

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062788.D
 Acq On : 20 Jun 2019 12:37
 Operator : VA/AP
 Sample : VD0620SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Quant Time: Jun 21 06:33:12 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	919167	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1227160	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1001152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	609302	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	528873	52.93	ug/l	0.02
Spiked Amount			Recovery	=	105.86%	
35) Dibromofluoromethane	6.95	113	565214	54.62	ug/l	0.02
Spiked Amount			Recovery	=	109.24%	
50) Toluene-d8	10.43	98	1187398	52.72	ug/l	0.02
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	13.57	95	529415	51.70	ug/l	0.02
Spiked Amount			Recovery	=	103.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	282746	23.771	ug/l	95
3) Chloromethane	1.75	50	204152	22.822	ug/l	97
4) Vinyl Chloride	1.85	62	190836	21.517	ug/l	95
5) Bromomethane	2.15	94	77424	18.640	ug/l	99
6) Chloroethane	2.26	64	90534	22.547	ug/l	95
7) Trichlorofluoromethane	2.53	101	378198	21.070	ug/l	96
8) Diethyl Ether	2.88	74	49007	21.488	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.16	101	211813	21.782	ug/l	94
10) Methyl Iodide	3.31	142	259966	20.264	ug/l	95
11) Tert butyl alcohol	4.10	59	45889	100.845	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	143284	19.642	ug/l #	80
13) Acrolein	3.05	56	47901	103.113	ug/l	95
14) Allyl chloride	3.63	41	237188	22.005	ug/l	99
15) Acrylonitrile	4.21	53	116962	109.389	ug/l	95
16) Acetone	3.24	43	209532	99.195	ug/l	99
17) Carbon Disulfide	3.38	76	504581	21.643	ug/l	99
18) Methyl Acetate	3.66	43	74275	24.626	ug/l	96
19) Methyl tert-butyl Ether	4.26	73	343804	21.771	ug/l	97
20) Methylene Chloride	3.83	84	160149	21.018	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	168966	21.753	ug/l	91
22) Diisopropyl ether	5.15	45	476575	21.741	ug/l	95
23) Vinyl Acetate	5.09	43	1483826	108.177	ug/l	99
24) 1,1-Dichloroethane	5.00	63	291113	20.398	ug/l	96
25) 2-Butanone	6.09	43	212173	113.543	ug/l	95
26) 2,2-Dichloropropane	6.04	77	330274	21.833	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	178834	21.772	ug/l	95
28) Bromochloromethane	6.45	49	111477	22.177	ug/l	86
29) Tetrahydrofuran	6.48	42	98576	111.494	ug/l	97
30) Chloroform	6.68	83	366417	21.111	ug/l	94
31) Cyclohexane	6.97	56	193879	20.664	ug/l	95
32) 1,1,1-Trichloroethane	6.89	97	380005	21.020	ug/l	97
36) 1,1-Dichloropropene	7.16	75	245009	21.091	ug/l	97
37) Ethyl Acetate	6.21	43	113668	22.692	ug/l	98
38) Carbon Tetrachloride	7.13	117	383014	21.923	ug/l	96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	215458	21.071	ug/l	96
40) Benzene	7.48	78	488921	20.967	ug/l	98
41) Methacrylonitrile	6.46	41	135936	22.189	ug/l #	96
42) 1,2-Dichloroethane	7.60	62	279240	21.951	ug/l	100
43) Isopropyl Acetate	9.26	43	135658	22.274	ug/l #	92
44) Trichloroethene	8.56	130	197296	21.582	ug/l	97
45) 1,2-Dichloropropane	8.96	63	122974	21.209	ug/l	94
46) Dibromomethane	9.08	93	106698	21.422	ug/l	88
47) Bromodichloromethane	9.40	83	271762	21.009	ug/l #	95
48) Methyl methacrylate	9.14	41	99649	23.025	ug/l	91
49) 1,4-Dioxane	9.10	88	17347	481.767	ug/l	91
51) 4-Methyl-2-Pentanone	10.32	43	469507	108.733	ug/l	99
52) Toluene	10.53	92	350463	22.358	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	222028	20.970	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	260560	22.642	ug/l	95
55) 1,1,2-Trichloroethane	11.21	97	116321	21.600	ug/l	95
56) Ethyl methacrylate	11.06	69	128141	22.265	ug/l	98
57) 1,3-Dichloropropane	11.43	76	172650	20.938	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	291179	98.551	ug/l	96
59) 2-Hexanone	11.55	43	358752	116.659	ug/l	96
60) Dibromochloromethane	11.70	129	214770	21.411	ug/l	96
61) 1,2-Dibromoethane	11.82	107	141826	22.299	ug/l	97
64) Tetrachloroethene	11.28	164	189225	22.965	ug/l	98
65) Chlorobenzene	12.41	112	406267	21.865	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.53	131	193693	22.291	ug/l	88
67) Ethyl Benzene	12.54	91	759334	22.763	ug/l	97
68) m/p-Xylenes	12.69	106	495547	42.651	ug/l	95
69) o-Xylene	13.06	106	243095	22.888	ug/l	95
70) Styrene	13.09	104	432573	23.187	ug/l	95
71) Bromoform	13.25	173	136230	22.883	ug/l	98
73) Isopropylbenzene	13.41	105	765696	19.599	ug/l	99
74) N-amyl acetate	13.28	43	193479	20.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	128461	20.181	ug/l	96
76) 1,2,3-Trichloropropane	13.75	75	141790	20.158	ug/l	94
77) Bromobenzene	13.68	156	214514	20.414	ug/l	88
78) n-propylbenzene	13.79	91	856376	18.834	ug/l	96
79) 2-Chlorotoluene	13.85	91	533618	20.535	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	707871	21.572	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	36768	19.945	ug/l	89
82) 4-Chlorotoluene	13.96	91	679252	21.712	ug/l	94
83) tert-Butylbenzene	14.20	119	744594	20.357	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	644826	19.172	ug/l	98
85) sec-Butylbenzene	14.38	105	801331	20.157	ug/l	96
86) p-Isopropyltoluene	14.50	119	780620	21.464	ug/l	97
87) 1,3-Dichlorobenzene	14.47	146	408714	21.698	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	399087	21.094	ug/l	95
89) n-Butylbenzene	14.81	91	715153	21.009	ug/l	97
90) Hexachloroethane	15.02	117	190327	19.464	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	354925	22.023	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	28043	22.572	ug/l #	28

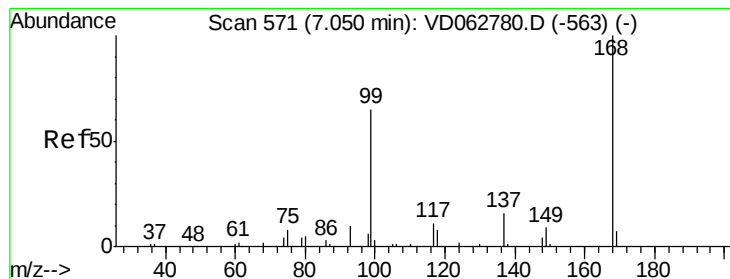
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	265471	21.087	ug/l	96
94) Hexachlorobutadiene	16.04	225	187286	19.473	ug/l	99
95) Naphthalene	16.13	128	357335	20.251	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	201033	20.783	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

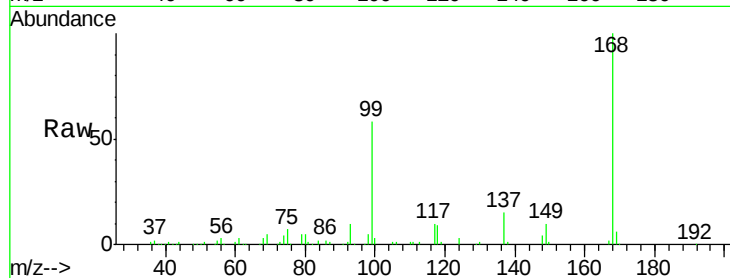
VD0620SBS02

Tot Ion:168 Resp: 919167

Ion Ratio Lower Upper

168 100

99 57.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

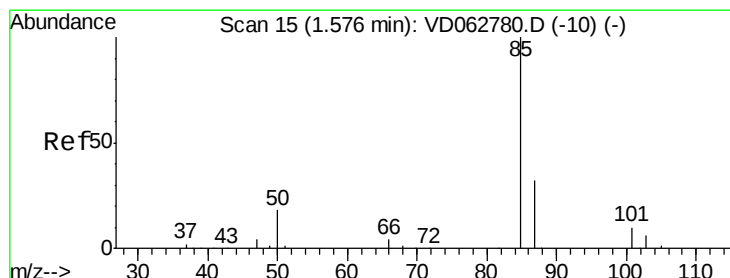
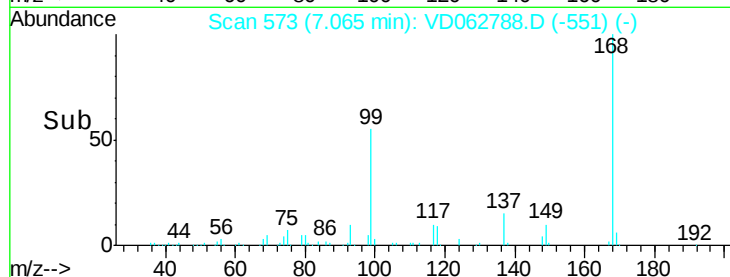
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 23.771 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062788.D

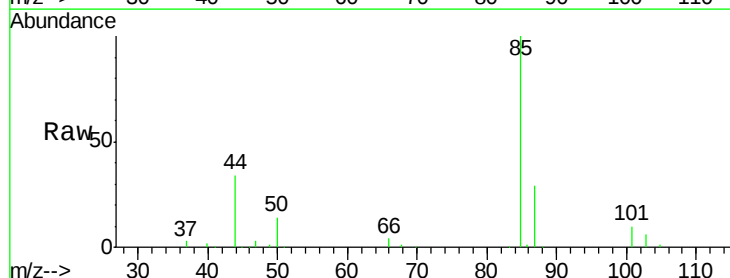
Acq: 20 Jun 2019 12:37

Tgt Ion: 85 Resp: 282746

Ion Ratio Lower Upper

85 100

87 28.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

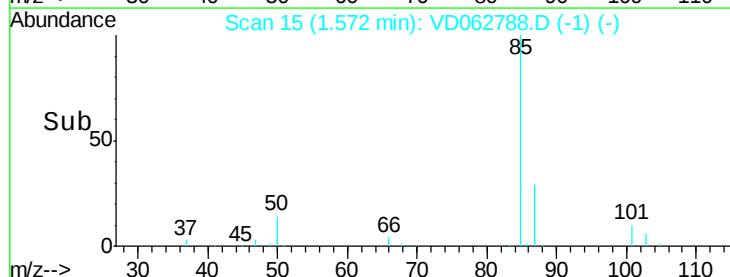
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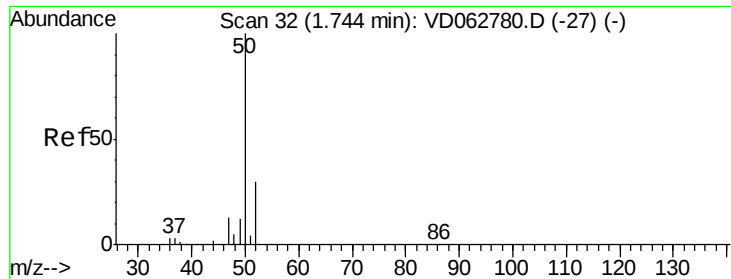
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.822 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

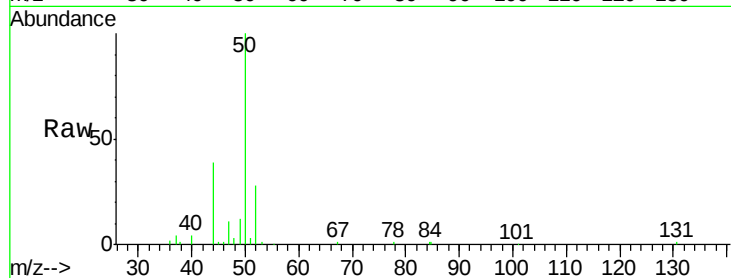
VD0620SBS02

Tot Ion: 50 Resp: 204152

Ion Ratio Lower Upper

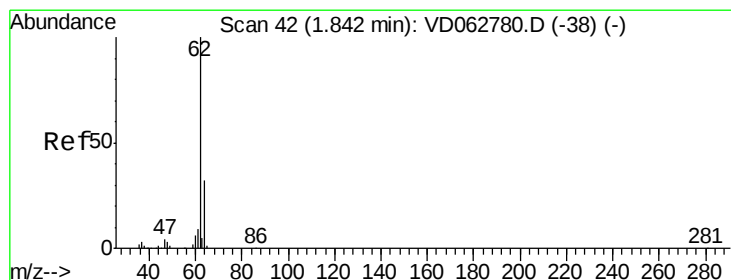
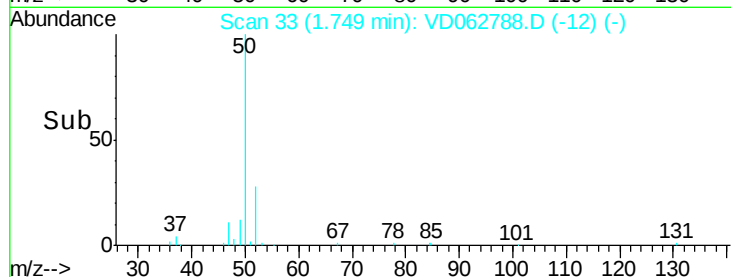
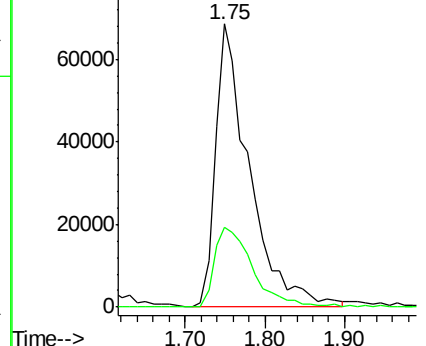
50 100

52 28.0 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.517 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062788.D

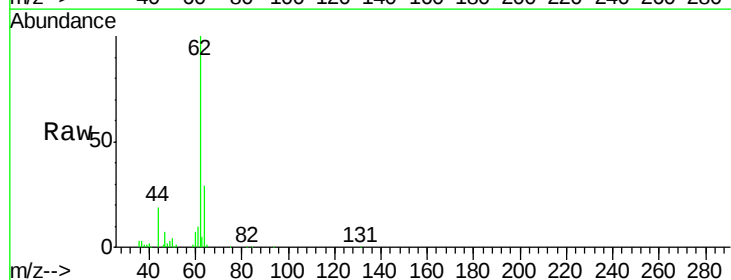
Acq: 20 Jun 2019 12:37

Tgt Ion: 62 Resp: 190836

Ion Ratio Lower Upper

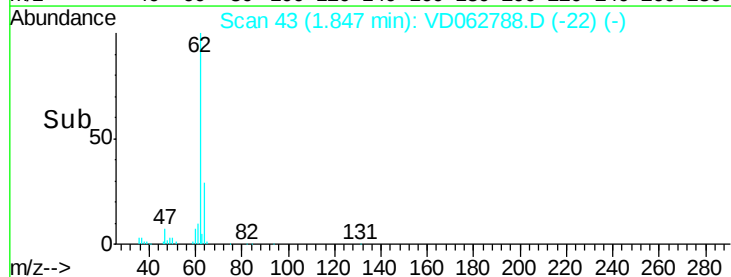
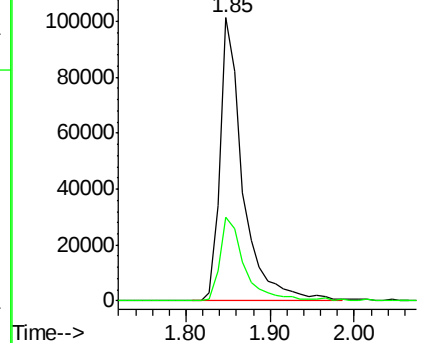
62 100

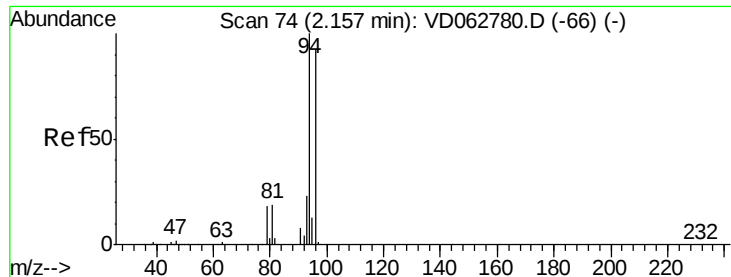
64 29.4 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.640 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

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ClientSampleId :

VD0620SBS02

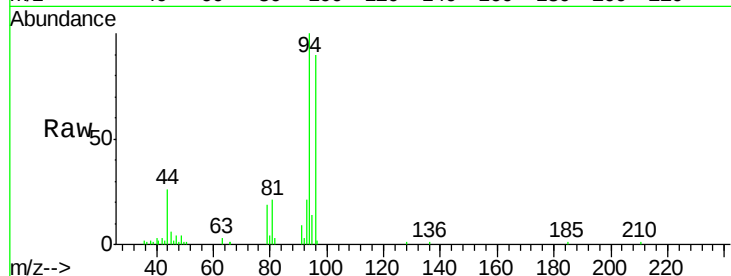
Tot Ion: 94 Resp: 77424

Ion Ratio Lower Upper

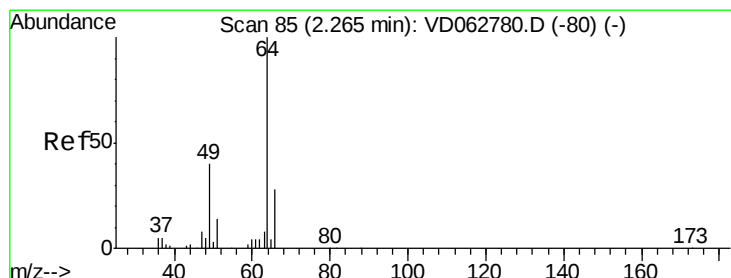
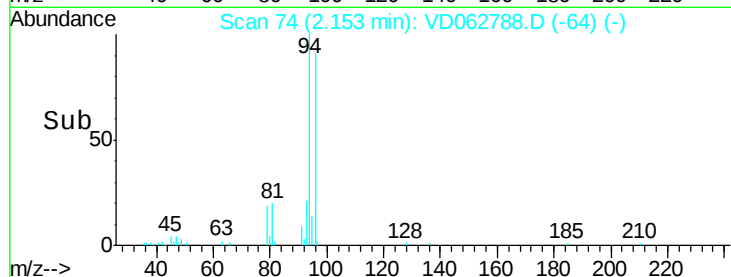
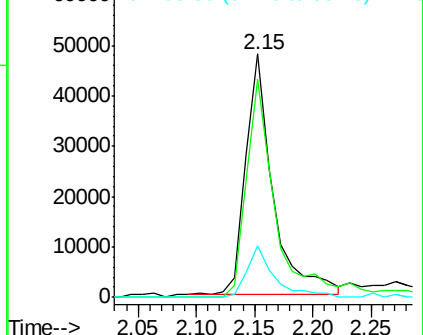
94 100

