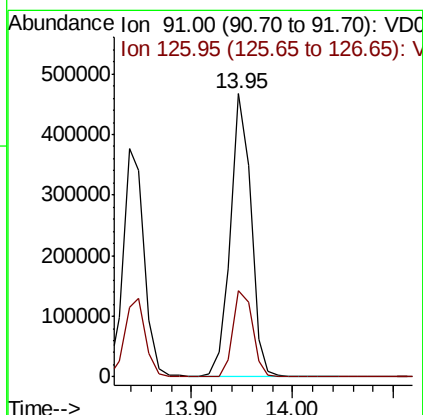
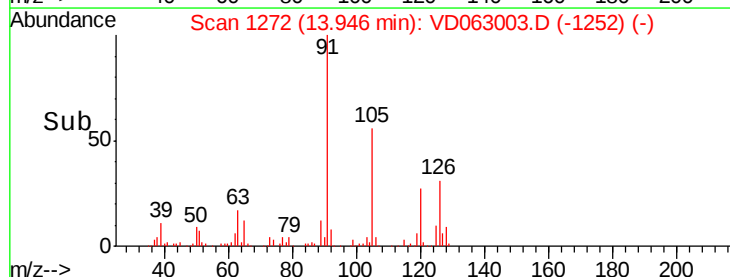
91 100

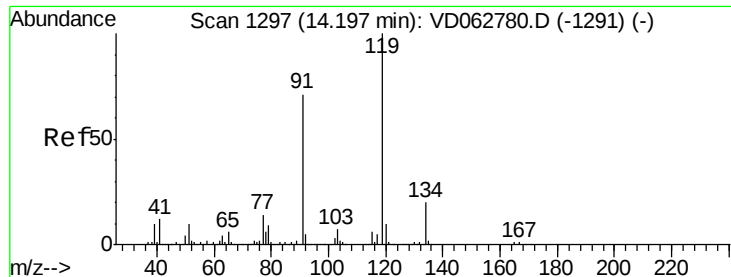
126 30.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

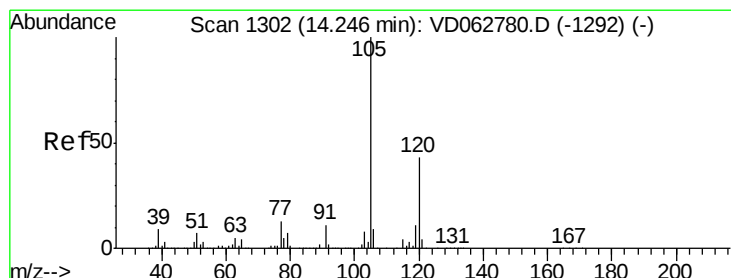
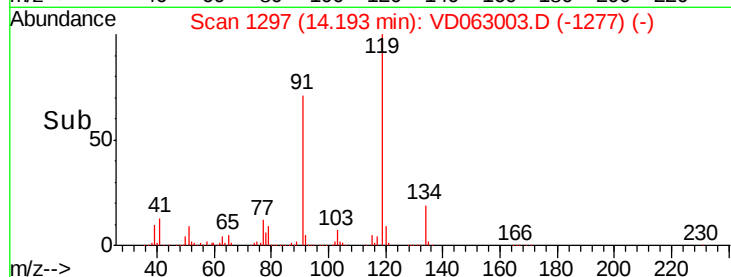
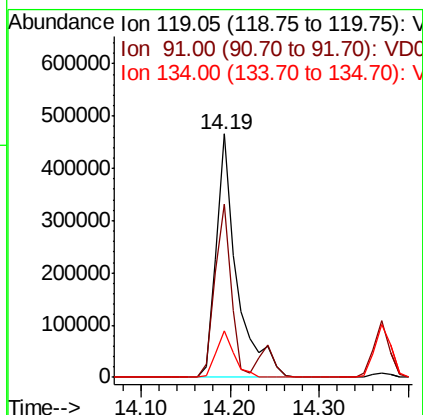
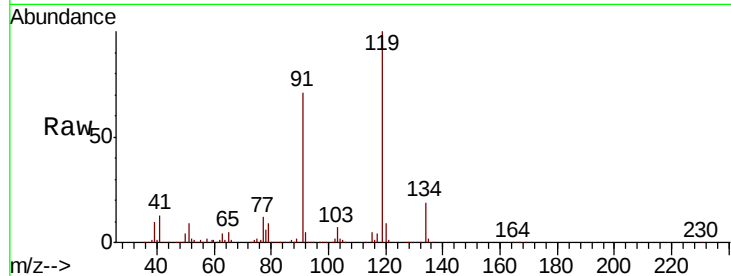




#83
 tert-Butylbenzene
 Concen: 21.413 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

