

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062808.D
 Acq On : 21 Jun 2019 11:31
 Operator : VA/AP
 Sample : VD0621SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Quant Time: Jun 22 04:11:51 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	826177	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1132055	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.39	117	950006	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	539040	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	510604	56.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.72%	
35) Dibromofluoromethane	6.94	113	519474	54.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.84%	
50) Toluene-d8	10.44	98	1144561	55.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.18%	
62) 4-Bromofluorobenzene	13.57	95	524206	55.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	250098	23.393	ug/l	100
3) Chloromethane	1.75	50	175903	21.878	ug/l	98
4) Vinyl Chloride	1.85	62	160857	20.178	ug/l	99
5) Bromomethane	2.15	94	70515	18.888	ug/l	93
6) Chloroethane	2.27	64	79177	21.938	ug/l	98
7) Trichlorofluoromethane	2.53	101	336415	20.852	ug/l	99
8) Diethyl Ether	2.88	74	43451	21.197	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	185176	21.186	ug/l	97
10) Methyl Iodide	3.31	142	189338	16.420	ug/l	94
11) Tert butyl alcohol	4.11	59	30514	74.605	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	137976	21.043	ug/l	89
13) Acrolein	3.04	56	35755	85.630	ug/l #	69
14) Allyl chloride	3.63	41	192480	19.867	ug/l	96
15) Acrylonitrile	4.22	53	93013	96.781	ug/l	89
16) Acetone	3.23	43	150770	77.975	ug/l	99
17) Carbon Disulfide	3.38	76	388638	18.546	ug/l	96
18) Methyl Acetate	3.65	43	60630	22.365	ug/l	93
19) Methyl tert-butyl Ether	4.26	73	274761	19.357	ug/l	99
20) Methylene Chloride	3.82	84	124076	18.116	ug/l	92
21) trans-1,2-Dichloroethene	4.24	96	131001	18.764	ug/l	93
22) Diisopropyl ether	5.15	45	398852	20.243	ug/l	94
23) Vinyl Acetate	5.07	43	1215565	98.595	ug/l	99
24) 1,1-Dichloroethane	4.99	63	256767	20.016	ug/l	98
25) 2-Butanone	6.10	43	162227	96.586	ug/l #	93
26) 2,2-Dichloropropane	6.04	77	276739	20.353	ug/l	94
27) cis-1,2-Dichloroethene	6.06	96	149362	20.231	ug/l	89
28) Bromochloromethane	6.45	49	98443	21.789	ug/l	89
29) Tetrahydrofuran	6.48	42	77250	97.208	ug/l	99
30) Chloroform	6.69	83	321510	20.608	ug/l	99
31) Cyclohexane	6.98	56	158500	18.795	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	345263	21.248	ug/l	96
36) 1,1-Dichloropropene	7.16	75	206876	19.304	ug/l #	94
37) Ethyl Acetate	6.19	43	84573	18.084	ug/l	97
38) Carbon Tetrachloride	7.13	117	324613	20.141	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	8.88	83	185525	19.668	ug/l	99
40) Benzene	7.47	78	410257	19.072	ug/l	96
41) Methacrylonitrile	6.47	41	102757	18.182	ug/l #	89
42) 1,2-Dichloroethane	7.60	62	240355	20.482	ug/l	97
43) Isopropyl Acetate	9.26	43	112657	20.052	ug/l #	96
44) Trichloroethene	8.56	130	172155	20.414	ug/l	97
45) 1,2-Dichloropropane	8.96	63	97523	18.232	ug/l	100
46) Dibromomethane	9.08	93	92809	20.199	ug/l	93
47) Bromodichloromethane	9.39	83	232662	19.497	ug/l	94
48) Methyl methacrylate	9.15	41	78485	19.658	ug/l	94
49) 1,4-Dioxane	9.12	88	13184	396.911	ug/l #	87
51) 4-Methyl-2-Pentanone	10.33	43	382709	96.077	ug/l	95
52) Toluene	10.54	92	280554	19.402	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	203182	20.803	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	192276	18.112	ug/l	86
55) 1,1,2-Trichloroethane	11.22	97	95182	19.159	ug/l	98
56) Ethyl methacrylate	11.07	69	94956	17.885	ug/l #	86
57) 1,3-Dichloropropane	11.43	76	151521	19.920	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	252713	92.718	ug/l	100
59) 2-Hexanone	11.55	43	270059	95.195	ug/l	97
60) Dibromochloromethane	11.71	129	182572	19.730	ug/l	95
61) 1,2-Dibromoethane	11.83	107	115441	19.675	ug/l	94
64) Tetrachloroethene	11.28	164	156716	20.044	ug/l	94
65) Chlorobenzene	12.42	112	347957	19.735	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	167199	20.278	ug/l	97
67) Ethyl Benzene	12.54	91	648038	20.472	ug/l	99
68) m/p-Xylenes	12.68	106	443292	40.208	ug/l	85
69) o-Xylene	13.07	106	206178	20.457	ug/l	96
70) Styrene	13.09	104	356088	20.115	ug/l	93
71) Bromoform	13.25	173	111700	19.773	ug/l	98
73) Isopropylbenzene	13.42	105	620003	17.939	ug/l	99
74) N-amyl acetate	13.28	43	169139	20.152	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.72	83	108079	19.192	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	121055	19.453	ug/l	98
77) Bromobenzene	13.69	156	185065	19.908	ug/l	91
78) n-propylbenzene	13.78	91	763759	18.986	ug/l	94
79) 2-Chlorotoluene	13.85	91	469660	20.430	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	592335	20.404	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.49	75	28840	17.683	ug/l	95
82) 4-Chlorotoluene	13.96	91	539139	19.480	ug/l	96
83) tert-Butylbenzene	14.21	119	617025	19.068	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	500681	16.827	ug/l	91
85) sec-Butylbenzene	14.38	105	701229	19.938	ug/l	98
86) p-Isopropyltoluene	14.50	119	642844	19.979	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	338921	20.338	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	315085	18.825	ug/l	98
89) n-Butylbenzene	14.81	91	588291	19.535	ug/l	98
90) Hexachloroethane	15.02	117	165132	19.088	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	277811	19.485	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	15.39	75	20128	18.313	ug/l	84

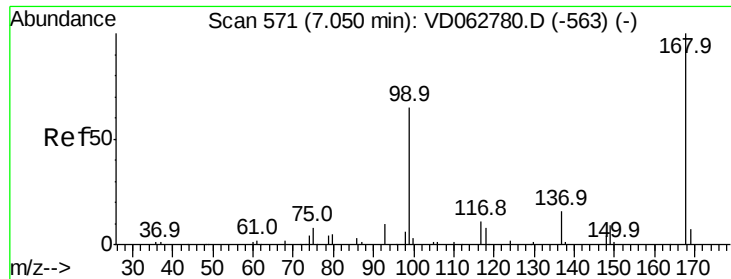
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	218931	19.657	ug/l	95
94) Hexachlorobutadiene	16.05	225	157835	18.550	ug/l	94
95) Naphthalene	16.14	128	280089	17.943	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	178187	20.823	ug/l	95

(#) = 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: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

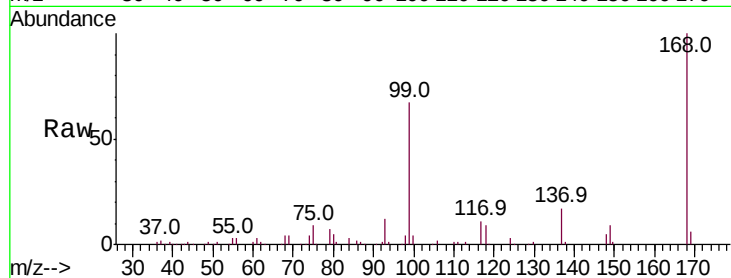
VD0621SBS01

Tot Ion:168 Resp: 826177

Ion Ratio Lower Upper

168 100

99 66.8 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

250000

200000

150000

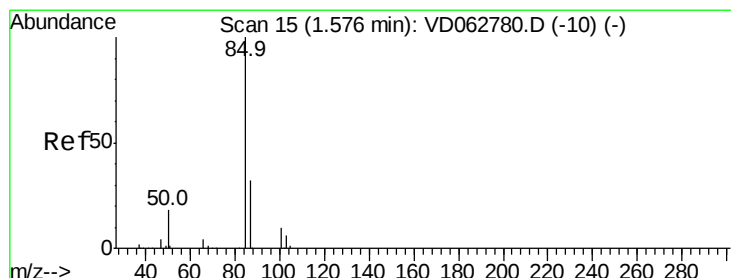
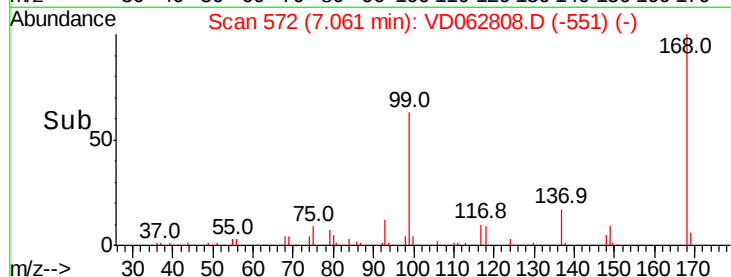
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 23.393 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062808.D

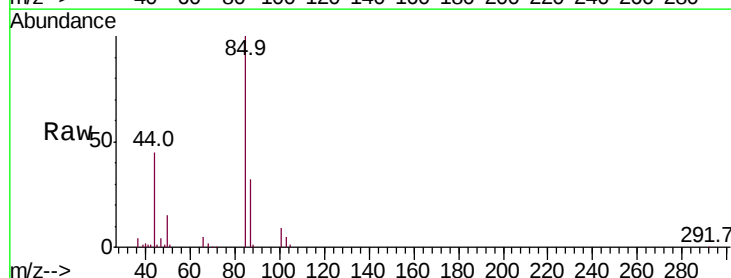
Acq: 21 Jun 2019 11:31

Tgt Ion: 85 Resp: 250098

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

100000

80000

60000

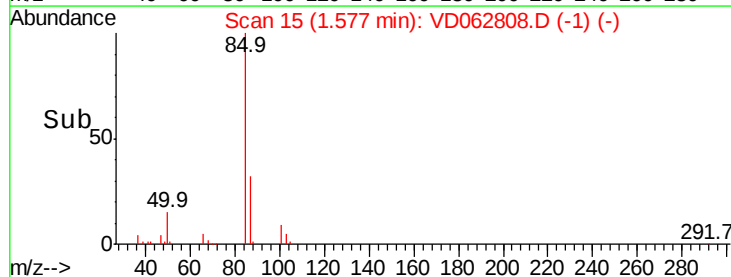
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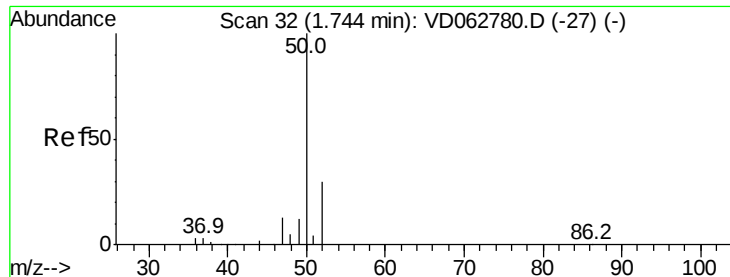
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.878 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

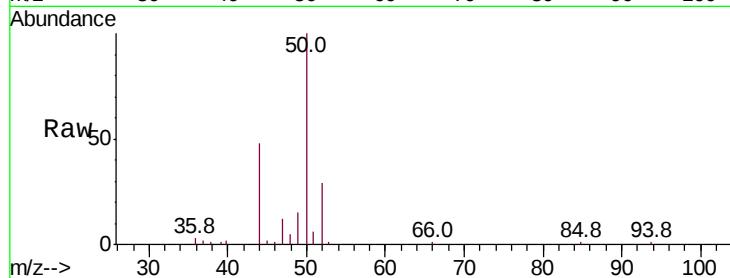
VD0621SBS01

Tot Ion: 50 Resp: 175903

Ion Ratio Lower Upper

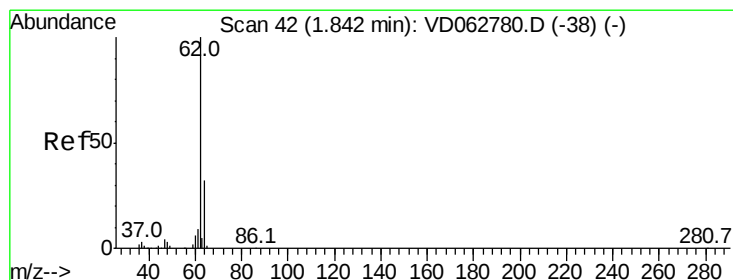
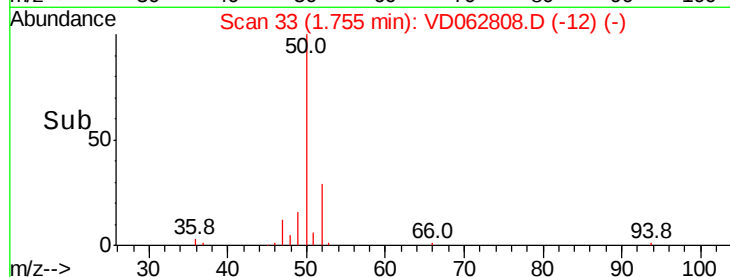
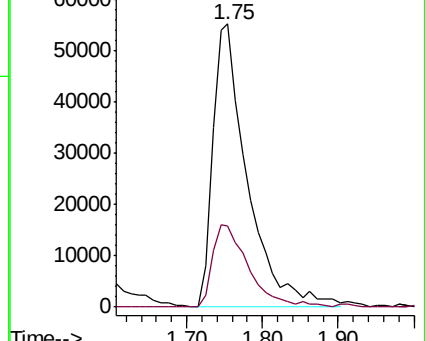
50 100

52 28.6 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: 20.178 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062808.D

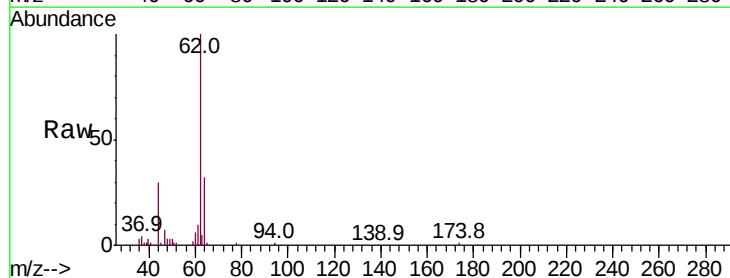
Acq: 21 Jun 2019 11:31

Tgt Ion: 62 Resp: 160857

Ion Ratio Lower Upper

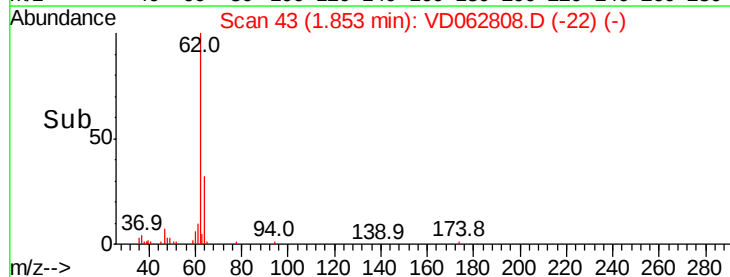
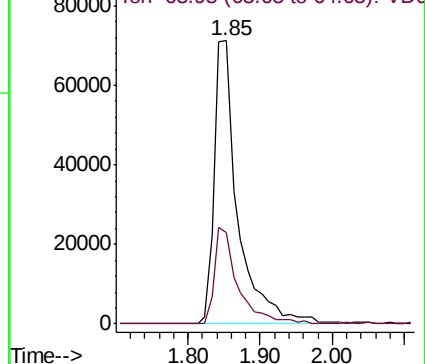
62 100

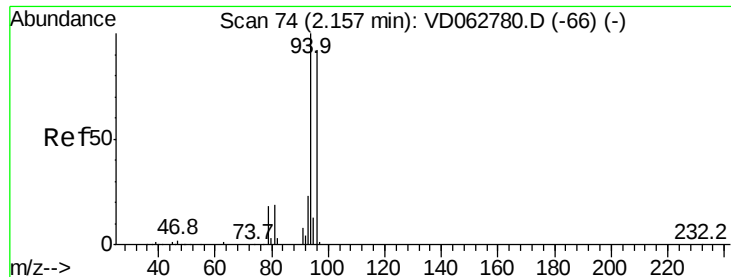
64 32.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.888 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

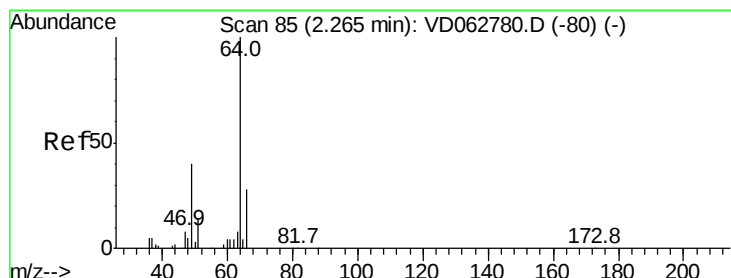
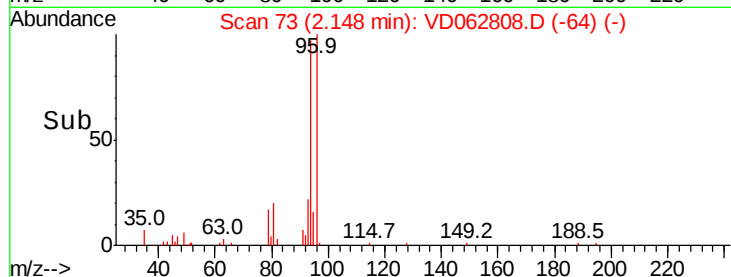
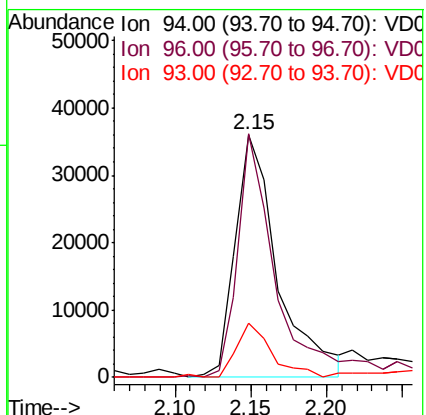
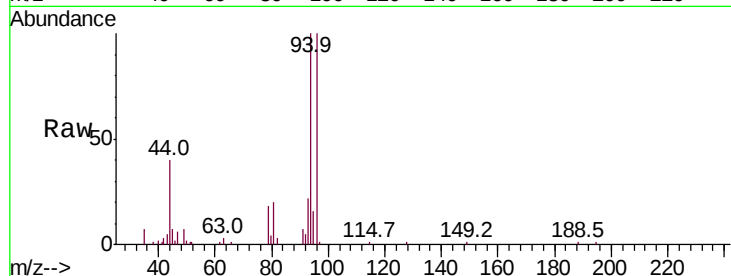
Tot Ion: 94 Resp: 70515

Ion	Ratio	Lower	Upper
94	100		
96	100.4	73.4	110.2
93	22.3	18.2	27.4

94 100

96 100.4 73.4 110.2

93 22.3 18.2 27.4



#6

Chloroethane

Concen: 21.938 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062808.D

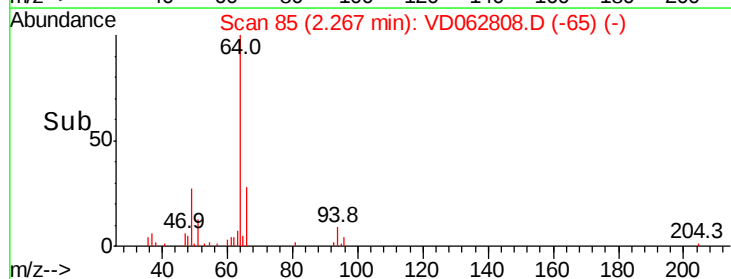
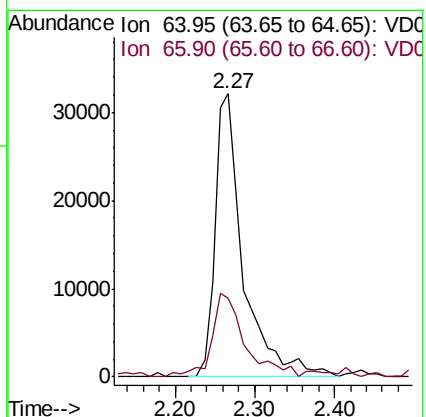
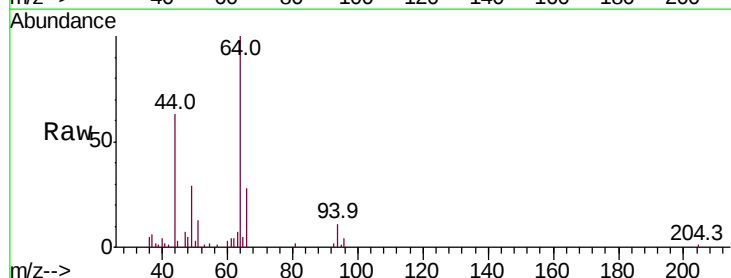
Acq: 21 Jun 2019 11:31

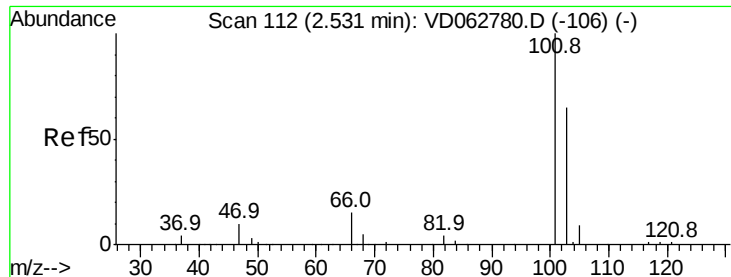
Tgt Ion: 64 Resp: 79177

Ion	Ratio	Lower	Upper
64	100		
66	27.9	23.0	34.4

64 100

66 27.9 23.0 34.4



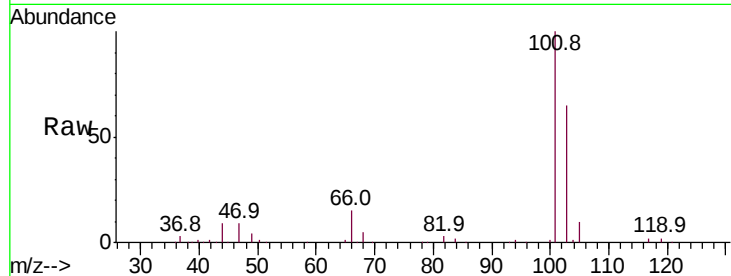


#7

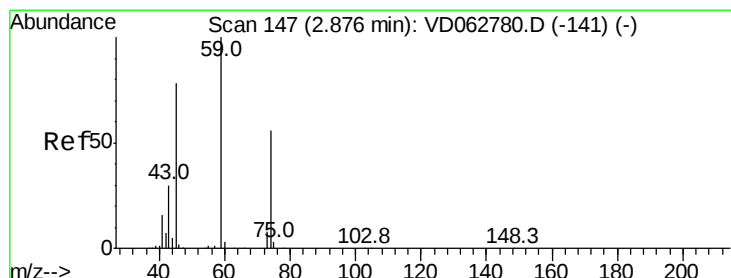
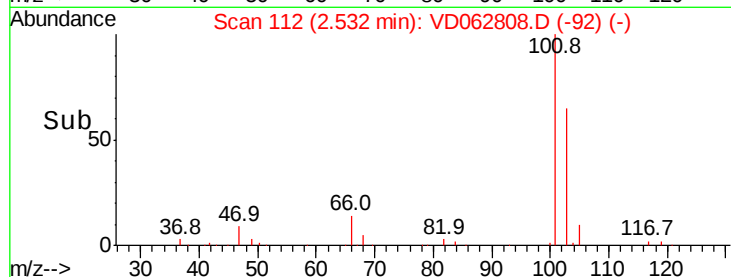
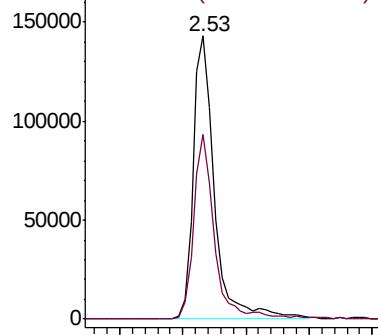
Trichlorofluoromethane
Concen: 20.852 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion:101 Resp: 336415
Ion Ratio Lower Upper
101 100
103 65.4 51.8 77.8



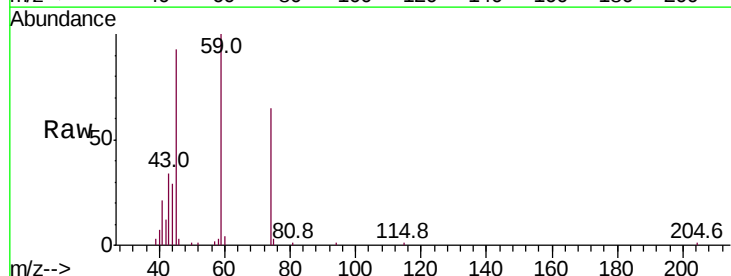
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



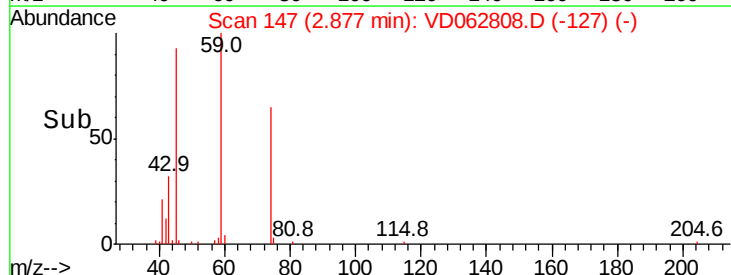
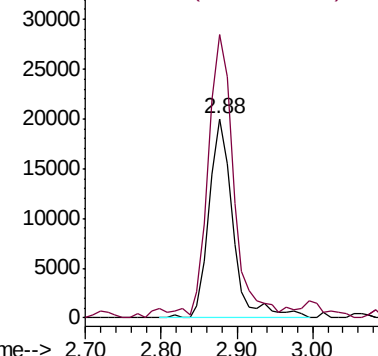
#8

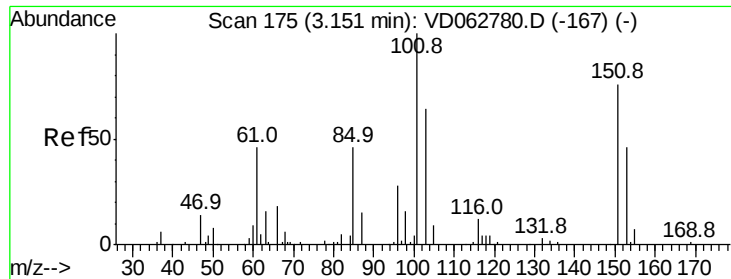
Diethyl Ether
Concen: 21.197 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 74 Resp: 43451
Ion Ratio Lower Upper
74 100
45 142.2 70.2 210.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.186 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

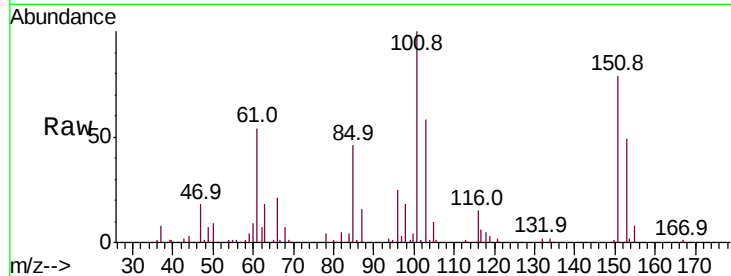
Tot Ion:101 Resp: 185176

Ion Ratio Lower Upper

101 100

85 45.9 37.0 55.4

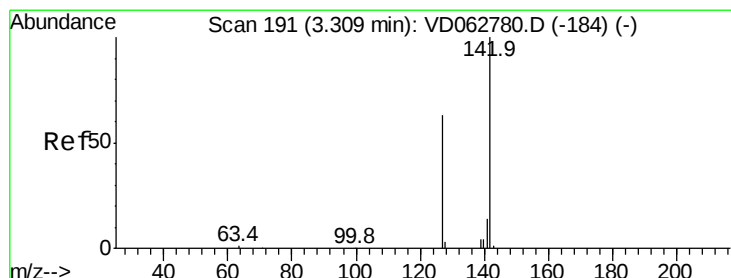
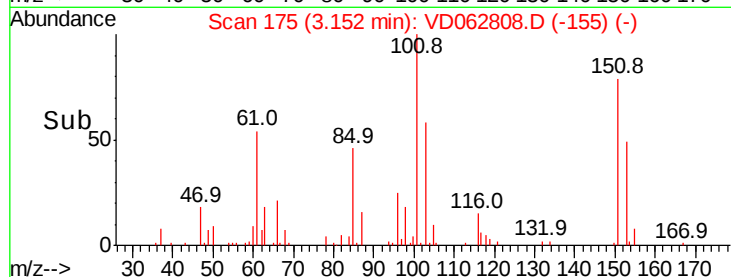
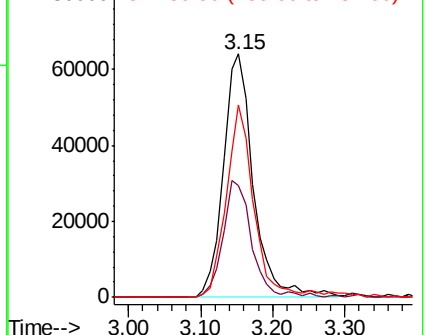
151 78.9 60.5 90.7



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: 16.420 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

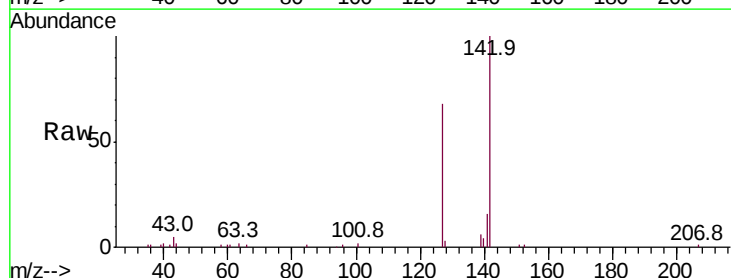
Tgt Ion:142 Resp: 189338

Ion Ratio Lower Upper

142 100

127 67.5 50.1 75.1

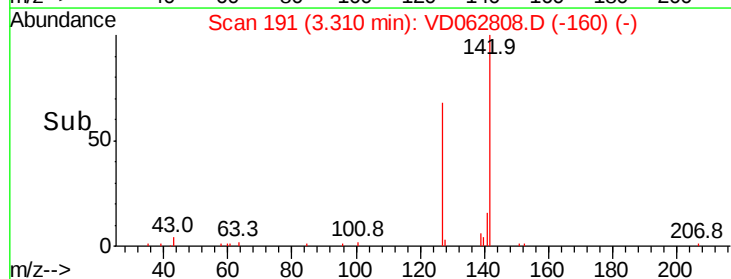
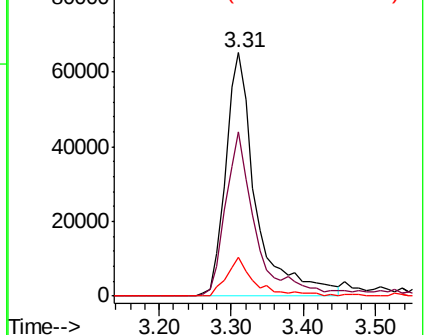
141 16.0 11.0 16.4