96 91.3 73.4 110.2

93 21.2 18.2 27.4



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



#6

Chloroethane

Concen: 22.547 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062788.D

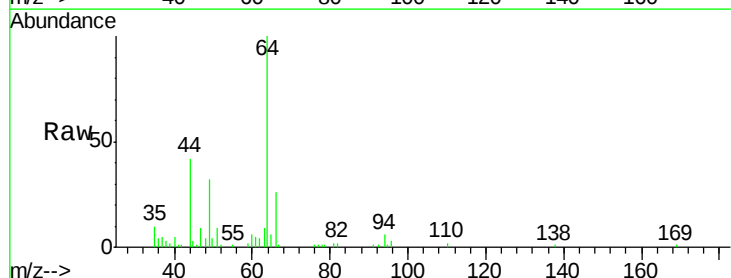
Acq: 20 Jun 2019 12:37

Tgt Ion: 64 Resp: 90534

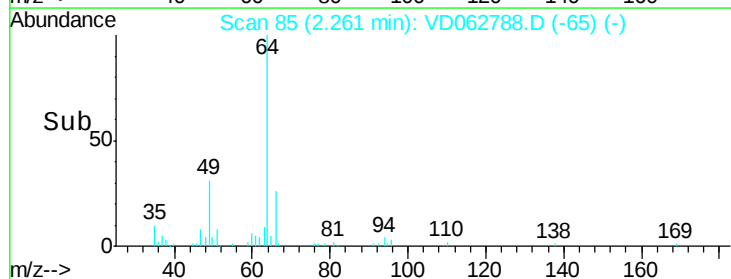
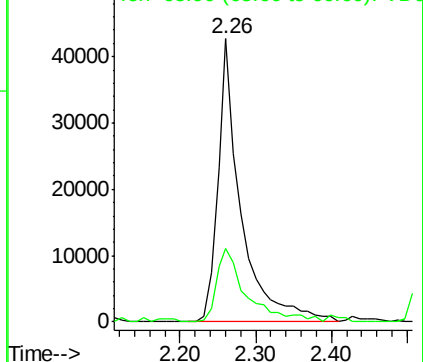
Ion Ratio Lower Upper

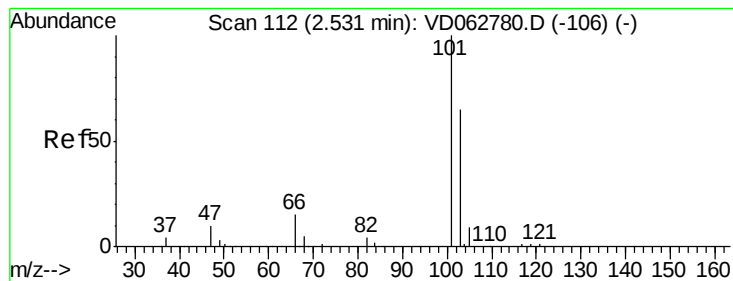
64 100

66 26.0 23.0 34.4



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



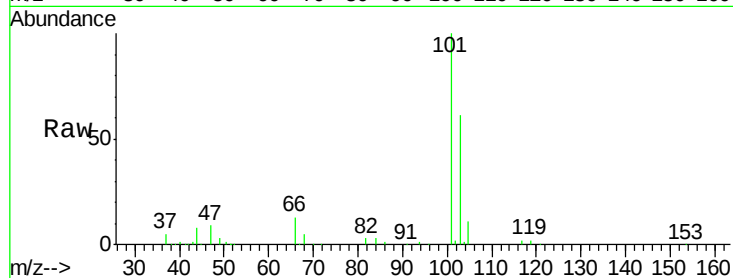


#7

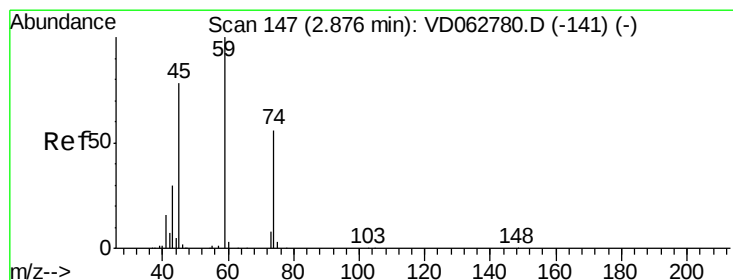
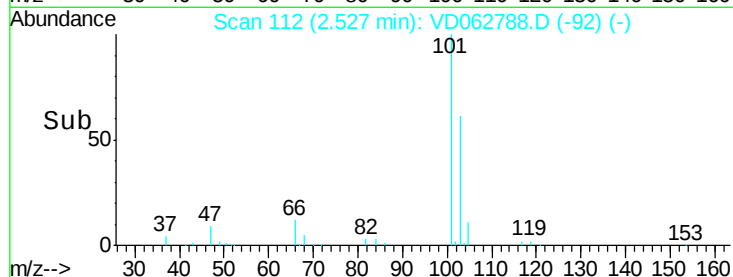
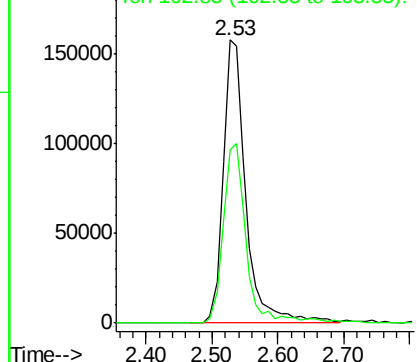
Trichlorofluoromethane
Concen: 21.070 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:101 Resp: 378198
Ion Ratio Lower Upper
101 100
103 61.4 51.8 77.8



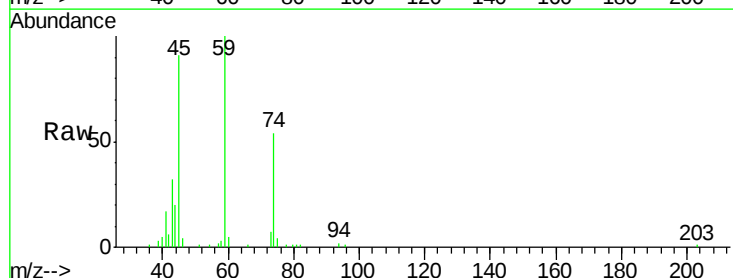
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



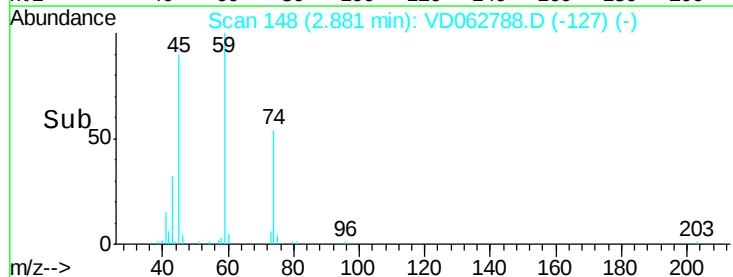
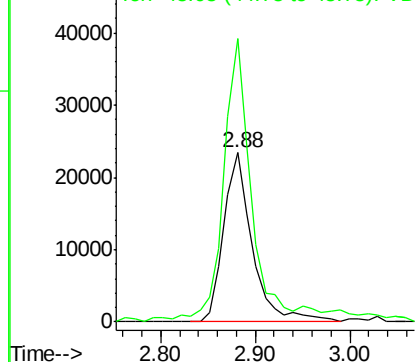
#8

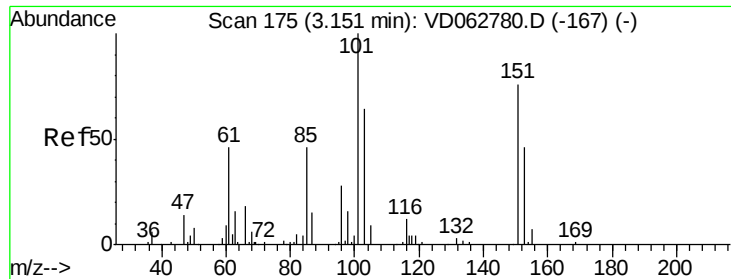
Diethyl Ether
Concen: 21.488 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion: 74 Resp: 49007
Ion Ratio Lower Upper
74 100
45 167.1 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: 21.782 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

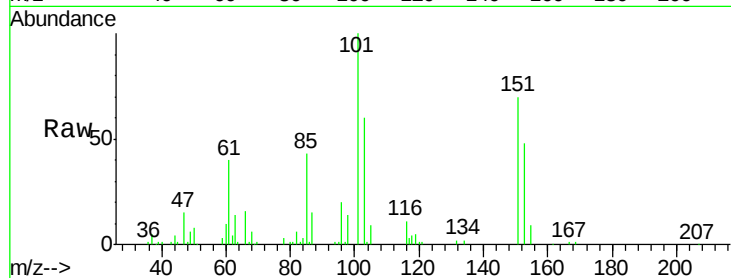
Tot Ion:101 Resp: 211813

Ion Ratio Lower Upper

101 100

85 42.8 37.0 55.4

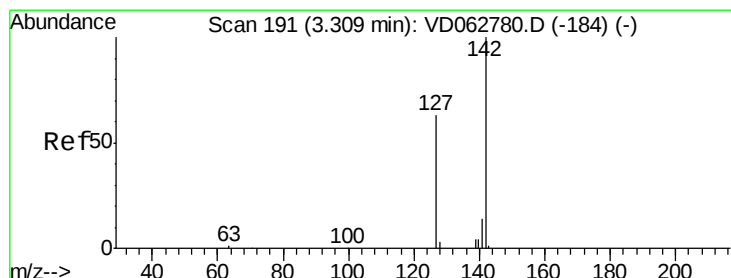
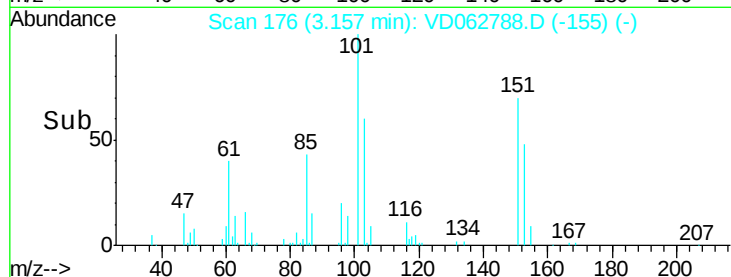
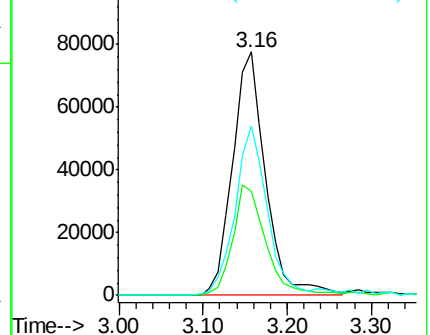
151 69.7 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.264 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

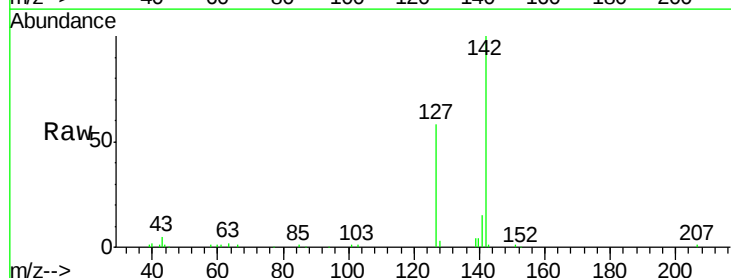
Tgt Ion:142 Resp: 259966

Ion Ratio Lower Upper

142 100

127 58.2 50.1 75.1

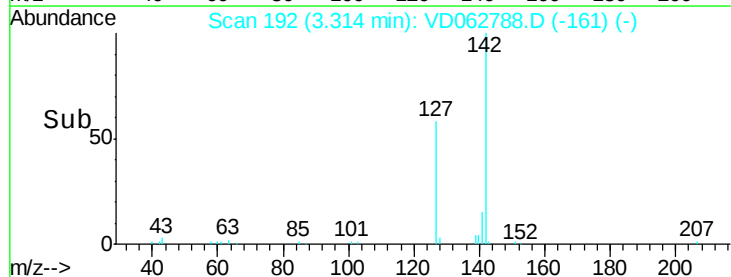
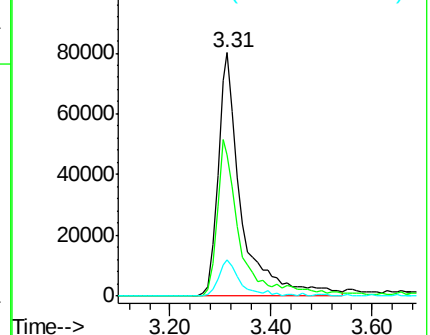
141 14.9 11.0 16.4

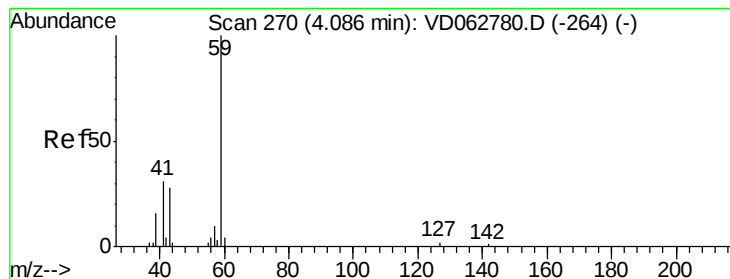


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



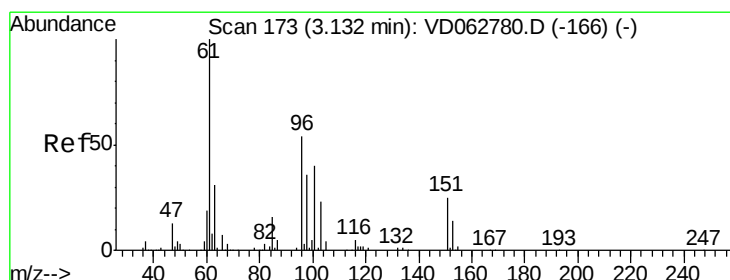
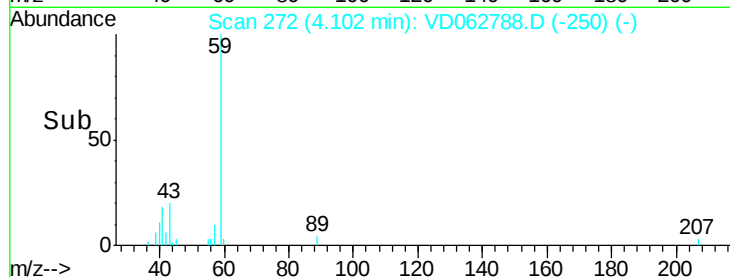
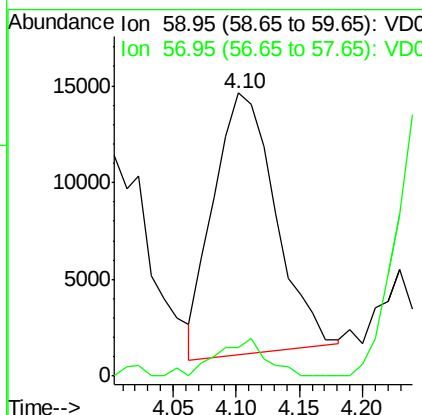
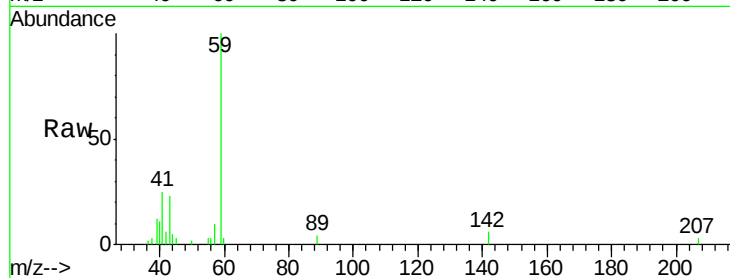


#11

Tert butyl alcohol
Concen: 100.845 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

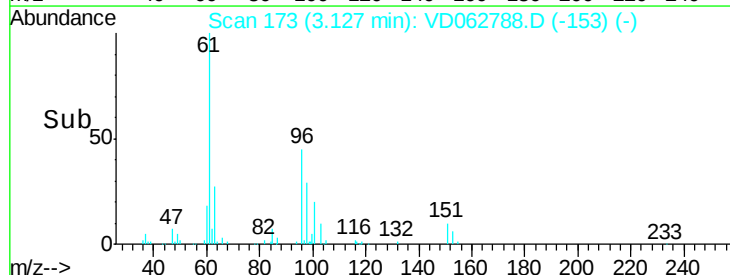
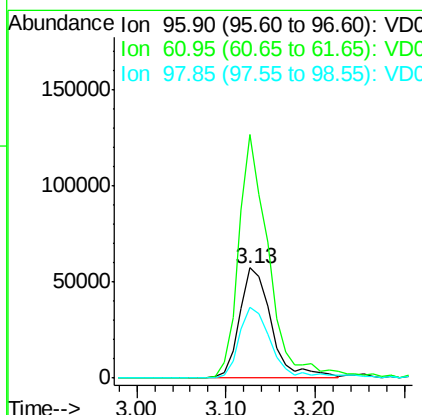
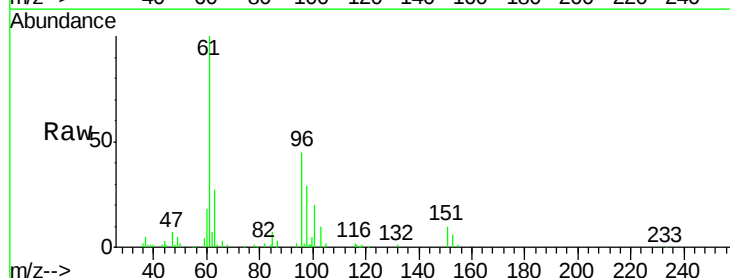
Tot Ion: 59 Resp: 45889
Ion Ratio Lower Upper
59 100
57 10.3 6.6 10.0#



#12

1,1-Dichloroethene
Concen: 19.642 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion: 96 Resp: 143284
Ion Ratio Lower Upper
96 100
61 221.3 147.1 220.7#
98 63.9 52.6 79.0





#13

Acrolein

Concen: 103.113 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

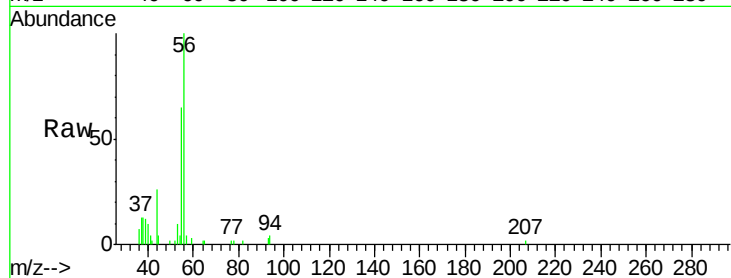
VD0620SBS02

Tot Ion: 56 Resp: 47901

Ion Ratio Lower Upper

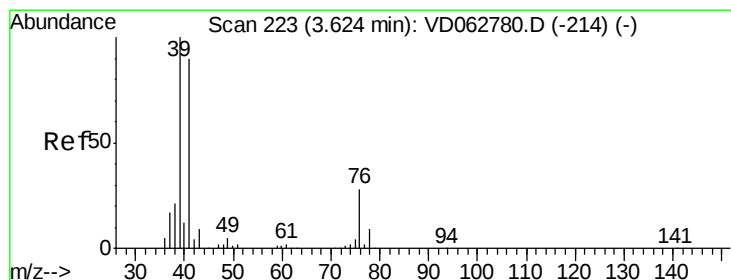
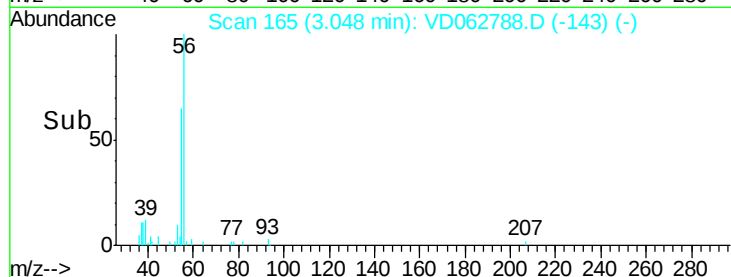
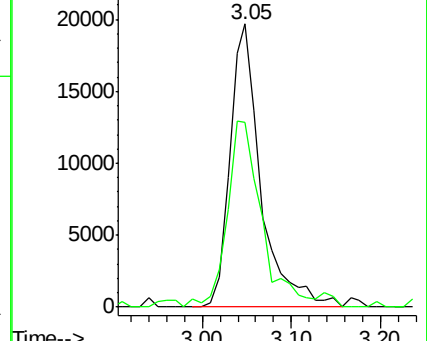
56 100