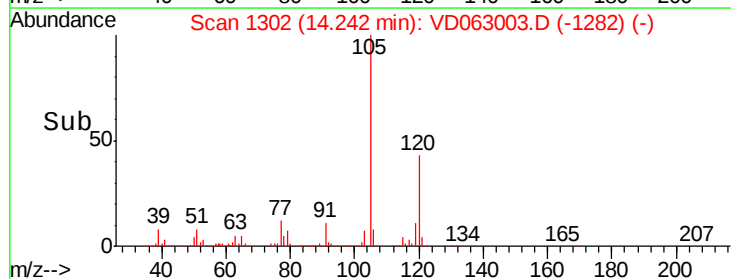
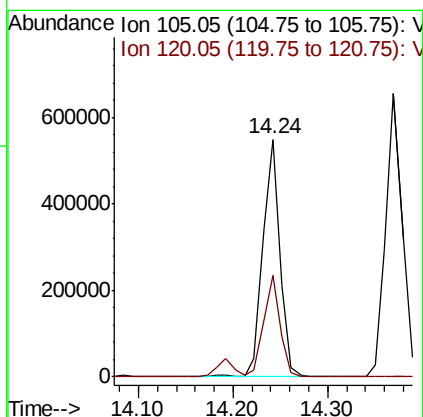
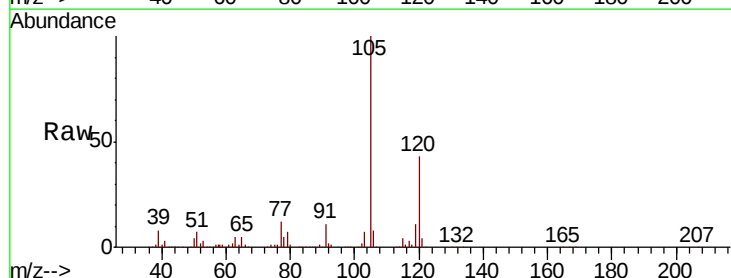
Instrument :
 MSVOA_D
 ClientSampled :

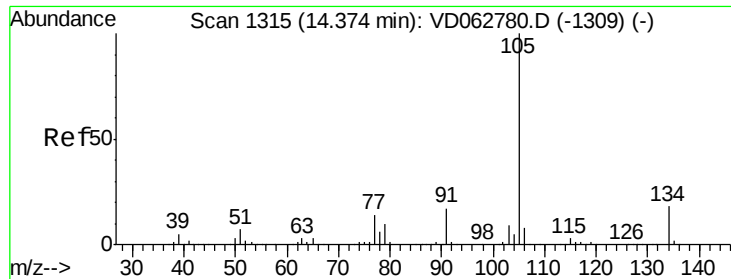
Tot Ion:119 Resp: 756176
 Ion Ratio Lower Upper
 119 100
 91 70.9 35.5 106.5
 134 18.8 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.514 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion:105 Resp: 698620
 Ion Ratio Lower Upper
 105 100
 120 42.6 21.3 63.9

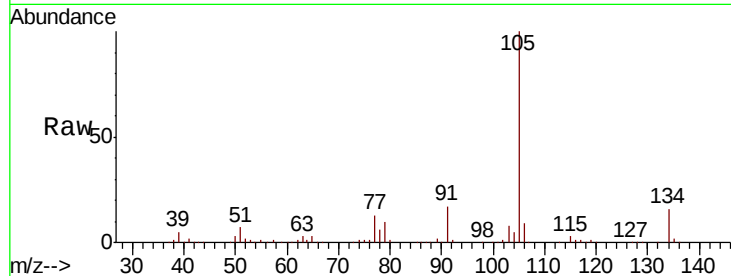




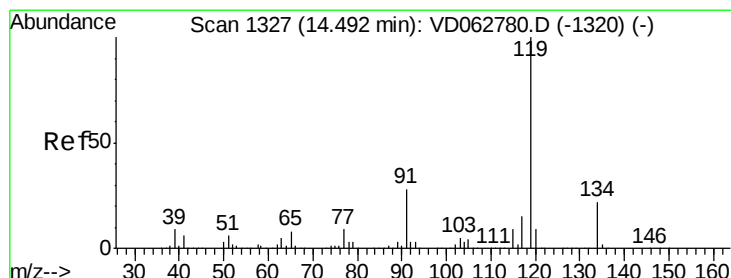
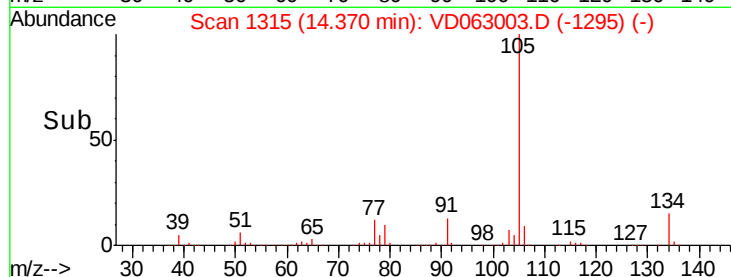
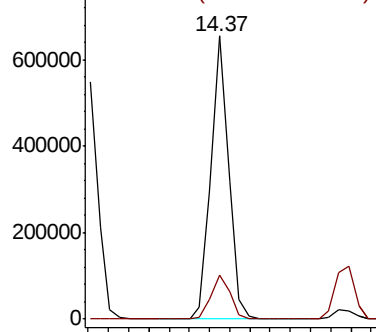
#85
 sec-Butylbenzene
 Concen: 20.902 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 802251
 Ion Ratio Lower Upper
 105 100
 134 15.6 9.1 27.3