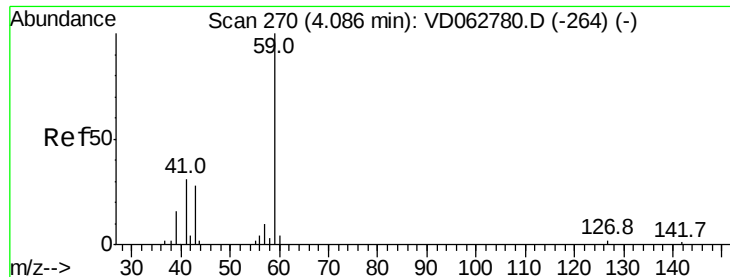


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



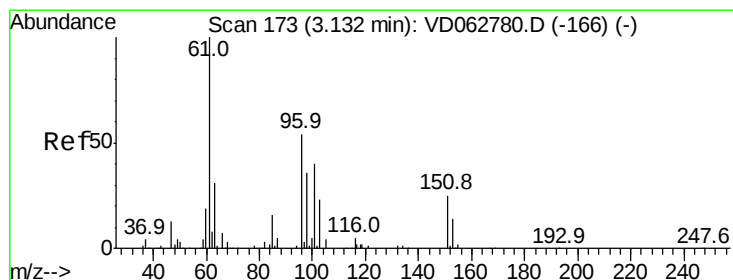
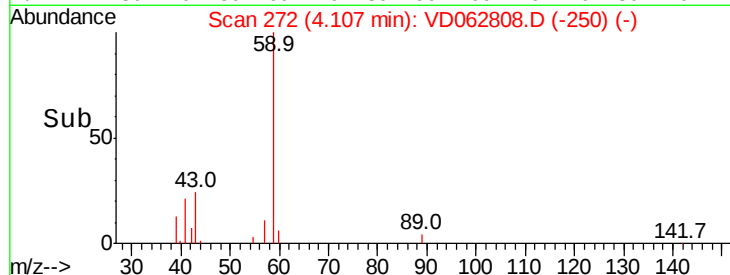
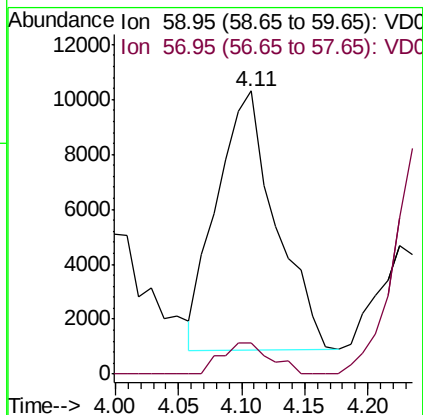
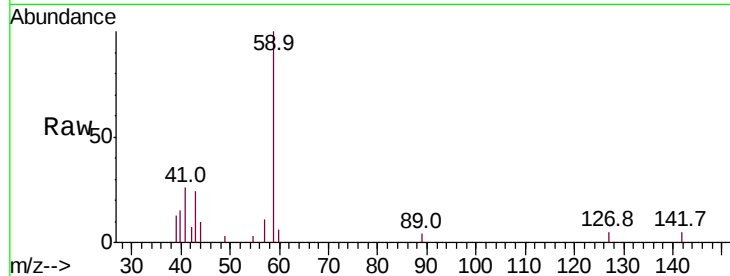


#11

Tert butyl alcohol
Concen: 74.605 ug/l
RT: 4.11 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

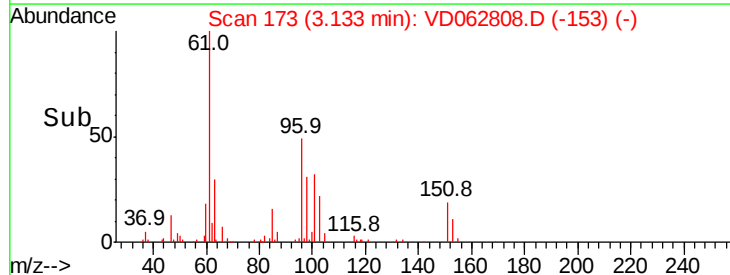
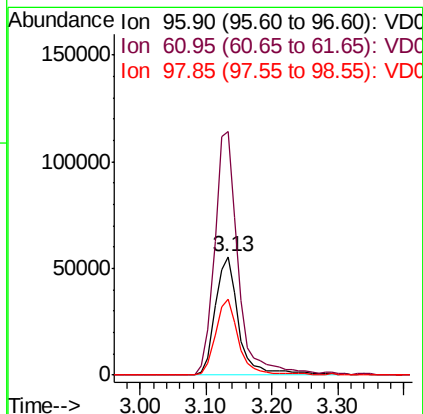
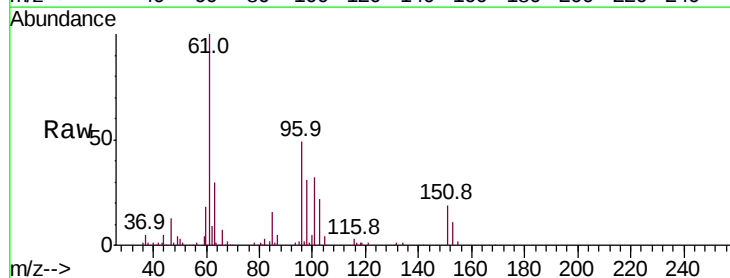
Tot Ion: 59 Resp: 30514
Ion Ratio Lower Upper
59 100
57 10.8 6.6 10.0#

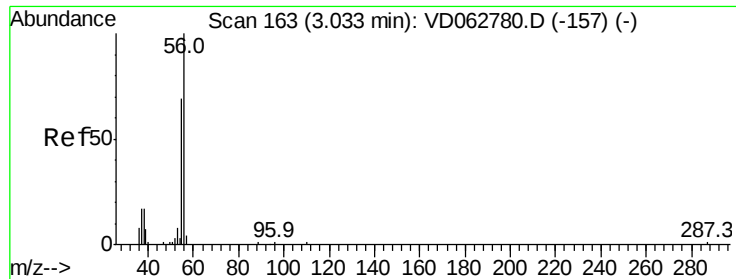


#12

1,1-Dichloroethene
Concen: 21.043 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 96 Resp: 137976
Ion Ratio Lower Upper
96 100
61 205.4 147.1 220.7
98 64.4 52.6 79.0





#13

Acrolein

Concen: 85.630 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

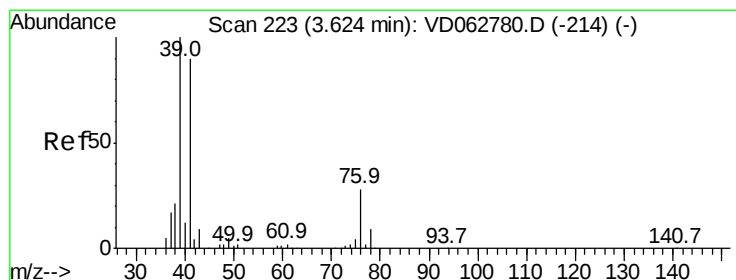
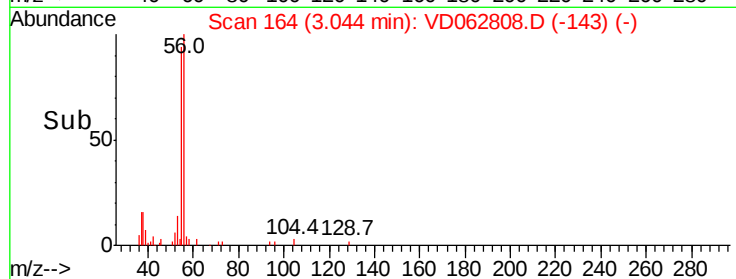
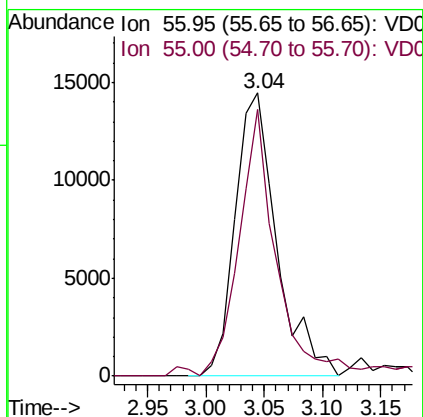
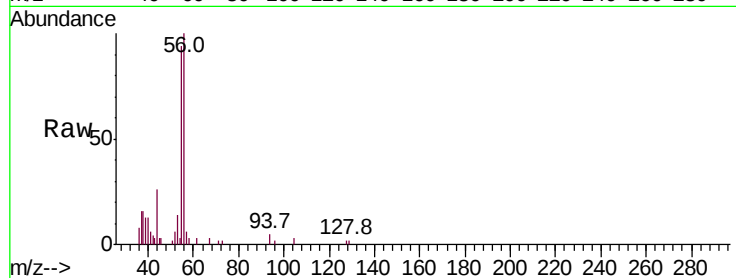
VD0621SBS01

Tot Ion: 56 Resp: 35755

Ion Ratio Lower Upper

56 100

55 94.4 55.4 83.0#



#14

Allyl chloride

Concen: 19.867 ug/l

RT: 3.63 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

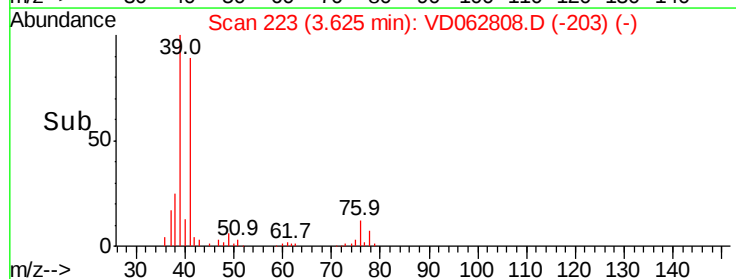
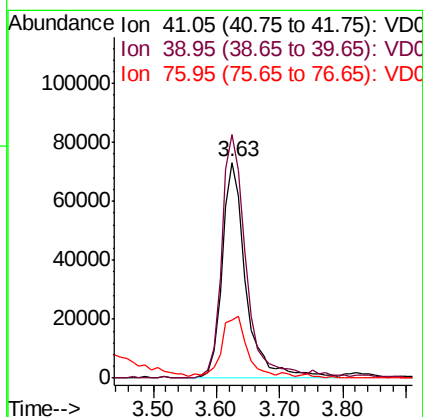
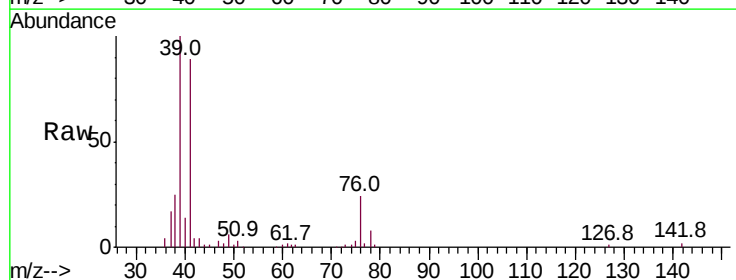
Tgt Ion: 41 Resp: 192480

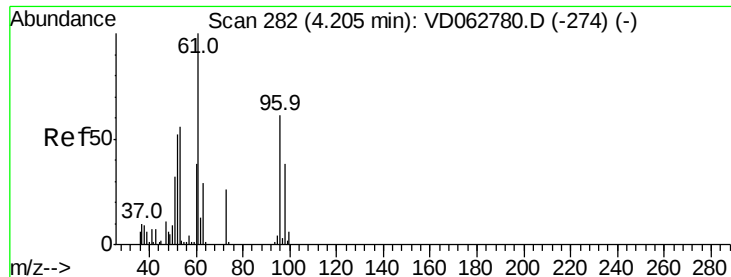
Ion Ratio Lower Upper

41 100

39 112.8 88.8 133.2

76 26.7 26.7 40.1





#15

Acrylonitrile

Concen: 96.781 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

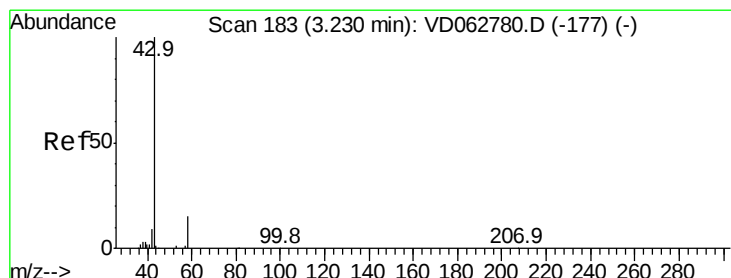
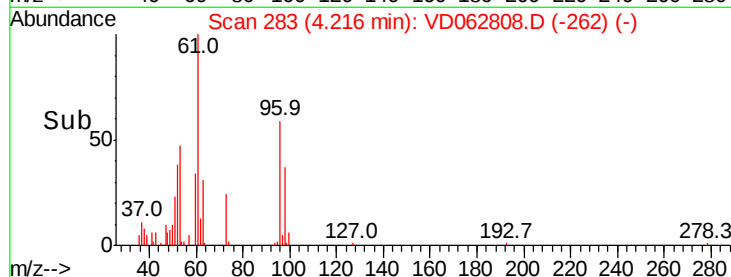
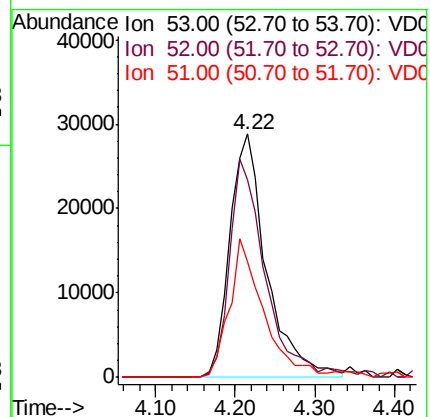
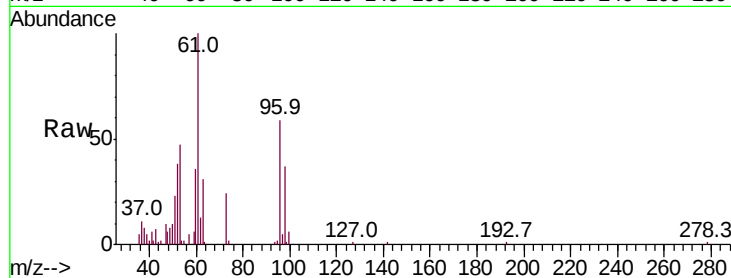
Tot Ion: 53 Resp: 93013

Ion Ratio Lower Upper

53 100

52 81.0 73.3 109.9

51 47.8 44.8 67.2



#16

Acetone

Concen: 77.975 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062808.D

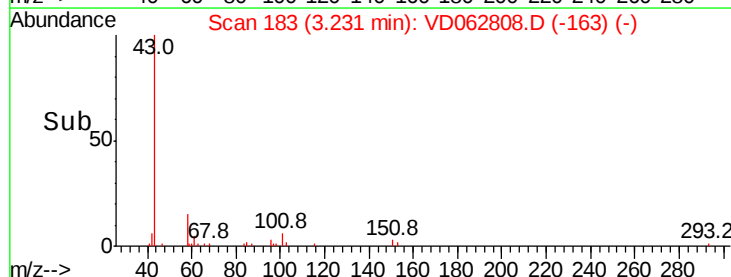
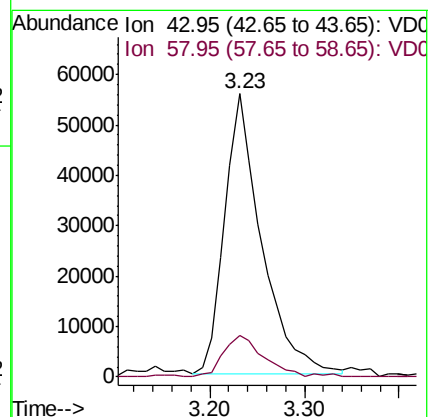
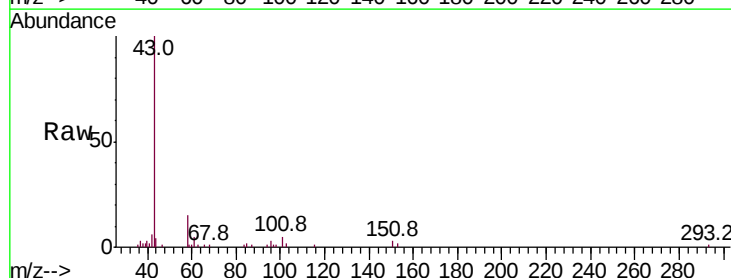
Acq: 21 Jun 2019 11:31

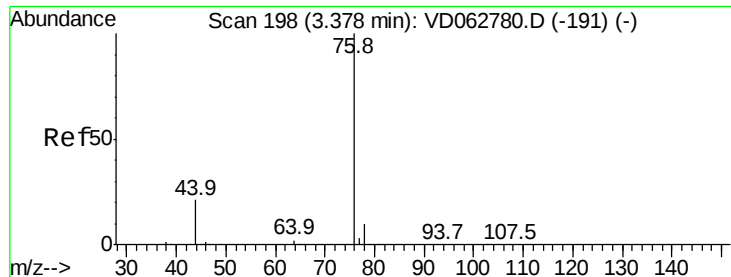
Tgt Ion: 43 Resp: 150770

Ion Ratio Lower Upper

43 100

58 14.7 11.9 17.9

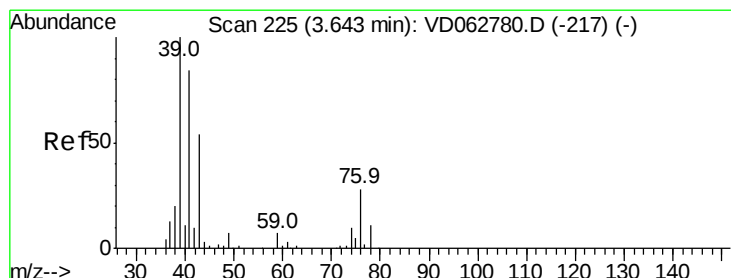
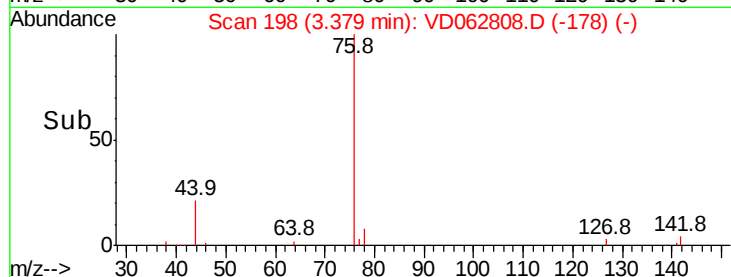
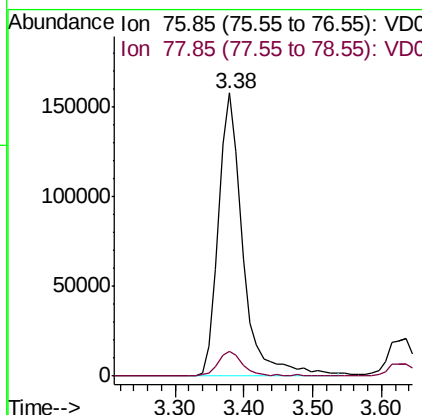
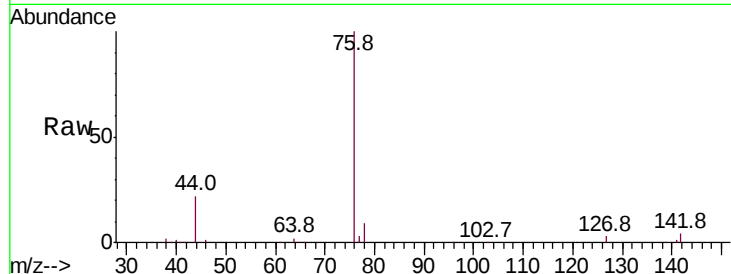




#17
Carbon Disulfide
Concen: 18.546 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

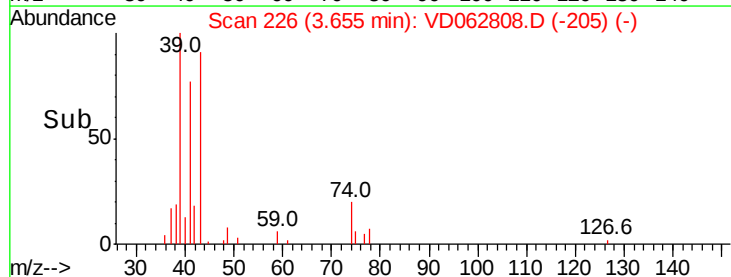
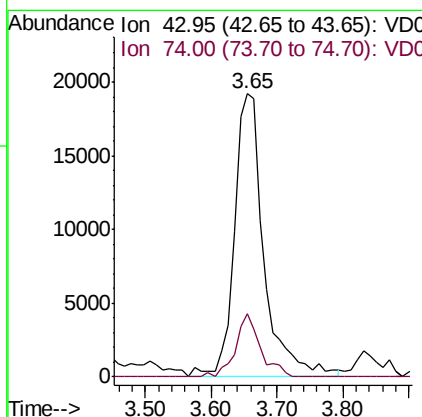
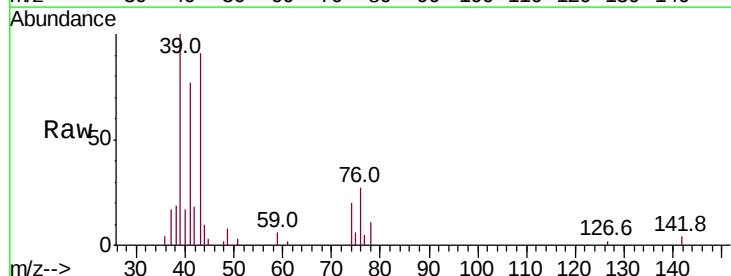
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

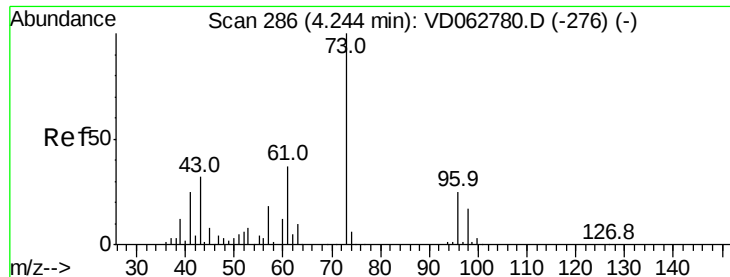
Tot Ion: 76 Resp: 388638
Ion Ratio Lower Upper
76 100
78 8.6 8.0 12.0



#18
Methyl Acetate
Concen: 22.365 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 43 Resp: 60630
Ion Ratio Lower Upper
43 100
74 22.2 15.2 22.8



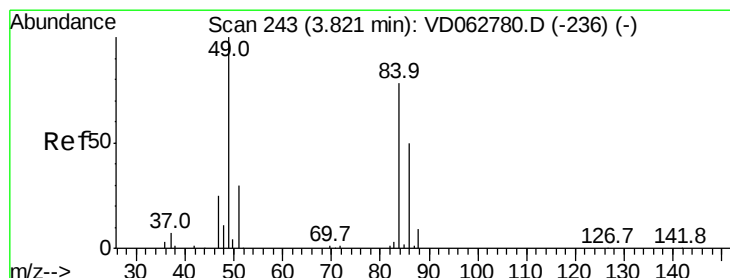
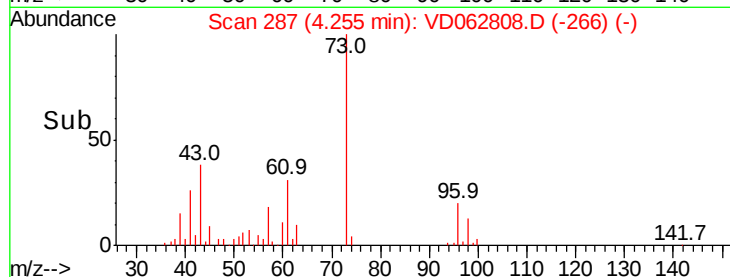
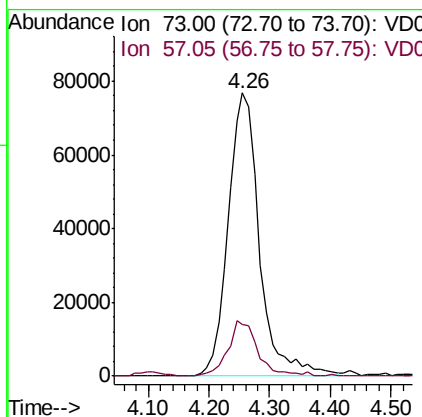
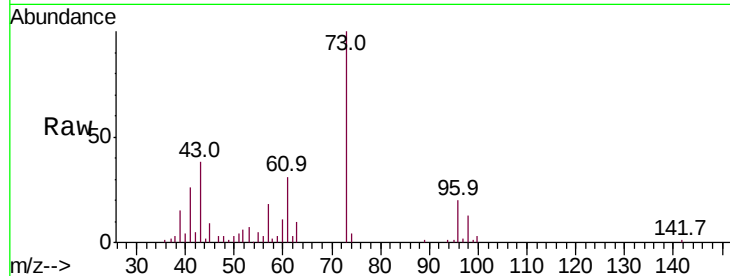


#19

Methyl tert-butyl Ether
 Concen: 19.357 ug/l
 RT: 4.26 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

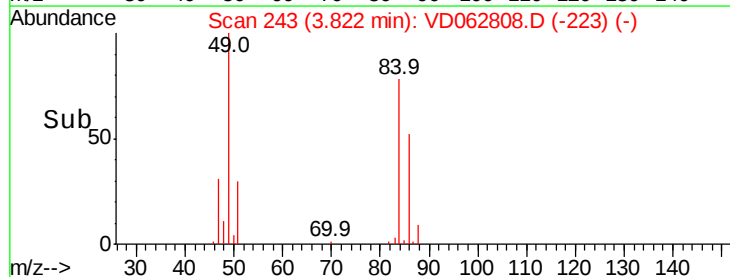
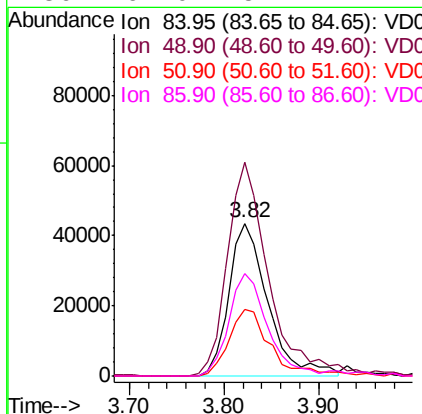
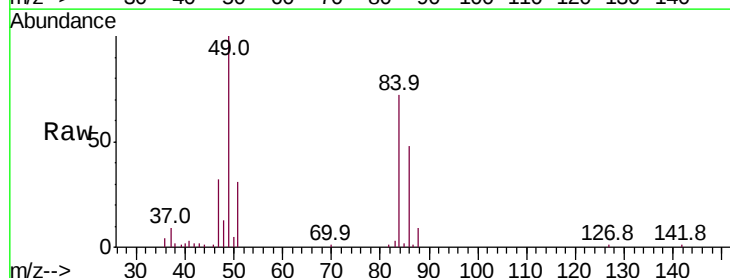
Tot Ion: 73 Resp: 274761
 Ion Ratio Lower Upper
 73 100
 57 18.5 14.3 21.5

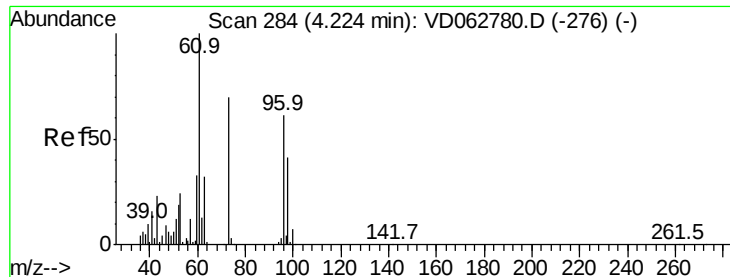


#20

Methylene Chloride
 Concen: 18.116 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Tgt Ion: 84 Resp: 124076
 Ion Ratio Lower Upper
 84 100
 49 139.7 102.9 154.3
 51 43.8 31.2 46.8
 86 67.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.764 ug/l

RT: 4.24 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

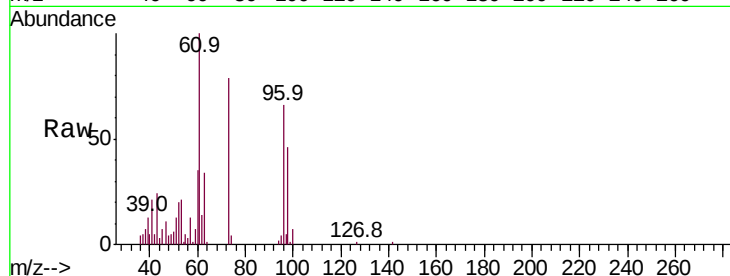
Tot Ion: 96 Resp: 131001

Ion Ratio Lower Upper

96 100

61 152.6 131.0 196.4

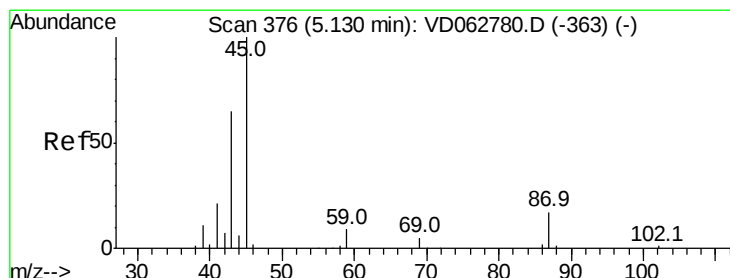
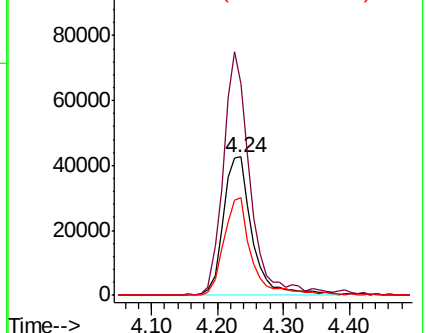
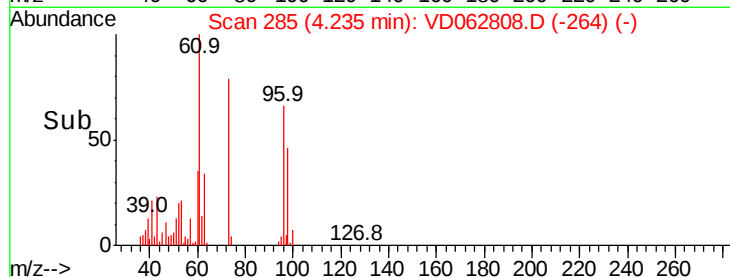
98 70.4 53.2 79.8



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: 20.243 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Tgt Ion: 45 Resp: 398852

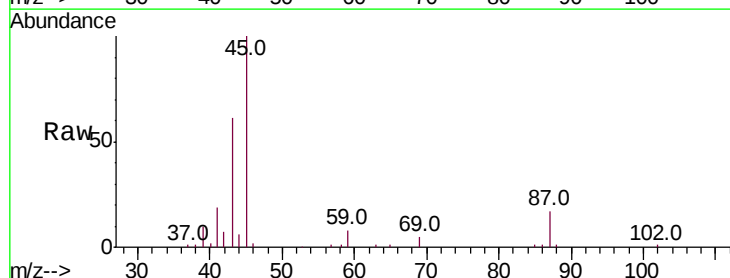
Ion Ratio Lower Upper

45 100

43 60.6 53.4 80.0

87 17.5 14.6 22.0

59 8.0 7.8 11.8

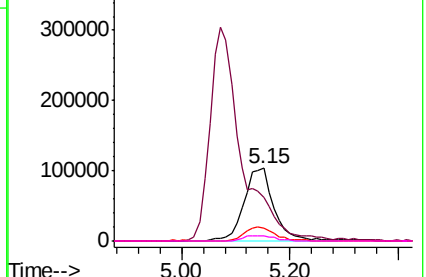
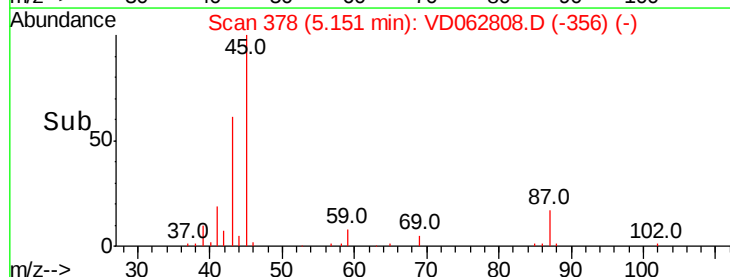