55 65.5 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.005 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

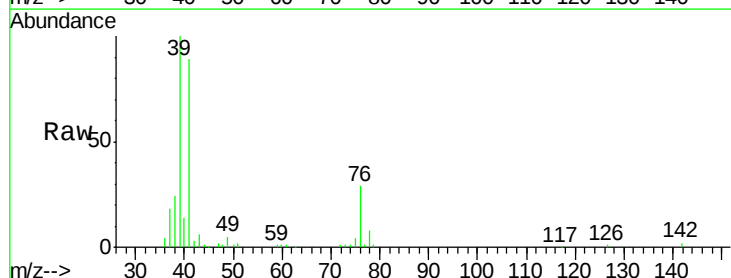
Tgt Ion: 41 Resp: 237188

Ion Ratio Lower Upper

41 100

39 112.3 88.8 133.2

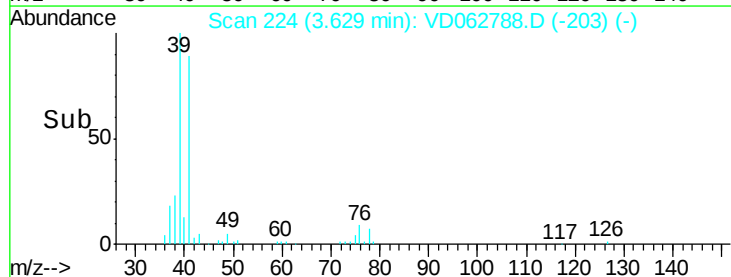
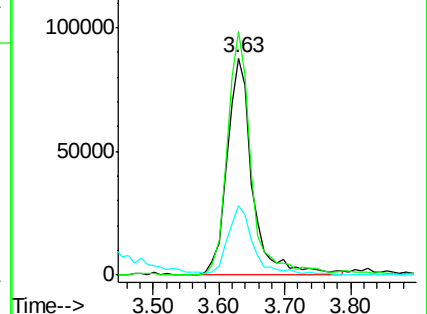
76 32.2 26.7 40.1

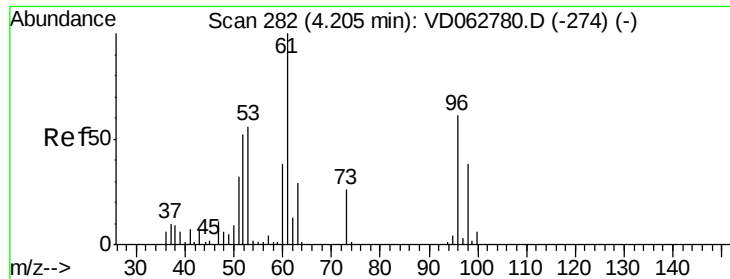


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 109.389 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

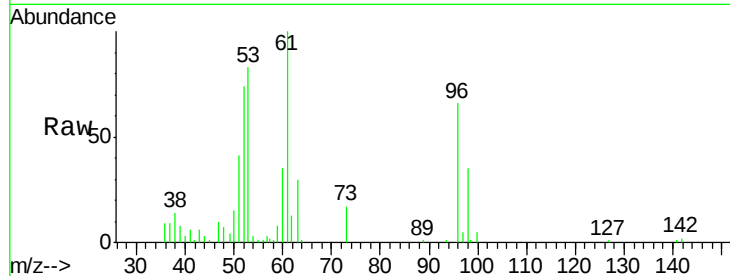
Tot Ion: 53 Resp: 116962

Ion Ratio Lower Upper

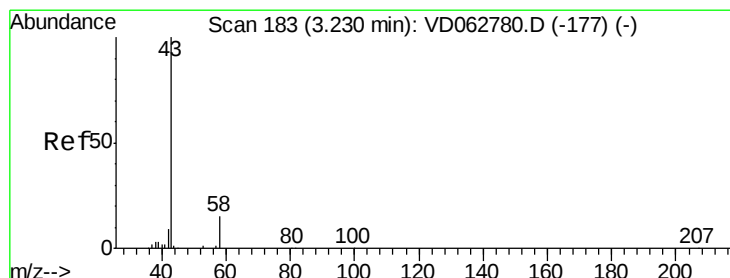
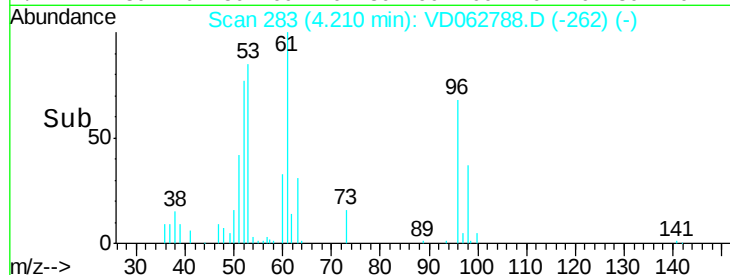
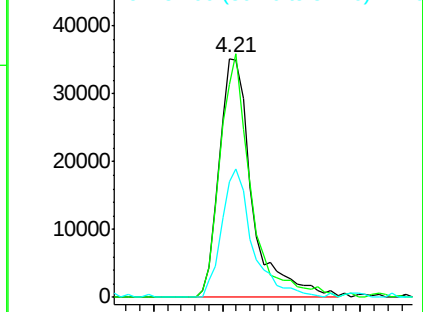
53 100

52 89.2 73.3 109.9

51 48.6 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.195 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062788.D

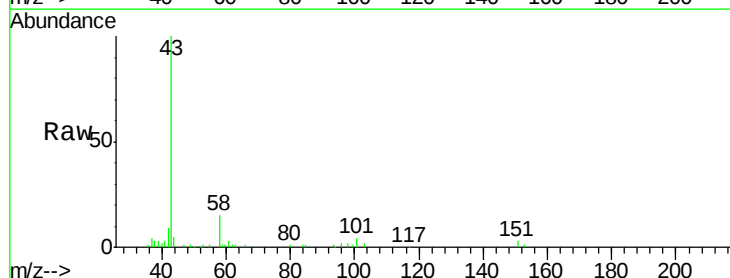
Acq: 20 Jun 2019 12:37

Tgt Ion: 43 Resp: 209532

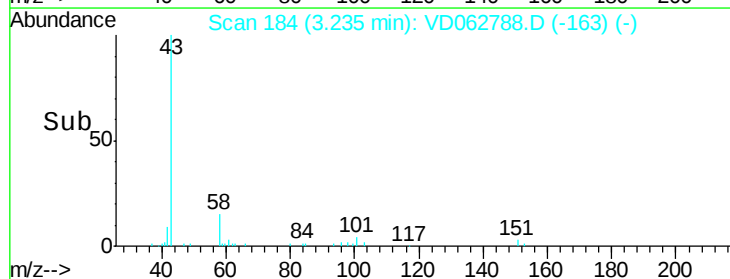
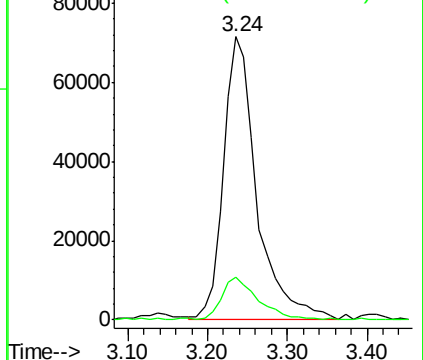
Ion Ratio Lower Upper

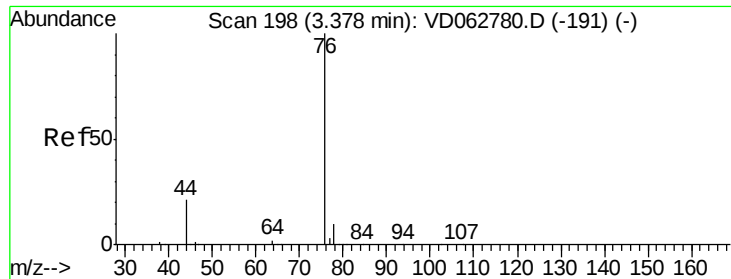
43 100

58 15.2 11.9 17.9



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

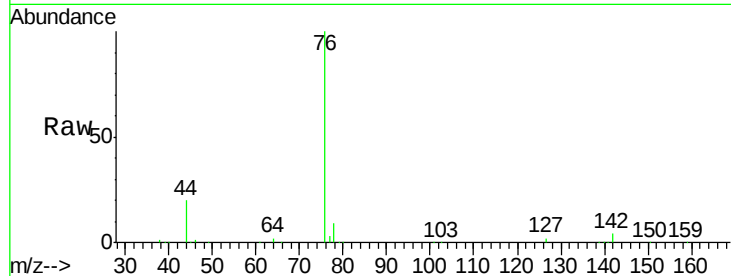




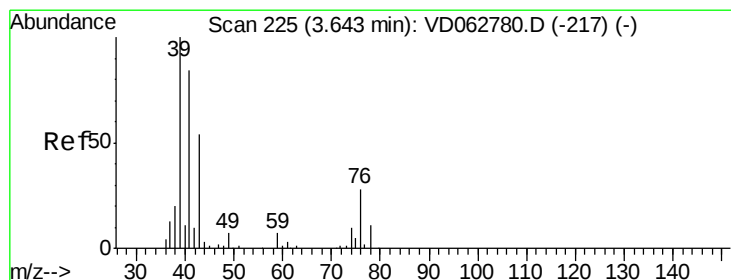
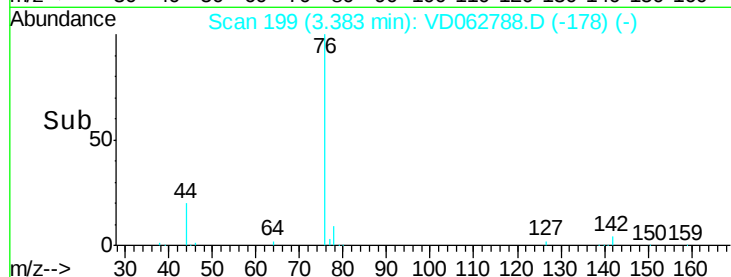
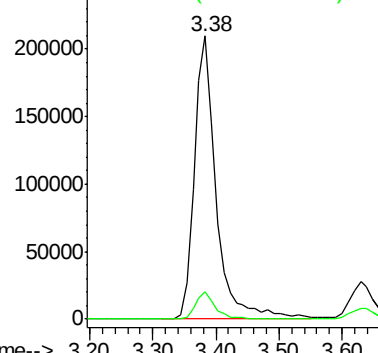
#17
Carbon Disulfide
Concen: 21.643 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion: 76 Resp: 504581
Ion Ratio Lower Upper
76 100
78 9.5 8.0 12.0

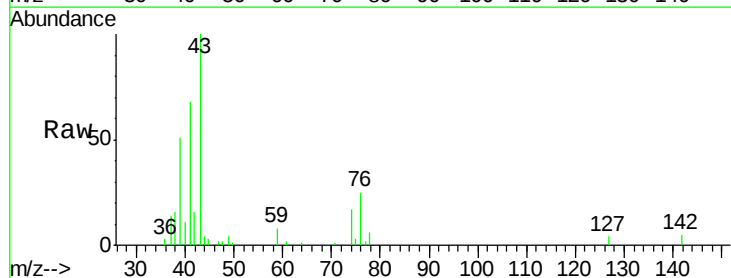


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

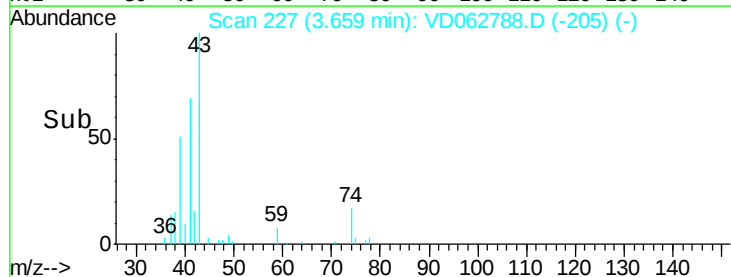
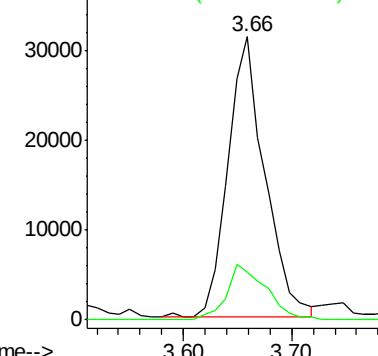


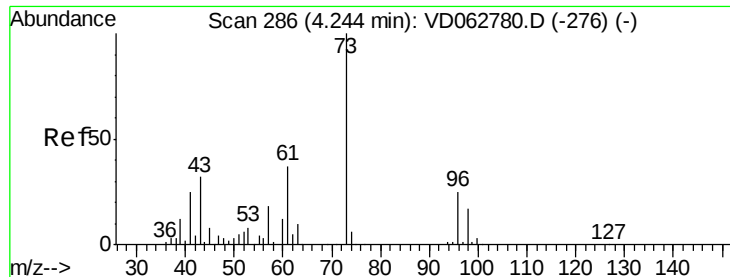
#18
Methyl Acetate
Concen: 24.626 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion: 43 Resp: 74275
Ion Ratio Lower Upper
43 100
74 17.0 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

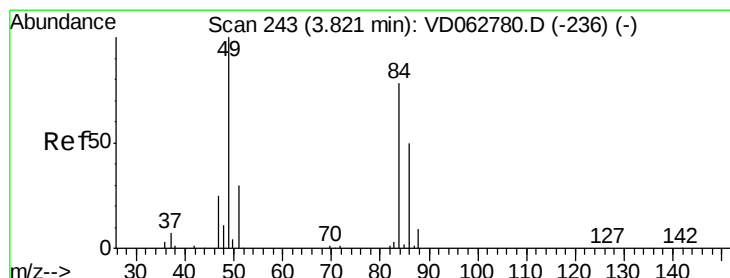
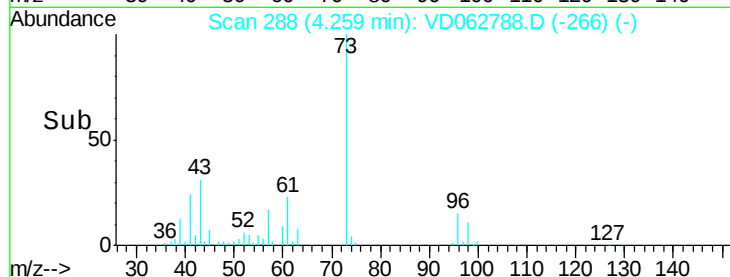
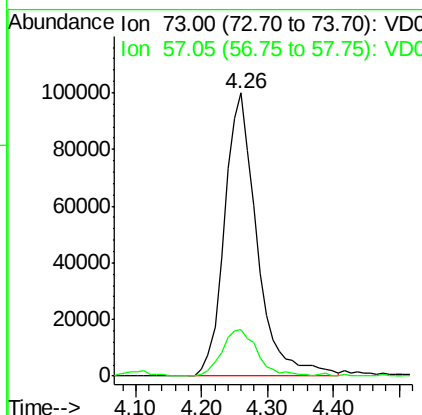
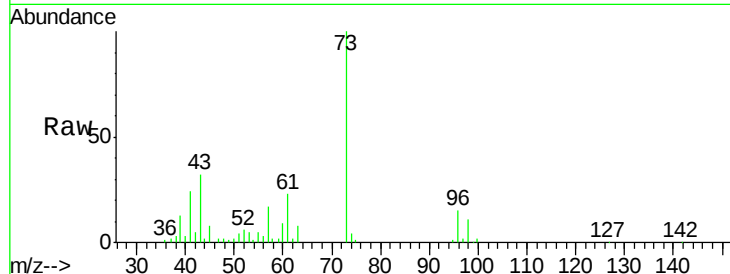




#19
Methyl tert-butyl Ether
Concen: 21.771 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

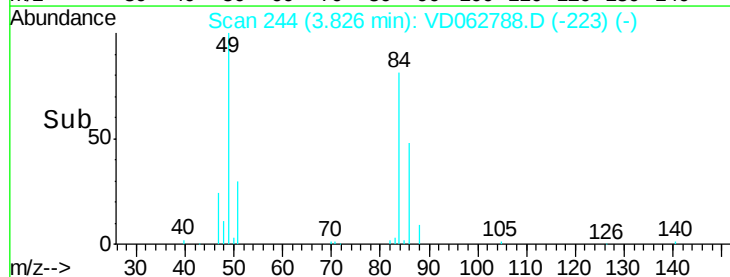
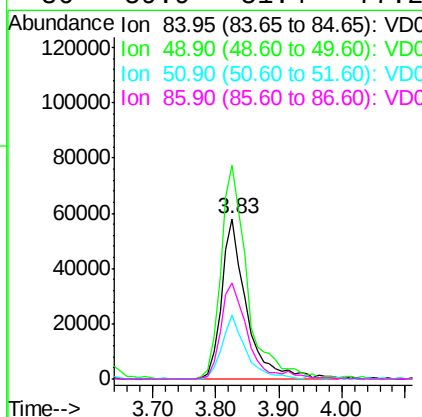
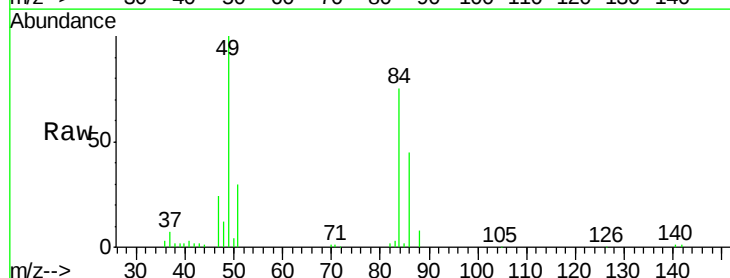
Instrument :
MSVOA_D
ClientSampleID :
VD0620SBS02

Tot Ion: 73 Resp: 343804
Ion Ratio Lower Upper
73 100
57 16.6 14.3 21.5



#20
Methylene Chloride
Concen: 21.018 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion: 84 Resp: 160149
Ion Ratio Lower Upper
84 100
49 133.1 102.9 154.3
51 40.0 31.2 46.8
86 59.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.753 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