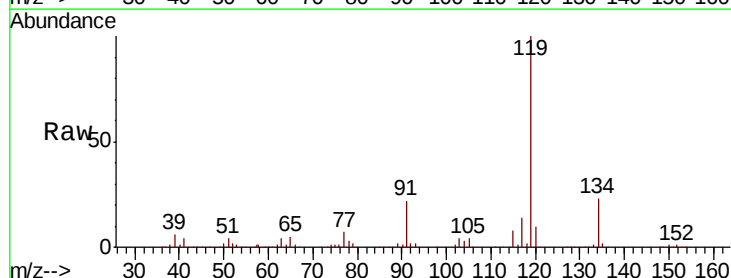


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

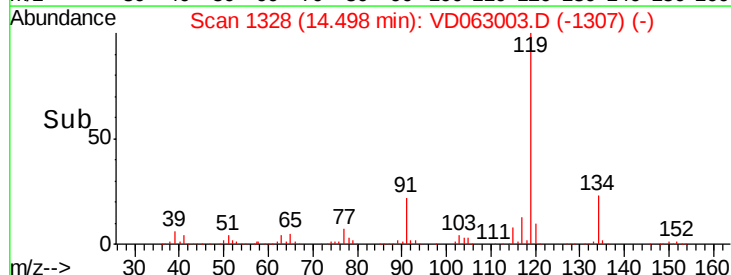
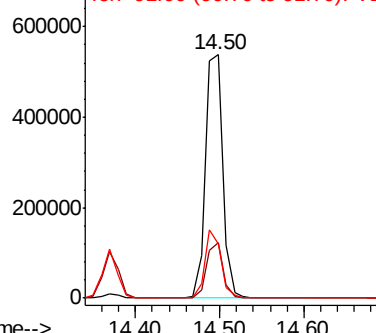


#86
 p-Isopropyltoluene
 Concen: 21.916 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion:119 Resp: 769527
 Ion Ratio Lower Upper
 119 100
 134 22.8 11.1 33.1
 91 22.4 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

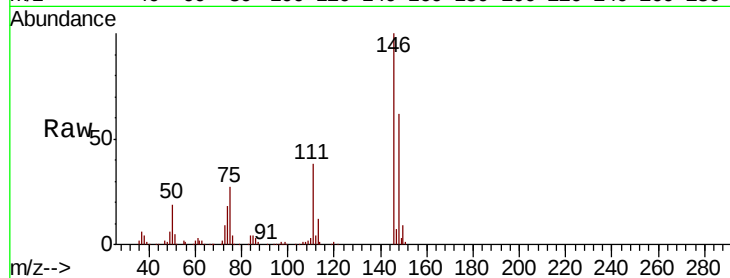




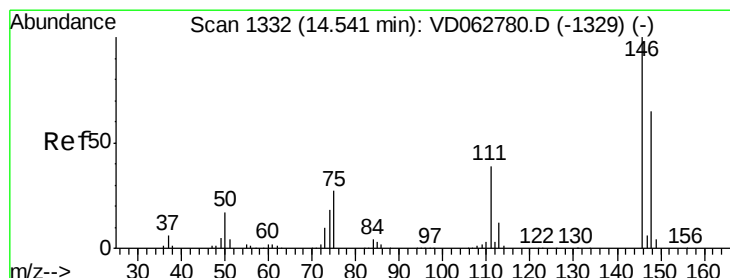
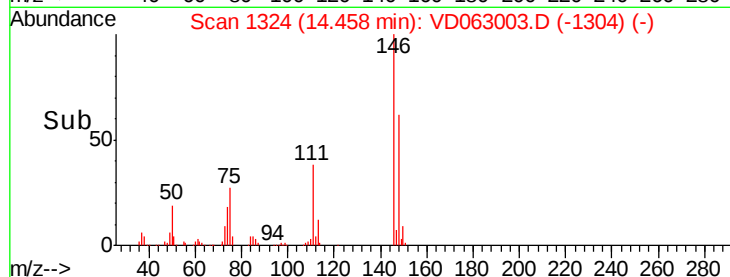
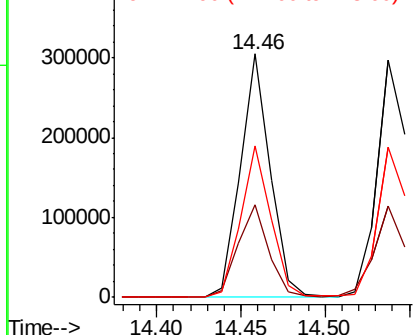
#87
 1,3-Dichlorobenzene
 Concen: 20.590 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	62.1	30.8	92.3