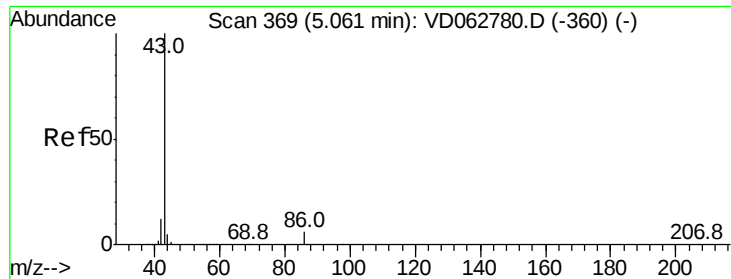
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

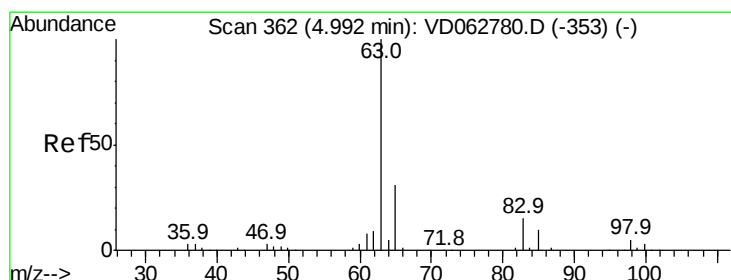
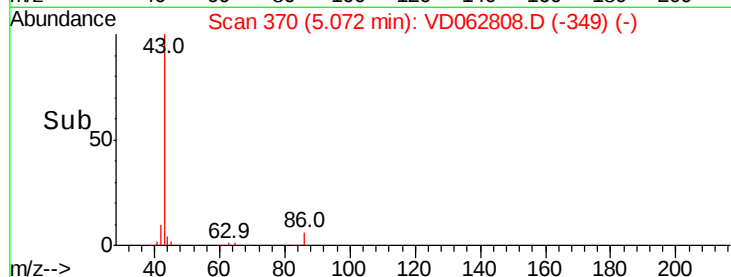
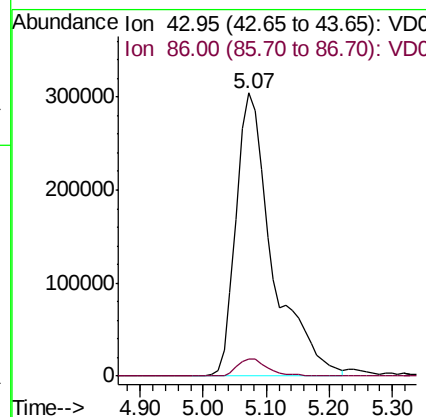
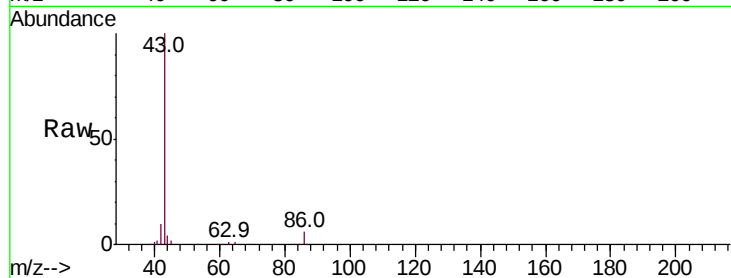




#23
 Vinyl Acetate
 Concen: 98.595 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

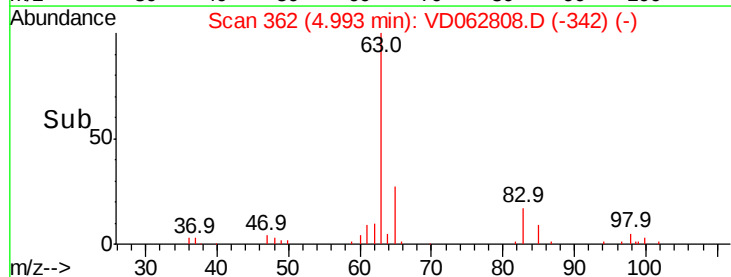
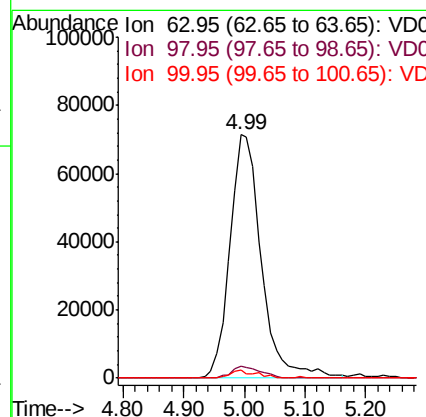
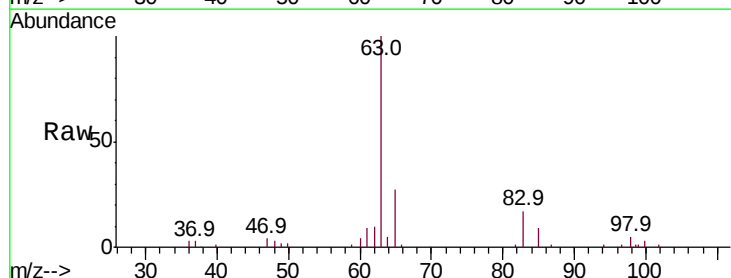
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

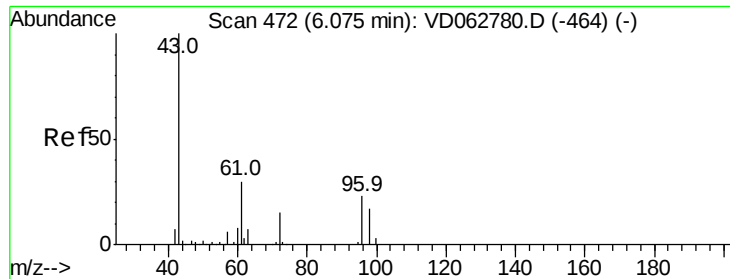
Tot Ion: 43 Resp: 1215565
 Ion Ratio Lower Upper
 43 100
 86 6.2 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 20.016 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Tgt Ion: 63 Resp: 256767
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.3 6.9
 100 3.1 1.7 5.1





#25

2-Butanone

Concen: 96.586 ug/l

RT: 6.10 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

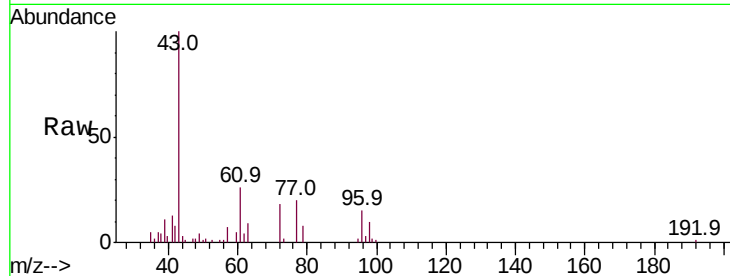
VD0621SBS01

Tot Ion: 43 Resp: 162227

Ion Ratio Lower Upper

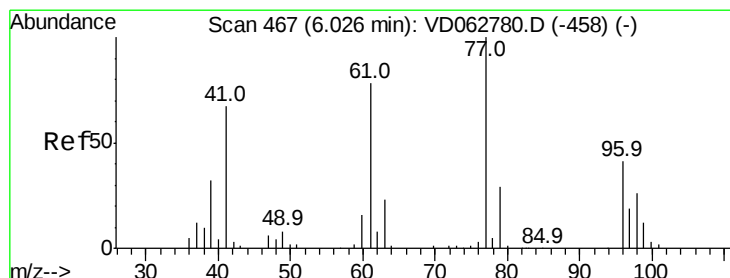
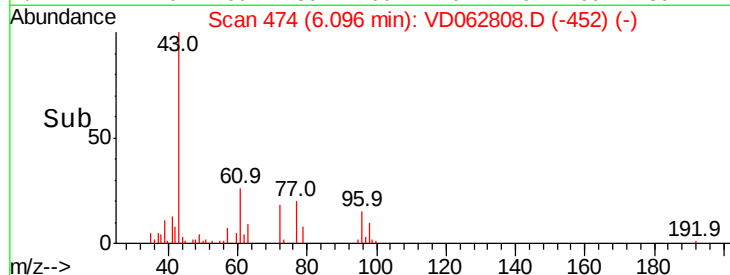
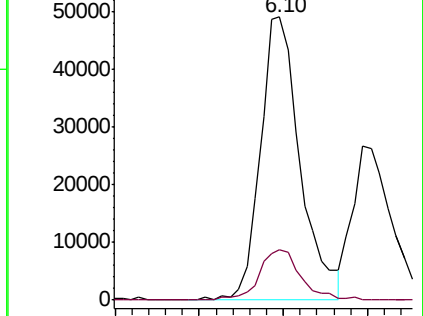
43 100

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: 20.353 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062808.D

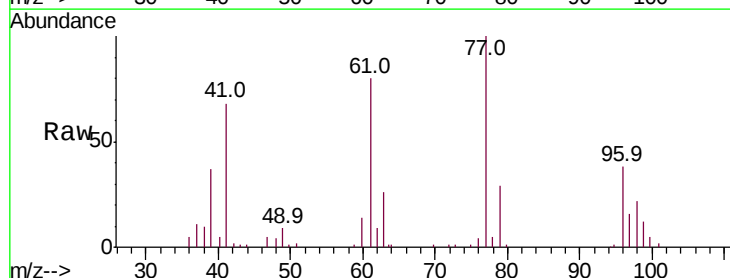
Acq: 21 Jun 2019 11:31

Tgt Ion: 77 Resp: 276739

Ion Ratio Lower Upper

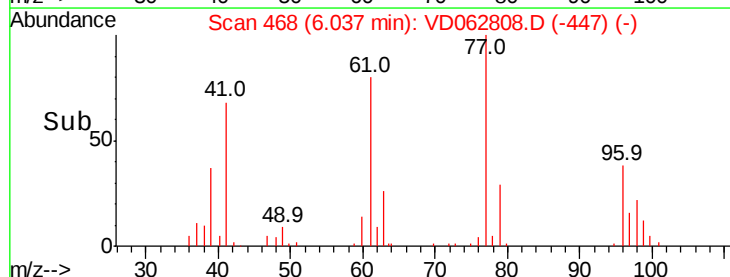
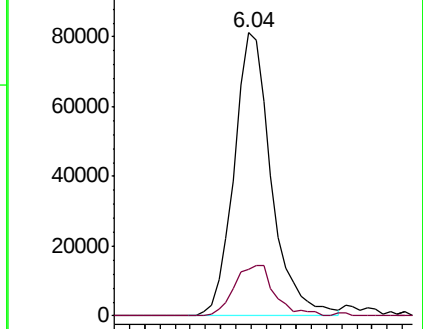
77 100

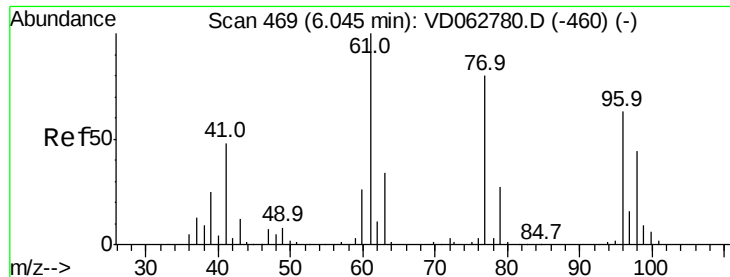
97 16.3 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



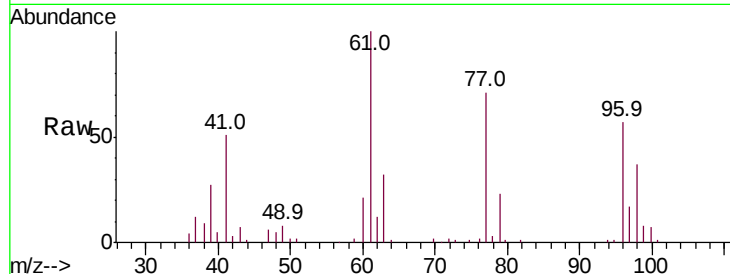


#27

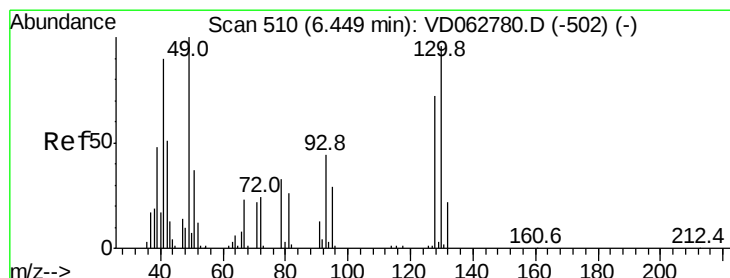
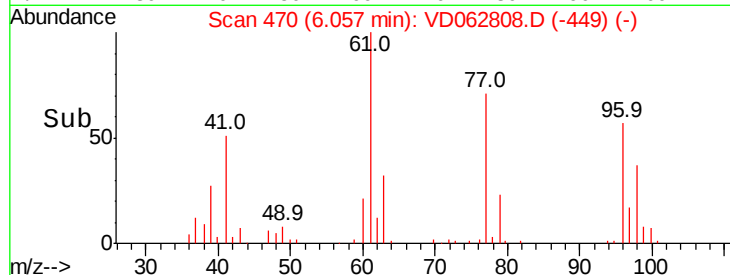
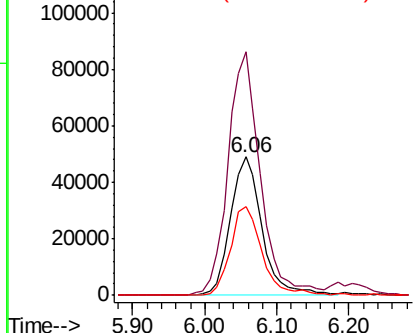
cis-1,2-Dichloroethene
Concen: 20.231 ug/l
RT: 6.06 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion: 96 Resp: 149362
Ion Ratio Lower Upper
96 100
61 175.8 0.0 316.0
98 64.4 0.0 138.4



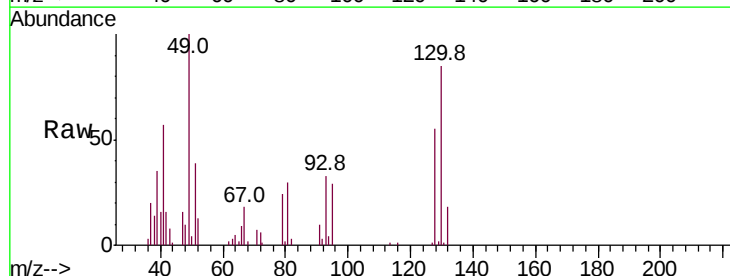
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



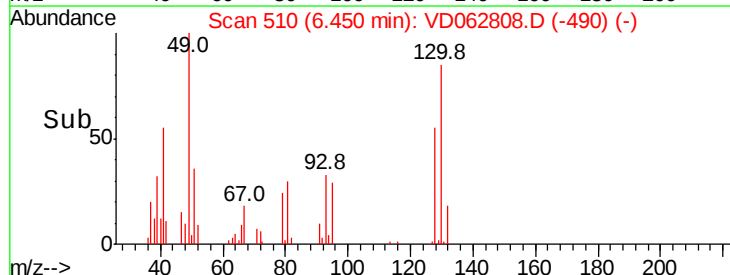
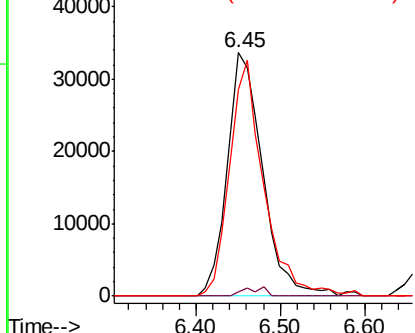
#28

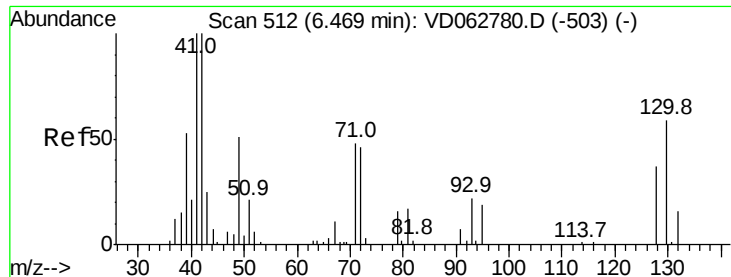
Bromochloromethane
Concen: 21.789 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 49 Resp: 98443
Ion Ratio Lower Upper
49 100
129 1.8 0.0 5.6
130 84.7 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: 97.208 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

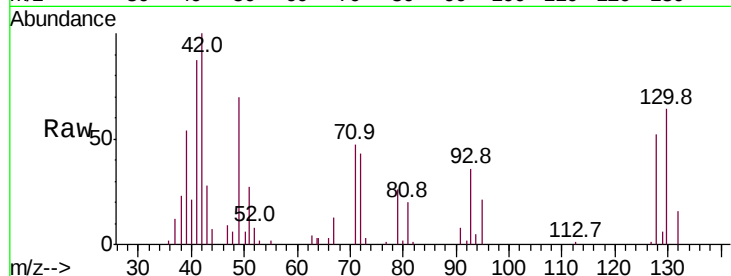
Tot Ion: 42 Resp: 77250

Ion Ratio Lower Upper

42 100

72 42.9 35.0 52.6

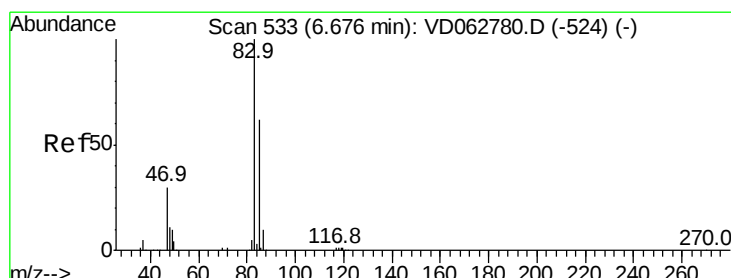
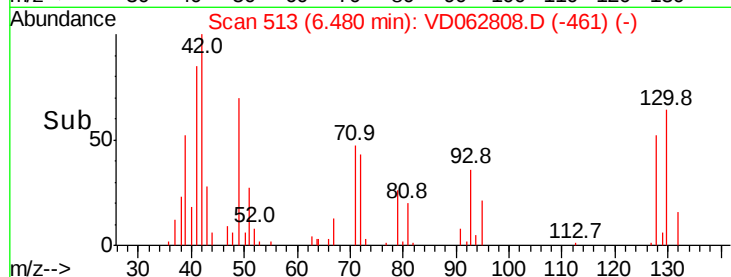
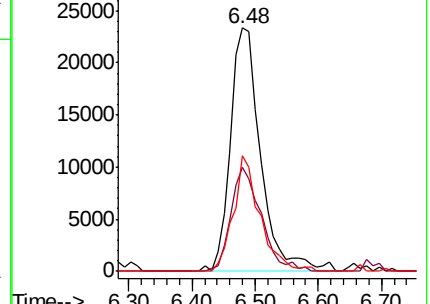
71 41.8 33.3 49.9



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: 20.608 ug/l

RT: 6.69 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD062808.D

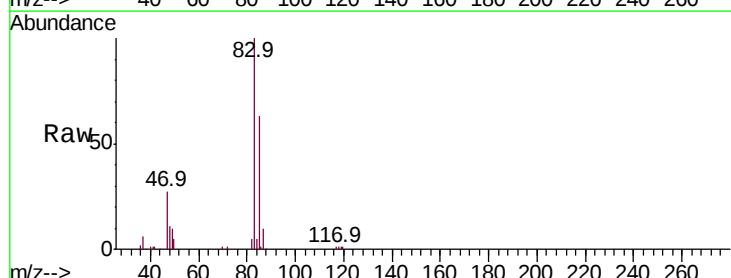
Acq: 21 Jun 2019 11:31

Tgt Ion: 83 Resp: 321510

Ion Ratio Lower Upper

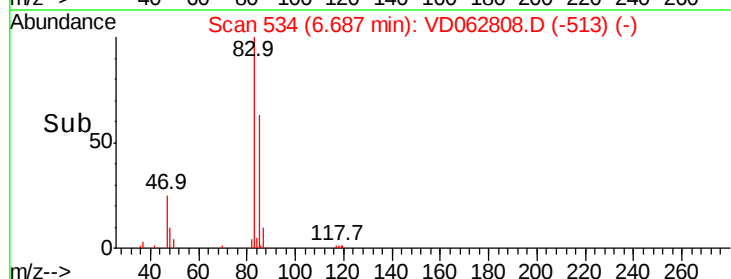
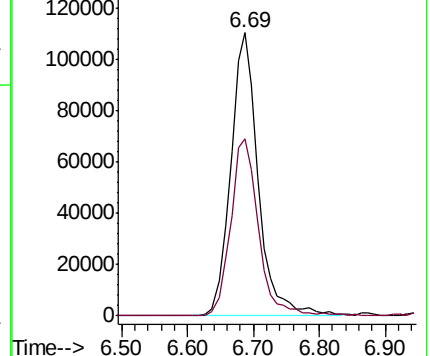
83 100

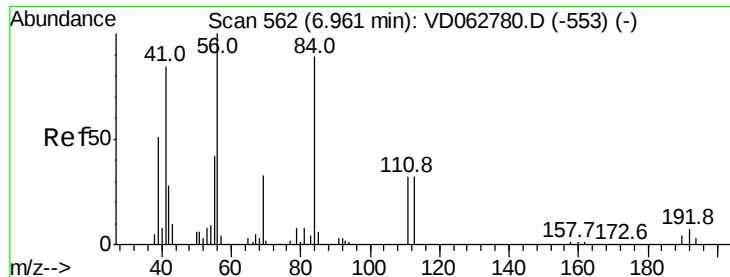
85 62.6 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

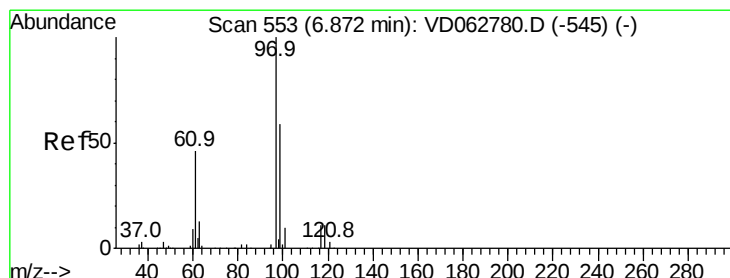
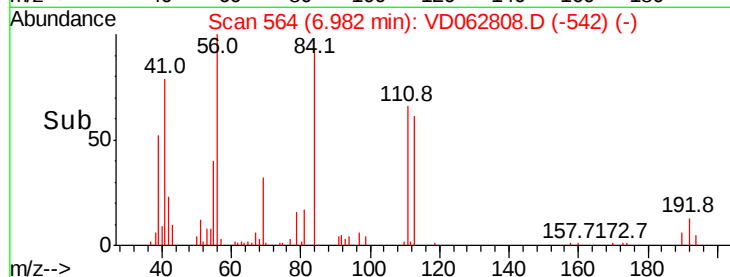
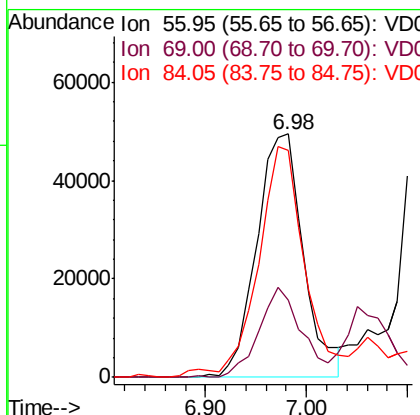
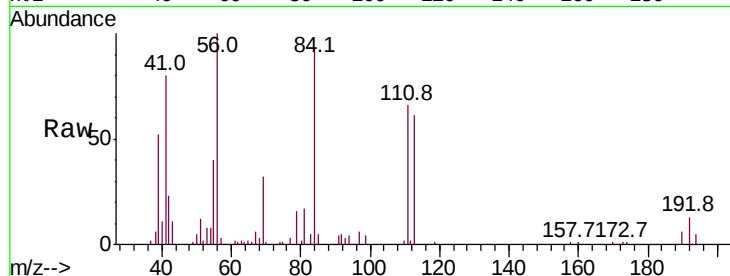




#31
Cyclohexane
Concen: 18.795 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

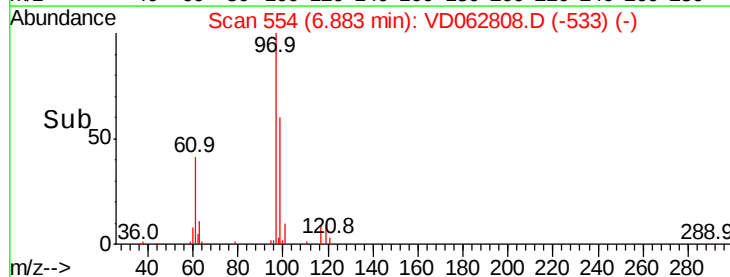
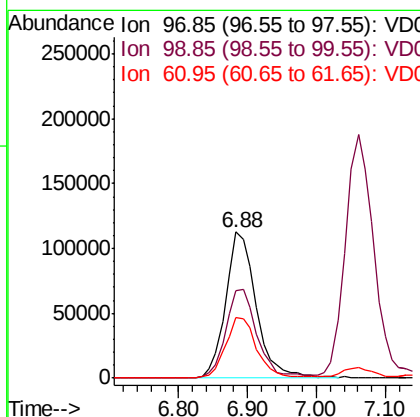
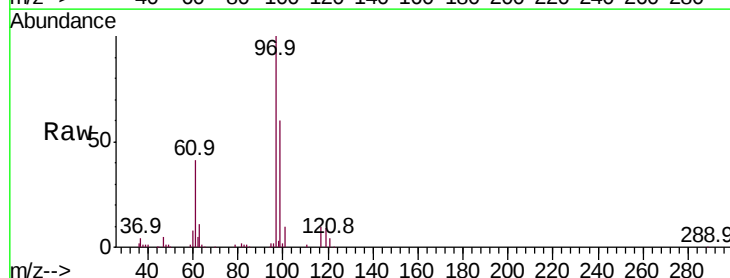
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

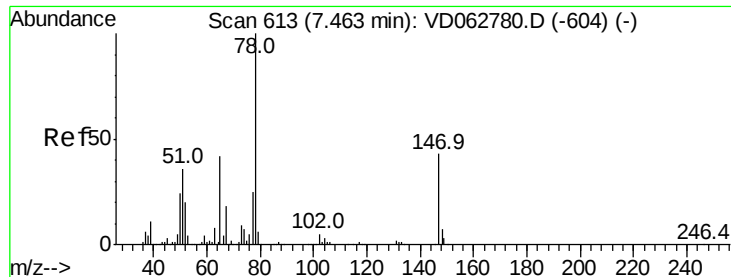
Tot Ion: 56 Resp: 158500
Ion Ratio Lower Upper
56 100
69 31.7 26.6 39.8
84 93.4 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 21.248 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 97 Resp: 345263
Ion Ratio Lower Upper
97 100
99 59.7 47.4 71.2
61 41.5 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 56.857 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

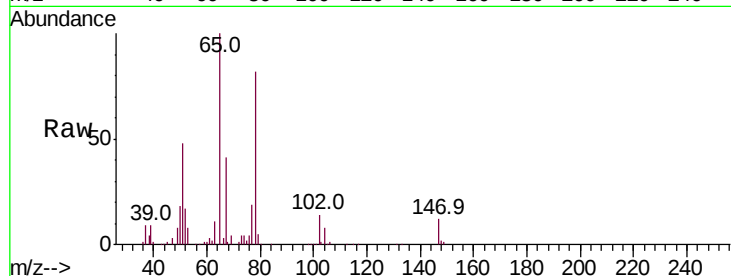
VD0621SBS01

Tot Ion: 65 Resp: 510604

Ion Ratio Lower Upper

65 100

67 41.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

200000

150000

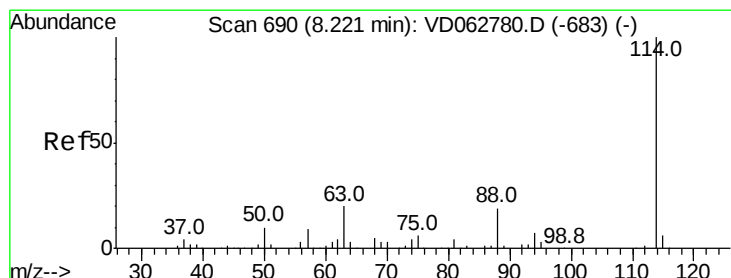
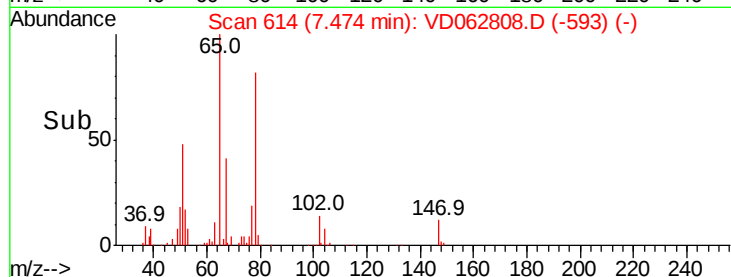
100000

50000

0

Time-->

7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

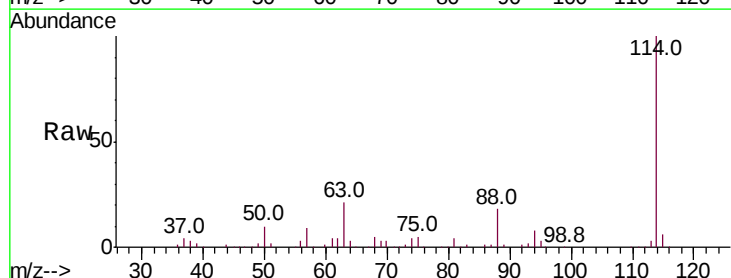
Tgt Ion: 114 Resp: 1132055

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 18.2 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

500000

400000

300000

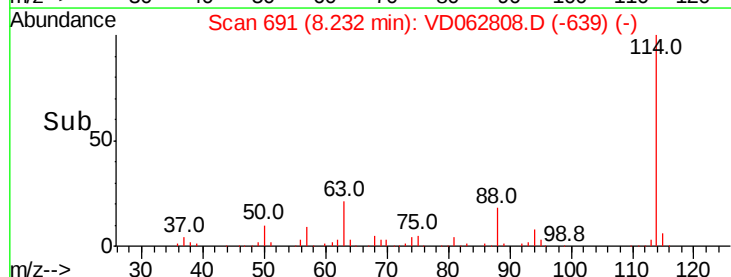
200000

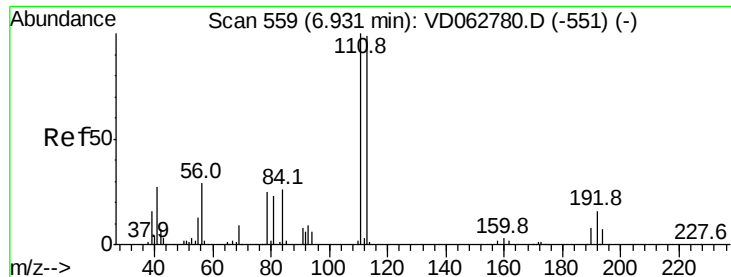
100000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 54.421 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