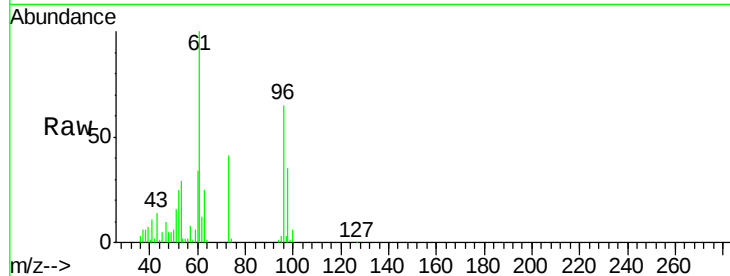
Tot Ion: 96 Resp: 168966

Ion Ratio Lower Upper

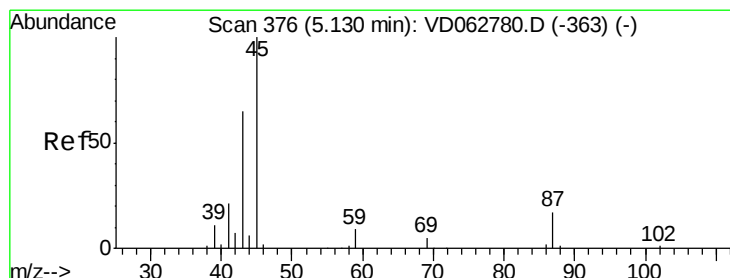
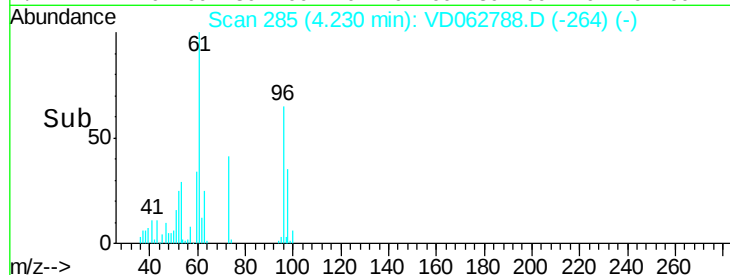
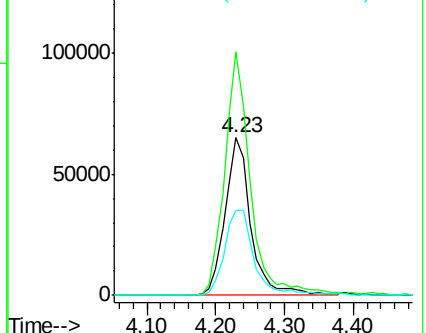
96 100

61 154.5 131.0 196.4

98 54.1 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: 21.741 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Tgt Ion: 45 Resp: 476575

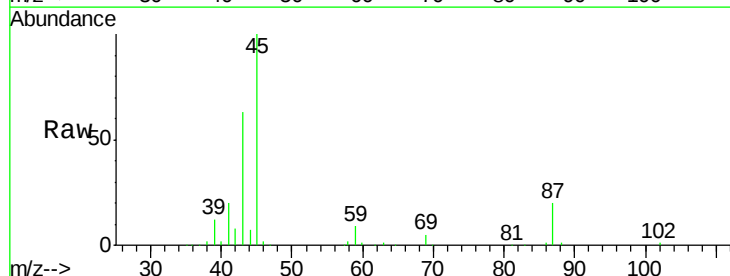
Ion Ratio Lower Upper

45 100

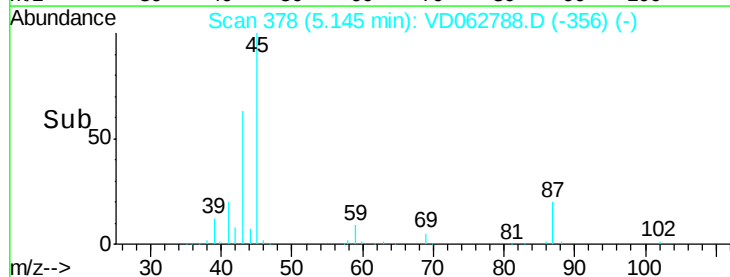
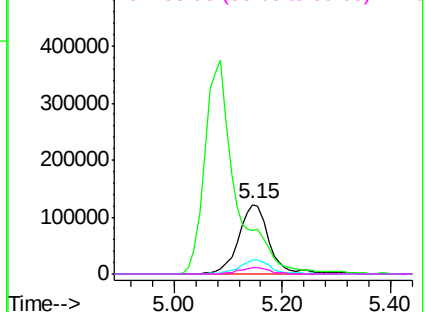
43 62.9 53.4 80.0

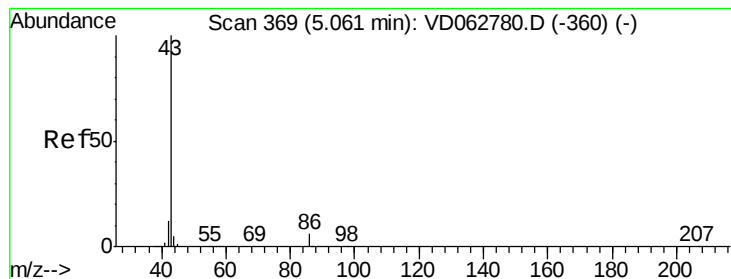
87 20.2 14.6 22.0

59 8.5 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: 108.177 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

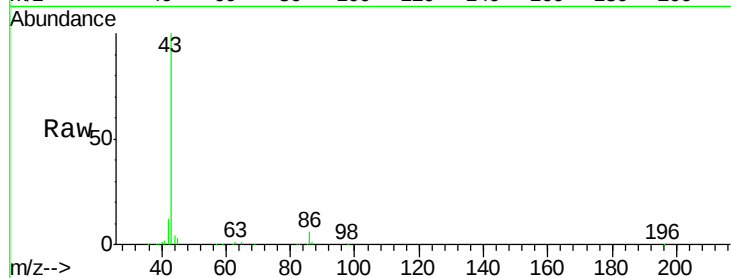
VD0620SBS02

Tot Ion: 43 Resp: 1483826

Ion Ratio Lower Upper

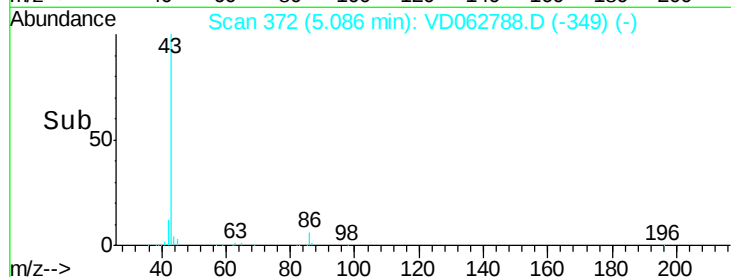
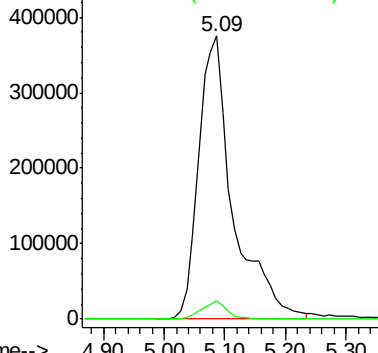
43 100

86 6.3 4.7 7.1

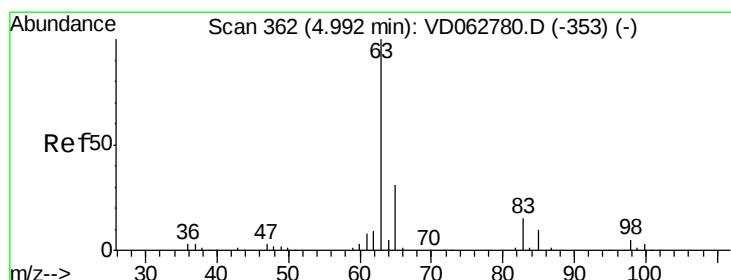


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.398 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

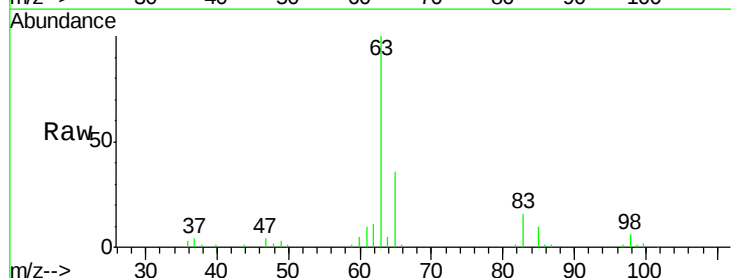
Tgt Ion: 63 Resp: 291113

Ion Ratio Lower Upper

63 100

98 5.8 2.3 6.9

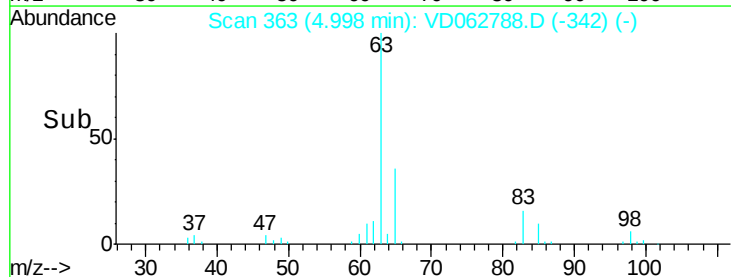
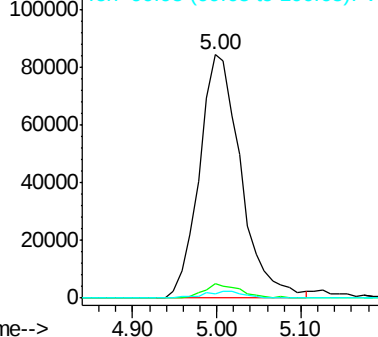
100 1.9 1.7 5.1



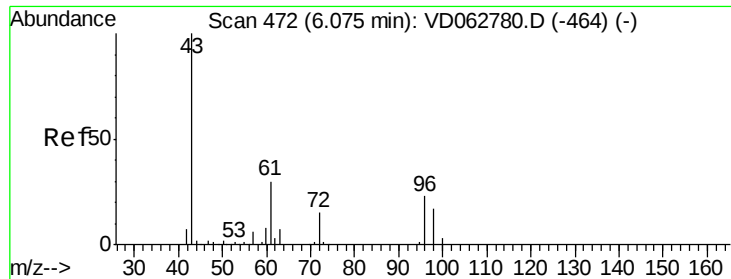
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->



#25

2-Butanone

Concen: 113.543 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

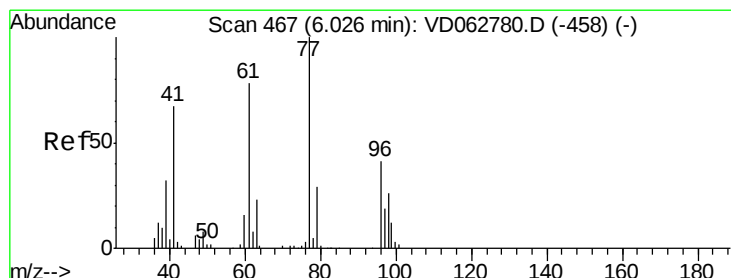
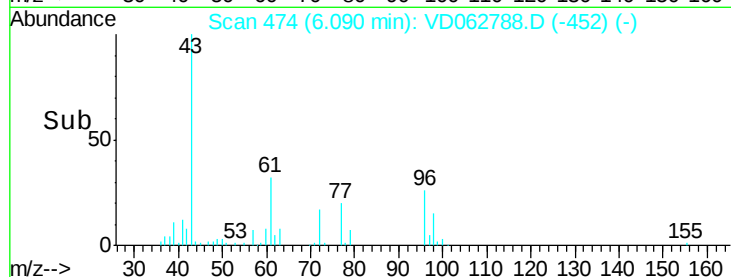
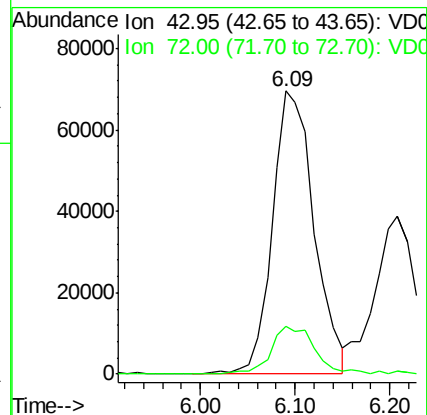
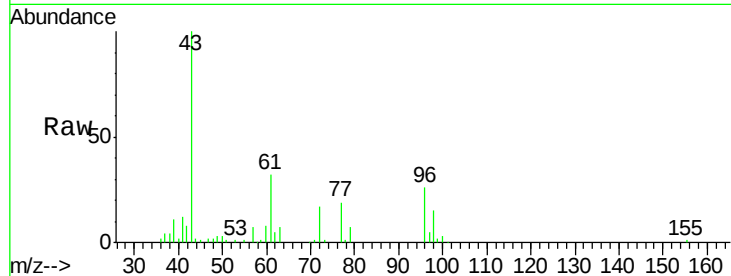
VD0620SBS02

Tot Ion: 43 Resp: 212173

Ion Ratio Lower Upper

43 100

72 17.0 11.9 17.9



#26

2,2-Dichloropropane

Concen: 21.833 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD062788.D

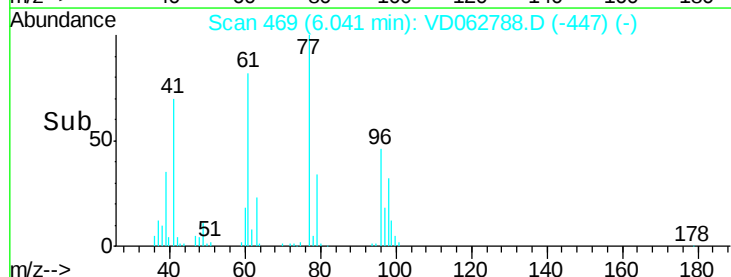
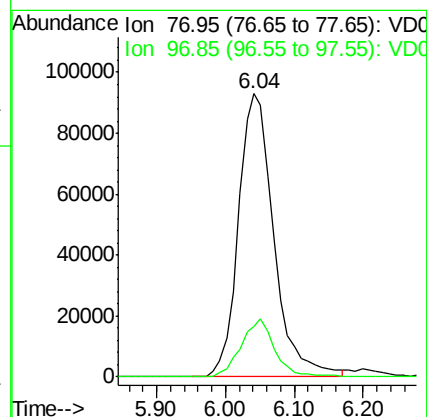
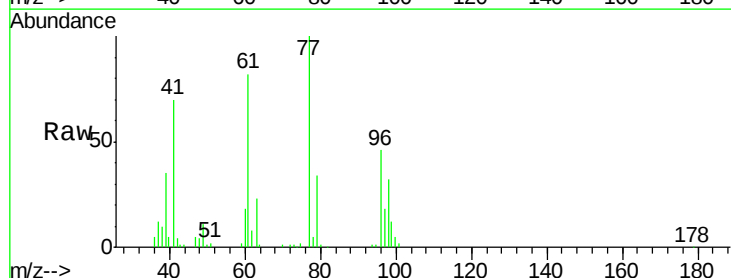
Acq: 20 Jun 2019 12:37

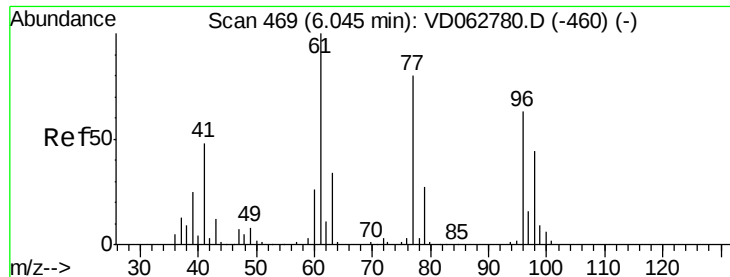
Tgt Ion: 77 Resp: 330274

Ion Ratio Lower Upper

77 100

97 18.0 9.5 28.5



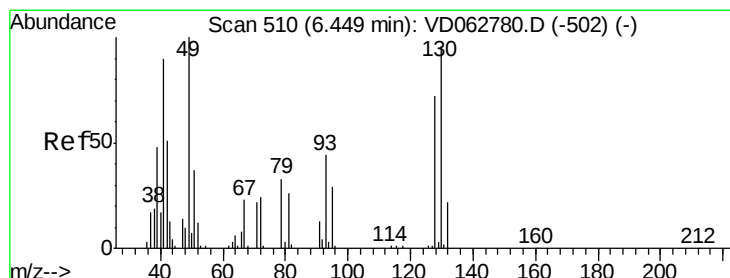
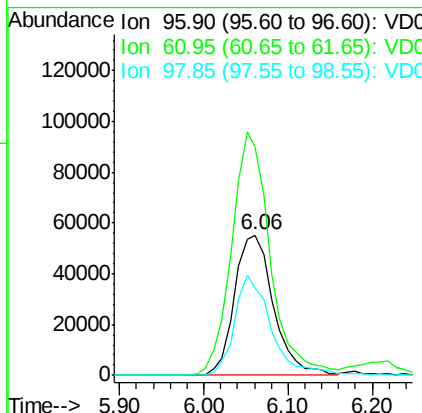
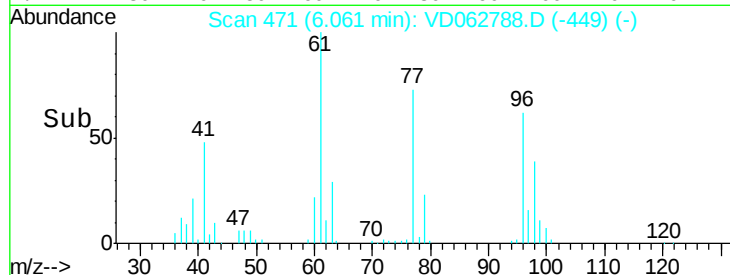
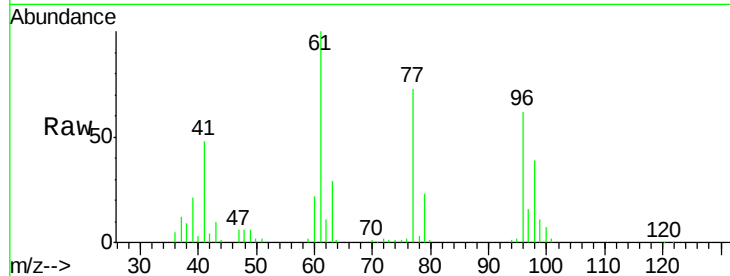


#27

cis-1,2-Dichloroethene
Concen: 21.772 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

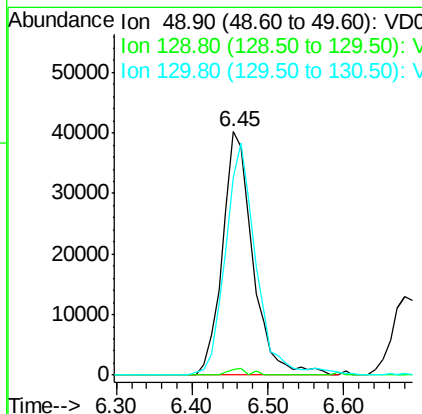
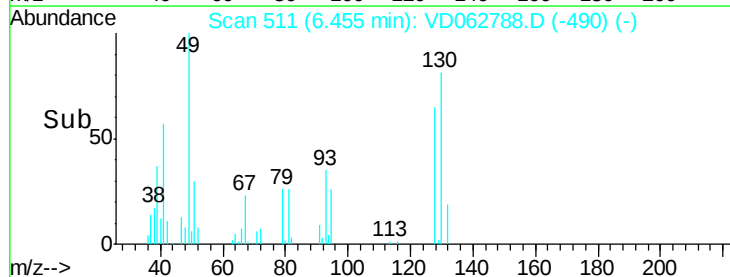
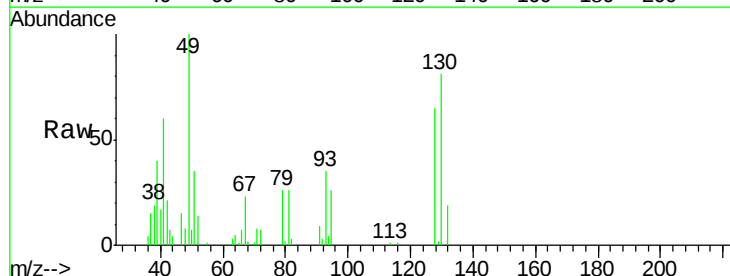
Tot Ion: 96 Resp: 178834
Ion Ratio Lower Upper
96 100
61 162.3 0.0 316.0
98 62.7 0.0 138.4