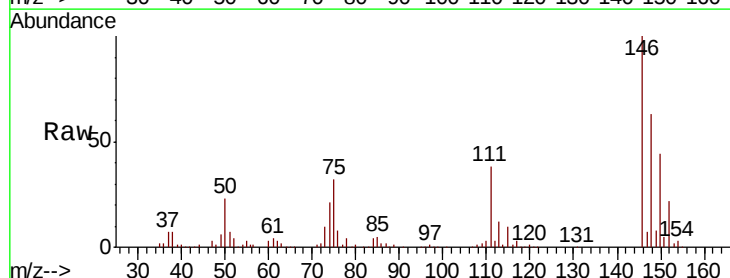


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

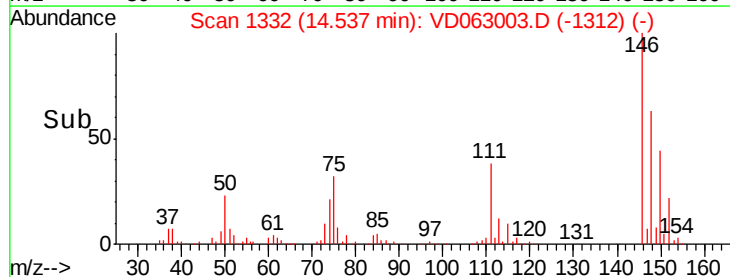
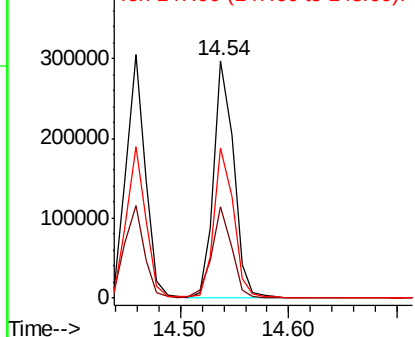


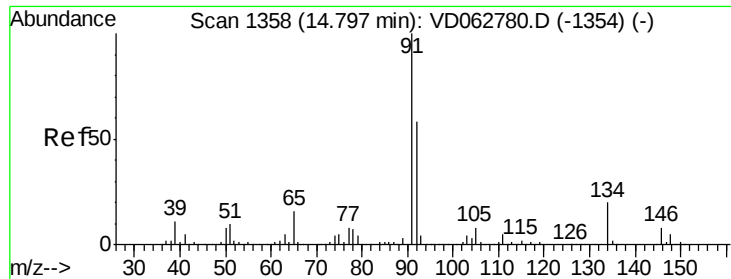
#88
 1,4-Dichlorobenzene
 Concen: 21.039 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.1
148	63.1	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: 21.867 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063003.D

Acq: 2 Jul 2019 12:04

Instrument :

MSVOA_D

ClientSampleID :