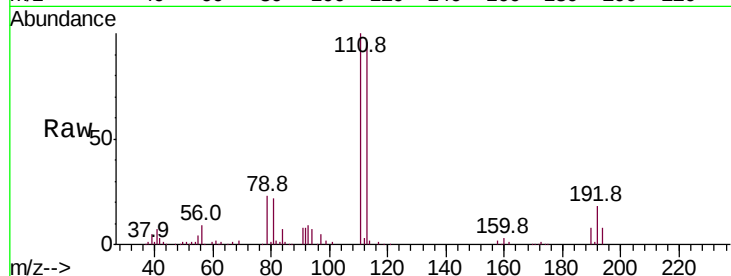
Tot Ion:113 Resp: 519474

Ion Ratio Lower Upper

113 100

111 104.1 81.2 121.8

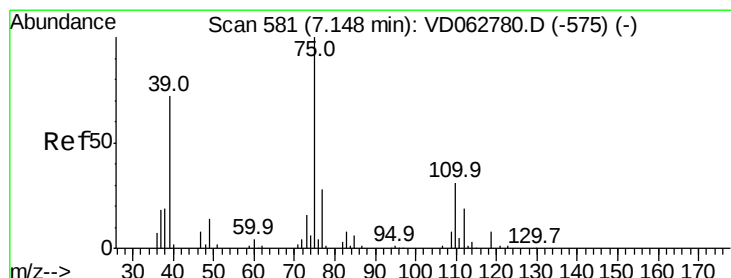
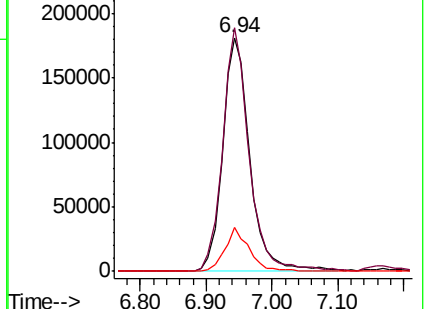
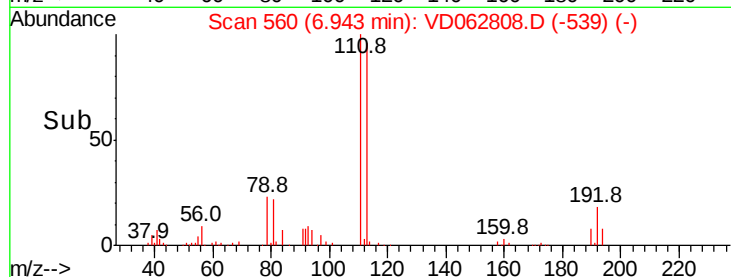
192 18.9 12.9 19.3



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: 19.304 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

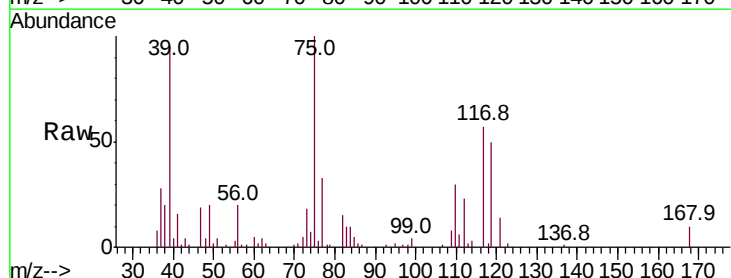
Tgt Ion: 75 Resp: 206876

Ion Ratio Lower Upper

75 100

110 29.6 15.0 45.1

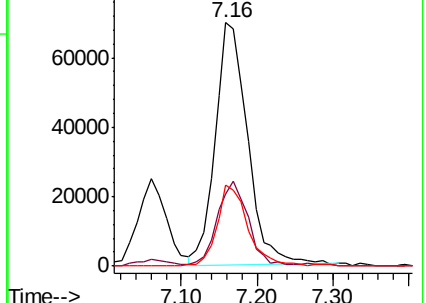
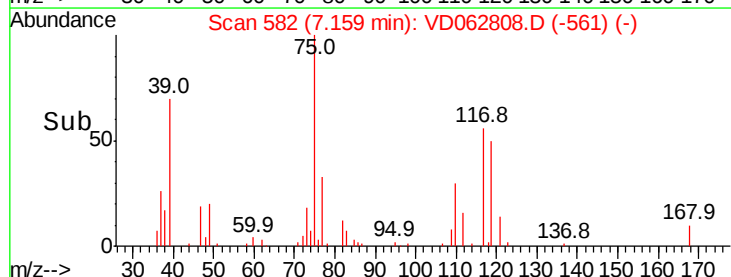
77 33.4 22.2 33.2#

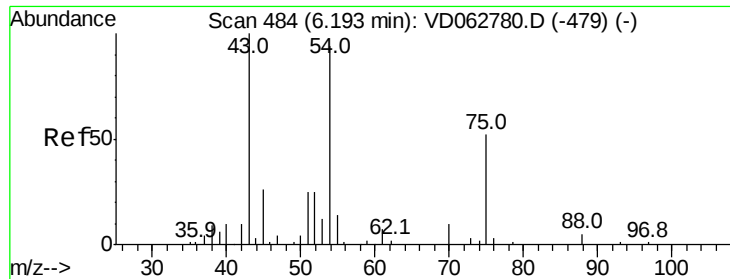


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

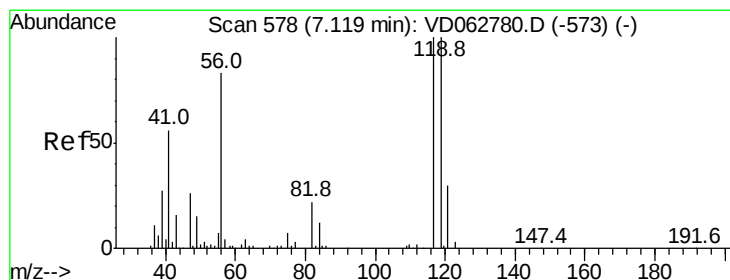
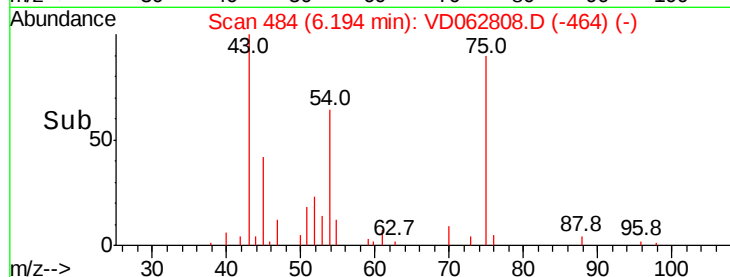
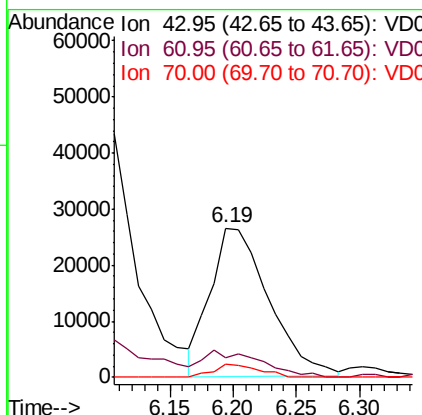
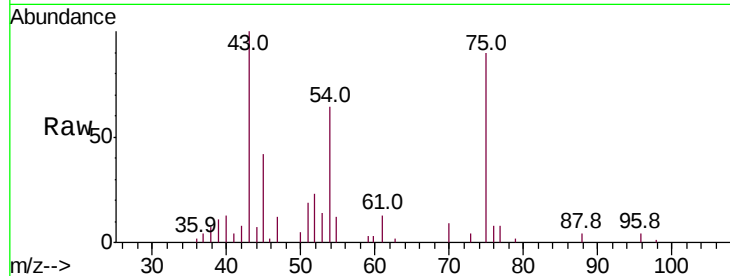




#37
Ethyl Acetate
Concen: 18.084 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

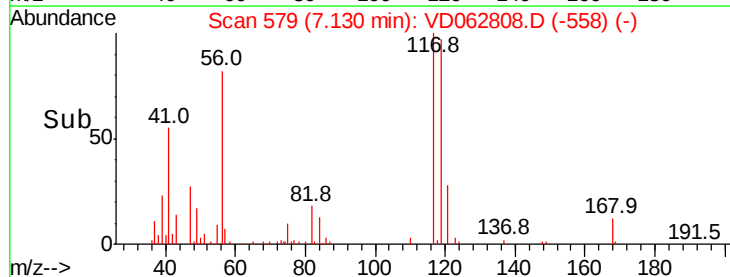
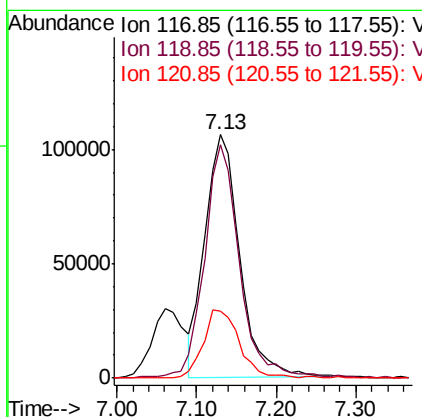
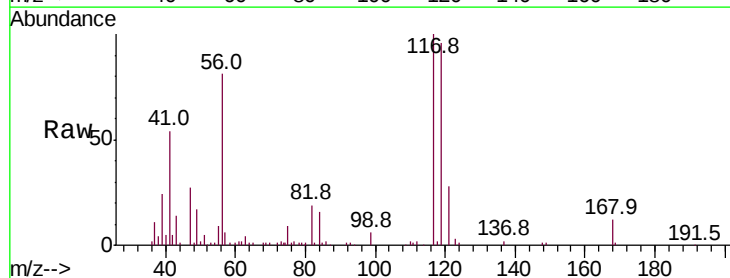
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

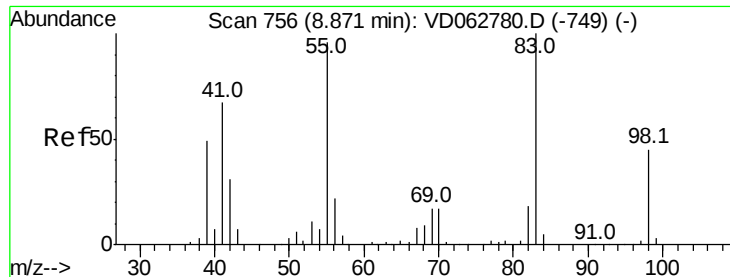
Tot Ion: 43 Resp: 84573
Ion Ratio Lower Upper
43 100
61 13.0 11.6 17.4
70 9.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 20.141 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 117 Resp: 324613
Ion Ratio Lower Upper
117 100
119 95.6 75.4 113.2
121 27.5 22.3 33.5

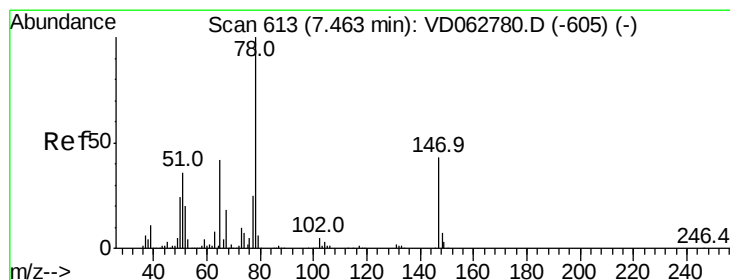
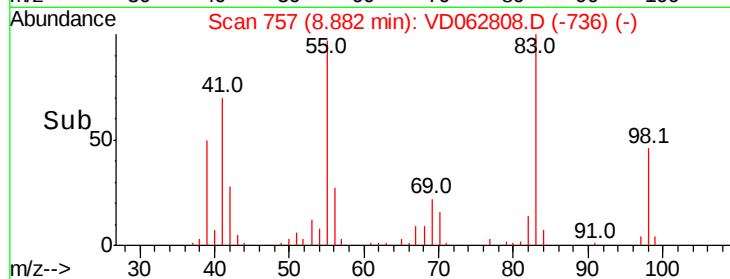
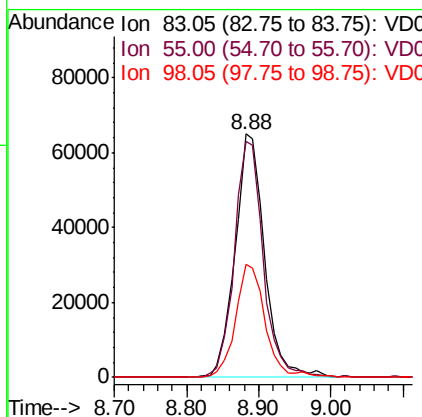
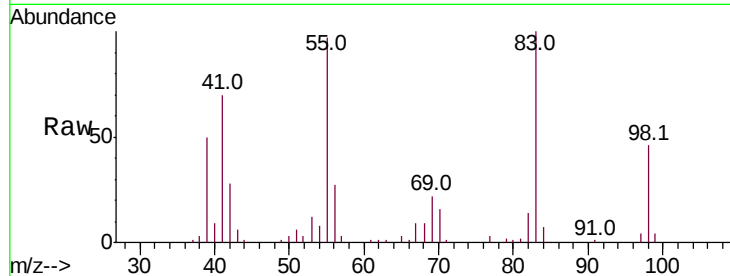




#39
Methvlcvclohexane
Concen: 19.668 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

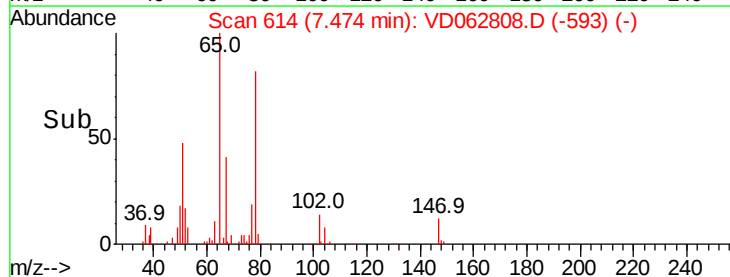
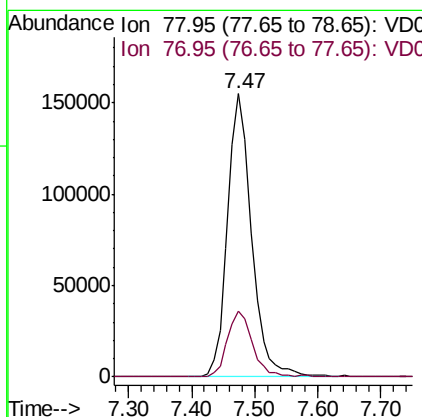
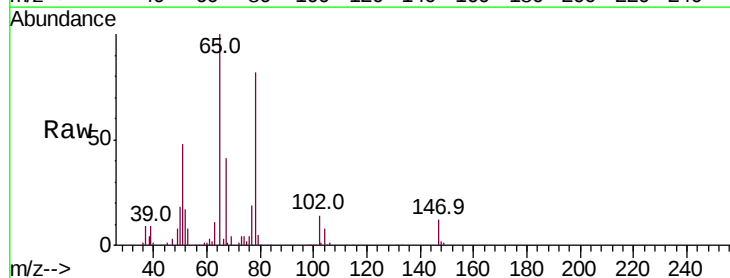
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

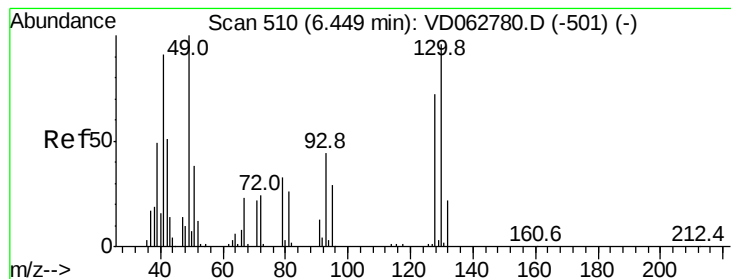
Tot Ion: 83 Resp: 185525
Ion Ratio Lower Upper
83 100
55 96.7 76.6 115.0
98 46.2 35.7 53.5



#40
Benzene
Concen: 19.072 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 78 Resp: 410257
Ion Ratio Lower Upper
78 100
77 23.3 20.2 30.2





#41

Methacrylonitrile

Concen: 18.182 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

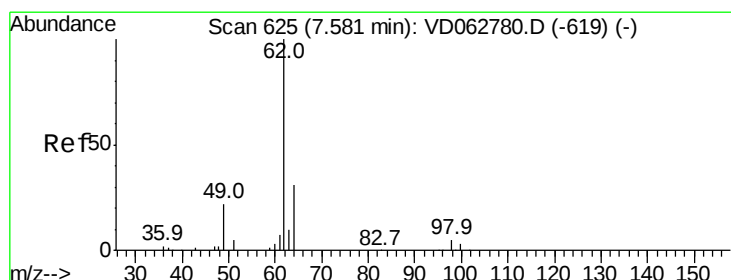
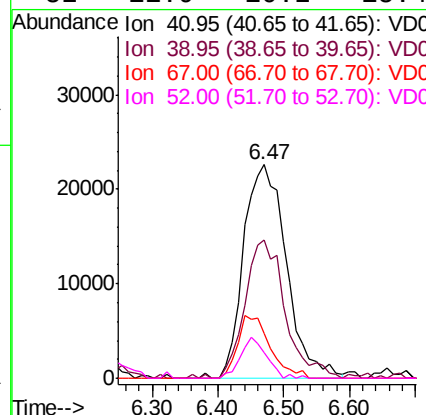
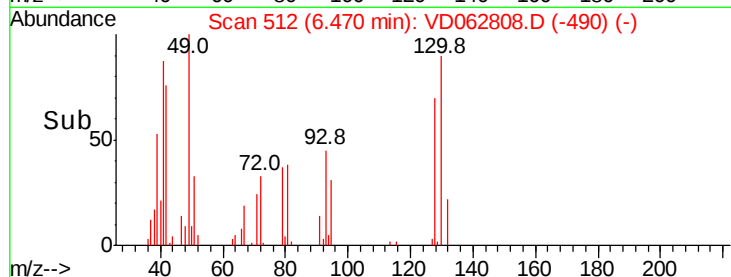
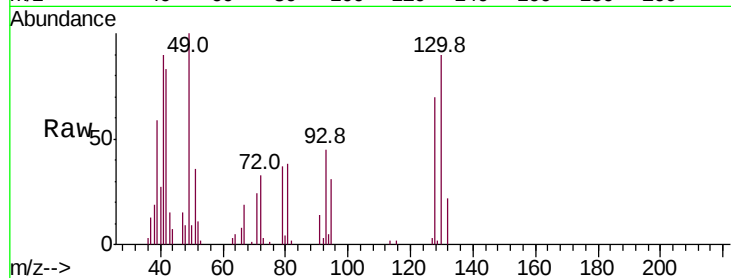
MSVOA_D

ClientSampleId :

VD0621SBS01

Tot Ion: 41 Resp: 102757

Ion	Ratio	Lower	Upper
41	100		
39	64.9	43.2	64.8#
67	21.2	19.9	29.9
52	11.9	10.2	15.4



#42

1,2-Dichloroethane

Concen: 20.482 ug/l

RT: 7.60 min Scan# 627

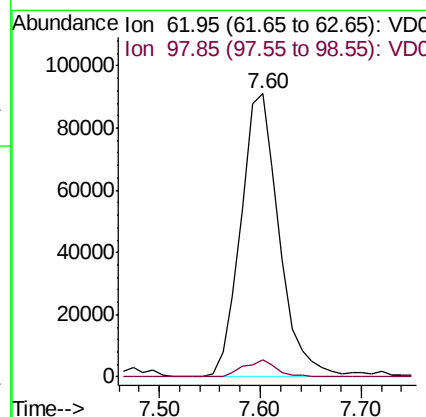
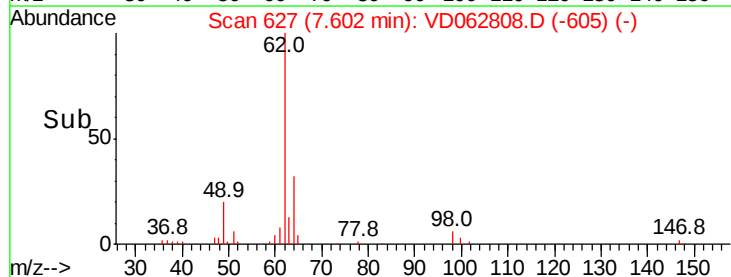
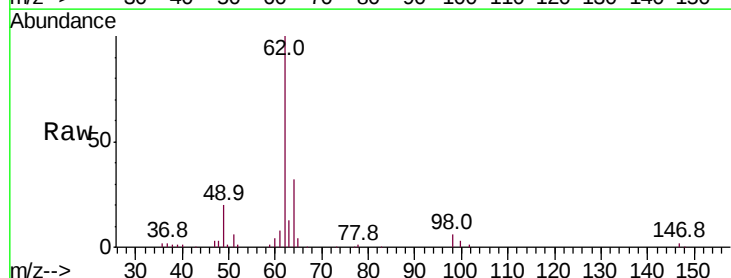
Delta R.T. 0.02 min

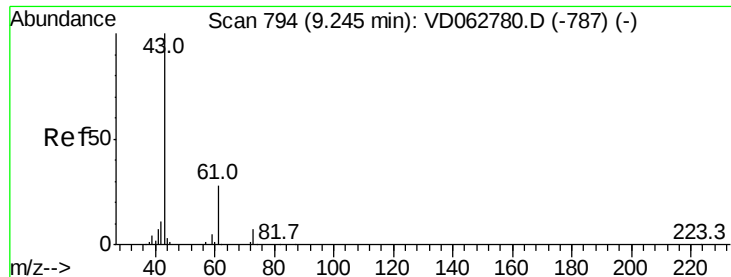
Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Tgt Ion: 62 Resp: 240355

Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	10.0





#43

Isopropyl Acetate

Concen: 20.052 ug/l

RT: 9.26 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

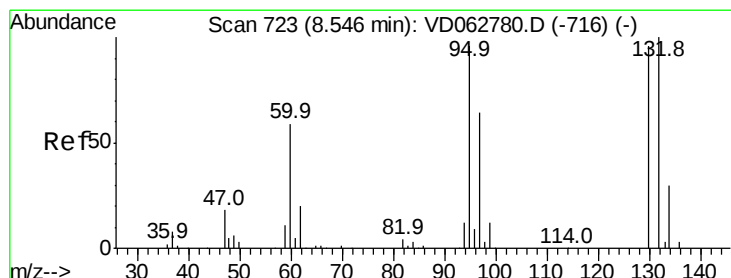
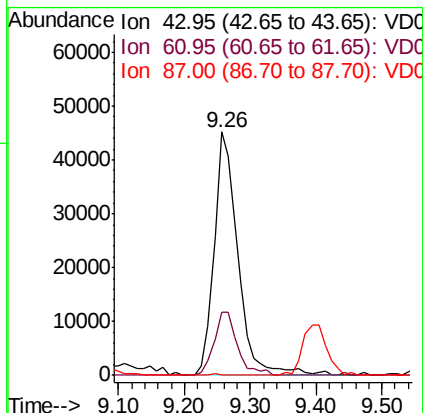
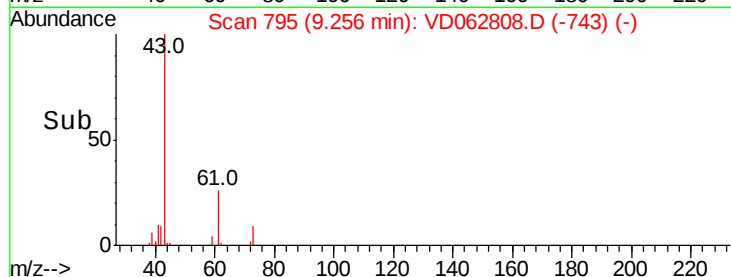
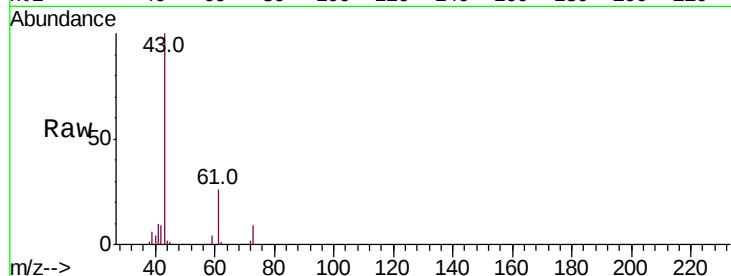
Tot Ion: 43 Resp: 112657

Ion Ratio Lower Upper

43 100

61 25.8 22.4 33.6

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 20.414 ug/l

RT: 8.56 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062808.D

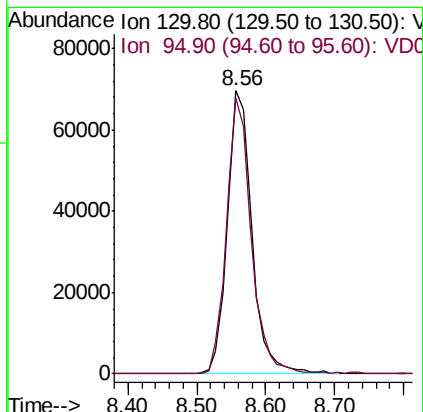
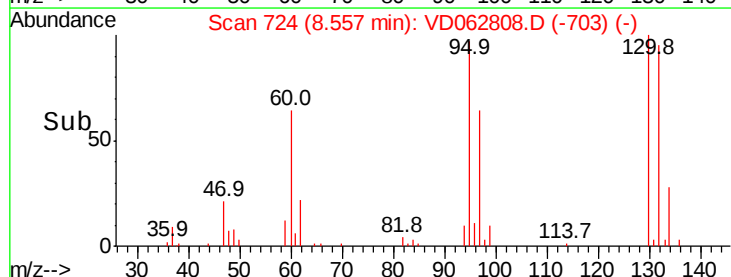
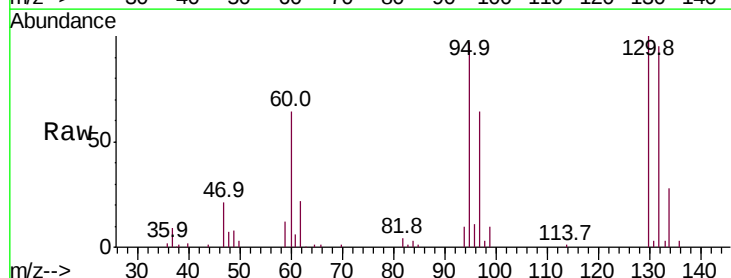
Acq: 21 Jun 2019 11:31

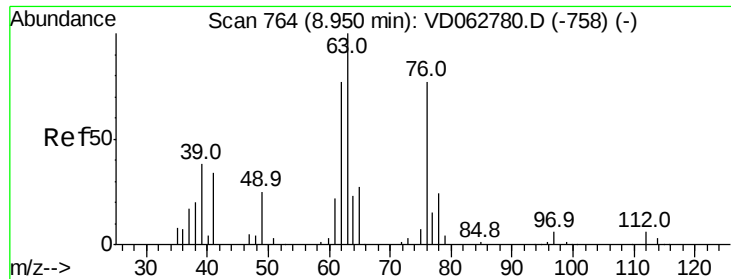
Tgt Ion: 130 Resp: 172155

Ion Ratio Lower Upper

130 100

95 97.4 0.0 201.6





#45

1,2-Dichloropropane

Concen: 18.232 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

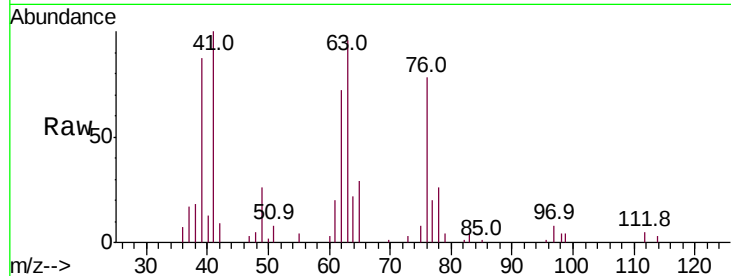
VD0621SBS01

Tot Ion: 63 Resp: 97523

Ion Ratio Lower Upper

63 100

65 30.1 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.96

40000

30000

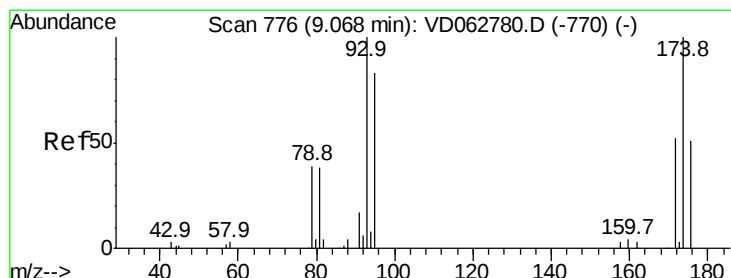
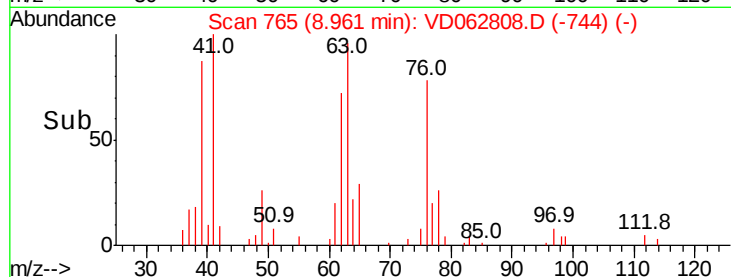
20000

10000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.199 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

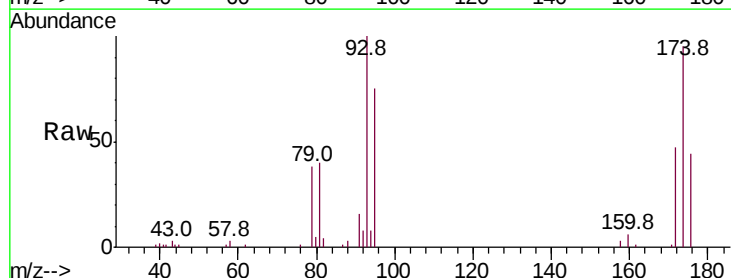
Tgt Ion: 93 Resp: 92809

Ion Ratio Lower Upper

93 100

95 74.6 66.6 100.0

174 94.9 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

60000

50000

40000

30000

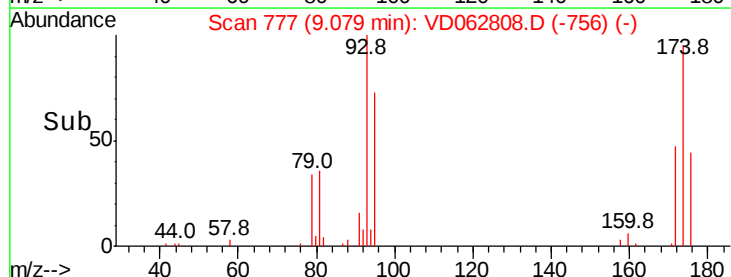
20000

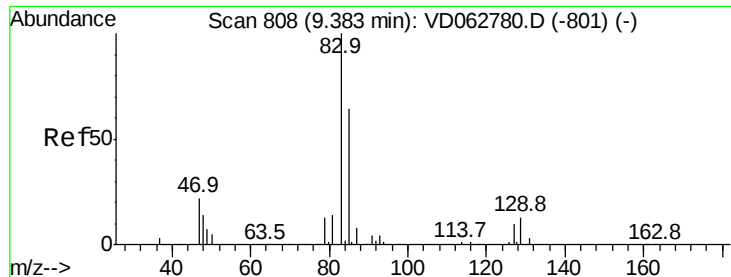
10000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 19.497 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