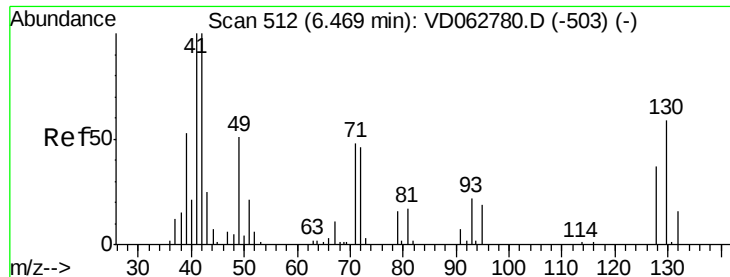


#28

Bromochloromethane
Concen: 22.177 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion: 49 Resp: 111477
Ion Ratio Lower Upper
49 100
129 2.2 0.0 5.6
130 81.3 76.6 114.8





#29

Tetrahydrofuran

Concen: 111.494 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

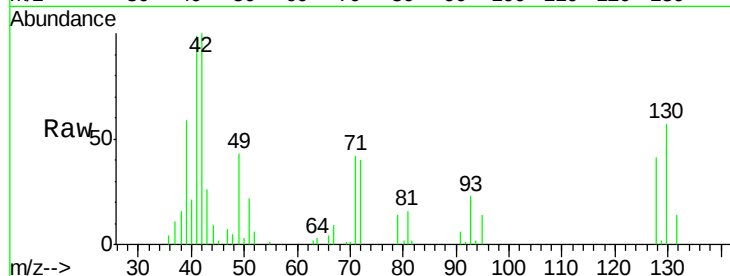
Tot Ion: 42 Resp: 98576

Ion Ratio Lower Upper

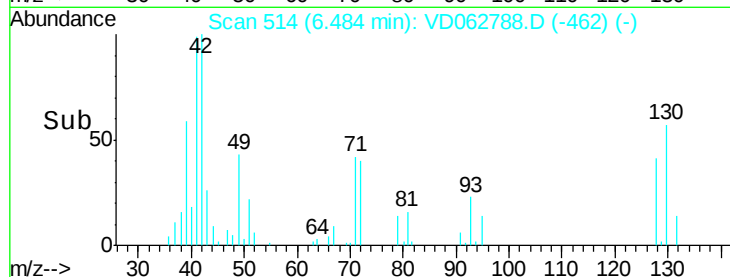
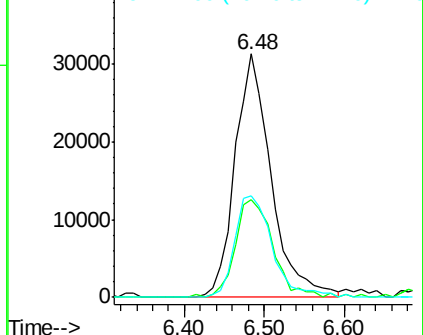
42 100

72 42.3 35.0 52.6

71 43.6 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: 21.111 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD062788.D

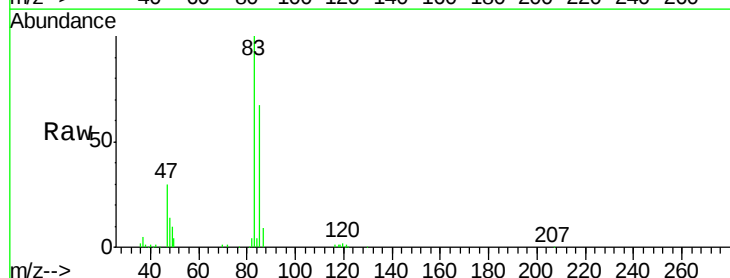
Acq: 20 Jun 2019 12:37

Tgt Ion: 83 Resp: 366417

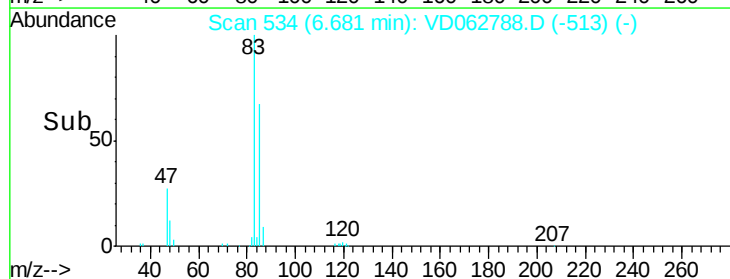
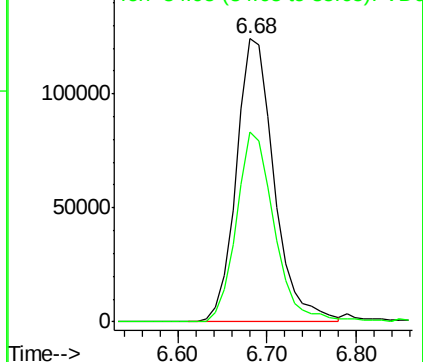
Ion Ratio Lower Upper

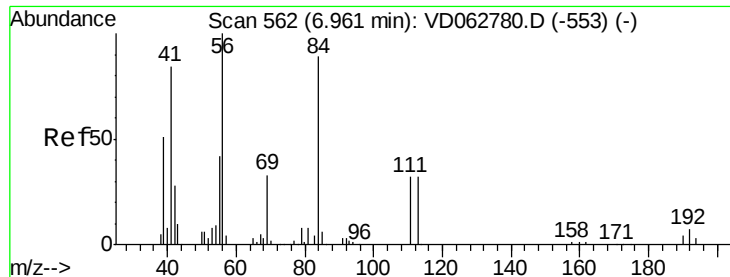
83 100

85 67.0 49.8 74.6



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

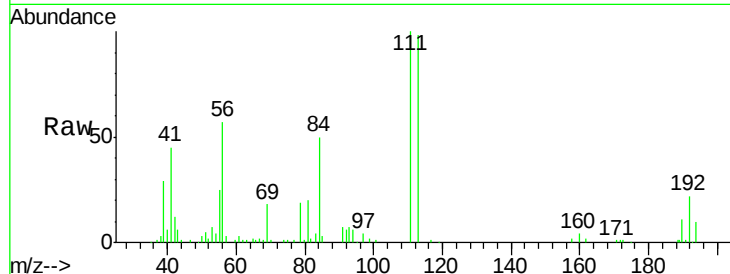




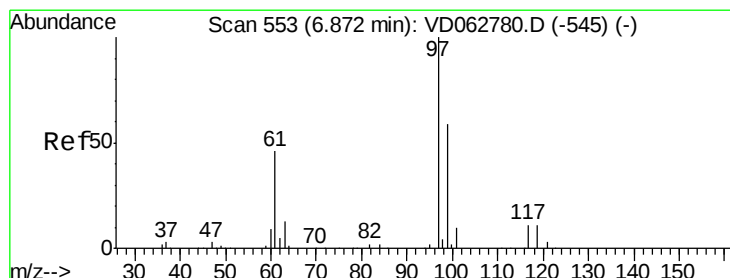
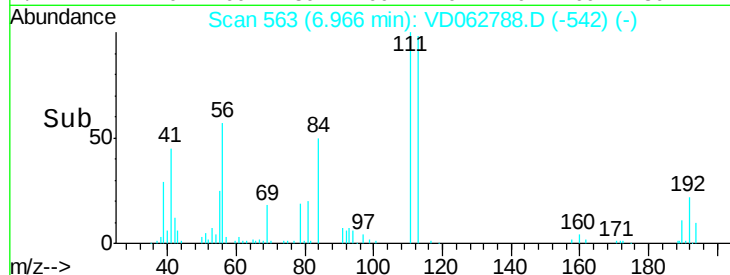
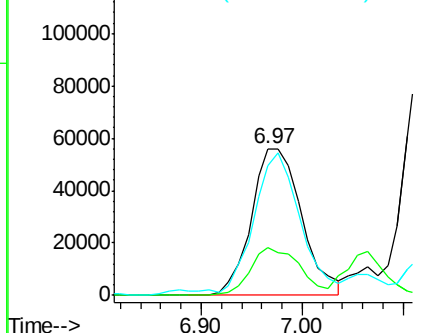
#31
Cyclohexane
Concen: 20.664 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion: 56 Resp: 193879
Ion Ratio Lower Upper
56 100
69 32.4 26.6 39.8
84 88.8 75.5 113.3

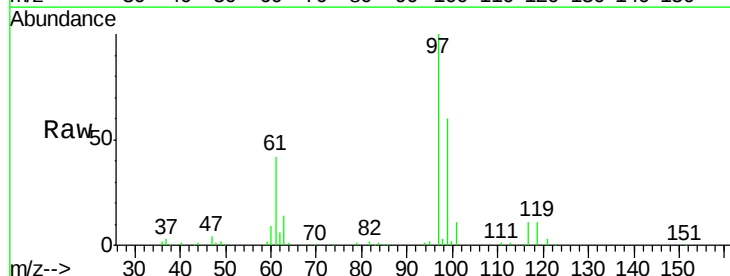


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

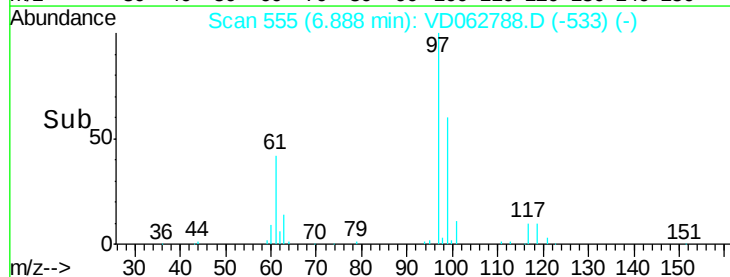
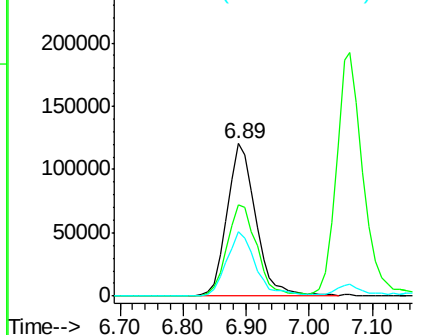


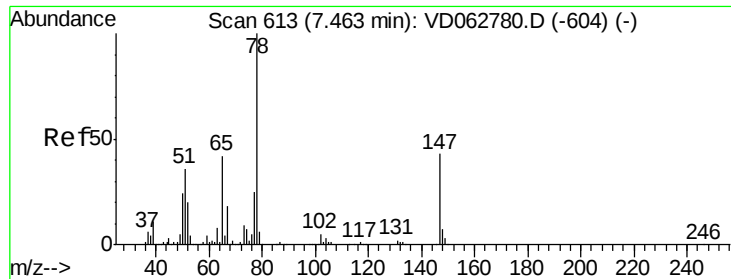
#32
1,1,1-Trichloroethane
Concen: 21.020 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion: 97 Resp: 380005
Ion Ratio Lower Upper
97 100
99 60.0 47.4 71.2
61 42.4 37.2 55.8



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





#33

1,2-Dichloroethane-d4

Concen: 52.934 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

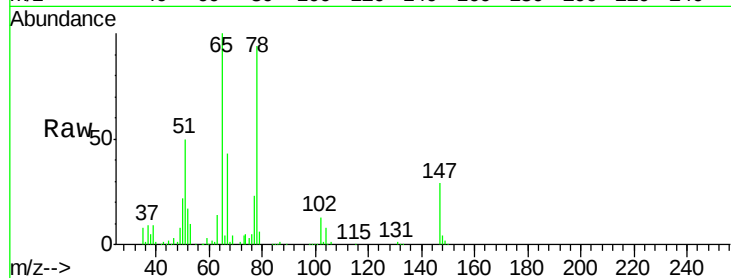
VD0620SBS02

Tot Ion: 65 Resp: 528873

Ion Ratio Lower Upper

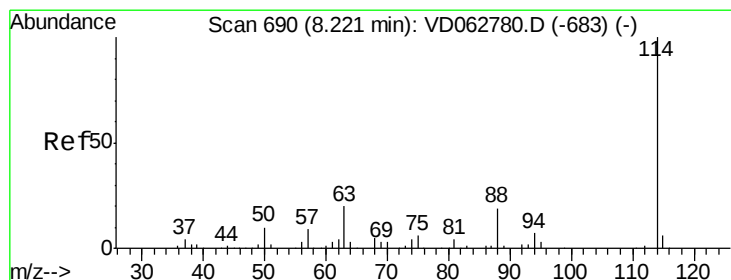
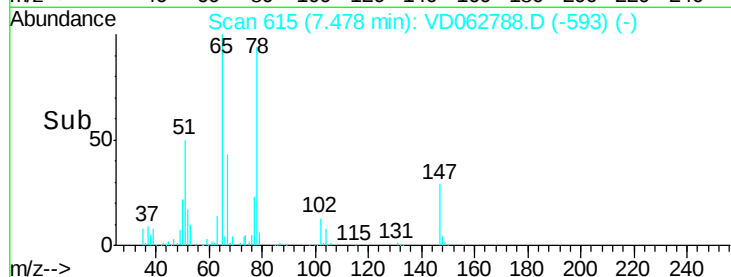
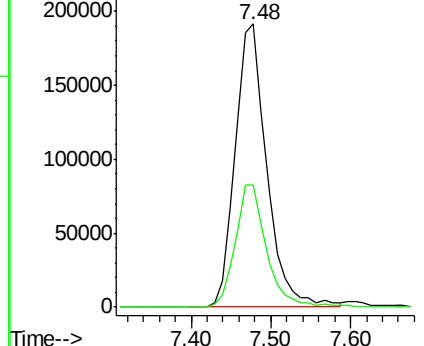
65 100

67 43.1 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

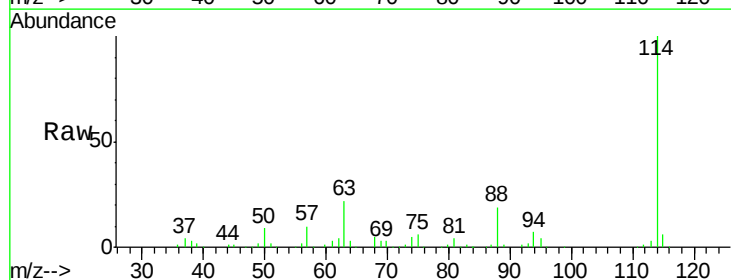
Tgt Ion: 114 Resp: 1227160

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.0

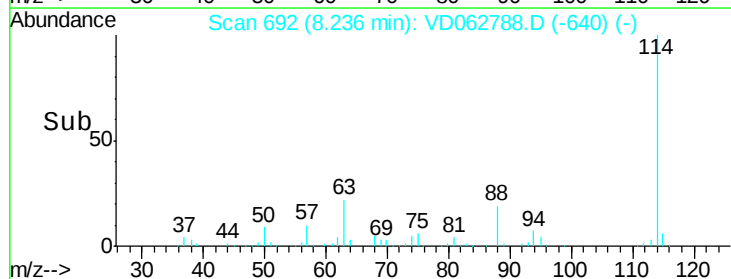
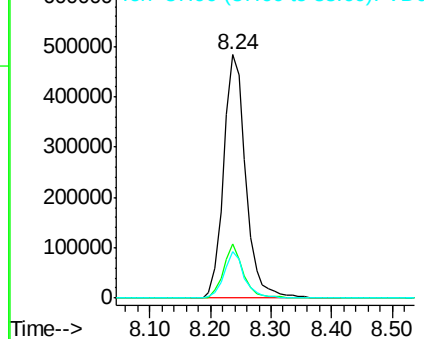
88 19.3 0.0 38.8

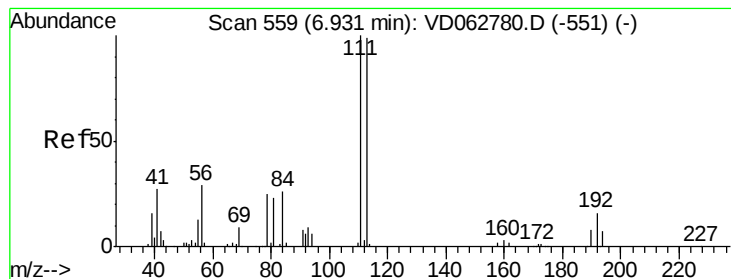


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 54.624 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

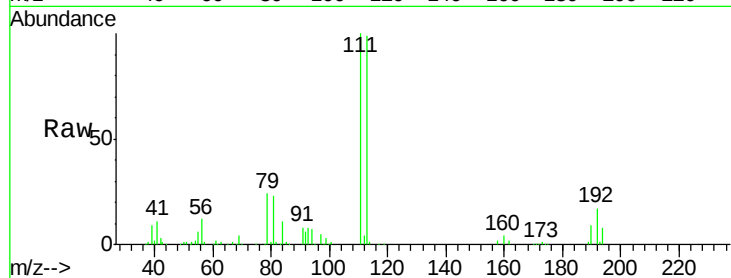
Tot Ion:113 Resp: 565214

Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

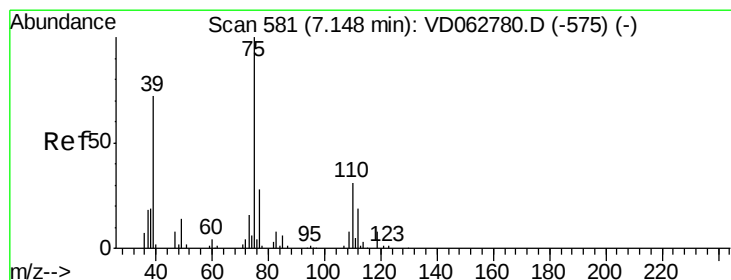
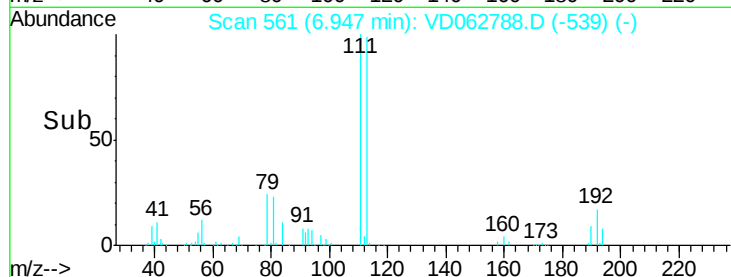
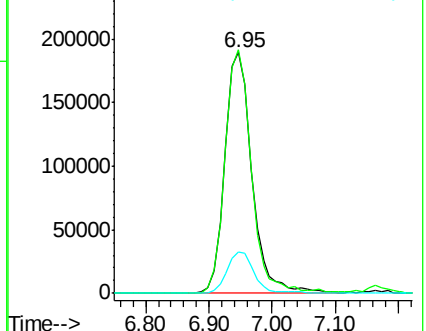
192 17.1 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.091 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