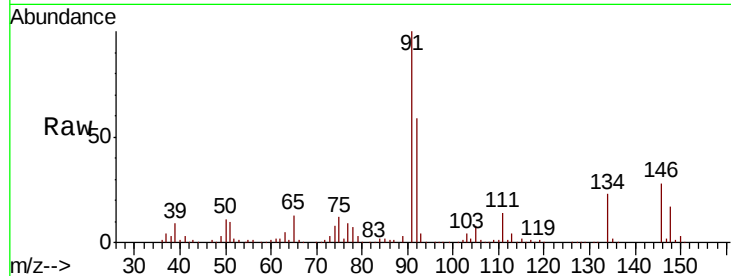
Tot Ion: 91 Resp: 718639

Ion Ratio Lower Upper

91 100

92 59.0 28.9 86.7

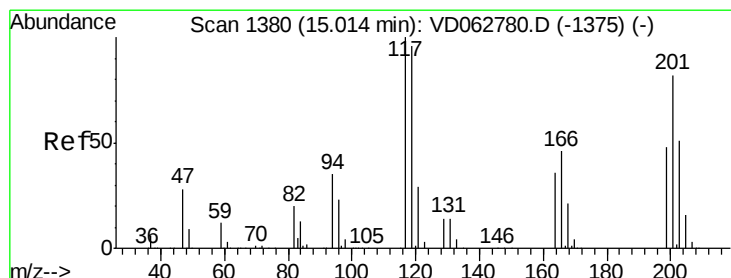
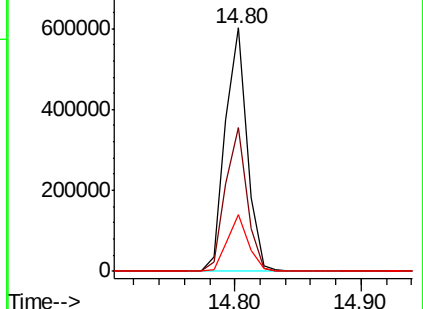
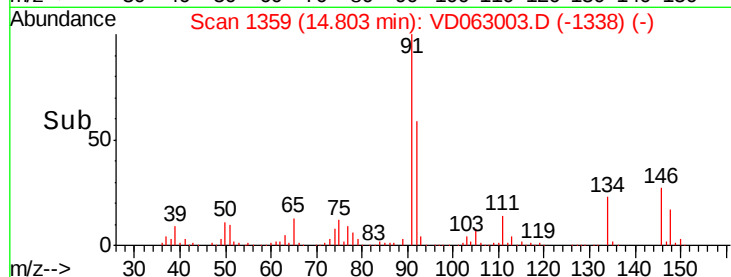
134 23.5 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 21.377 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063003.D

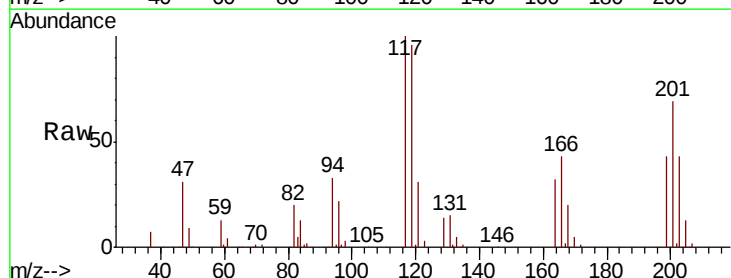
Acq: 2 Jul 2019 12:04

Tgt Ion: 117 Resp: 201817

Ion Ratio Lower Upper

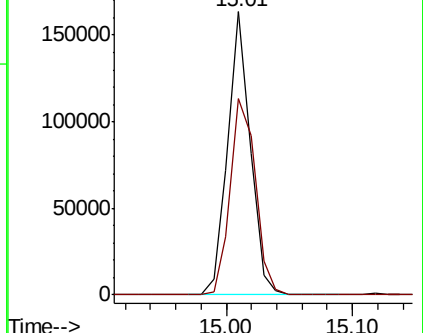
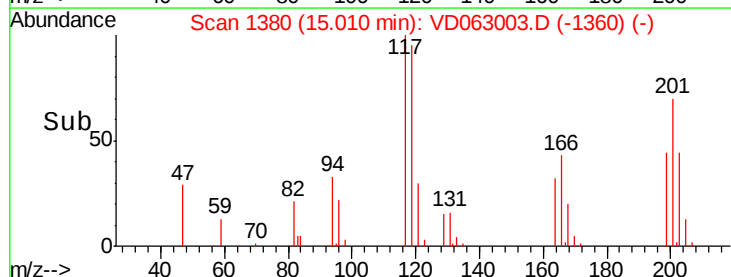
117 100

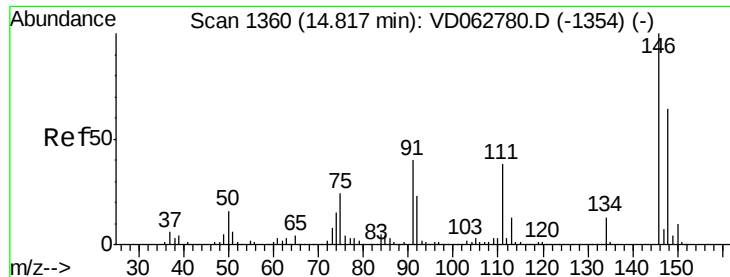
201 69.3 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