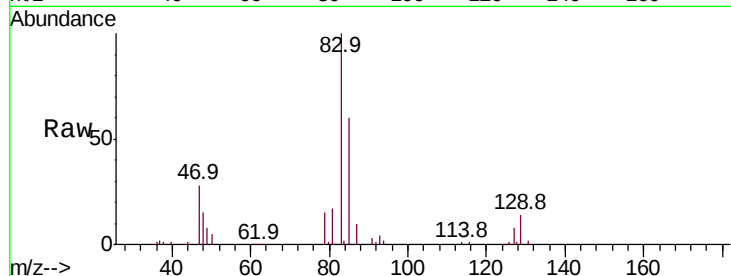
Tot Ion: 83 Resp: 232662

Ion Ratio Lower Upper

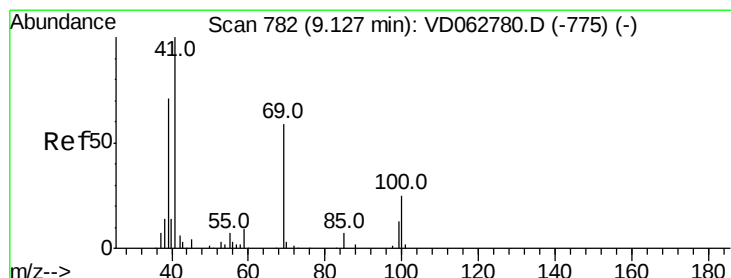
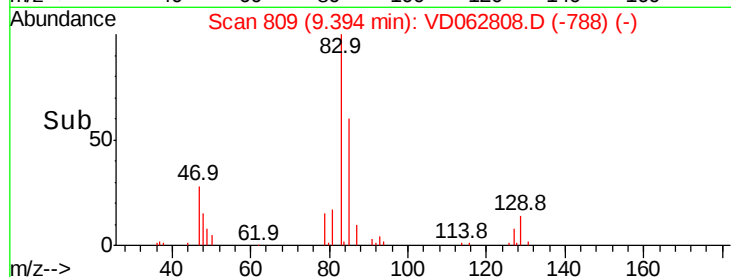
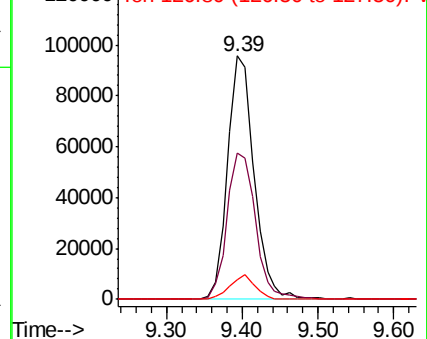
83 100

85 60.0 51.6 77.4

127 8.2 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: 19.658 ug/l

RT: 9.15 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

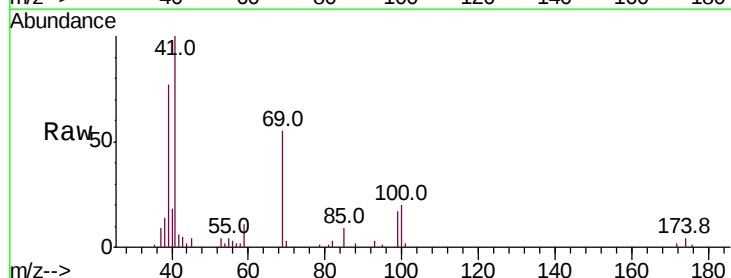
Tgt Ion: 41 Resp: 78485

Ion Ratio Lower Upper

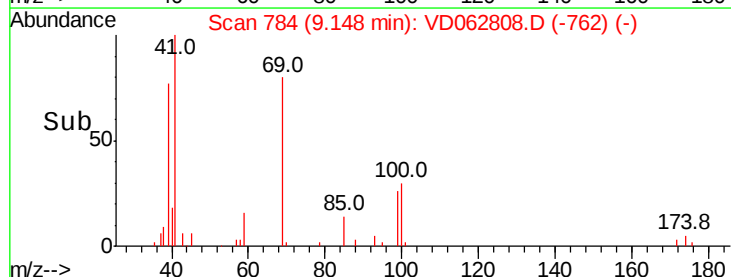
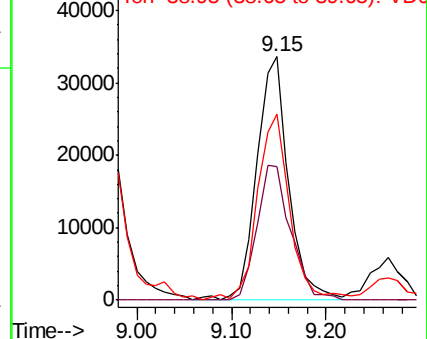
41 100

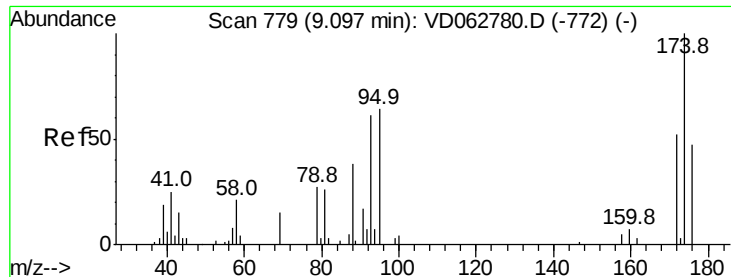
69 54.9 47.2 70.8

39 76.6 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

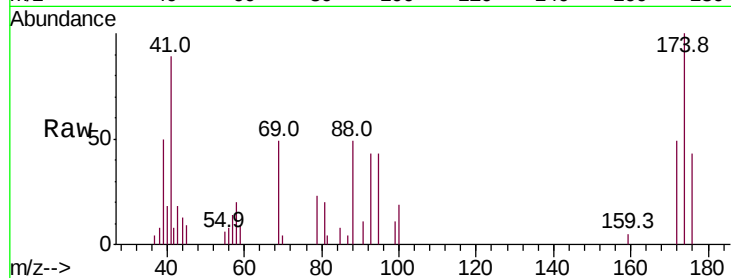




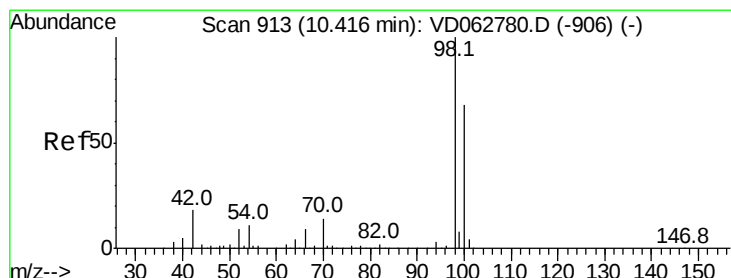
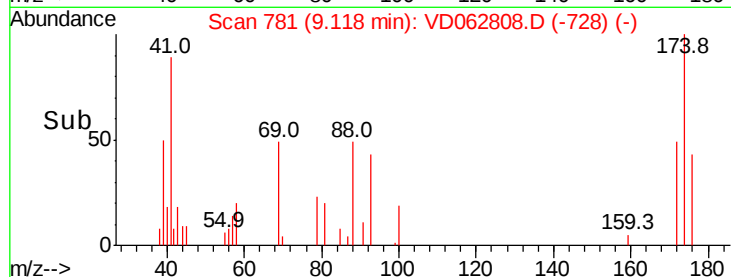
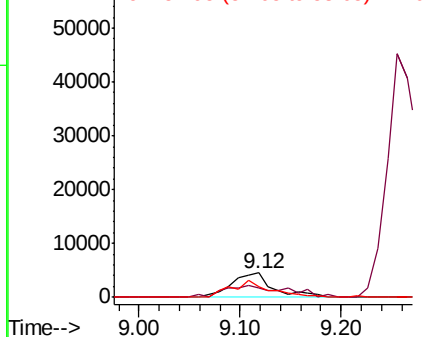
#49
1,4-Dioxane
Concen: 396.911 ug/l
RT: 9.12 min Scan# 781
Delta R.T. 0.02 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion: 88 Resp: 13184
Ion Ratio Lower Upper
88 100
43 36.2 32.1 48.1
58 42.1 44.1 66.1#

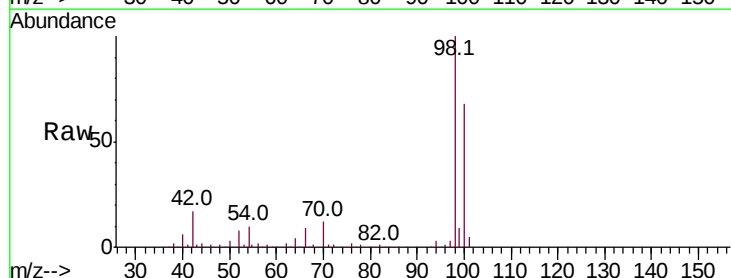


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

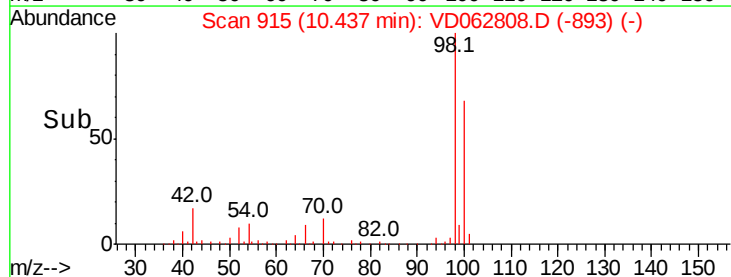
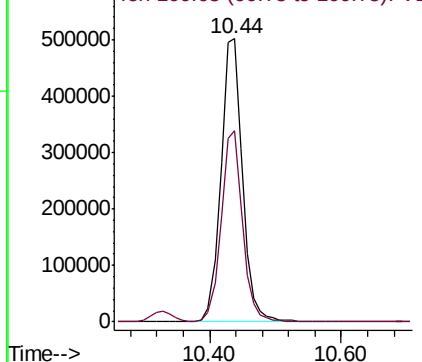


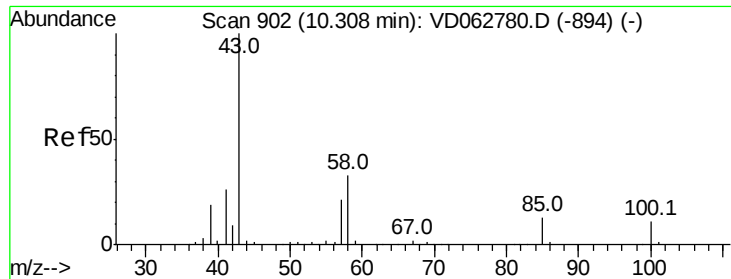
#50
Toluene-d8
Concen: 55.092 ug/l
RT: 10.44 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 98 Resp: 1144561
Ion Ratio Lower Upper
98 100
100 67.6 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: 96.077 ug/l

RT: 10.33 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

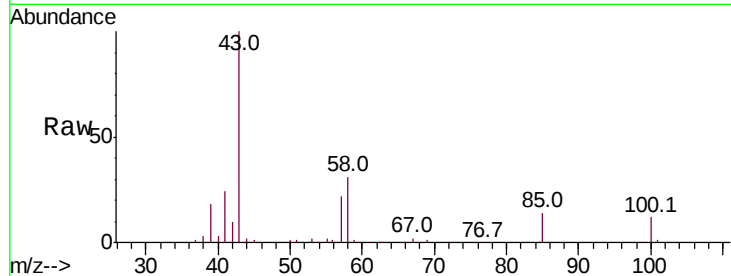
VD0621SBS01

Tot Ion: 43 Resp: 382709

Ion Ratio Lower Upper

43 100

58 30.7 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.33

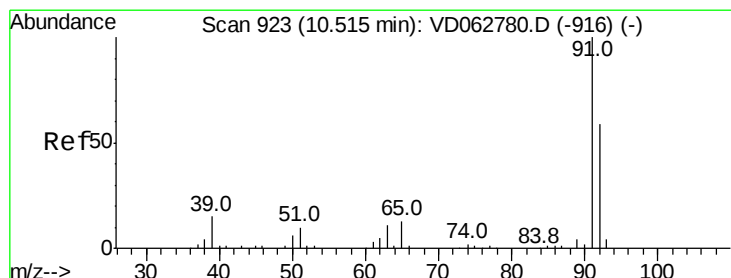
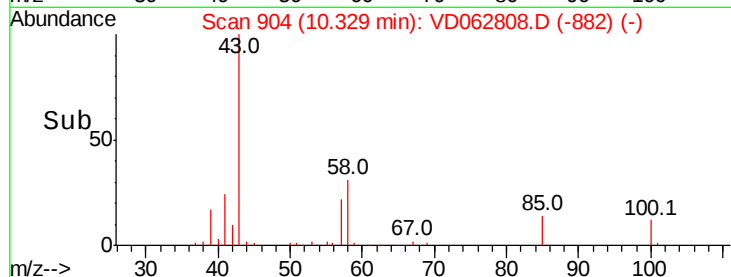
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 19.402 ug/l

RT: 10.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062808.D

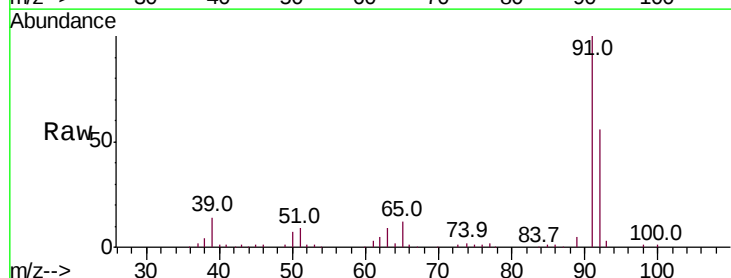
Acq: 21 Jun 2019 11:31

Tgt Ion: 92 Resp: 280554

Ion Ratio Lower Upper

92 100

91 177.4 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

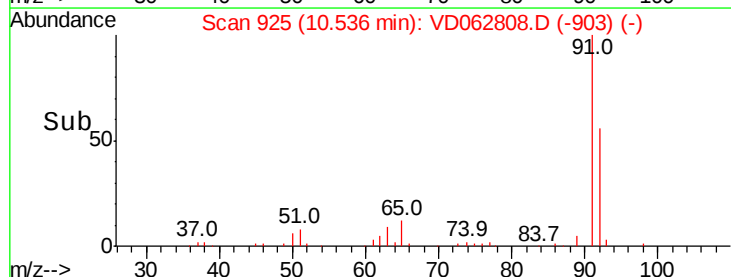
150000

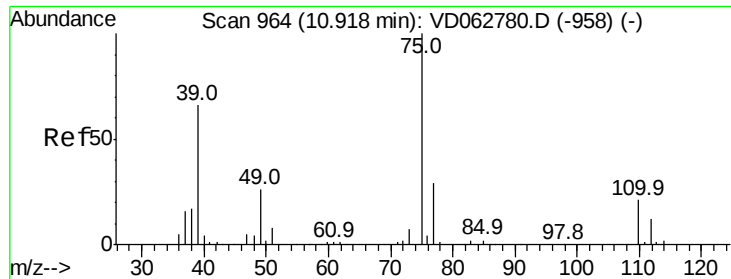
100000

50000

0

Time--> 10.40 10.50 10.60 10.70

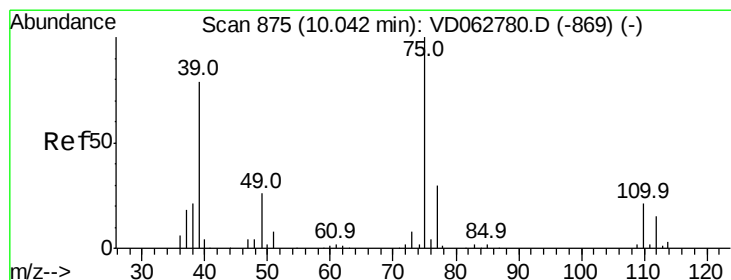
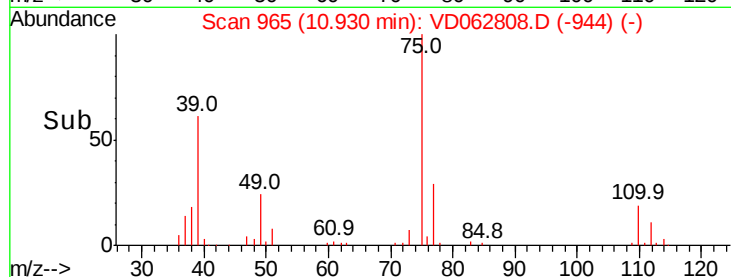
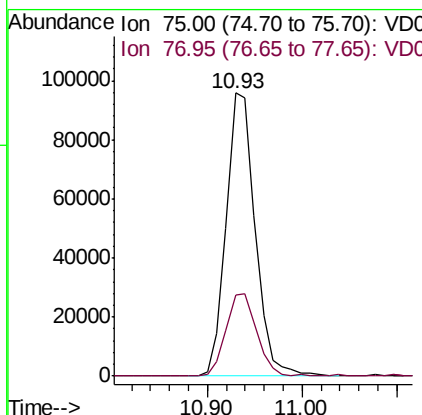
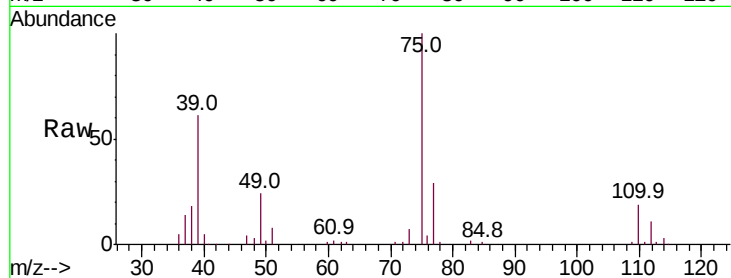




#53
 t-1,3-Dichloropropene
 Concen: 20.803 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

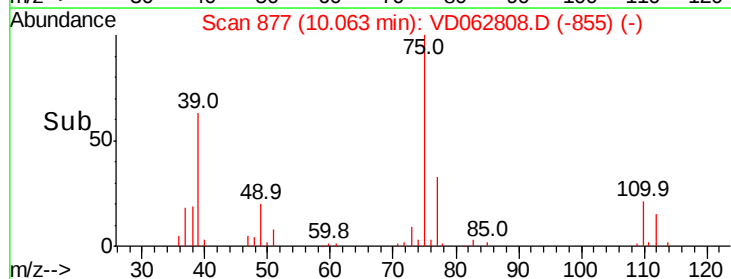
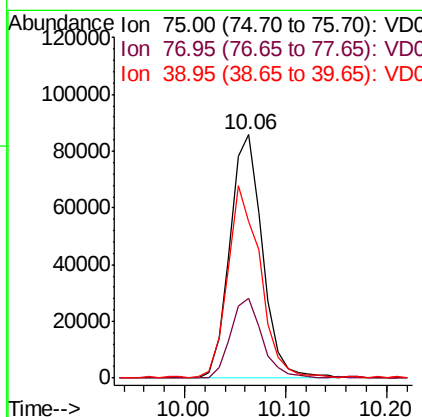
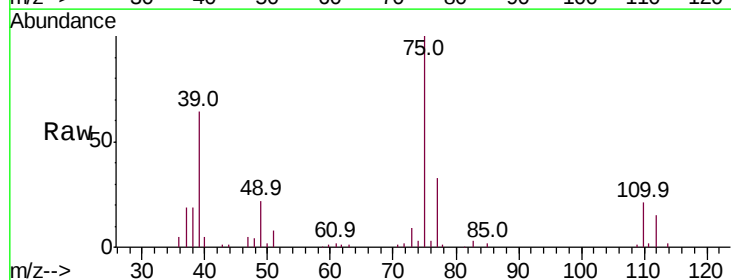
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

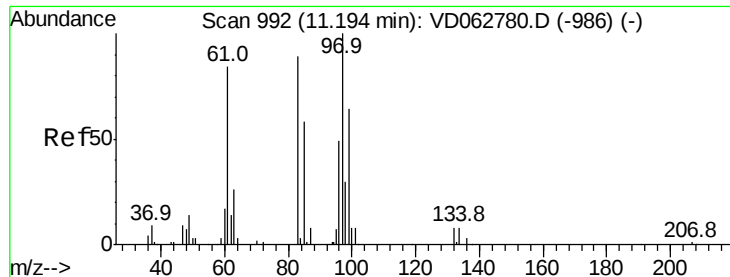
Tot Ion: 75 Resp: 203182
 Ion Ratio Lower Upper
 75 100
 77 28.7 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.112 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Tgt Ion: 75 Resp: 192276
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.2 36.2
 39 64.1 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 19.159 ug/l

RT: 11.22 min Scan# 994

Delta R.T. 0.02 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

Tot Ion: 97 Resp: 95182

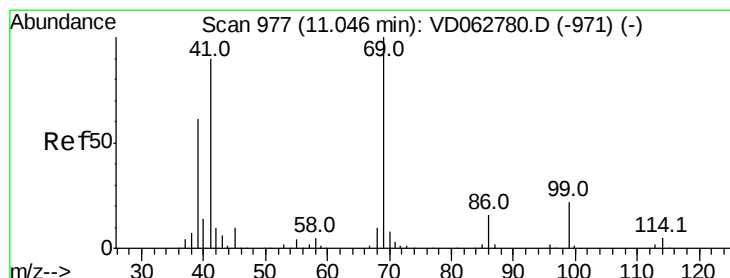
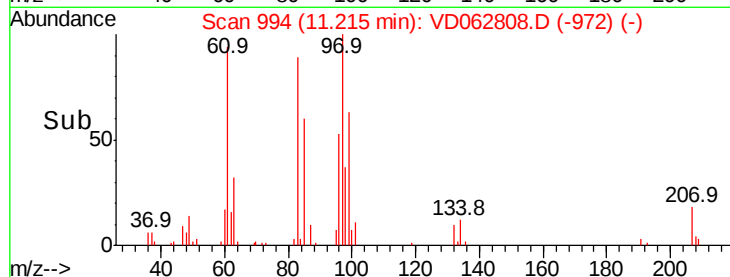
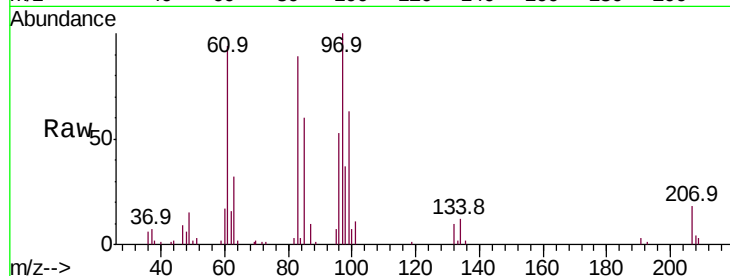
Ion Ratio Lower Upper

97 100

83 88.9 71.0 106.4

85 60.5 46.6 69.8

99 62.7 51.4 77.0



#56

Ethyl methacrylate

Concen: 17.885 ug/l

RT: 11.07 min Scan# 979

Delta R.T. 0.02 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

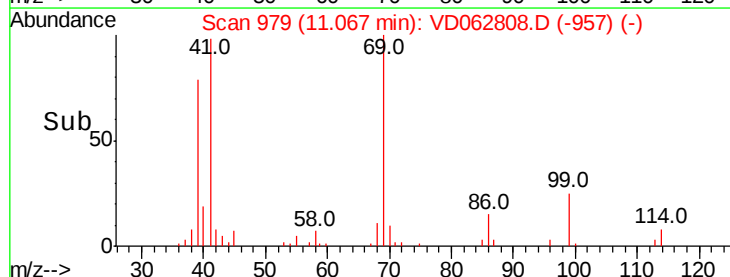
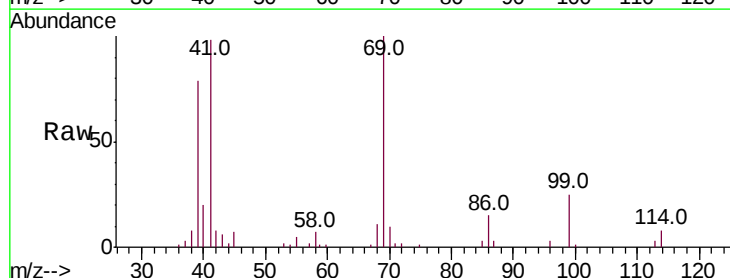
Tgt Ion: 69 Resp: 94956

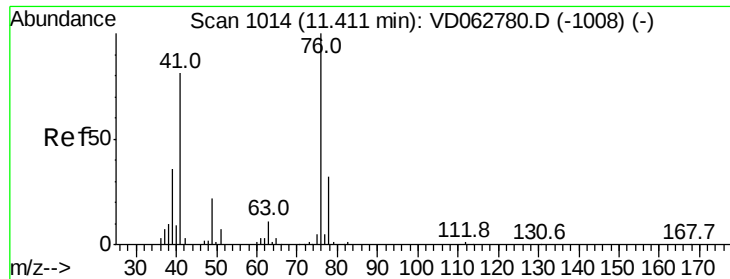
Ion Ratio Lower Upper

69 100

41 98.3 72.0 108.0

39 79.2 49.5 74.3#





#57

1,3-Dichloropropane

Concen: 19.920 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

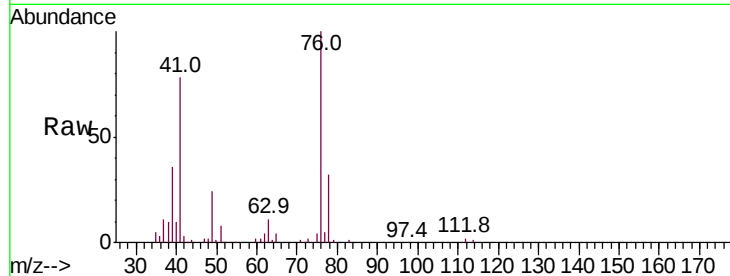
VD0621SBS01

Tot Ion: 76 Resp: 151521

Ion Ratio Lower Upper

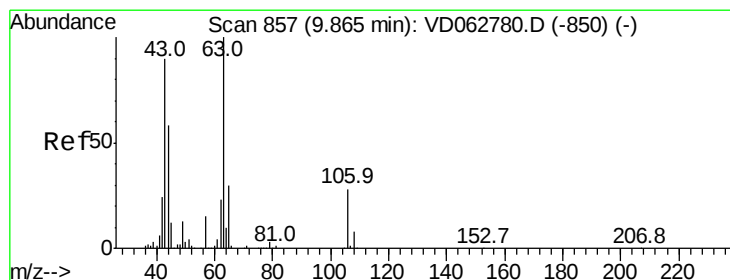
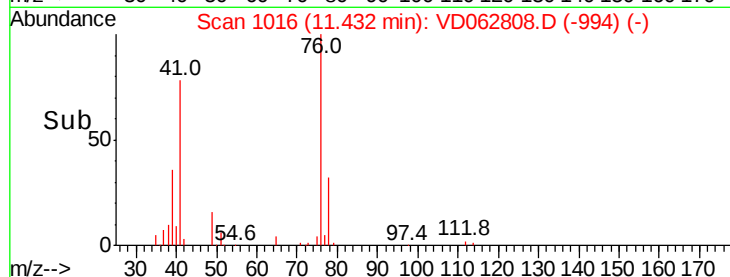
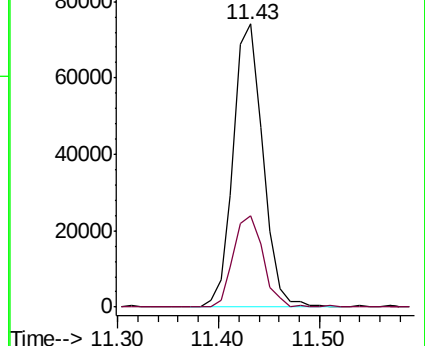
76 100

78 32.2 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: 92.718 ug/l

RT: 9.88 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD062808.D

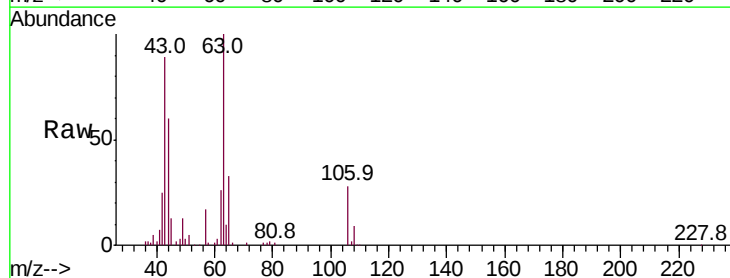
Acq: 21 Jun 2019 11:31

Tgt Ion: 63 Resp: 252713

Ion Ratio Lower Upper

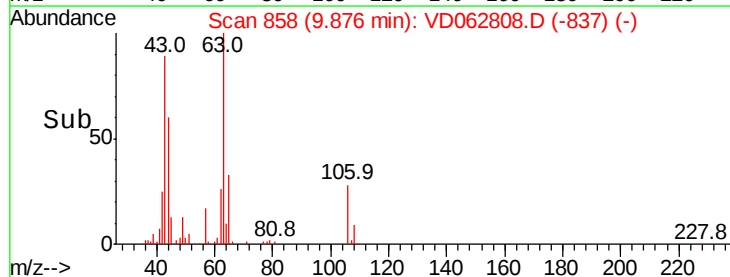
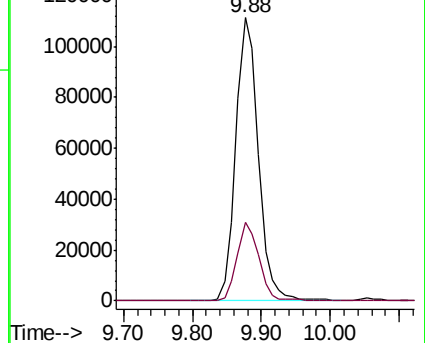
63 100

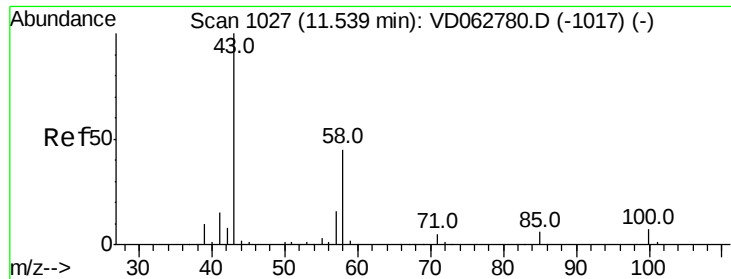
106 27.6 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

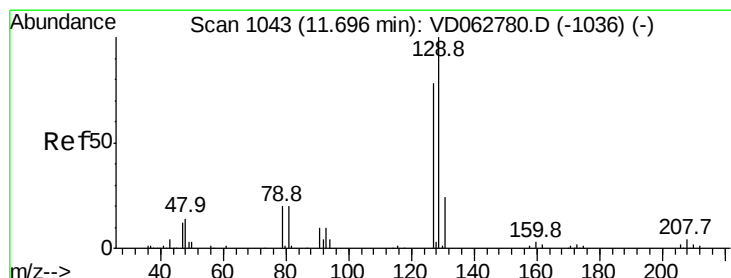
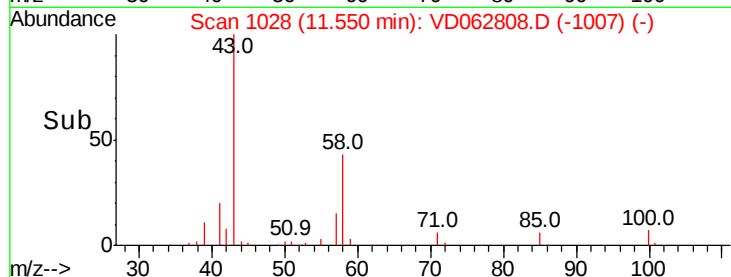
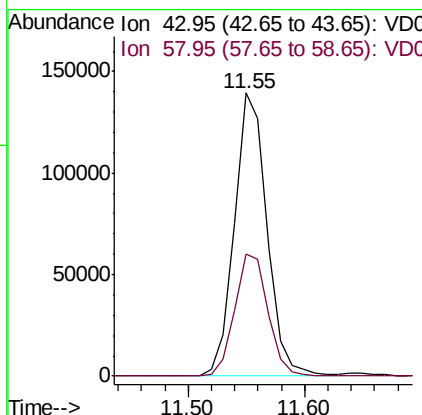
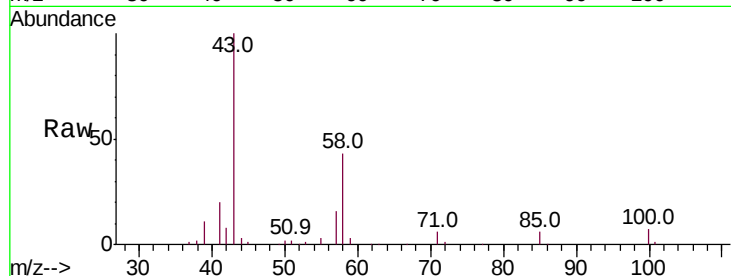




#59
2-Hexanone
Concen: 95.195 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