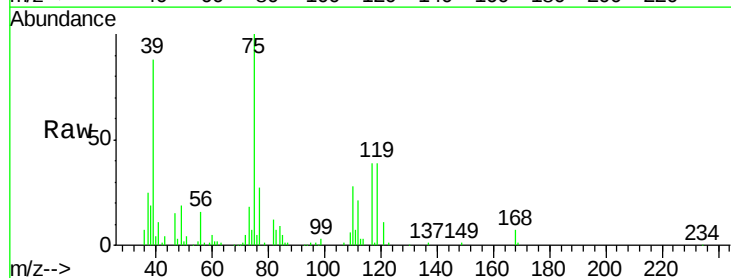
Tgt Ion: 75 Resp: 245009

Ion Ratio Lower Upper

75 100

110 27.6 15.0 45.1

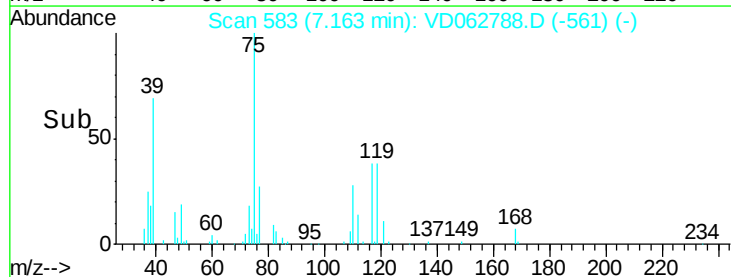
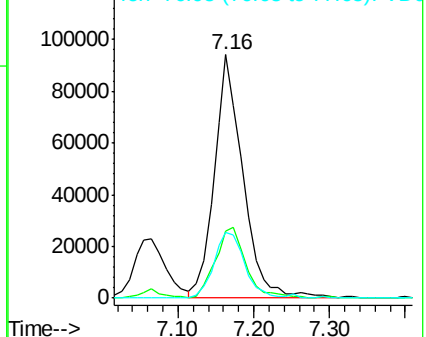
77 27.2 22.2 33.2

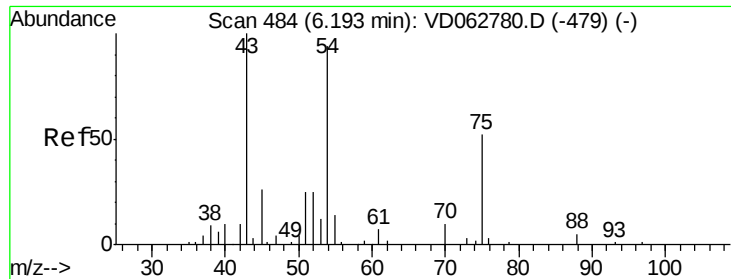


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 22.692 ug/l

RT: 6.21 min Scan# 486

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

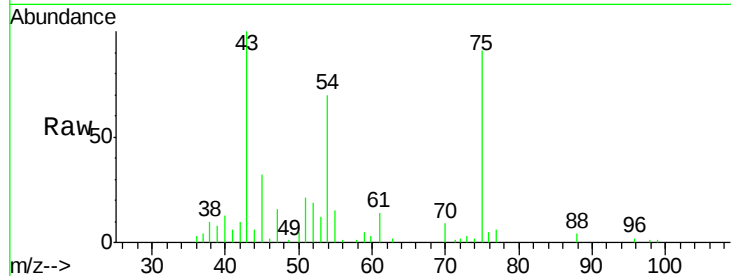
Tot Ion: 43 Resp: 113668

Ion Ratio Lower Upper

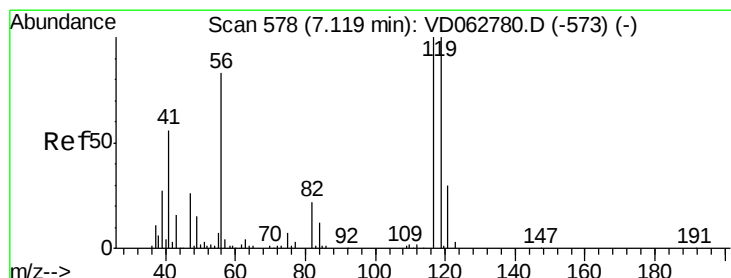
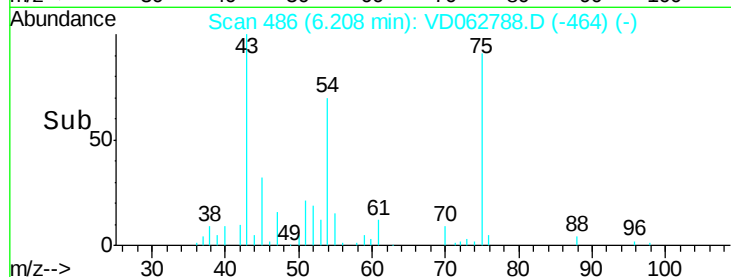
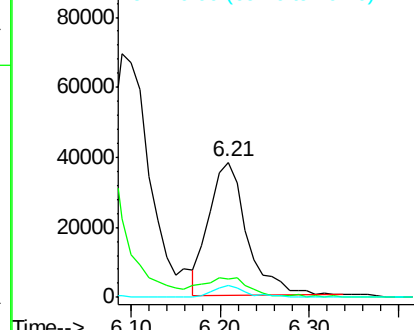
43 100

61 14.0 11.6 17.4

70 9.0 6.4 9.6



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



#38

Carbon Tetrachloride

Concen: 21.923 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

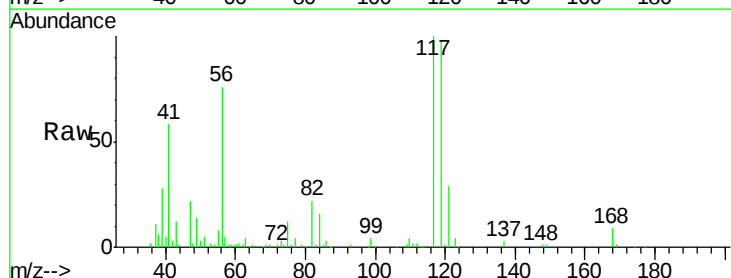
Tgt Ion: 117 Resp: 383014

Ion Ratio Lower Upper

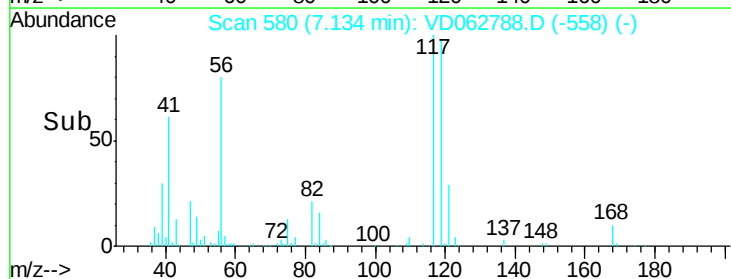
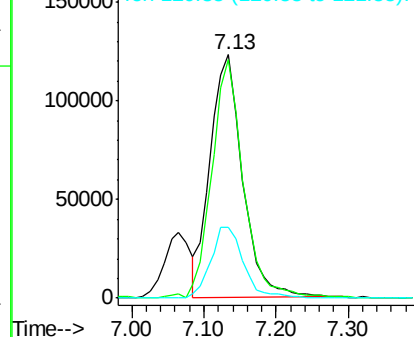
117 100

119 98.0 75.4 113.2

121 29.3 22.3 33.5



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





#39

Methvlcvclohexane

Concen: 21.071 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

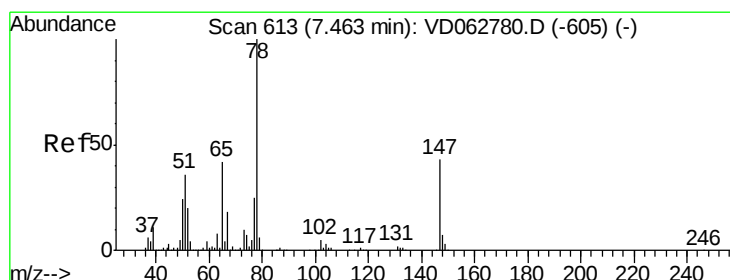
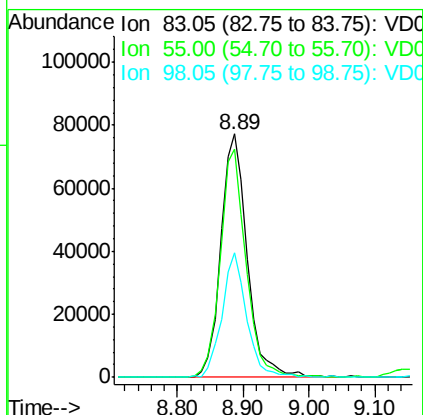
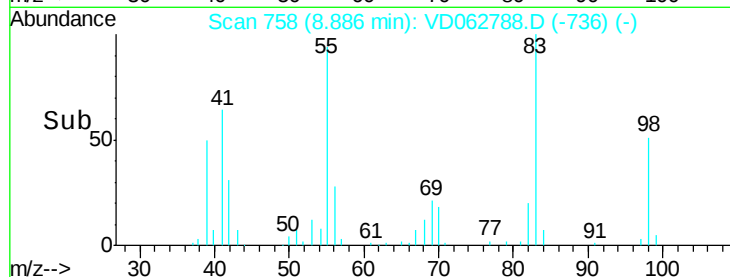
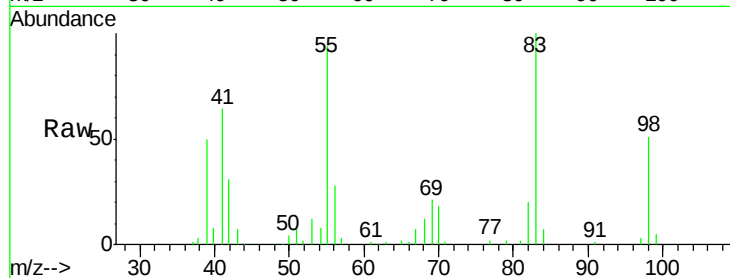
Tot Ion: 83 Resp: 215458

Ion Ratio Lower Upper

83 100

55 94.0 76.6 115.0

98 51.2 35.7 53.5



#40

Benzene

Concen: 20.967 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062788.D

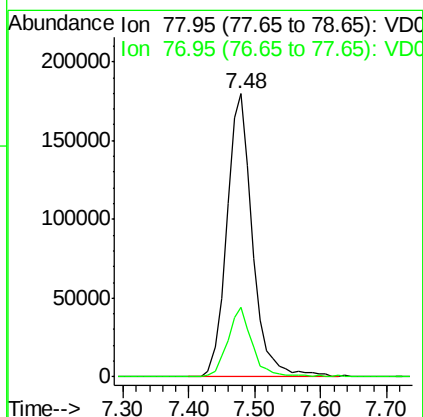
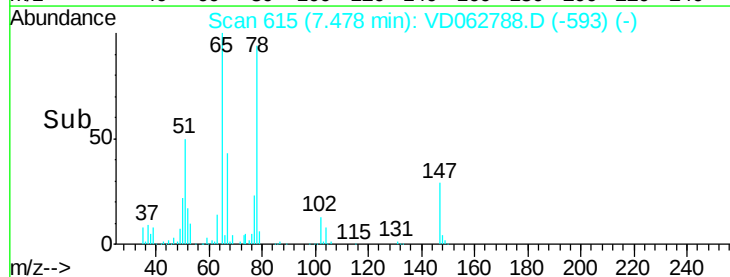
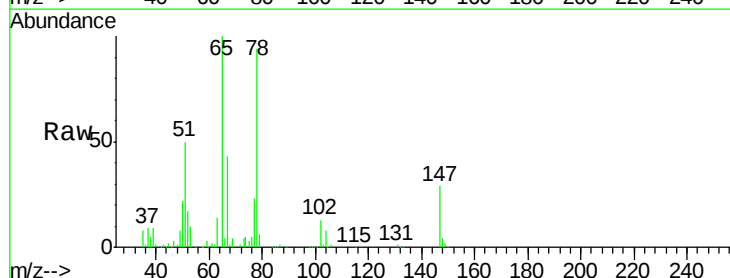
Acq: 20 Jun 2019 12:37

Tgt Ion: 78 Resp: 488921

Ion Ratio Lower Upper

78 100

77 24.4 20.2 30.2

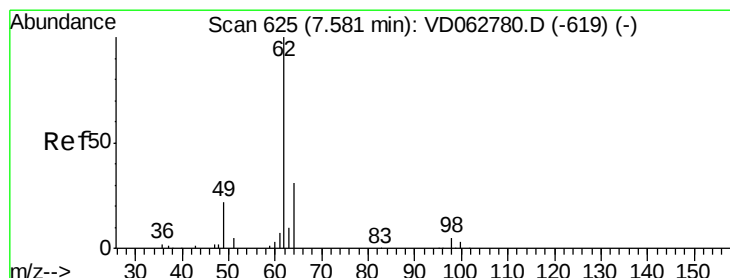
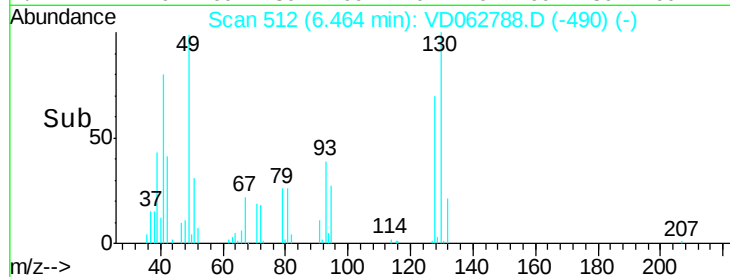
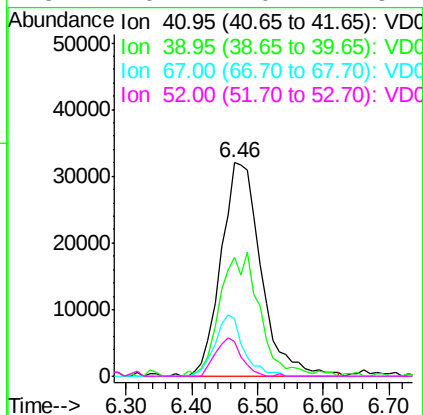
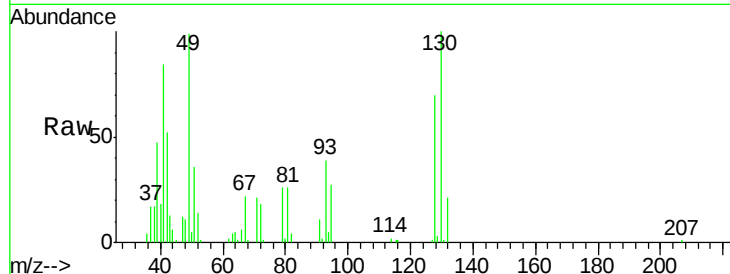




#41
Methacrylonitrile
Concen: 22.189 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

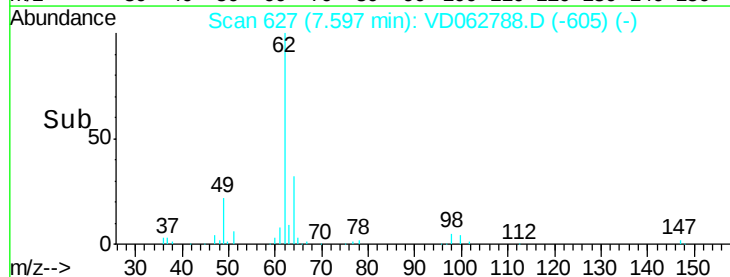
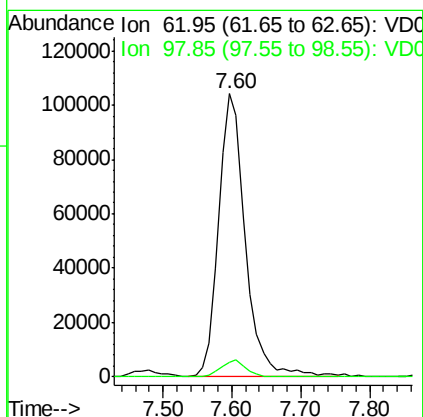
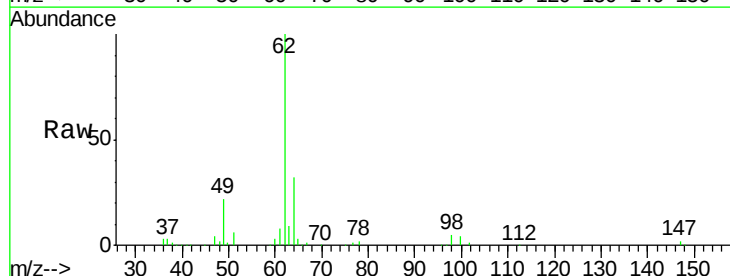
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion: 41 Resp: 135936
Ion Ratio Lower Upper
41 100
39 56.0 43.2 64.8
67 26.7 19.9 29.9
52 16.2 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 21.951 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion: 62 Resp: 279240
Ion Ratio Lower Upper
62 100
98 5.1 0.0 10.0



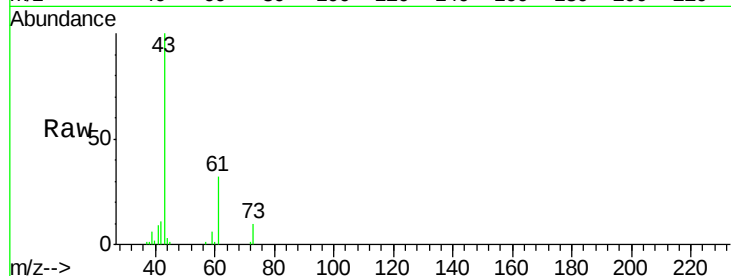


#43

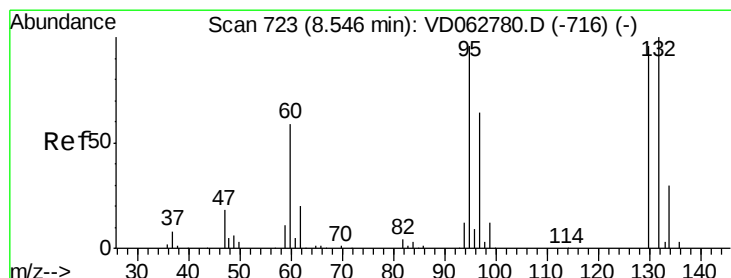
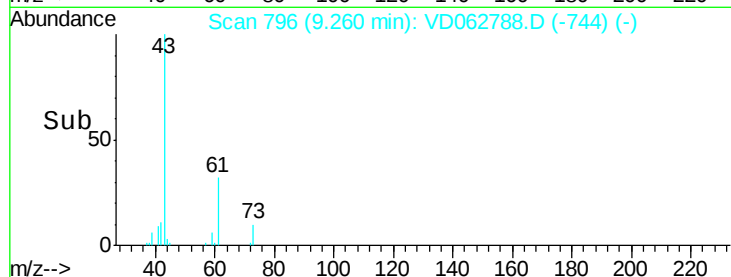
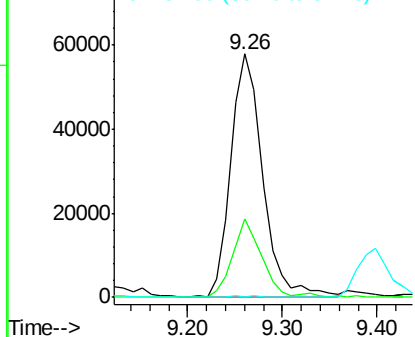
Isopropyl Acetate
 Concen: 22.274 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.02 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Tot Ion: 43 Resp: 135658
 Ion Ratio Lower Upper
 43 100
 61 32.1 22.4 33.6
 87 0.0 0.3 0.5#



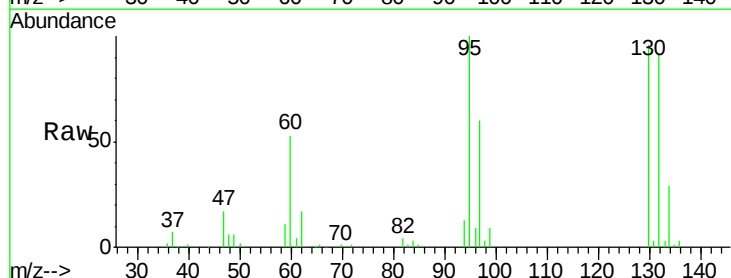
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