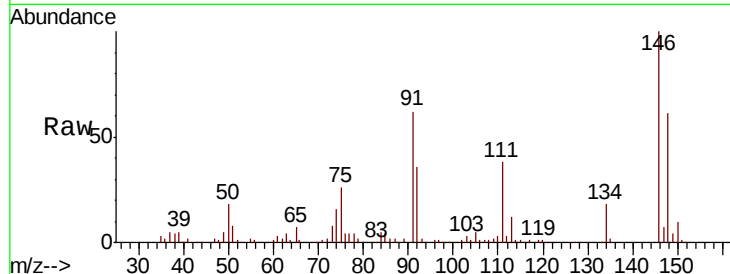




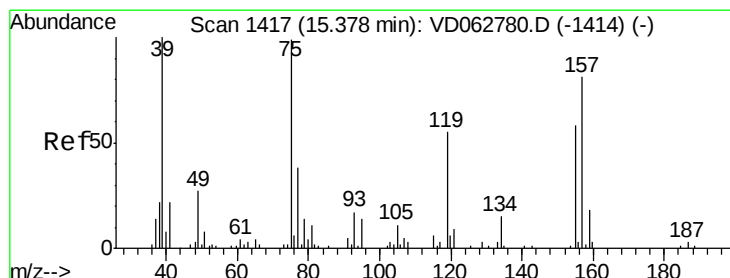
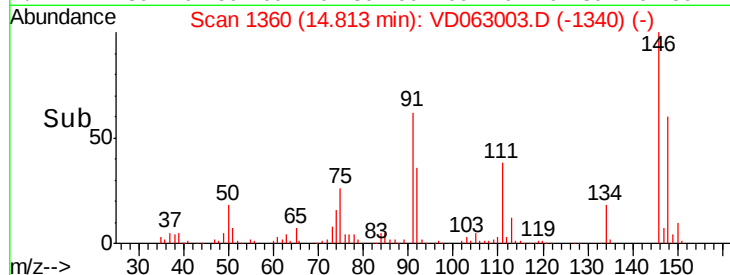
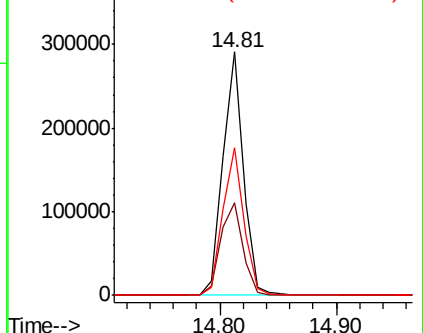
#91
 1,2-Dichlorobenzene
 Concen: 22.915 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 356548
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 60.6 32.3 96.8

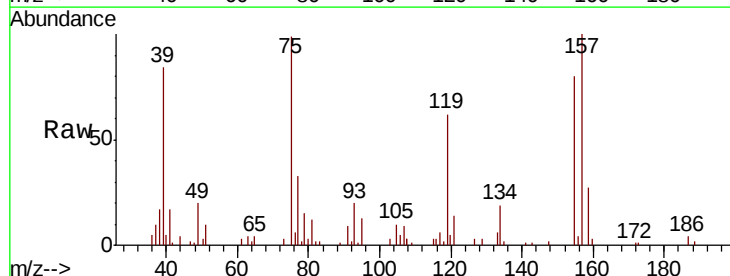


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

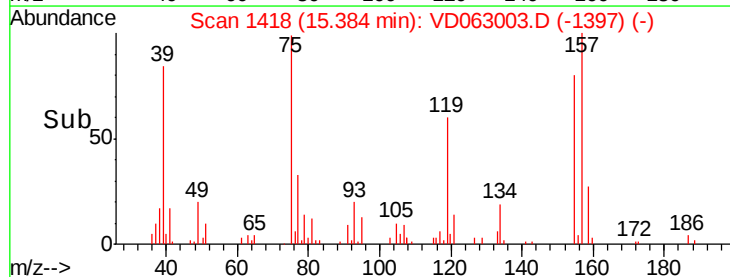
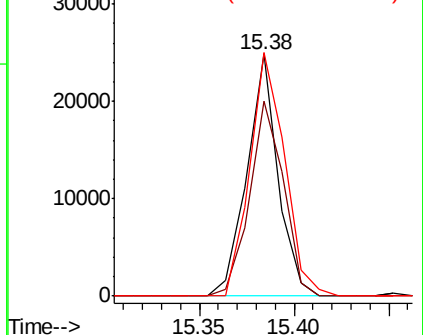


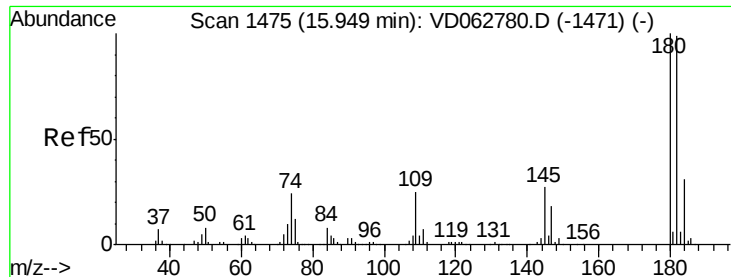
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.468 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion: 75 Resp: 28150
 Ion Ratio Lower Upper
 75 100
 155 80.5 29.3 87.8
 157 100.7 41.3 123.7