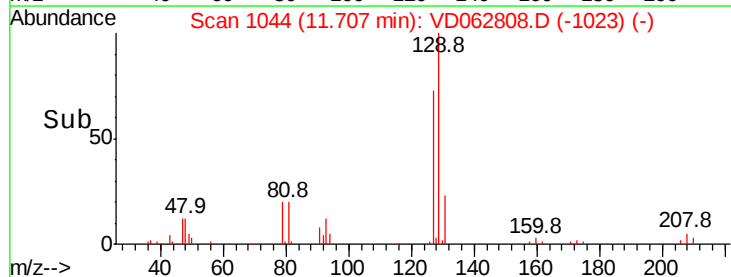
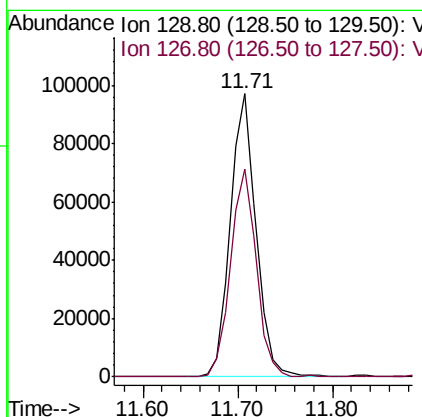
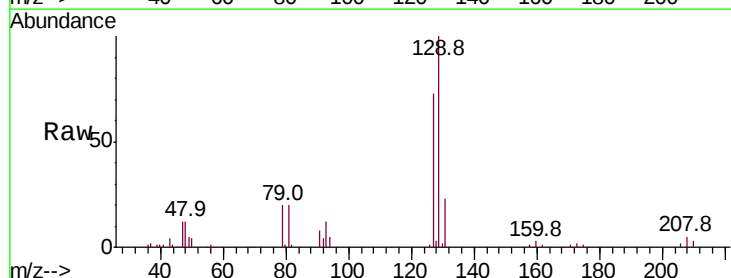
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

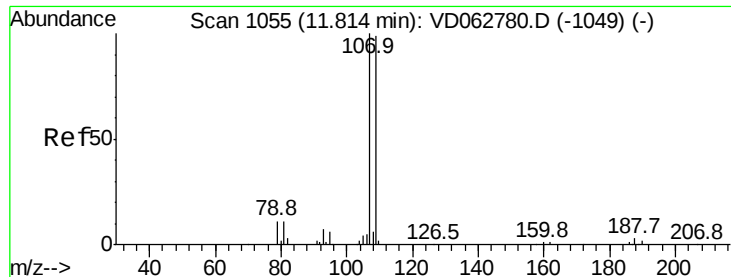
Tot Ion: 43 Resp: 270059
Ion Ratio Lower Upper
43 100
58 43.0 22.4 67.2



#60
Dibromochloromethane
Concen: 19.730 ug/l
RT: 11.71 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 129 Resp: 182572
Ion Ratio Lower Upper
129 100
127 73.3 38.9 116.6

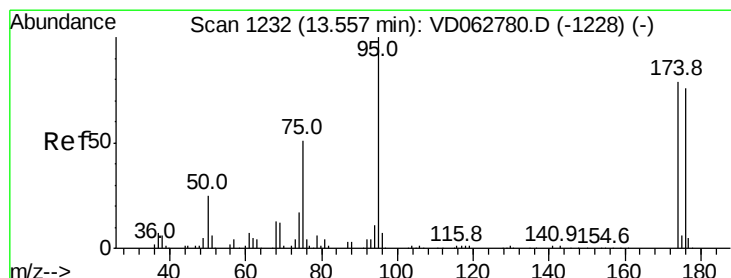
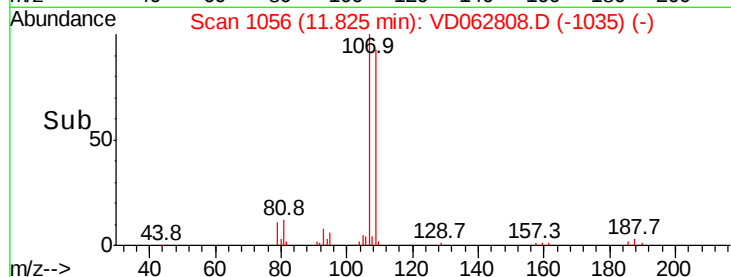
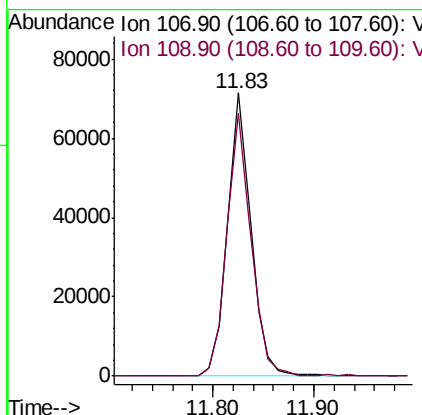
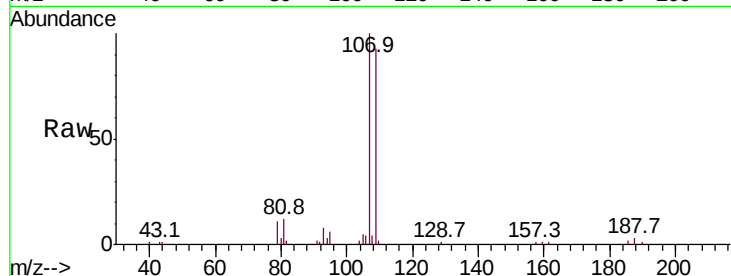




#61
 1,2-Dibromoethane
 Concen: 19.675 ug/l
 RT: 11.83 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

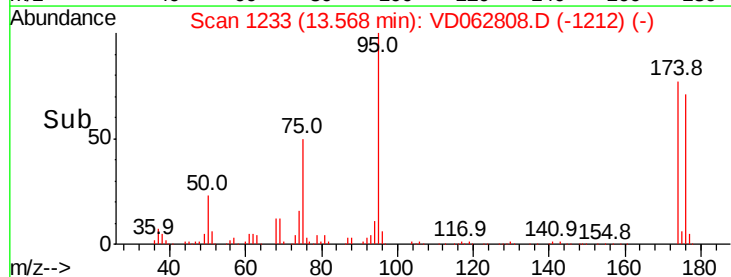
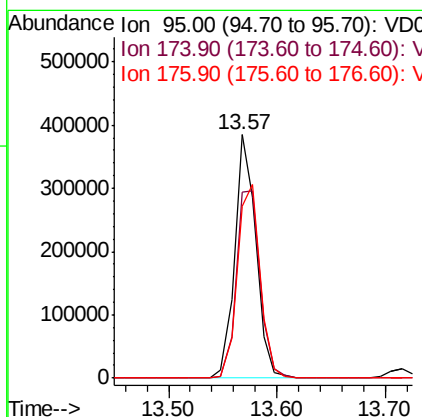
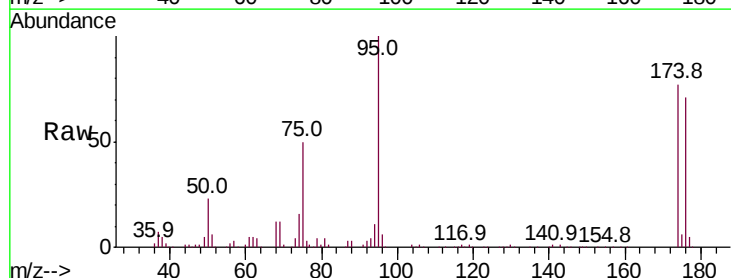
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

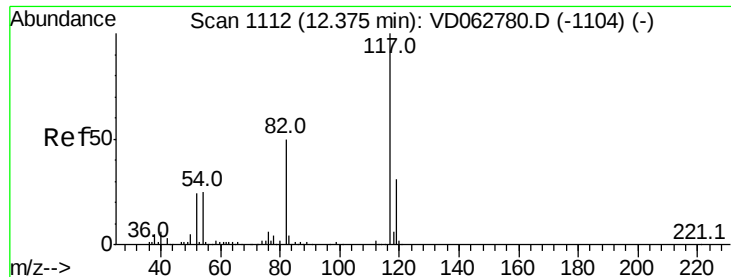
Tot Ion:107 Resp: 115441
 Ion Ratio Lower Upper
 107 100
 109 92.9 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 55.491 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Tgt Ion: 95 Resp: 524206
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 158.0
 176 70.7 0.0 151.6

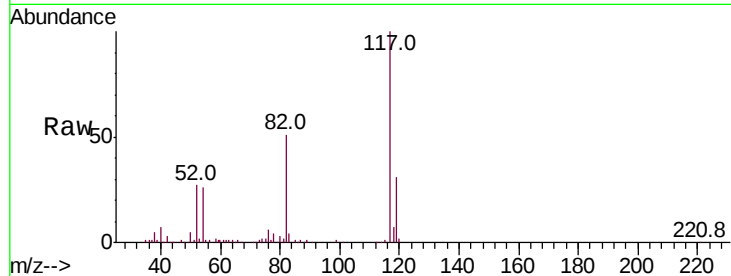




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	40.4	60.6
119	30.9	25.2	37.8

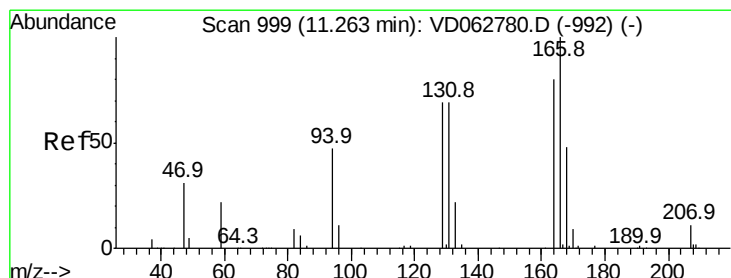
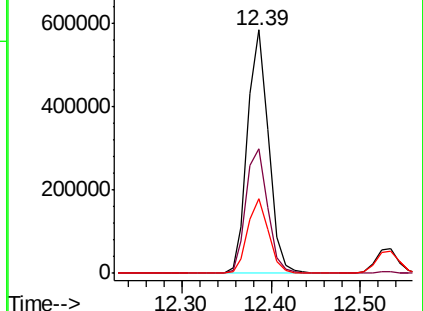
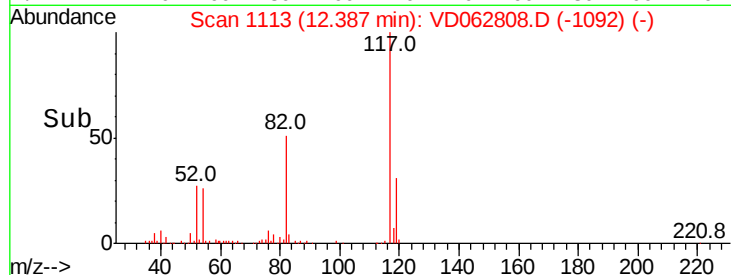


Abundance

Ion 116.95 (116.65 to 117.65): V

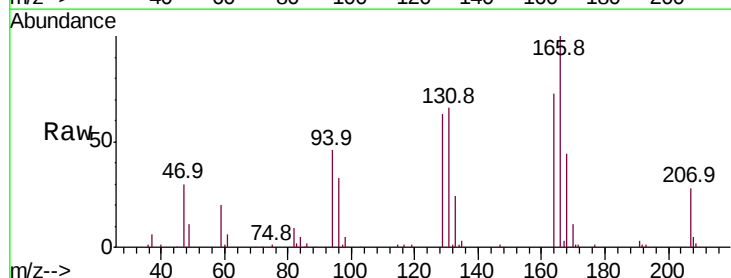
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 20.044 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.8	100.6	150.8
129	85.7	69.4	104.0
131	90.4	69.3	103.9



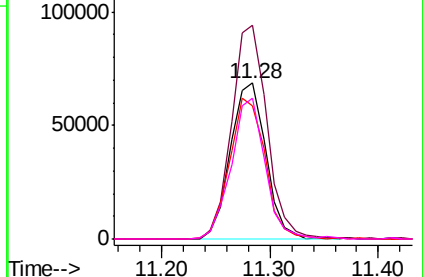
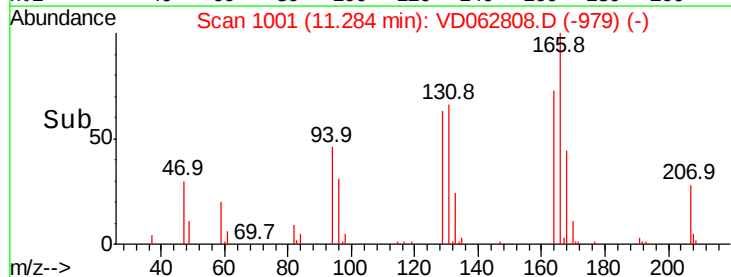
Abundance

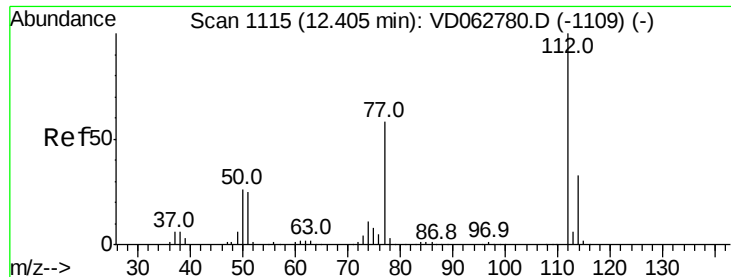
Ion 163.85 (163.55 to 164.55): V

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: 19.735 ug/l

RT: 12.42 min Scan# 1116

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

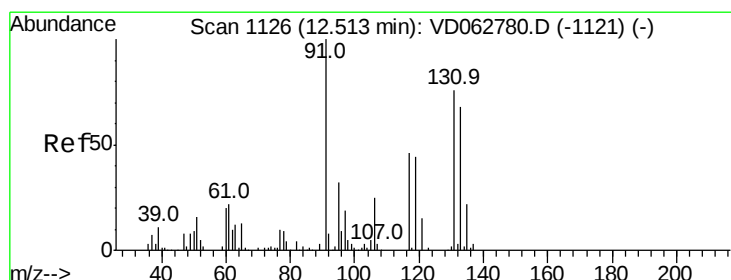
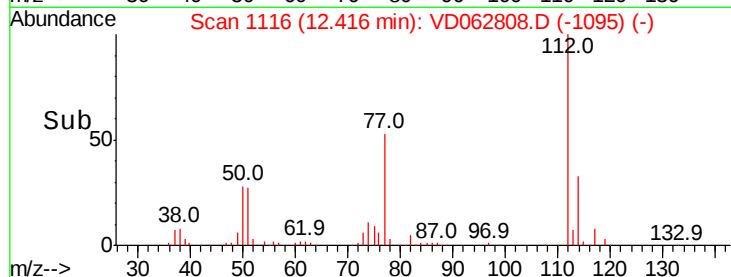
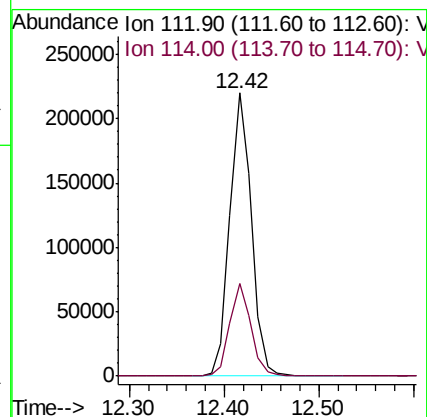
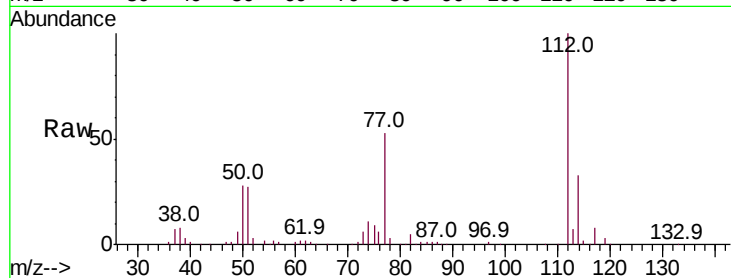
VD0621SBS01

Tot Ion:112 Resp: 347957

Ion Ratio Lower Upper

112 100

114 32.7 26.3 39.5



#66

1,1,1,2-Tetrachloroethane

Concen: 20.278 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

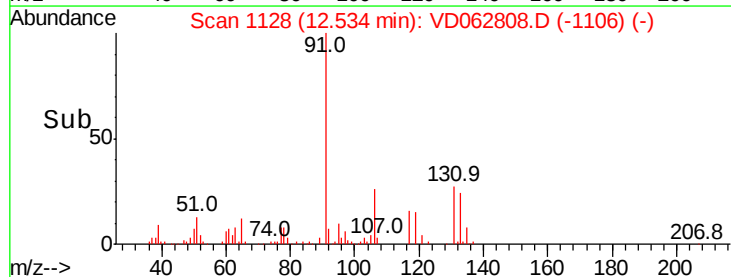
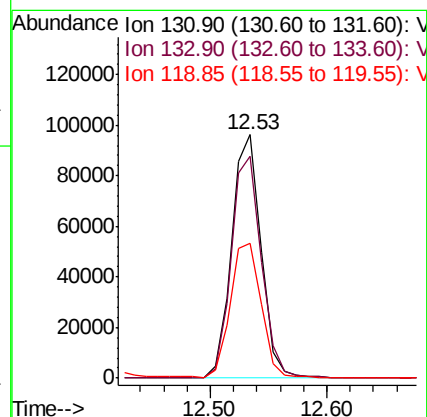
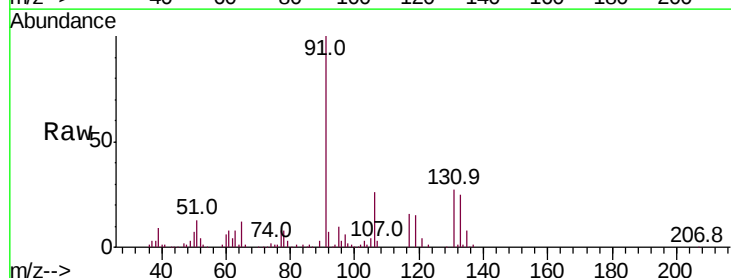
Tgt Ion:131 Resp: 167199

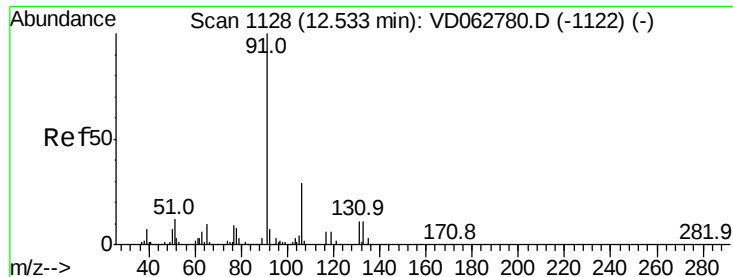
Ion Ratio Lower Upper

131 100

133 91.4 44.5 133.3

119 55.4 28.6 85.9

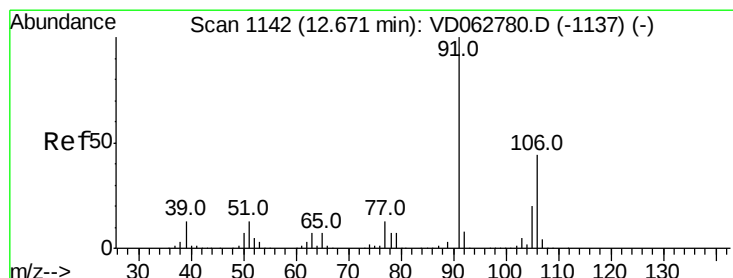
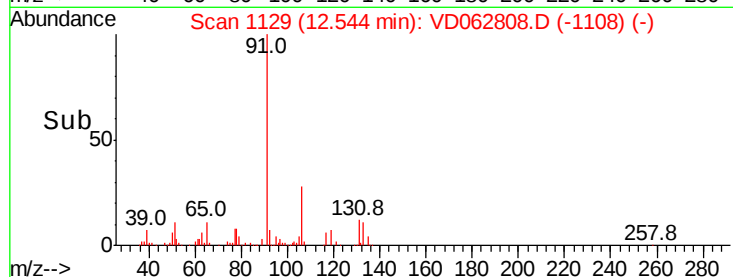
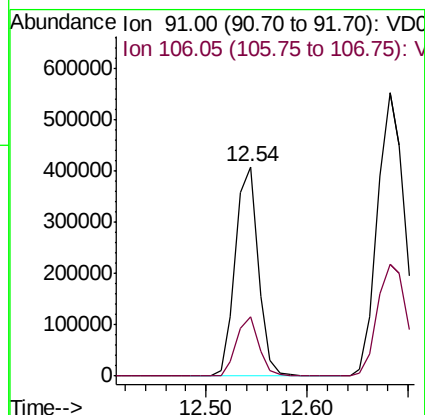
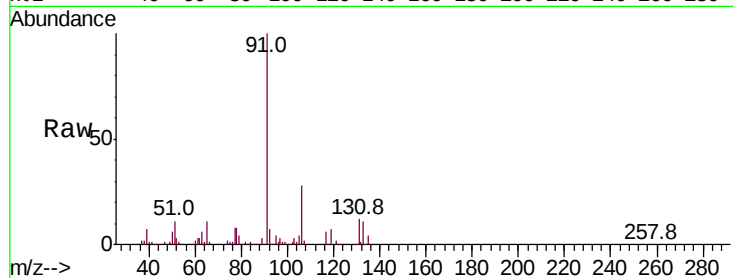




#67
Ethyl Benzene
Concen: 20.472 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

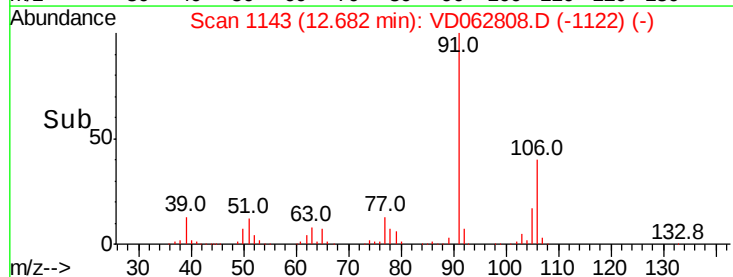
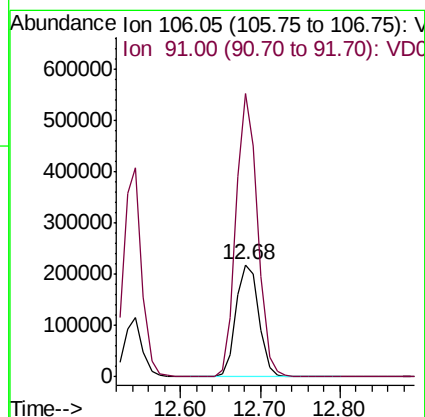
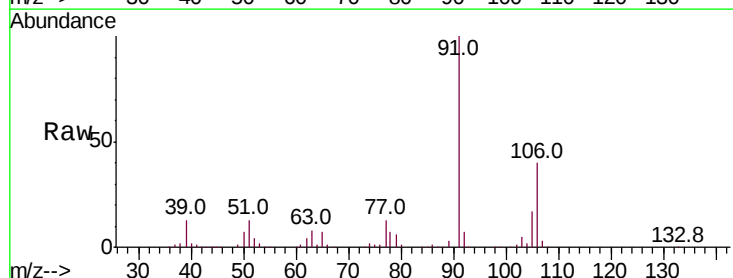
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

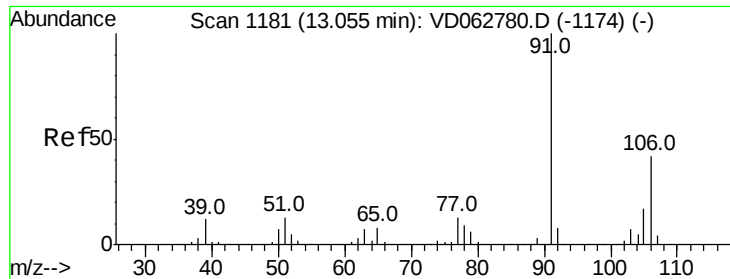
Tot Ion: 91 Resp: 648038
Ion Ratio Lower Upper
91 100
106 28.2 23.1 34.7



#68
m/p-Xylenes
Concen: 40.208 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 106 Resp: 443292
Ion Ratio Lower Upper
106 100
91 252.7 183.0 274.6

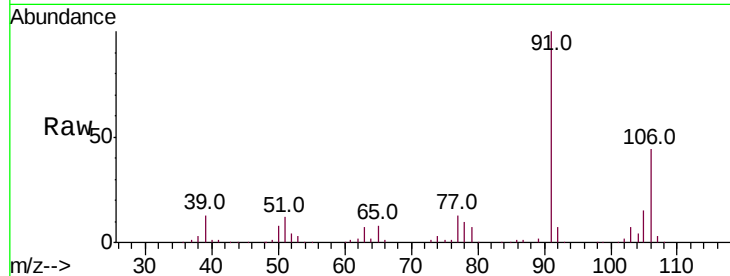




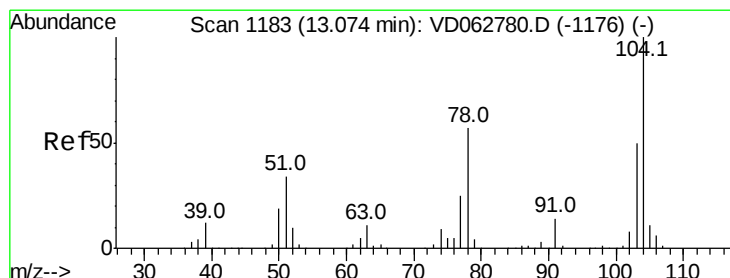
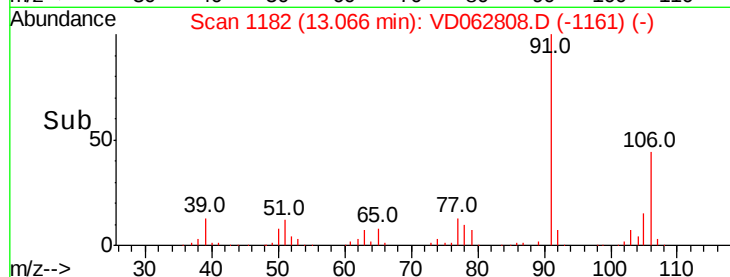
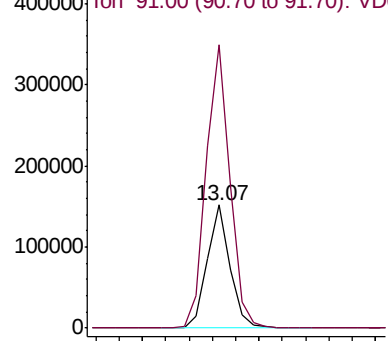
#69
o-Xylene
Concen: 20.457 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion:106 Resp: 206178
Ion Ratio Lower Upper
106 100
91 229.7 117.9 353.6

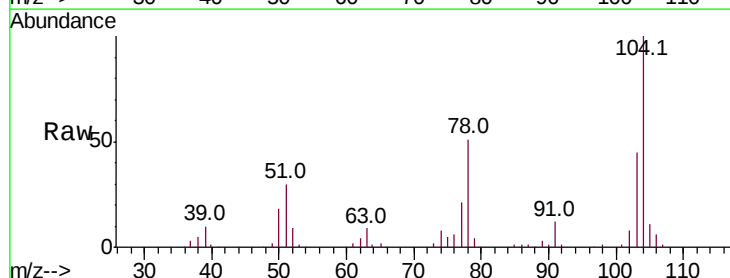


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

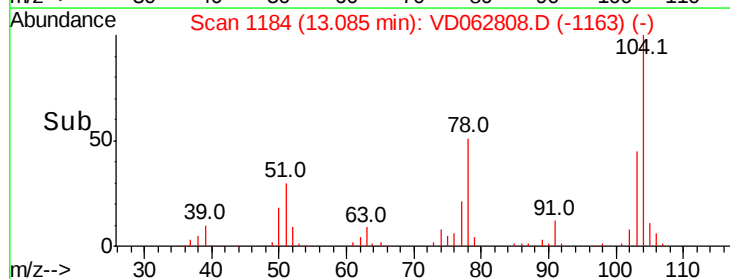
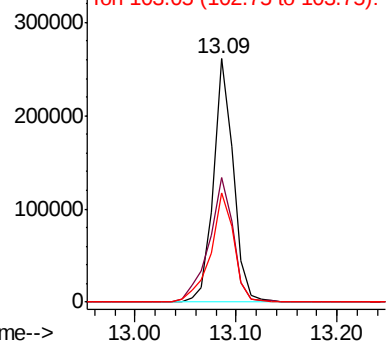


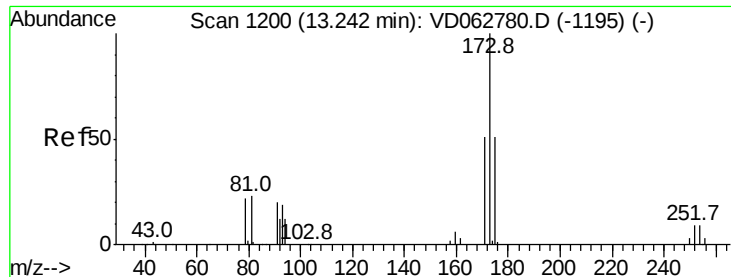
#70
Styrene
Concen: 20.115 ug/l
RT: 13.09 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion:104 Resp: 356088
Ion Ratio Lower Upper
104 100
78 51.3 45.4 68.2
103 45.0 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

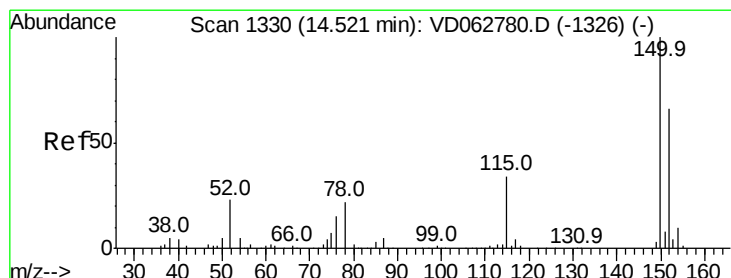
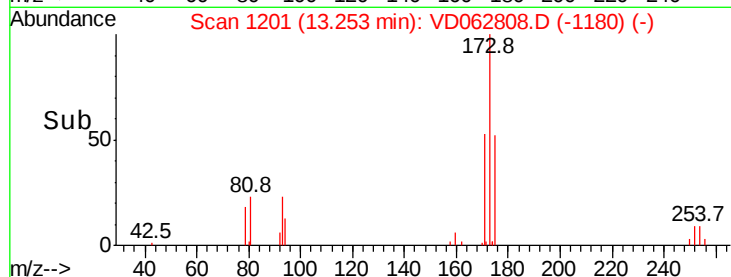
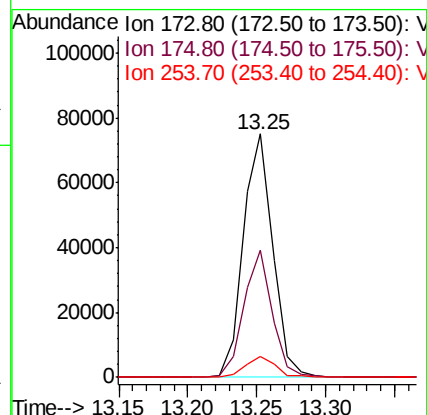
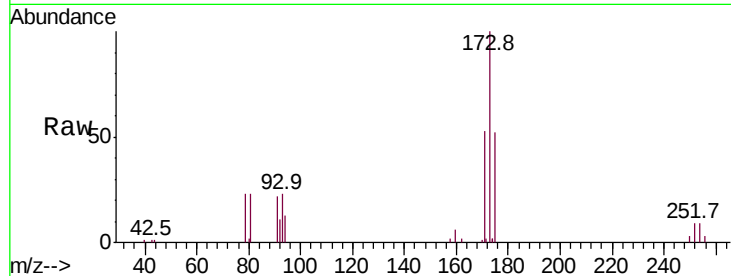




#71
Bromoform
Concen: 19.773 ug/l
RT: 13.25 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