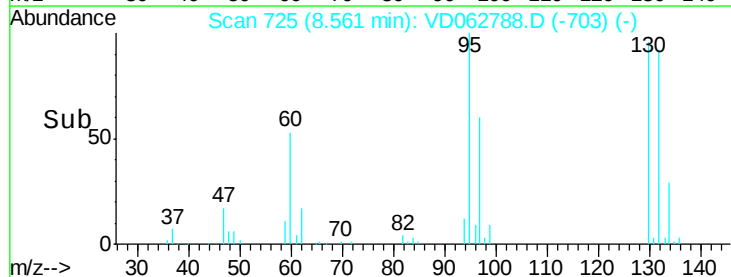
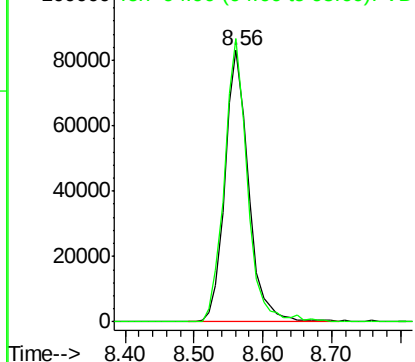
#44

Trichloroethene
 Concen: 21.582 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.02 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Tgt Ion: 130 Resp: 197296
 Ion Ratio Lower Upper
 130 100
 95 104.2 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 21.209 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

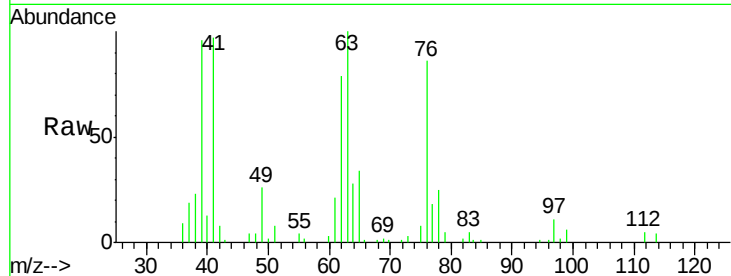
VD0620SBS02

Tot Ion: 63 Resp: 122974

Ion Ratio Lower Upper

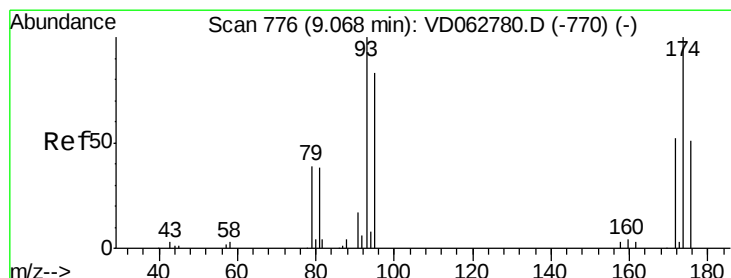
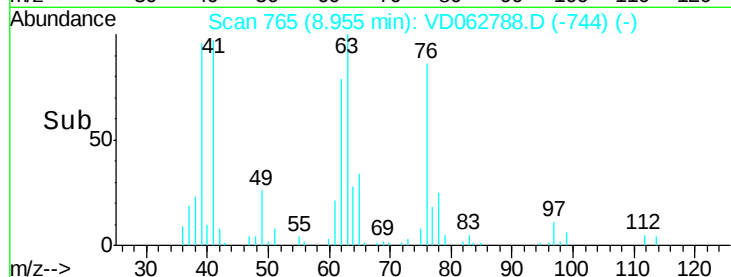
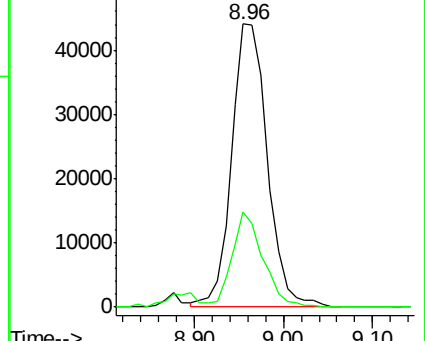
63 100

65 33.7 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.422 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

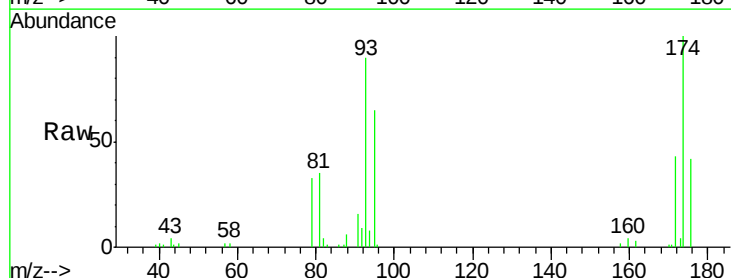
Tgt Ion: 93 Resp: 106698

Ion Ratio Lower Upper

93 100

95 72.6 66.6 100.0

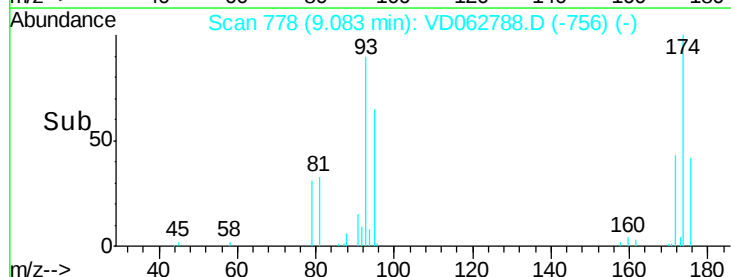
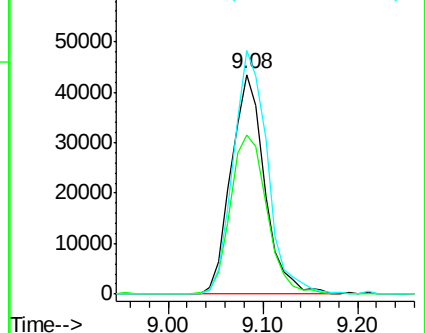
174 111.0 79.7 119.5

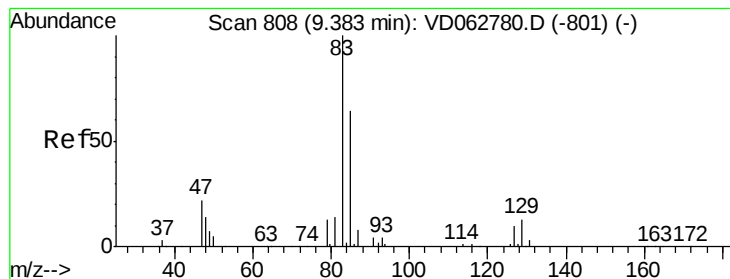


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.009 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

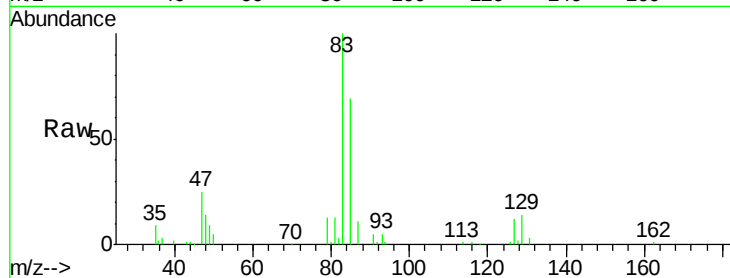
Tot Ion: 83 Resp: 271762

Ion Ratio Lower Upper

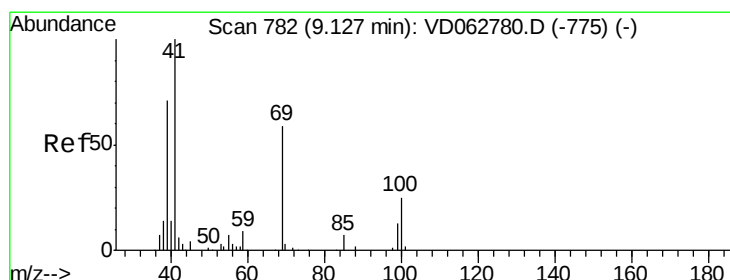
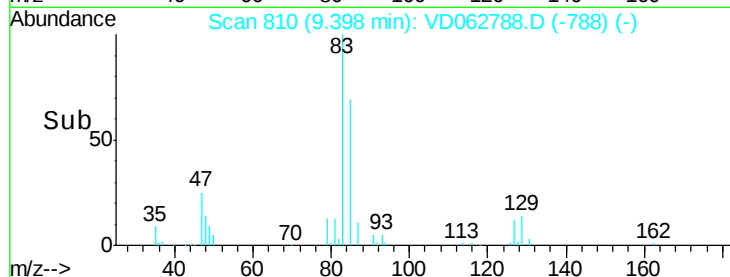
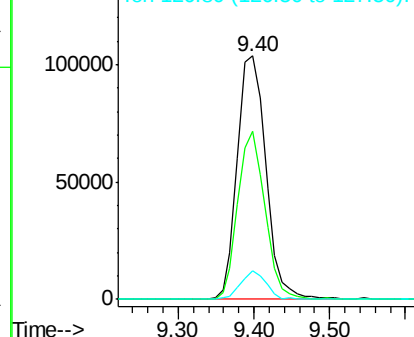
83 100

85 68.8 51.6 77.4

127 11.7 7.8 11.6#



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



#48

Methyl methacrylate

Concen: 23.025 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

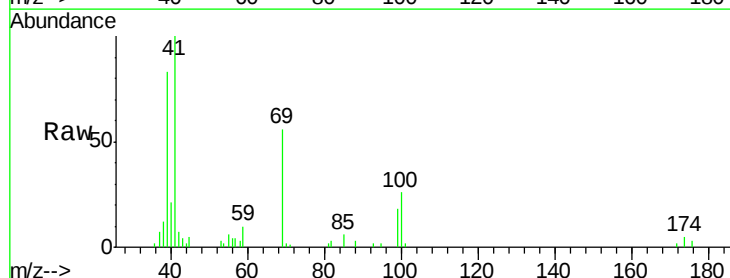
Tgt Ion: 41 Resp: 99649

Ion Ratio Lower Upper

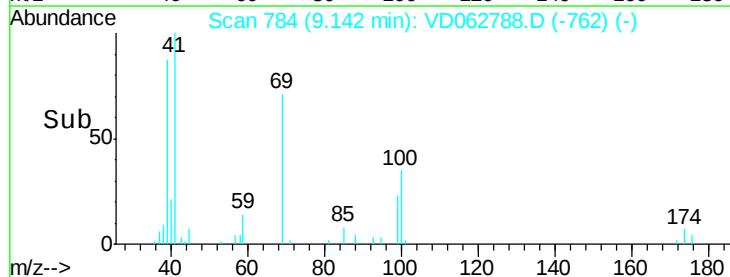
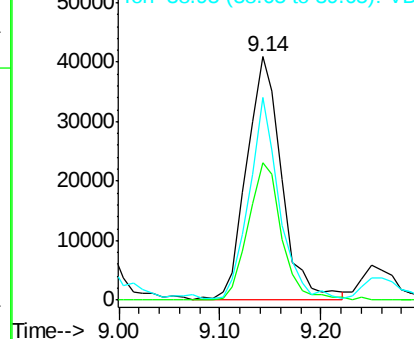
41 100

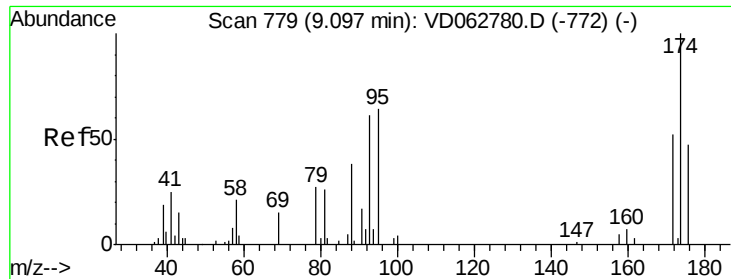
69 56.2 47.2 70.8

39 83.4 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

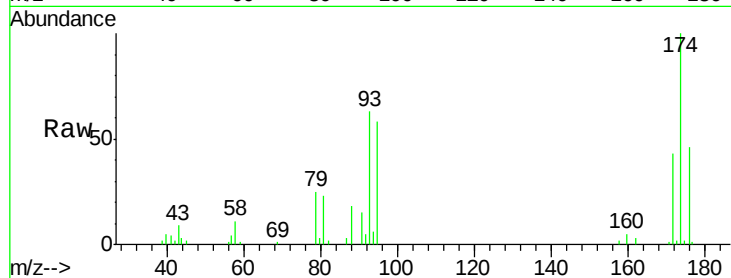




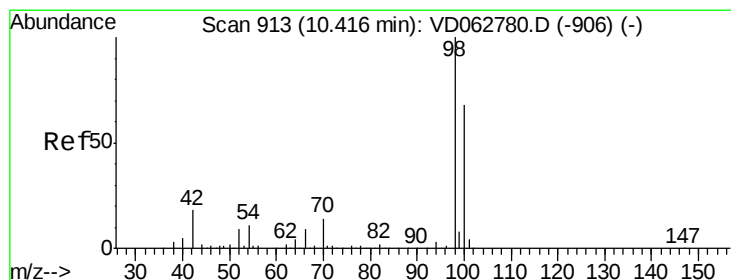
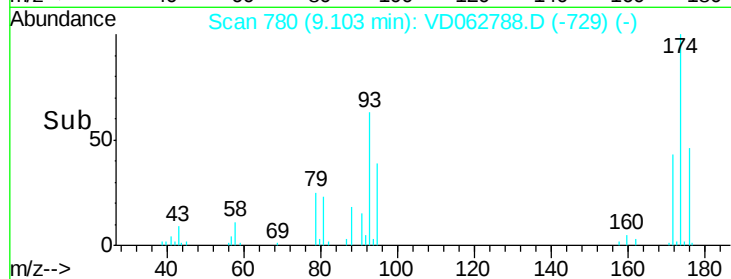
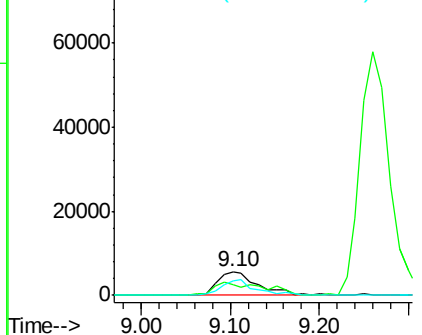
#49
 1,4-Dioxane
 Concen: 481.767 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.01 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Tot Ion	88	Resp	17347
Ion	Ratio	Lower	Upper
88	100		
43	47.2	32.1	48.1
58	60.1	44.1	66.1

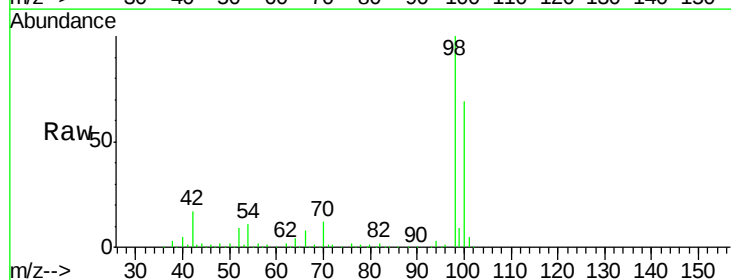


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

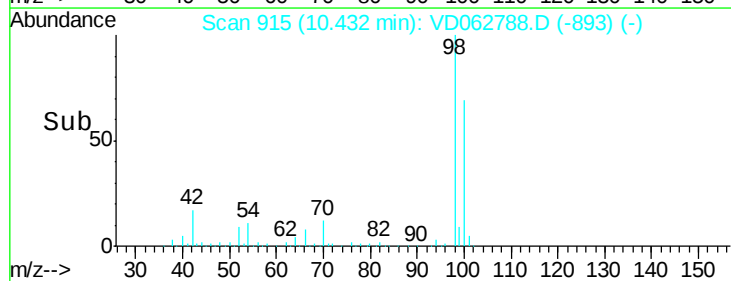
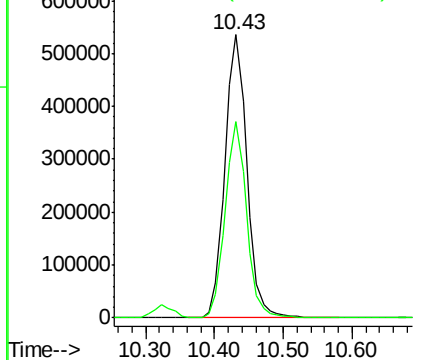


#50
 Toluene-d8
 Concen: 52.725 ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.02 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Tgt Ion	98	Resp	1187398
Ion	Ratio	Lower	Upper
98	100		
100	69.2	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: 108.733 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

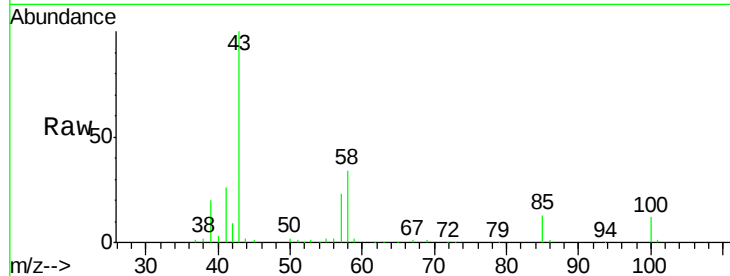
VD0620SBS02

Tot Ion: 43 Resp: 469507

Ion Ratio Lower Upper

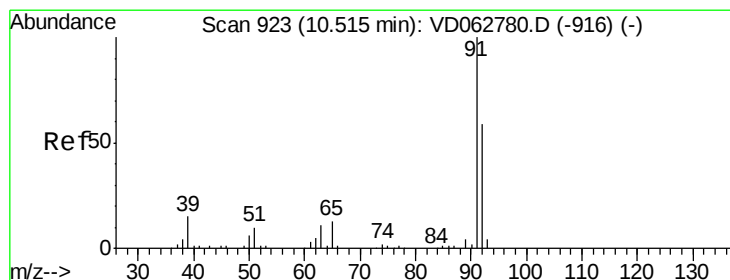
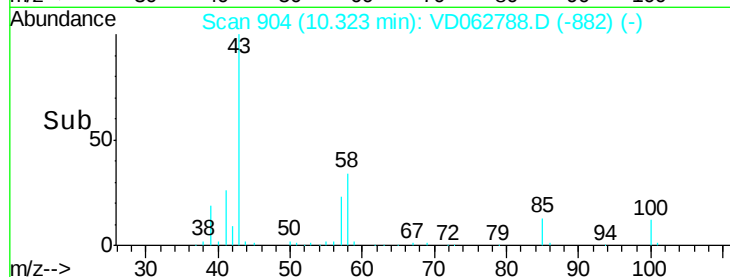
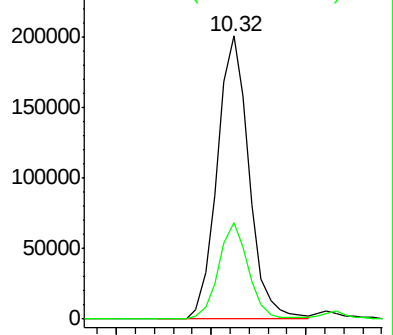
43 100

58 34.0 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.358 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062788.D