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

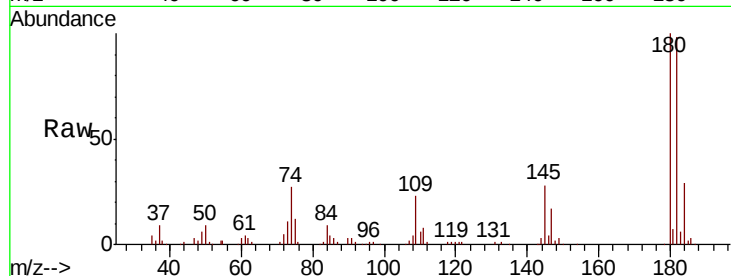




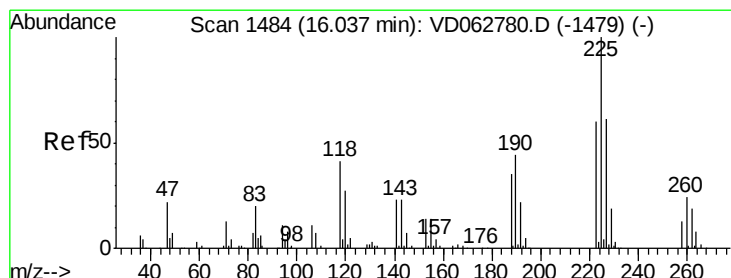
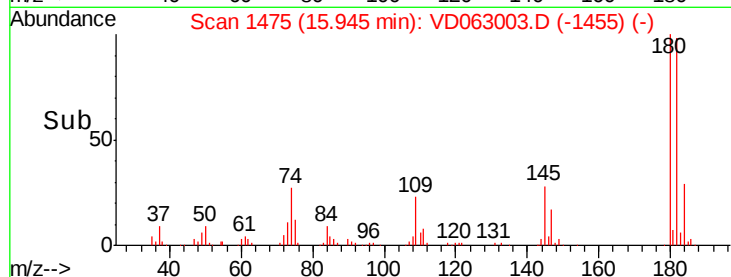
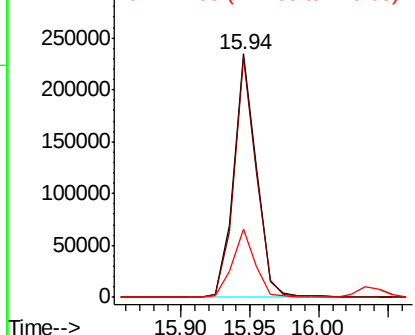
#93
 1,2,4-Trichlorobenzene
 Concen: 22.100 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 268605
 Ion Ratio Lower Upper
 180 100
 182 98.3 49.5 148.5
 145 28.1 13.7 41.0

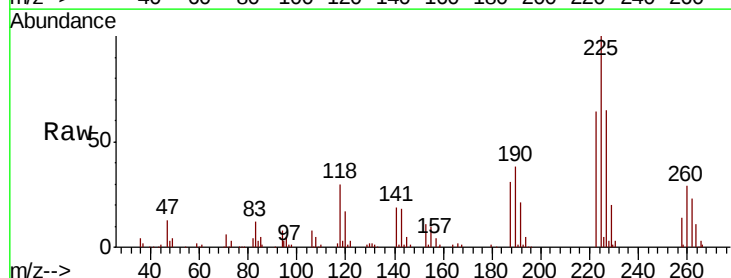


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

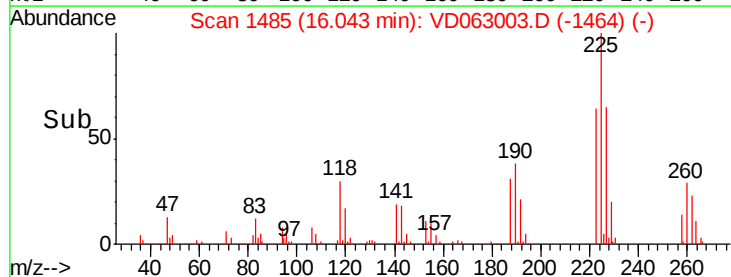
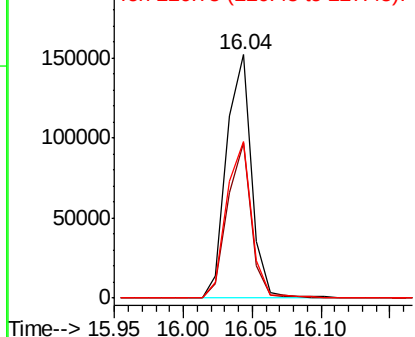