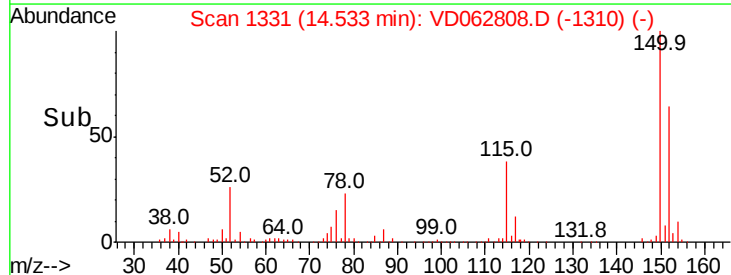
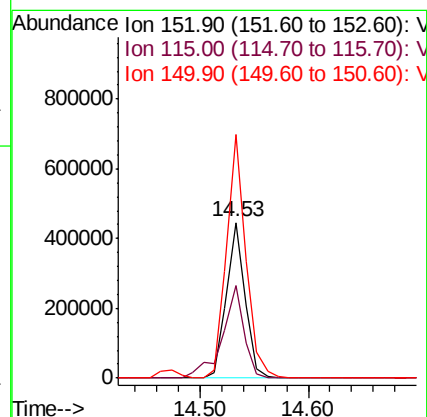
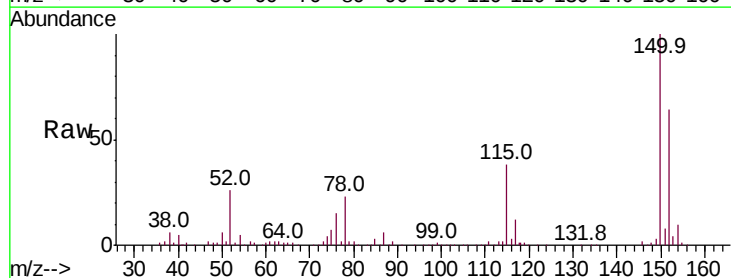
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

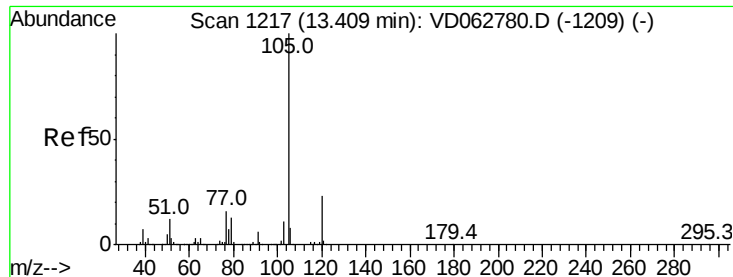
Tot Ion:173 Resp: 111700
Ion Ratio Lower Upper
173 100
175 52.3 25.3 75.9
254 8.7 7.1 10.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion:152 Resp: 539040
Ion Ratio Lower Upper
152 100
115 59.6 29.2 87.6
150 156.3 0.0 305.8





#73

Isopropylbenzene

Concen: 17.939 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

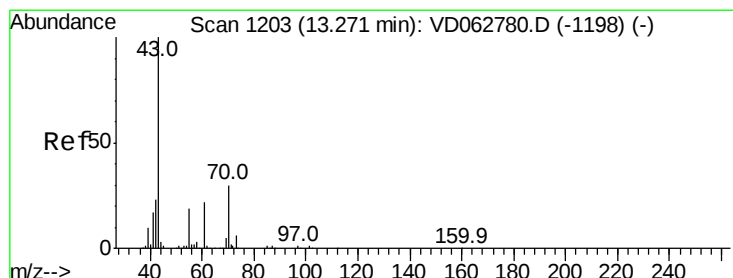
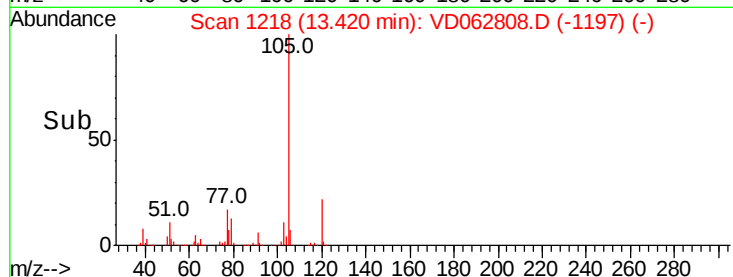
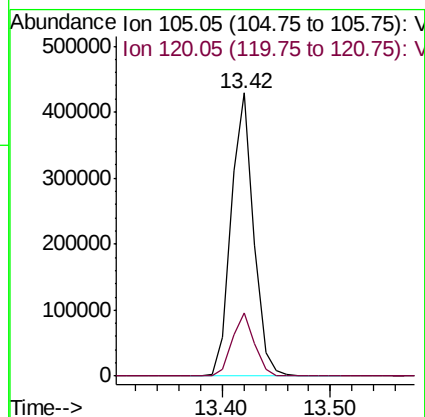
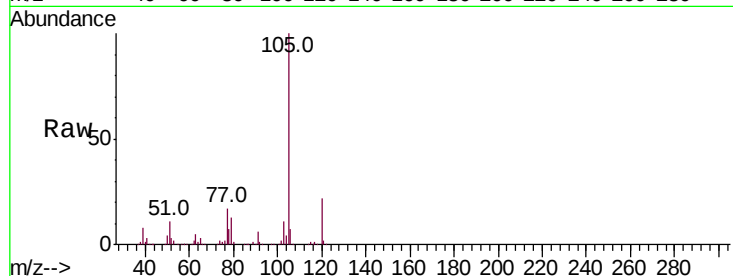
VD0621SBS01

Tot Ion:105 Resp: 620003

Ion Ratio Lower Upper

105 100

120 22.4 11.6 34.7



#74

N-ethyl acetate

Concen: 20.152 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Tgt Ion: 43 Resp: 169139

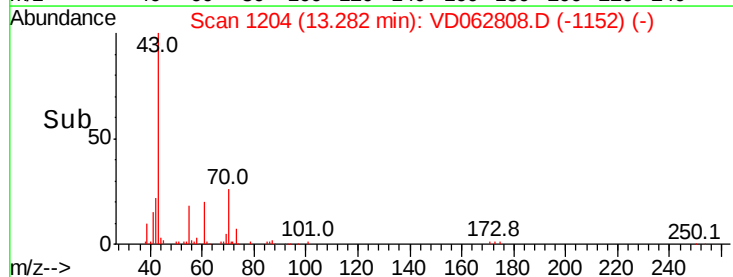
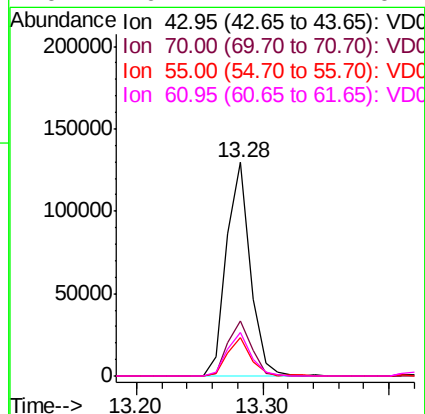
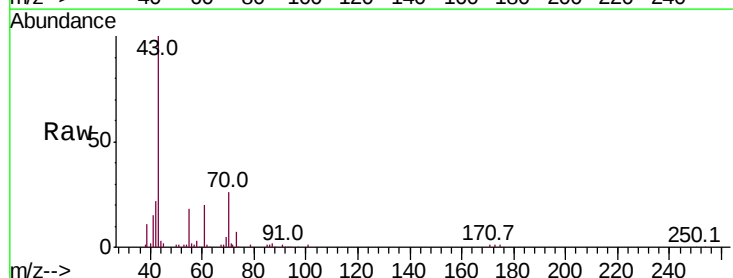
Ion Ratio Lower Upper

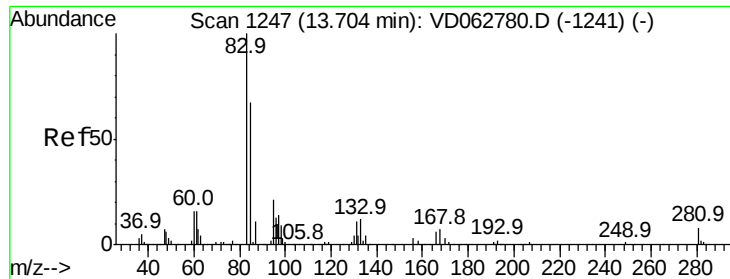
43 100

70 26.0 24.4 36.6

55 17.7 15.2 22.8

61 20.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.192 ug/l

RT: 13.72 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

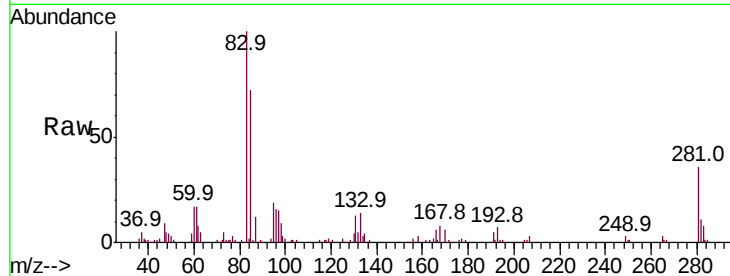
Tot Ion: 83 Resp: 108079

Ion Ratio Lower Upper

83 100

131 13.3 5.3 16.1

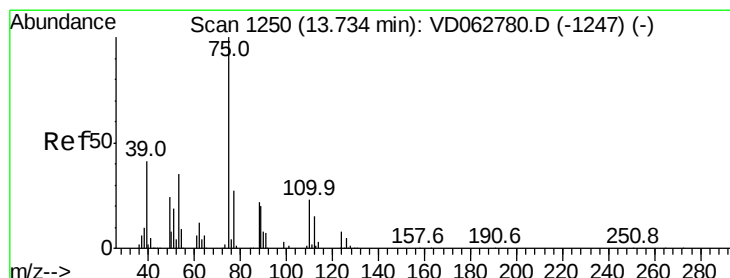
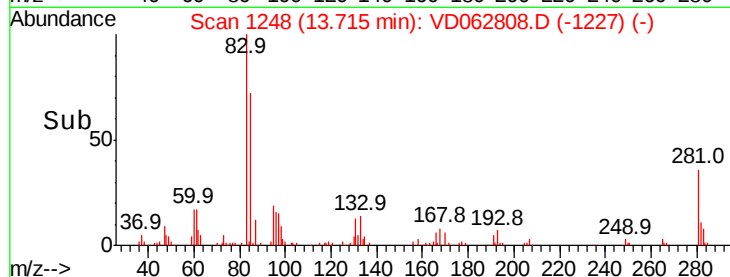
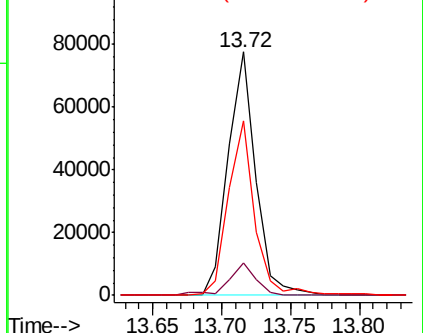
85 71.9 33.7 101.1



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: 19.453 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062808.D

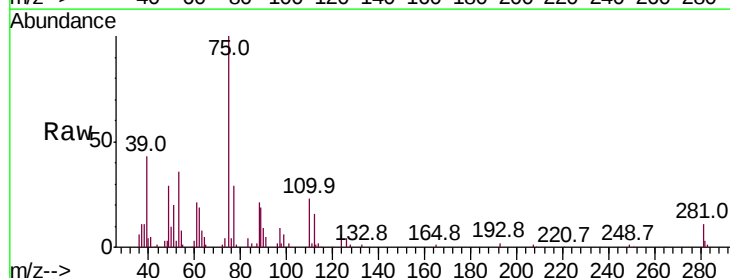
Acq: 21 Jun 2019 11:31

Tgt Ion: 75 Resp: 121055

Ion Ratio Lower Upper

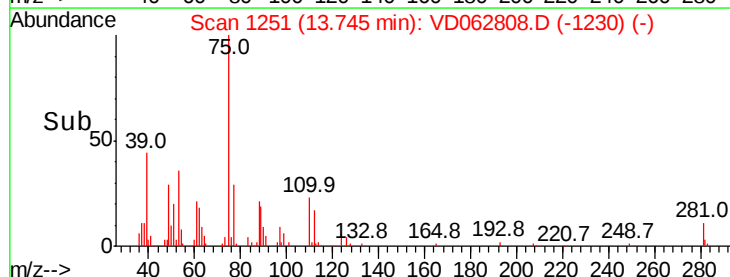
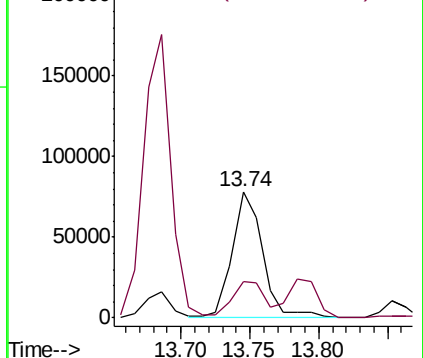
75 100

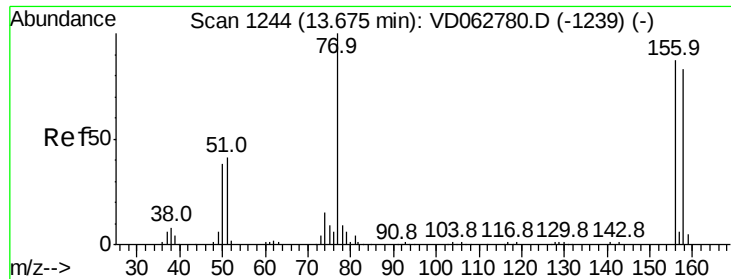
77 28.8 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.908 ug/l

RT: 13.69 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

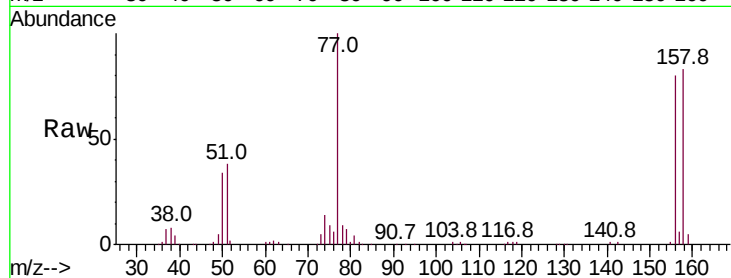
Tot Ion:156 Resp: 185065

Ion Ratio Lower Upper

156 100

77 125.1 57.7 173.1

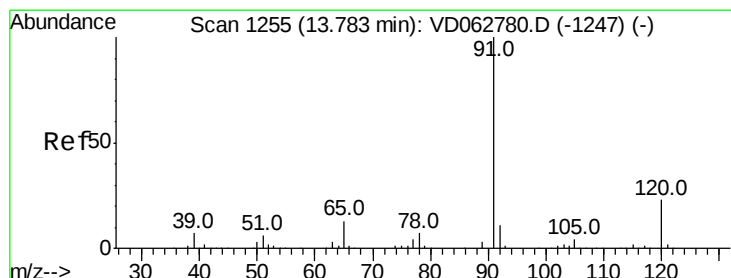
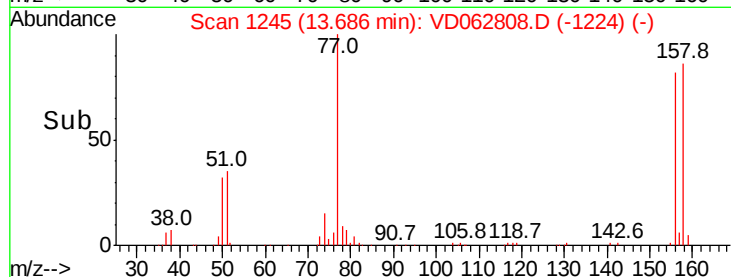
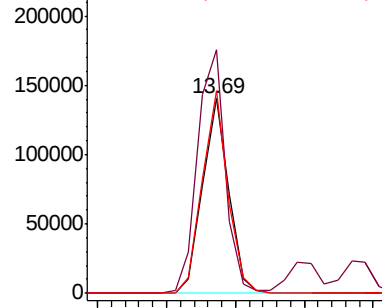
158 104.1 47.7 143.1



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: 18.986 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062808.D

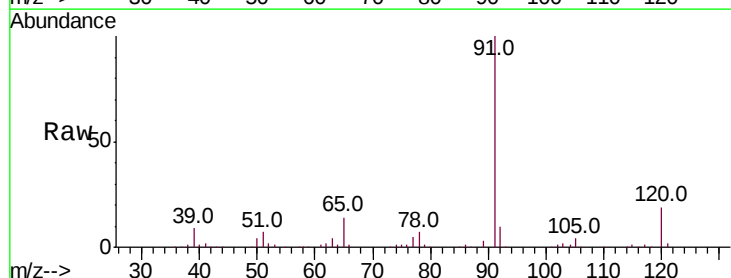
Acq: 21 Jun 2019 11:31

Tgt Ion: 91 Resp: 763759

Ion Ratio Lower Upper

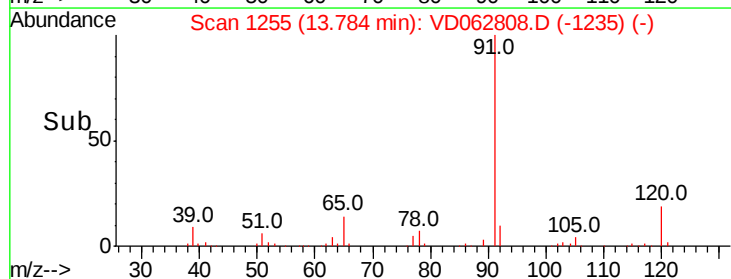
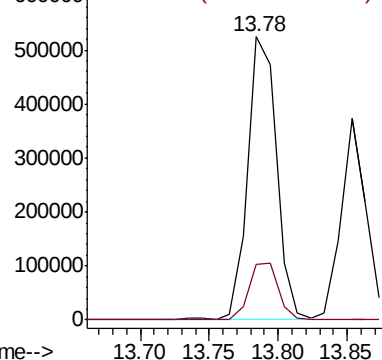
91 100

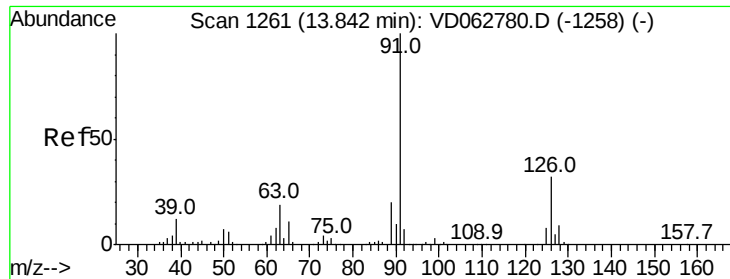
120 19.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

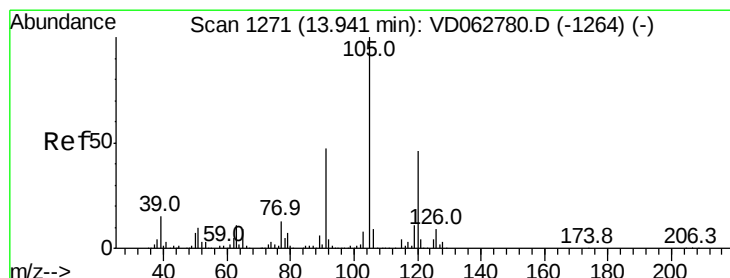
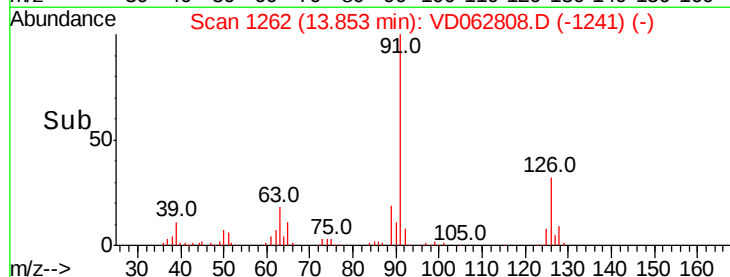
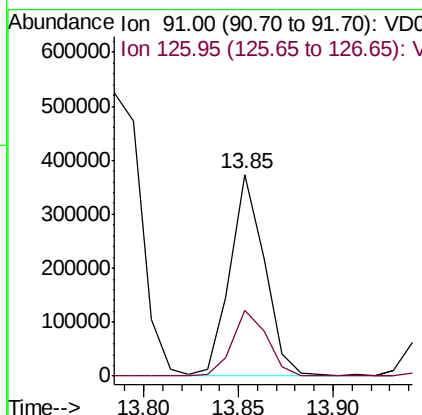
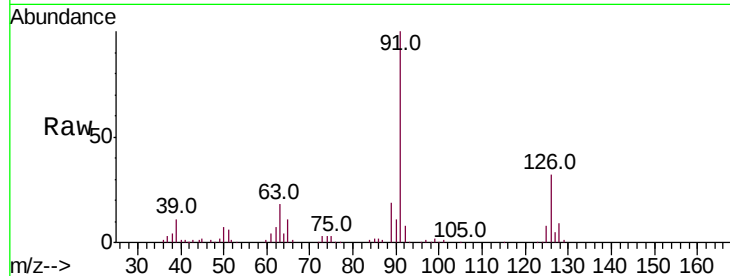




#79
 2-Chlorotoluene
 Concen: 20.430 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

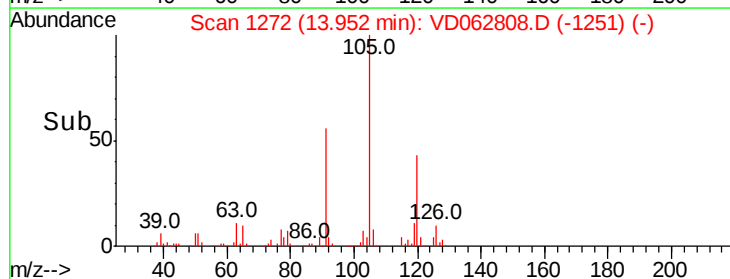
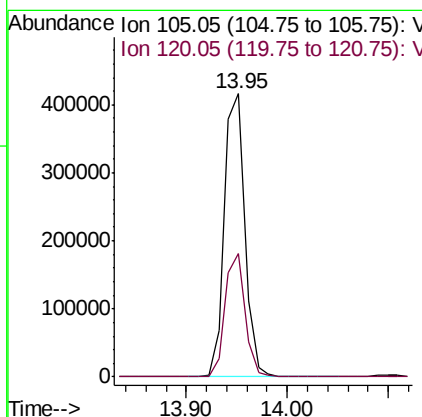
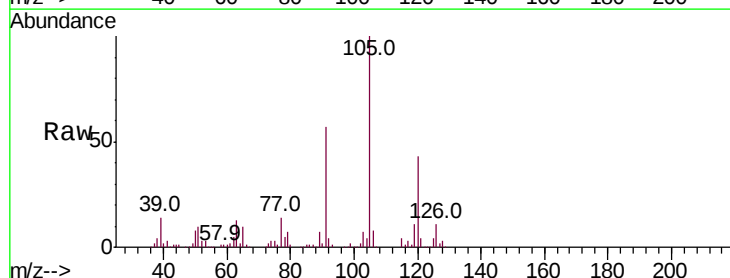
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

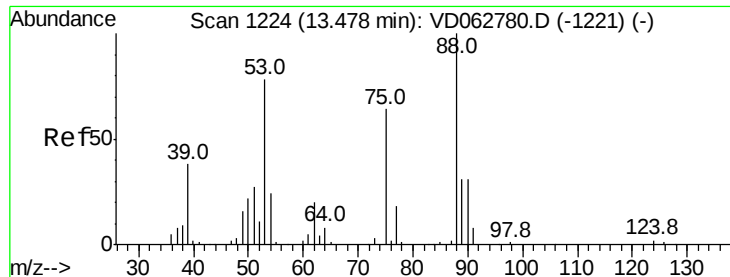
Tot Ion: 91 Resp: 469660
 Ion Ratio Lower Upper
 91 100
 126 32.3 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.404 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Tgt Ion:105 Resp: 592335
 Ion Ratio Lower Upper
 105 100
 120 43.5 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.683 ug/l

RT: 13.49 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

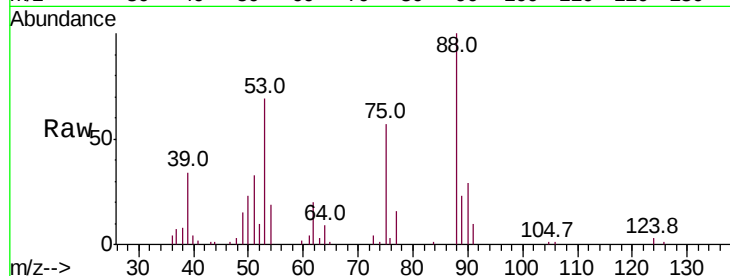
Tot Ion: 75 Resp: 28840

Ion Ratio Lower Upper

75 100

53 119.8 97.8 146.8

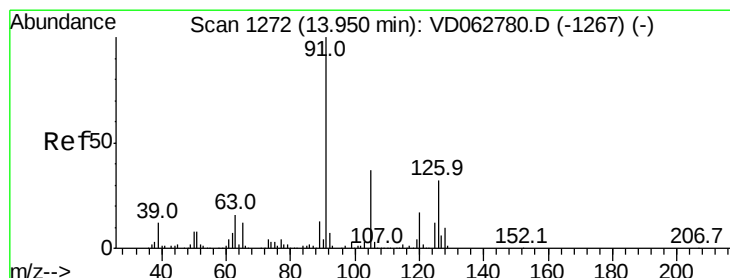
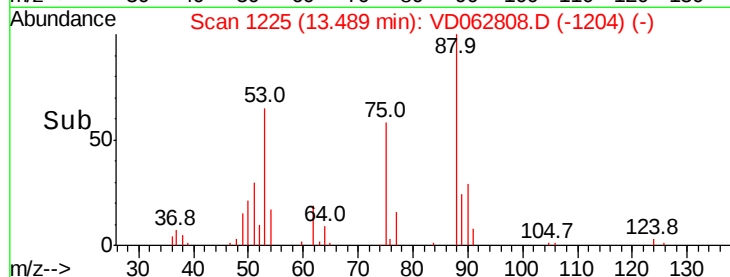
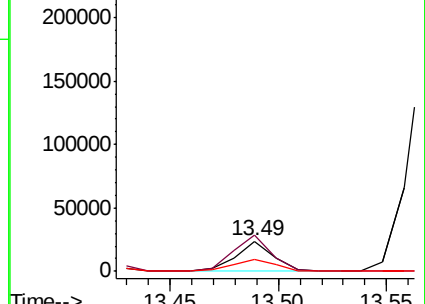
89 40.8 39.4 59.2



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: 19.480 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062808.D

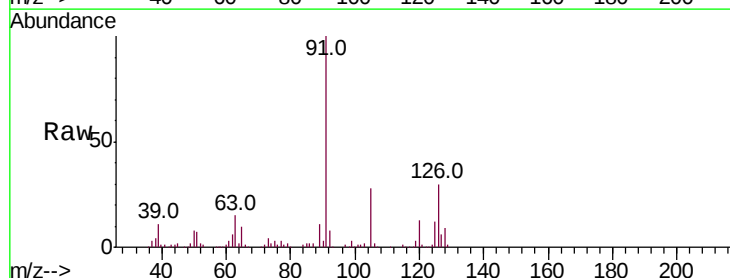
Acq: 21 Jun 2019 11:31

Tgt Ion: 91 Resp: 539139

Ion Ratio Lower Upper

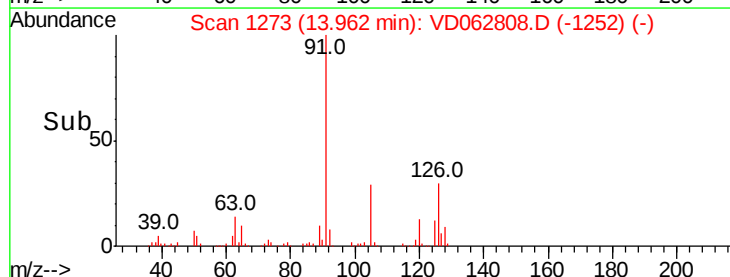
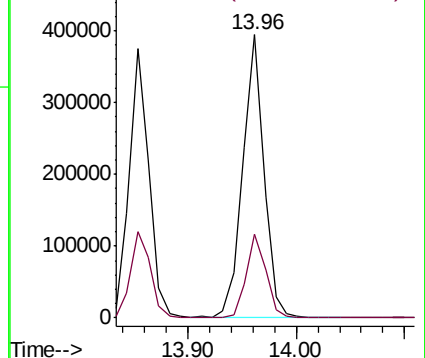
91 100

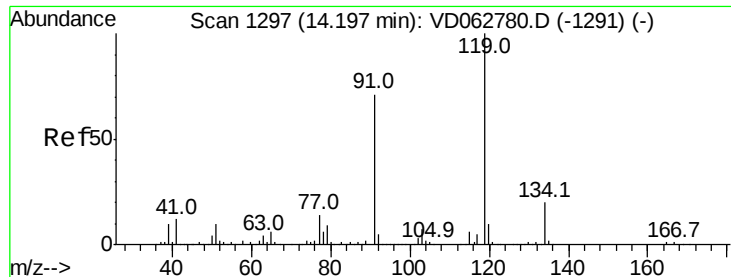
126 29.8 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

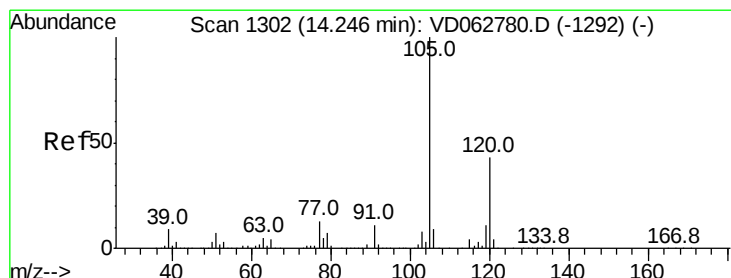
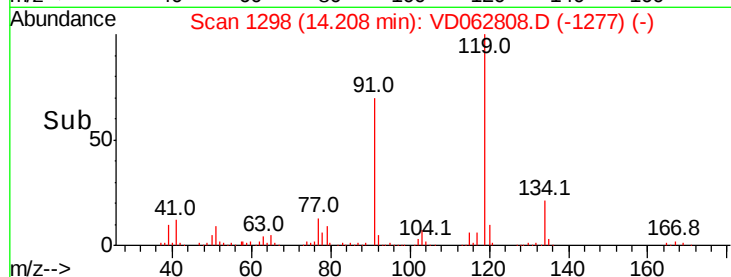
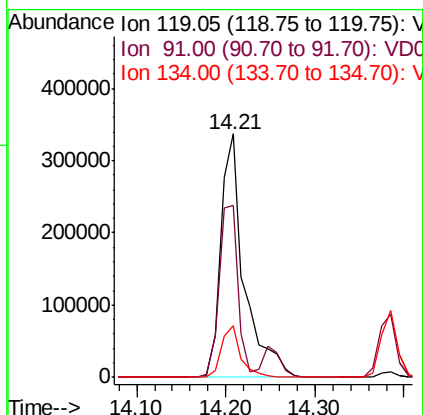
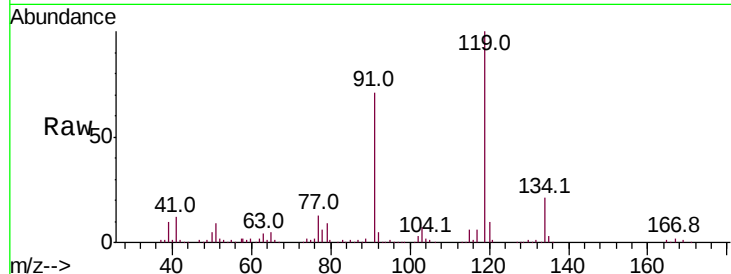




#83
tert-Butylbenzene
Concen: 19.068 ug/l
RT: 14.21 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