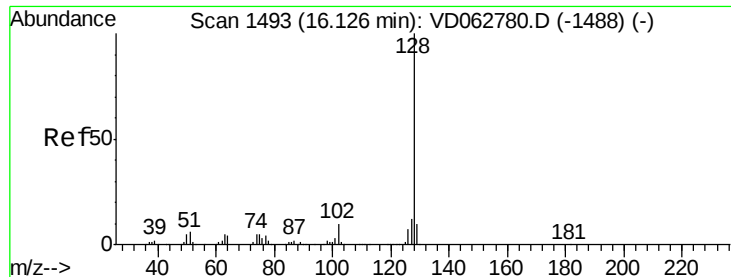
#94
 Hexachlorobutadiene
 Concen: 20.581 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063003.D
 Acq: 2 Jul 2019 12:04

Tgt Ion:225 Resp: 191106
 Ion Ratio Lower Upper
 225 100
 223 63.9 29.8 89.5
 227 64.5 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

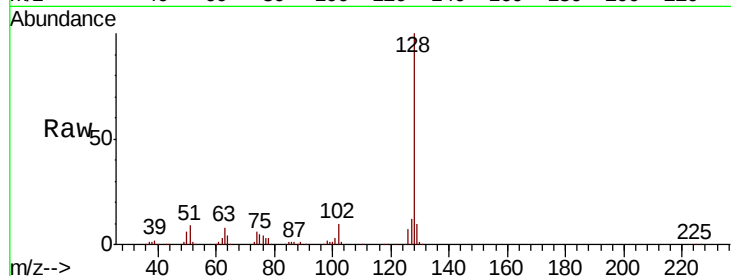




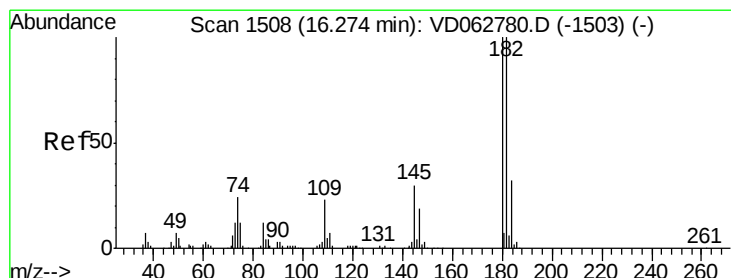
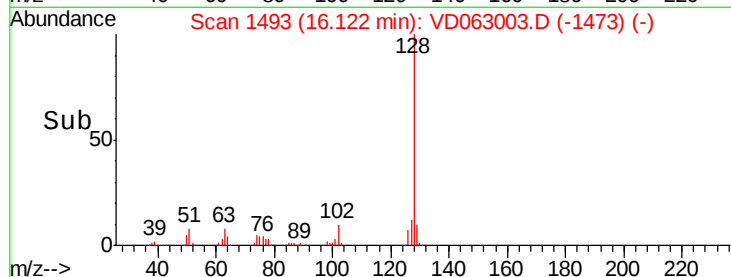
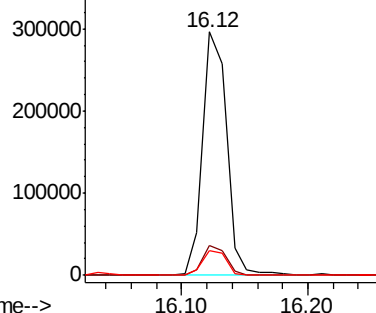
#95
Naphthalene
Concen: 22.792 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 388281
Ion Ratio Lower Upper
128 100
127 12.5 9.7 14.5
129 10.3 8.3 12.5

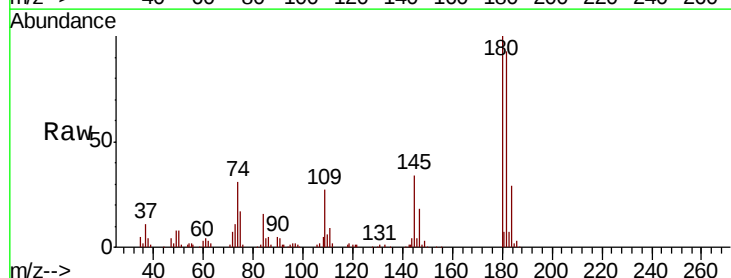


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.584 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063003.D
Acq: 2 Jul 2019 12:04

Tgt Ion:180 Resp: 210900
Ion Ratio Lower Upper
180 100
182 93.0 49.9 149.6
145 33.7 15.2 45.5



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