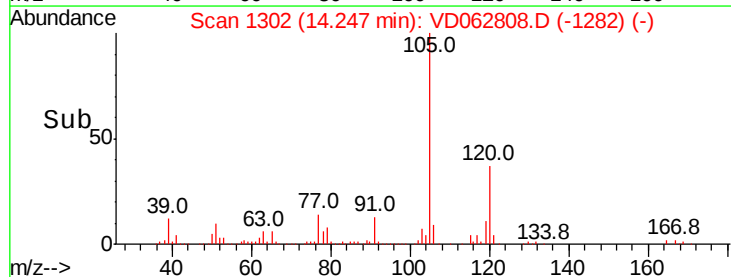
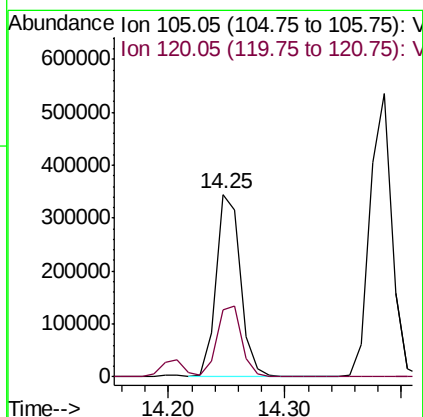
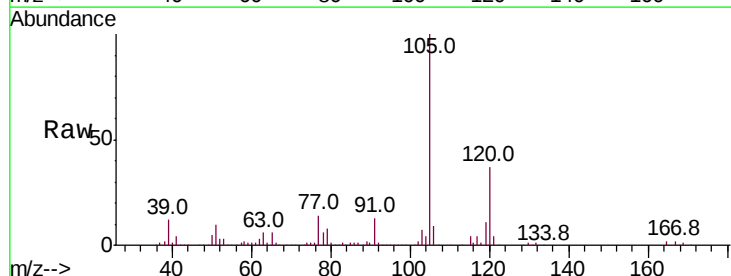
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

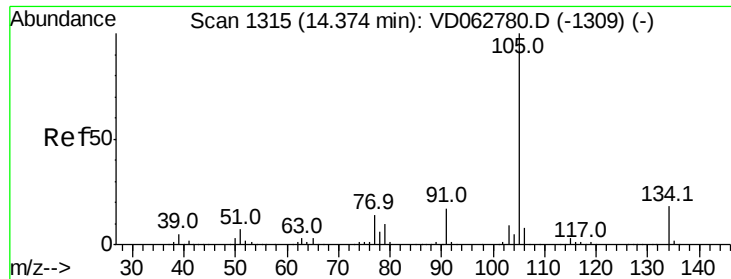
Tot Ion:119 Resp: 617025
Ion Ratio Lower Upper
119 100
91 70.7 35.5 106.5
134 21.1 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 16.827 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion:105 Resp: 500681
Ion Ratio Lower Upper
105 100
120 36.7 21.3 63.9

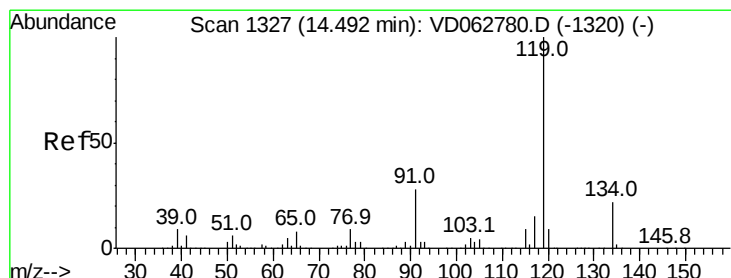
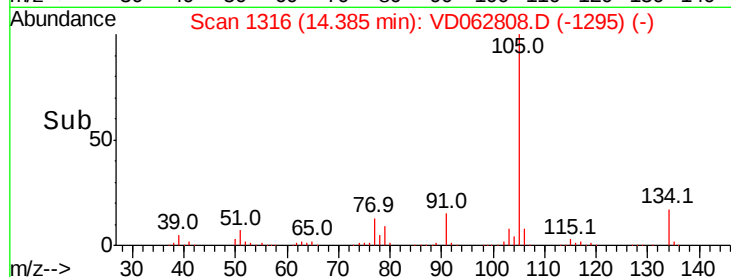
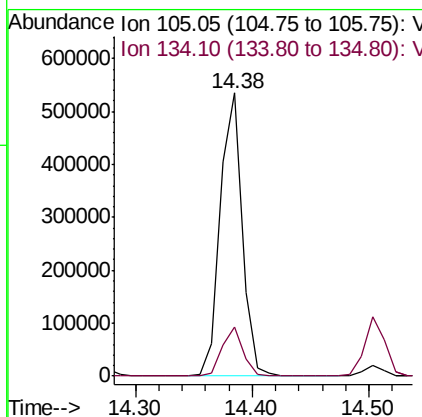
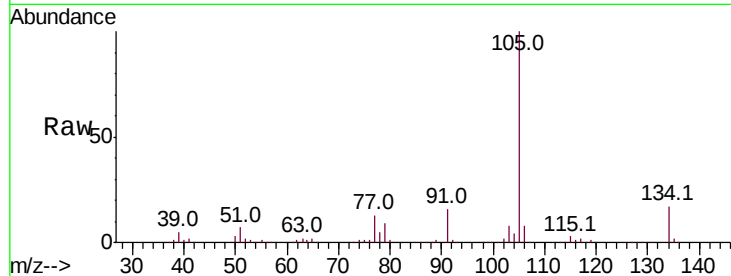




#85
 sec-Butylbenzene
 Concen: 19.938 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

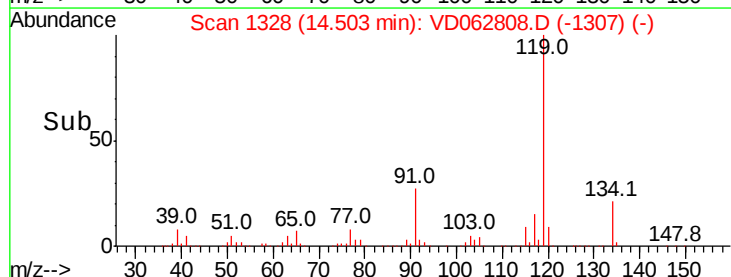
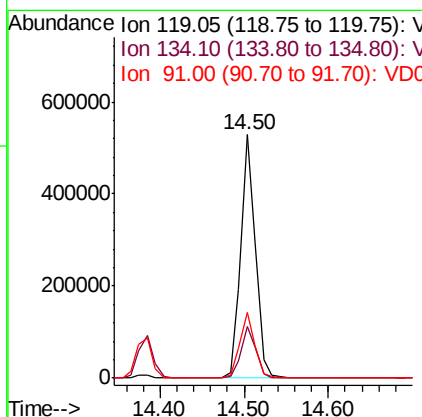
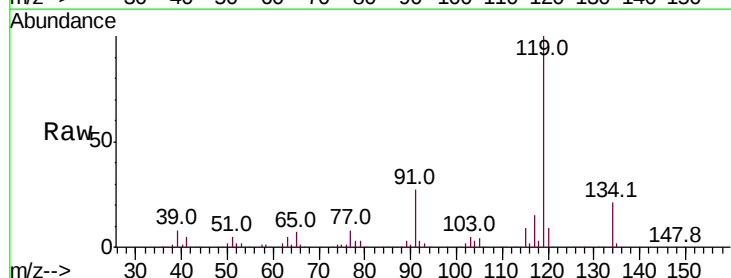
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

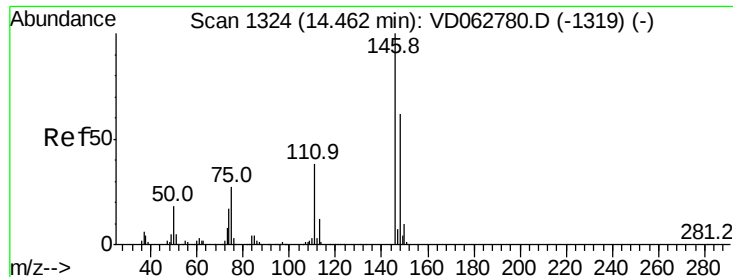
Tot Ion:105 Resp: 701229
 Ion Ratio Lower Upper
 105 100
 134 17.2 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 19.979 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Tgt Ion:119 Resp: 642844
 Ion Ratio Lower Upper
 119 100
 134 21.3 11.1 33.1
 91 27.0 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 20.338 ug/l

RT: 14.47 min Scan# 1325

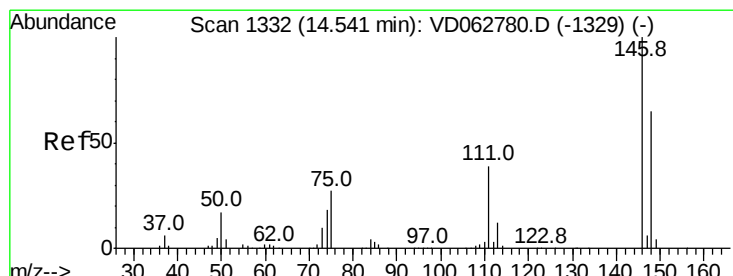
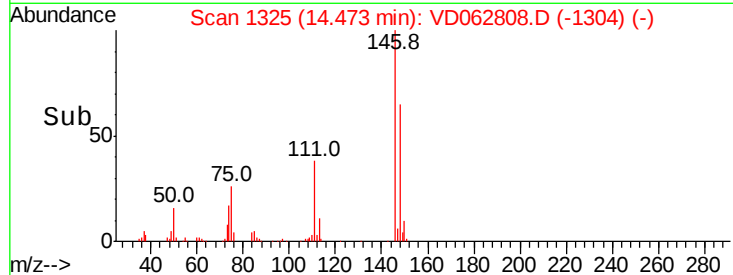
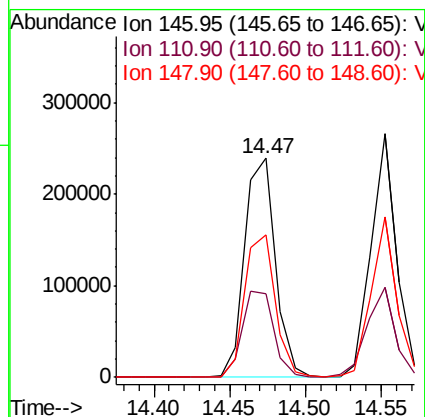
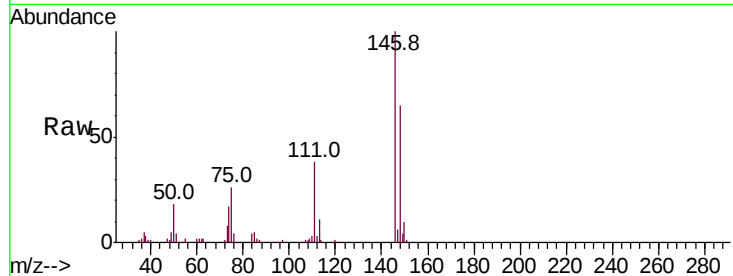
Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	64.9	30.8	92.3



#88

1,4-Dichlorobenzene

Concen: 18.825 ug/l

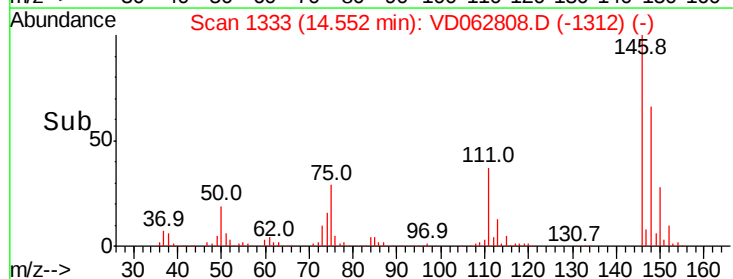
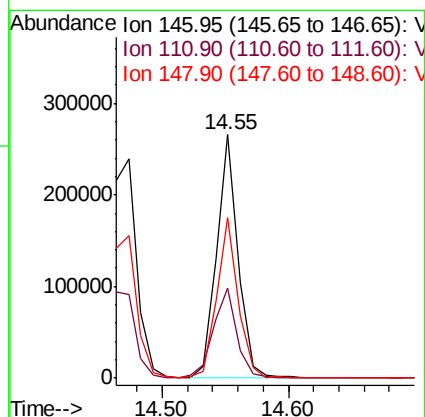
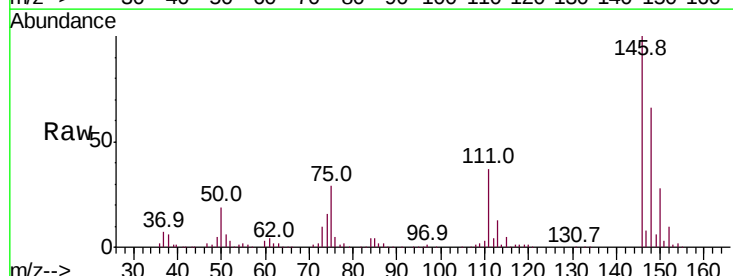
RT: 14.55 min Scan# 1333

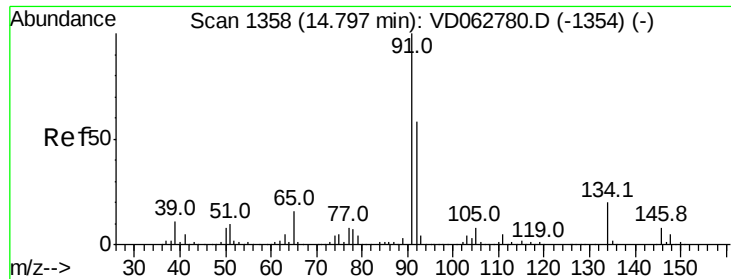
Delta R.T. 0.01 min

Lab File: VD062808.D

Acq: 21 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.7	59.1
148	65.8	32.8	98.3

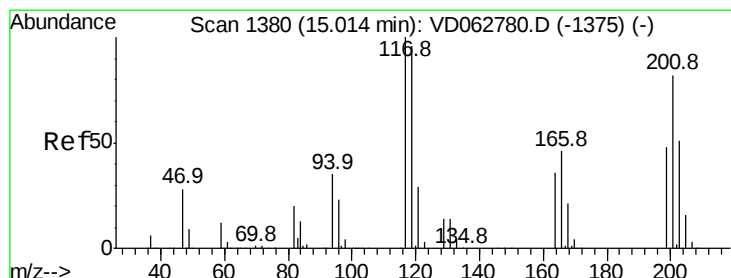
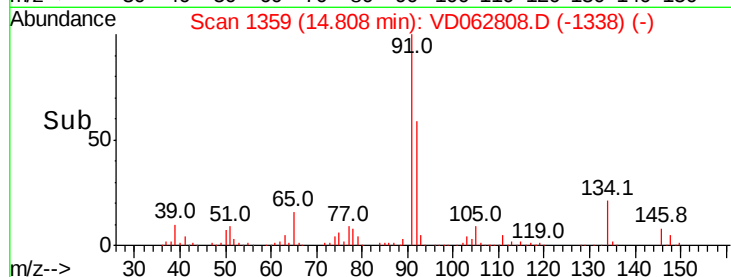
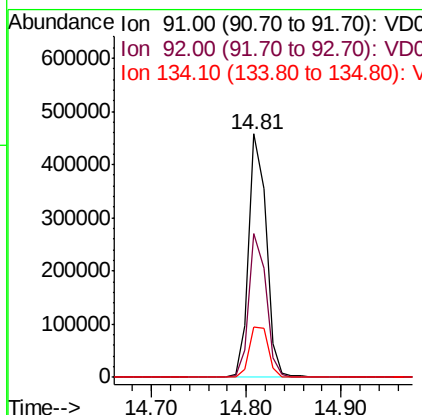
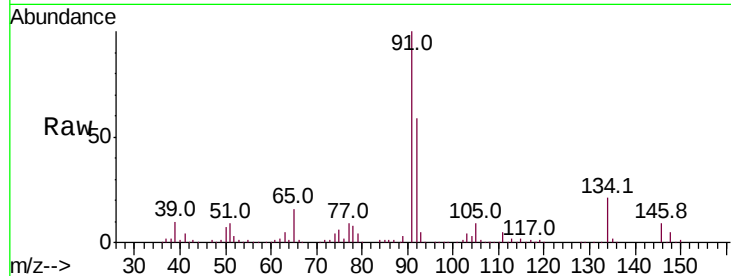




#89
n-Butylbenzene
Concen: 19.535 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

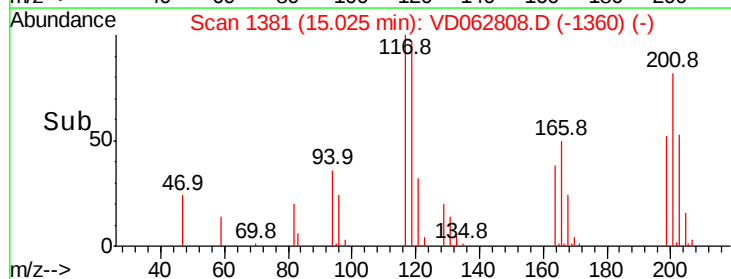
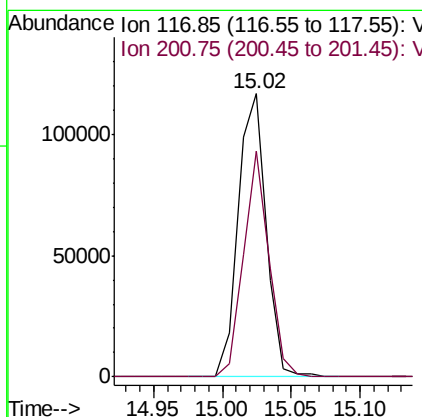
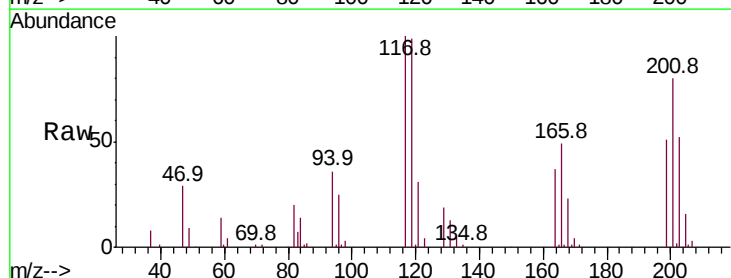
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

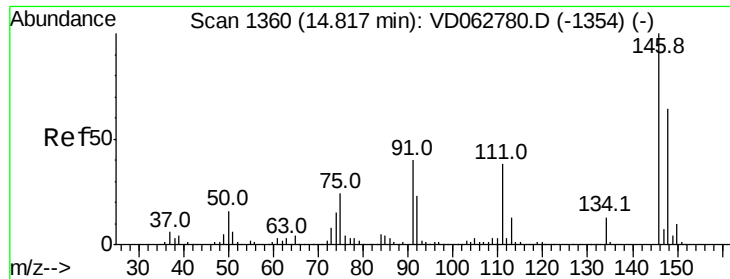
Tot Ion: 91 Resp: 588291
Ion Ratio Lower Upper
91 100
92 59.0 28.9 86.7
134 20.7 10.1 30.3



#90
Hexachloroethane
Concen: 19.088 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion: 117 Resp: 165132
Ion Ratio Lower Upper
117 100
201 80.0 40.8 122.2

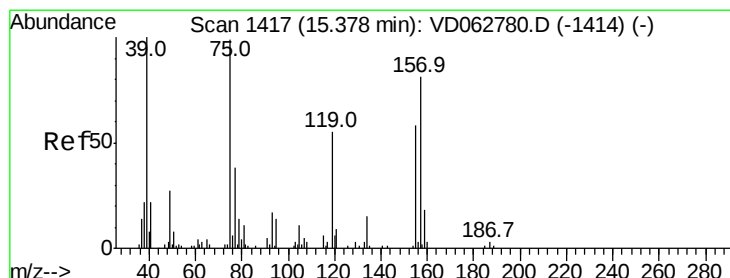
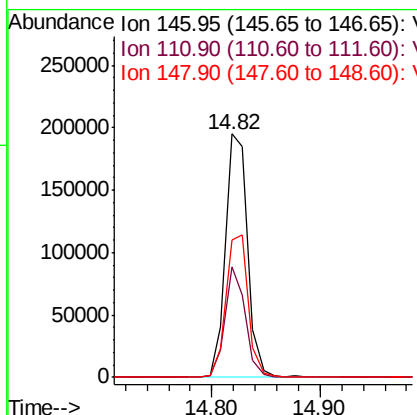
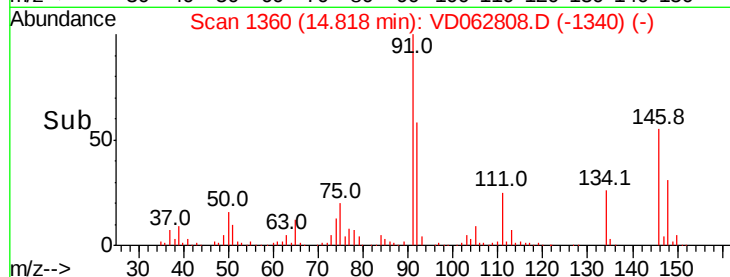
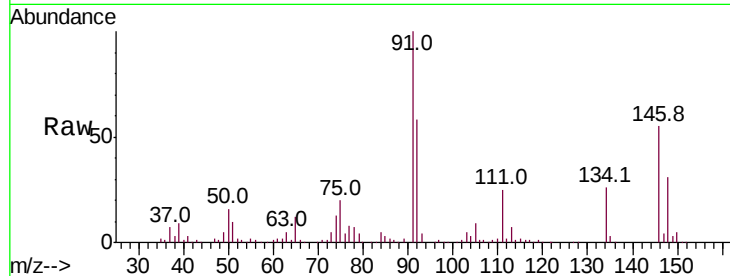




#91
 1,2-Dichlorobenzene
 Concen: 19.485 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

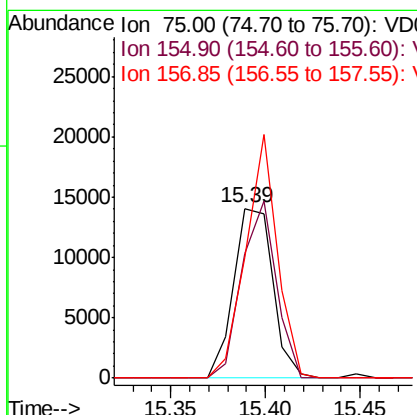
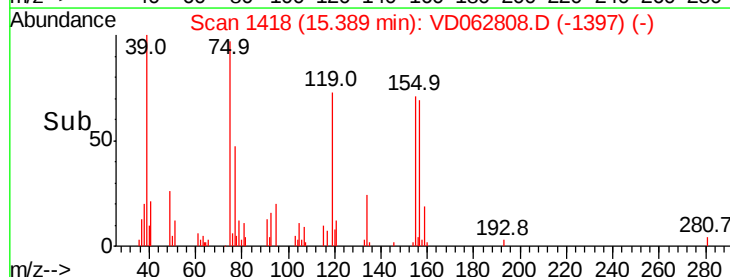
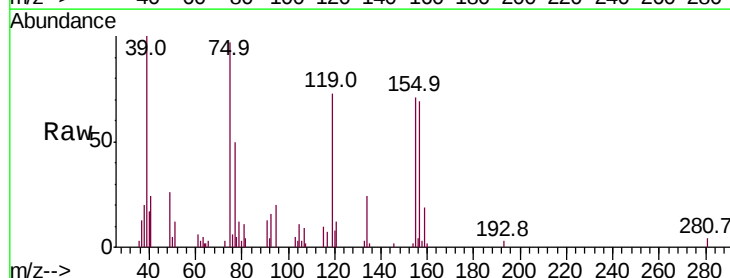
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

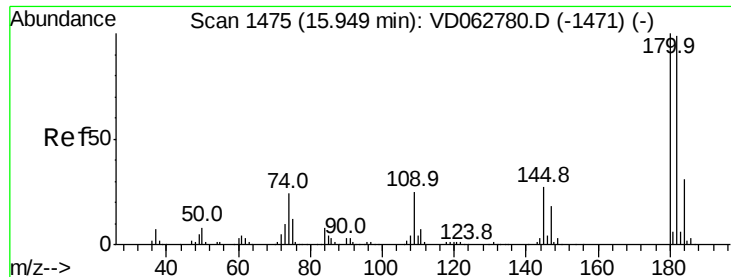
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	19.1	57.1
148	56.6	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.313 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	29.3	87.8
157	71.3	41.3	123.7

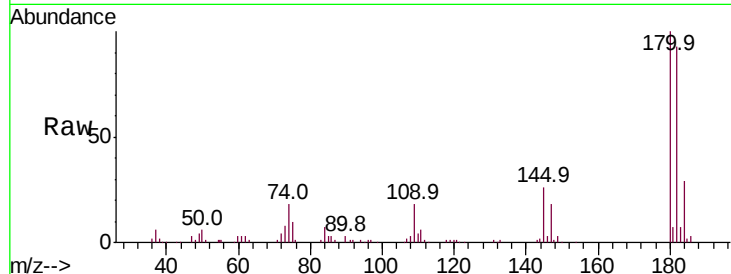




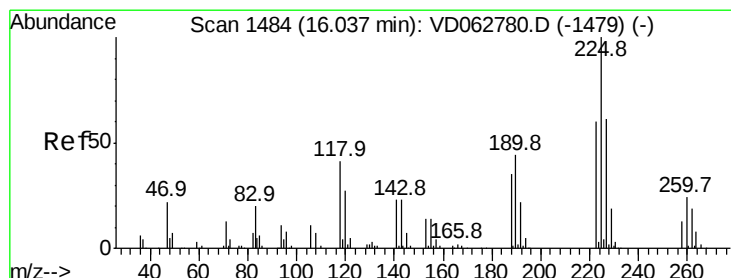
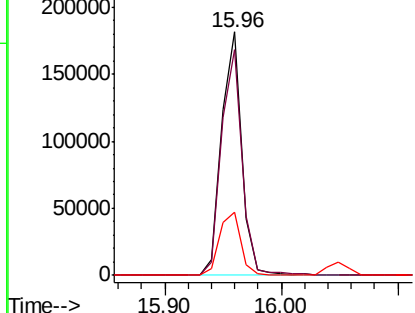
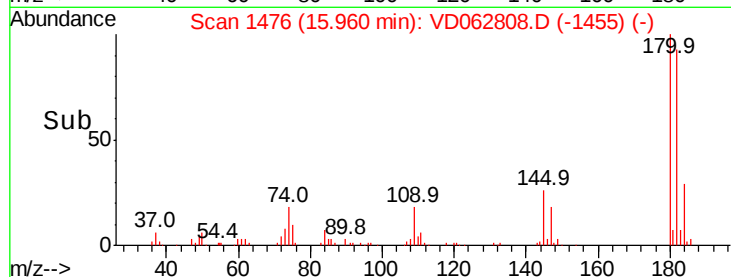
#93
 1,2,4-Trichlorobenzene
 Concen: 19.657 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Tot Ion:180 Resp: 218931
 Ion Ratio Lower Upper
 180 100
 182 92.9 49.5 148.5
 145 26.0 13.7 41.0

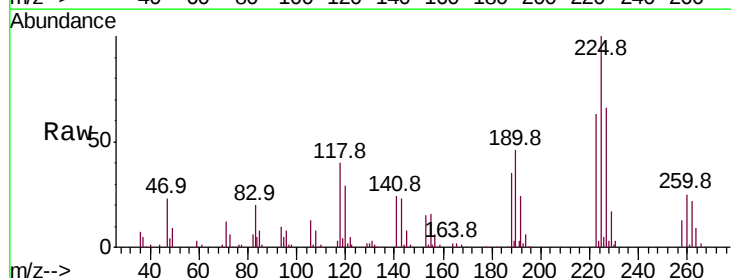


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

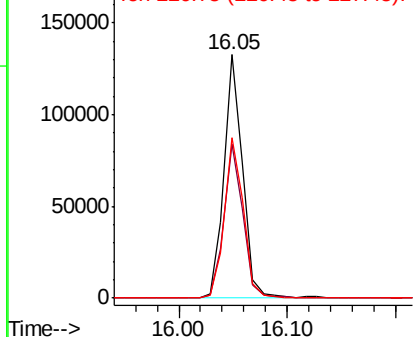
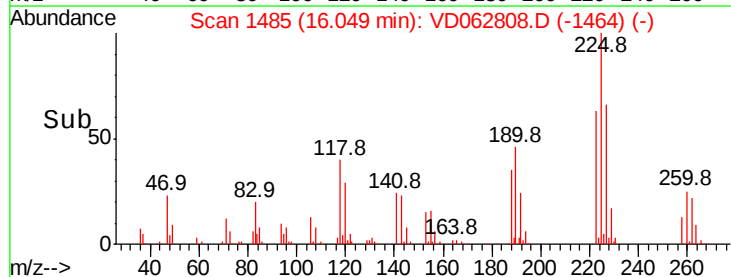


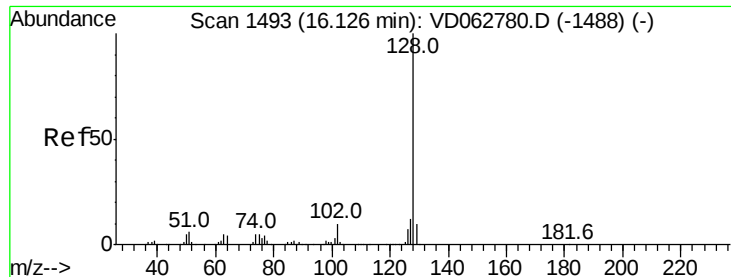
#94
 Hexachlorobutadiene
 Concen: 18.550 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062808.D
 Acq: 21 Jun 2019 11:31

Tgt Ion:225 Resp: 157835
 Ion Ratio Lower Upper
 225 100
 223 63.5 29.8 89.5
 227 66.1 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

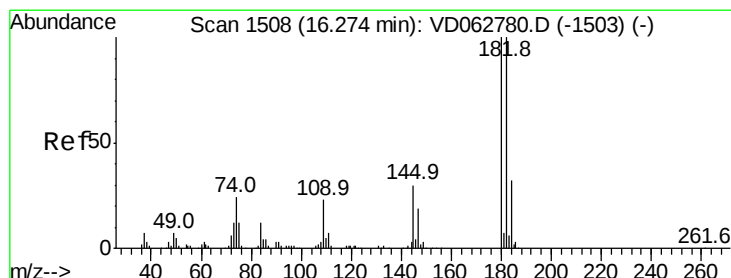
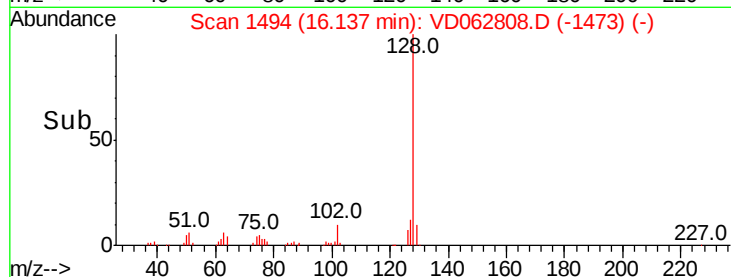
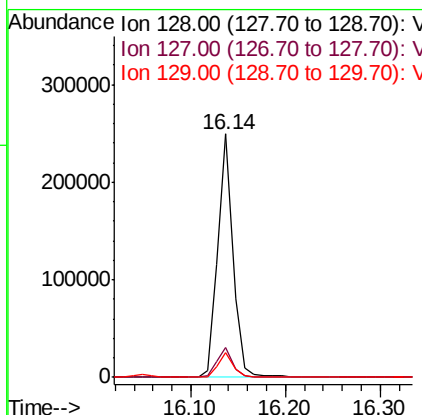
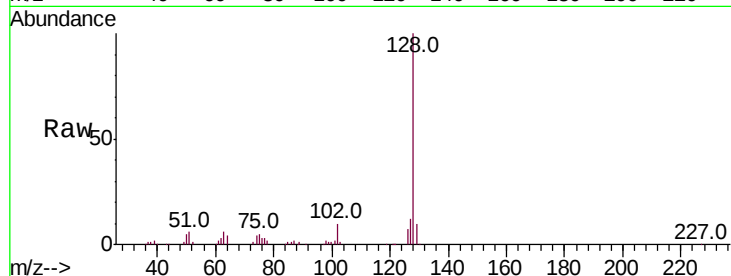




#95
Naphthalene
Concen: 17.943 ug/l
RT: 16.14 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

Tot Ion:128 Resp: 280089
Ion Ratio Lower Upper
128 100
127 12.1 9.7 14.5
129 10.4 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.823 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062808.D
Acq: 21 Jun 2019 11:31

Tgt Ion:180 Resp: 178187
Ion Ratio Lower Upper
180 100
182 93.9 49.9 149.6
145 32.6 15.2 45.5