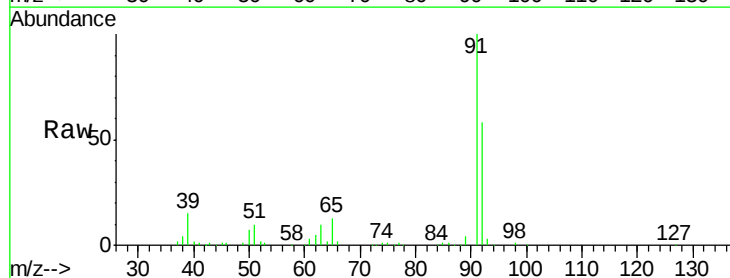
Acq: 20 Jun 2019 12:37

Tgt Ion: 92 Resp: 350463

Ion Ratio Lower Upper

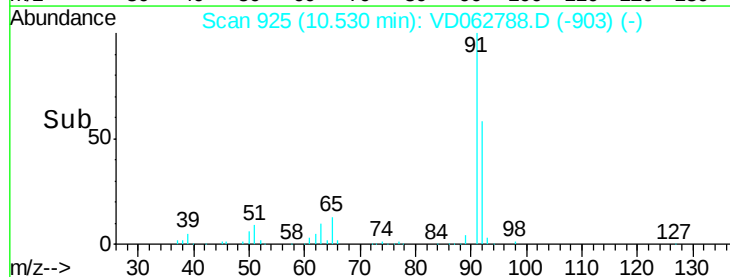
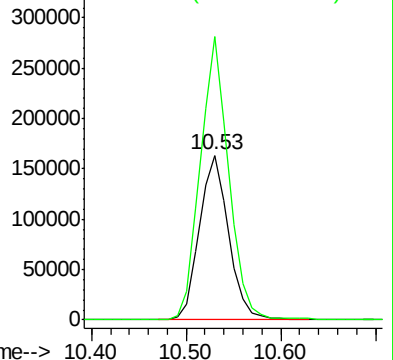
92 100

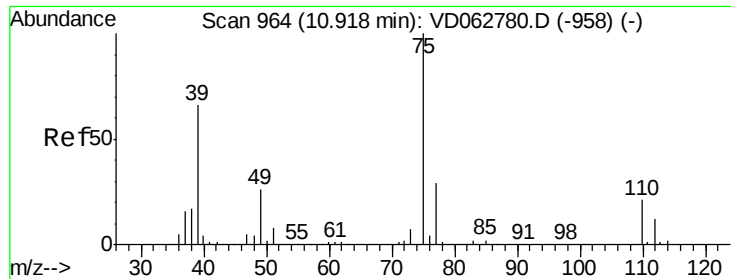
91 171.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.970 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

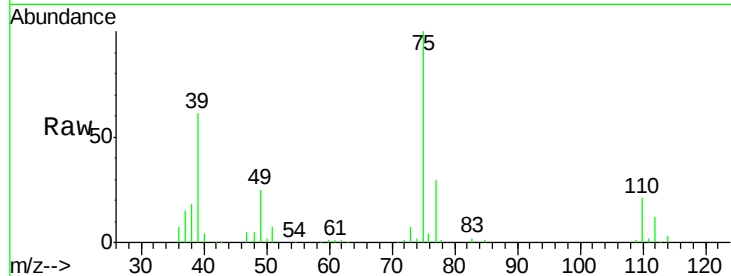
VD0620SBS02

Tot Ion: 75 Resp: 222028

Ion Ratio Lower Upper

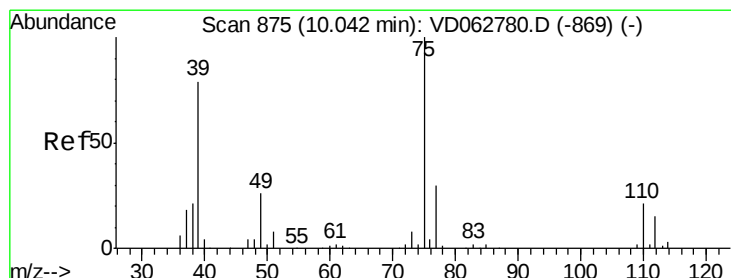
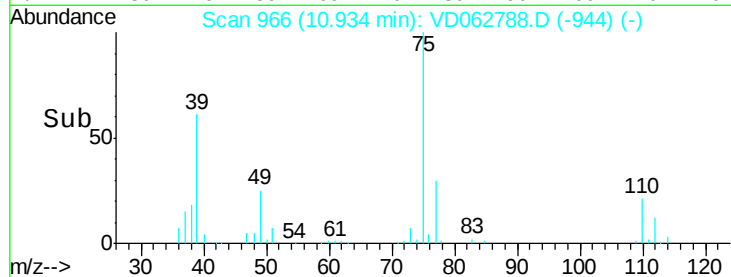
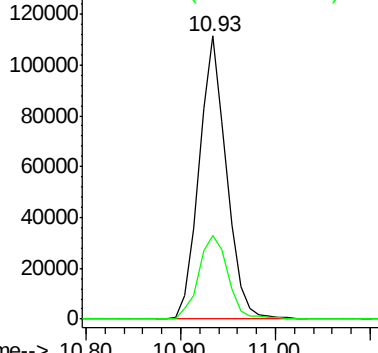
75 100

77 29.5 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.642 ug/l

RT: 10.06 min Scan# 877

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

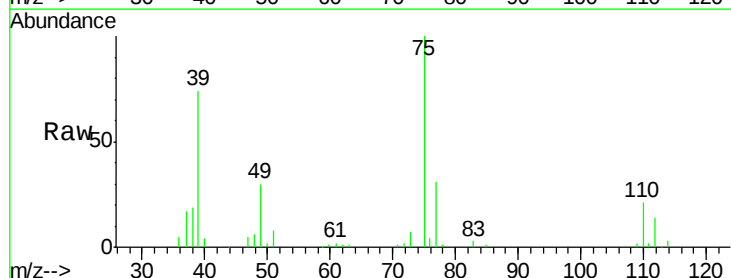
Tgt Ion: 75 Resp: 260560

Ion Ratio Lower Upper

75 100

77 31.5 24.2 36.2

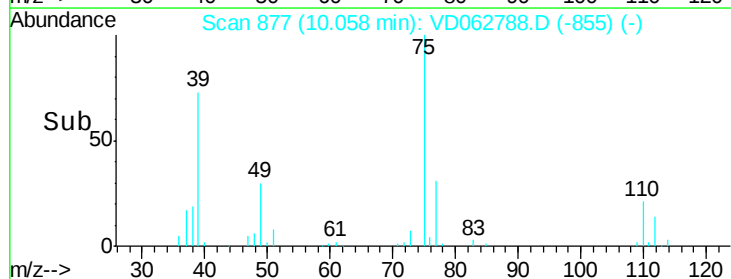
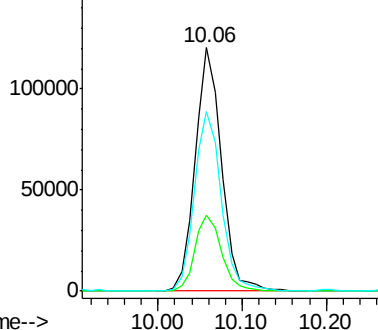
39 73.7 63.5 95.3

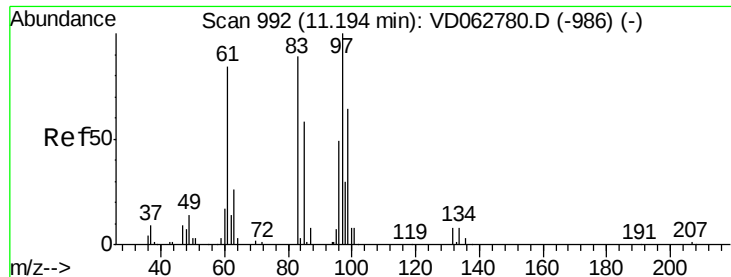


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

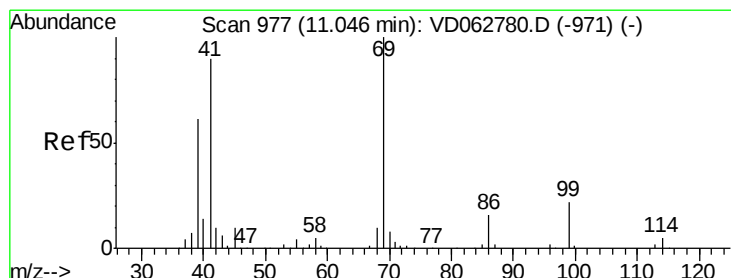
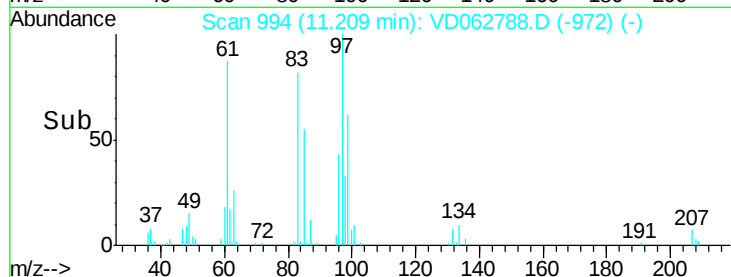
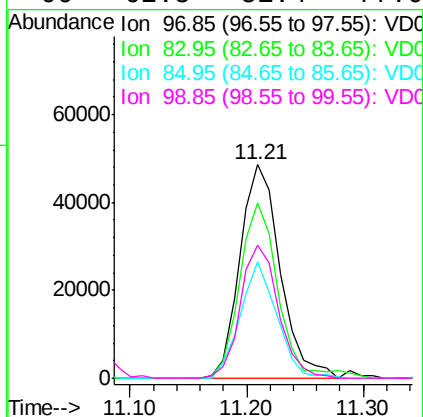
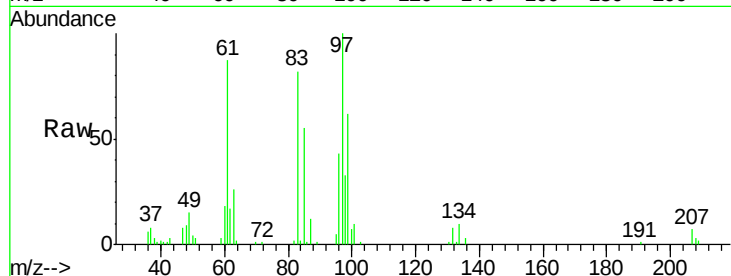




#55
 1,1,2-Trichloroethane
 Concen: 21.600 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

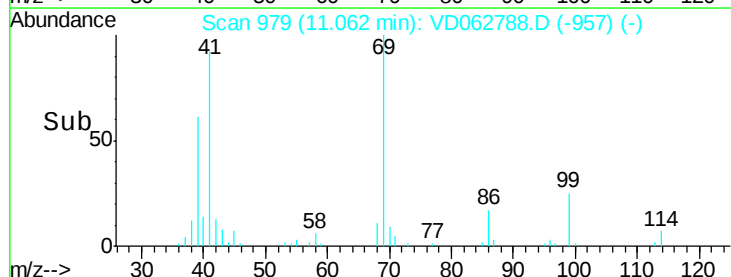
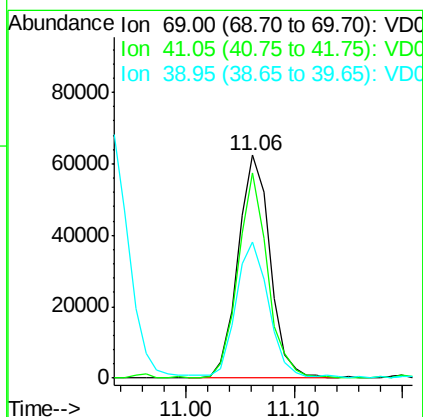
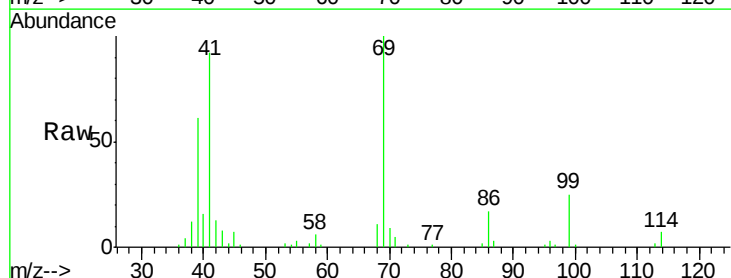
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

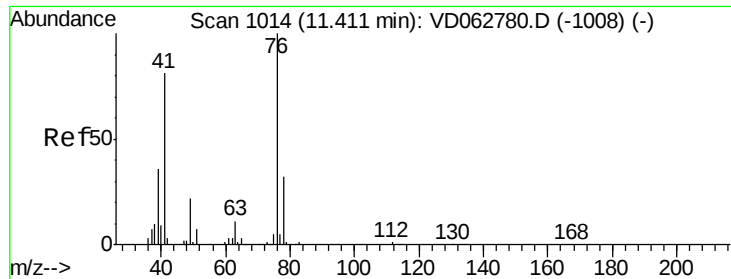
Tot Ion:	97	Resp:	116321
Ion	Ratio	Lower	Upper
97	100		
83	82.1	71.0	106.4
85	54.7	46.6	69.8
99	62.5	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 22.265 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Tgt Ion:	69	Resp:	128141
Ion	Ratio	Lower	Upper
69	100		
41	91.9	72.0	108.0
39	61.3	49.5	74.3

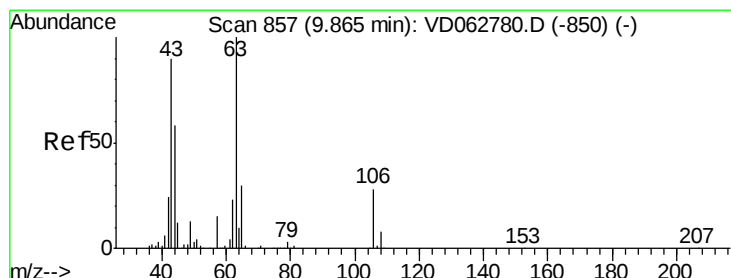
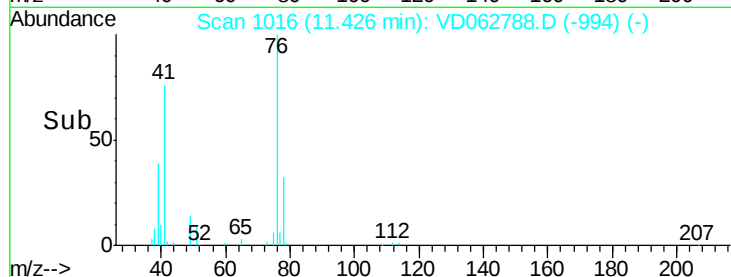
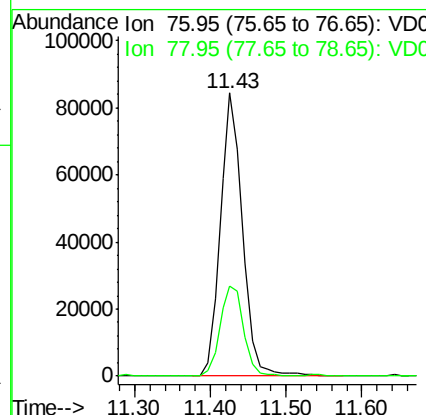
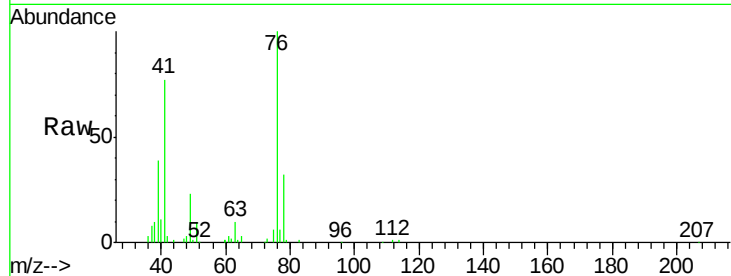




#57
 1,3-Dichloropropane
 Concen: 20.938 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

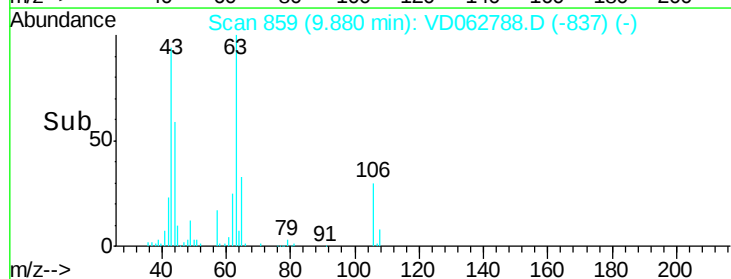
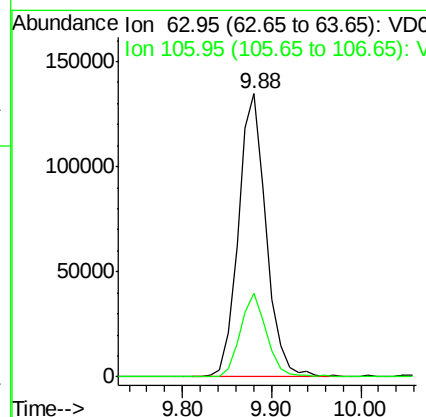
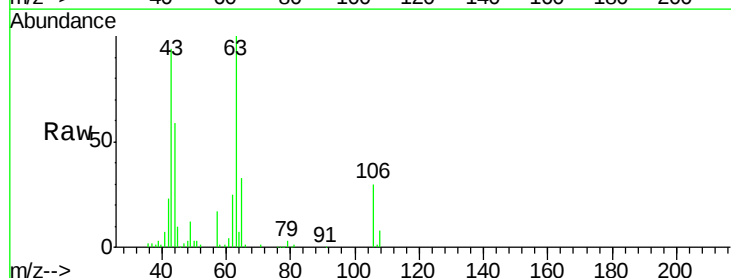
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

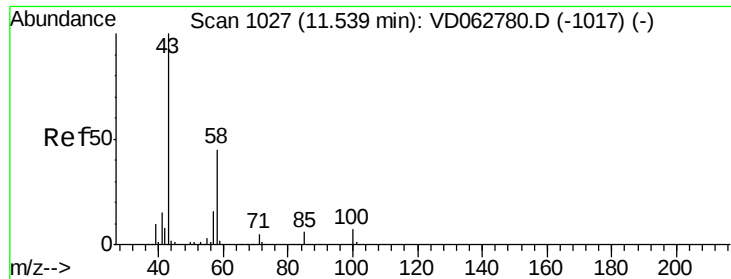
Tot Ion: 76 Resp: 172650
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.551 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Tgt Ion: 63 Resp: 291179
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.1 33.1

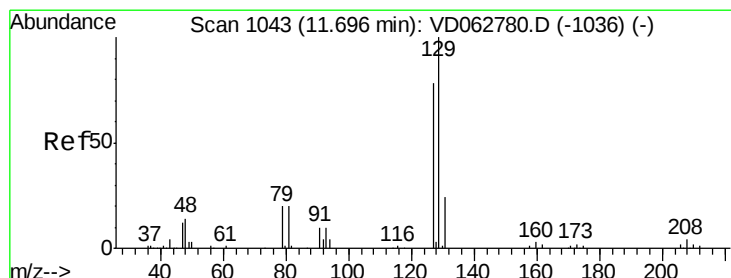
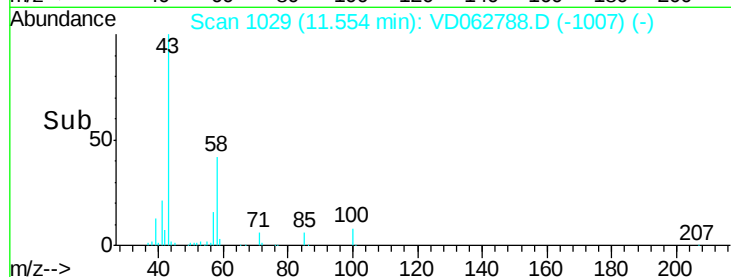
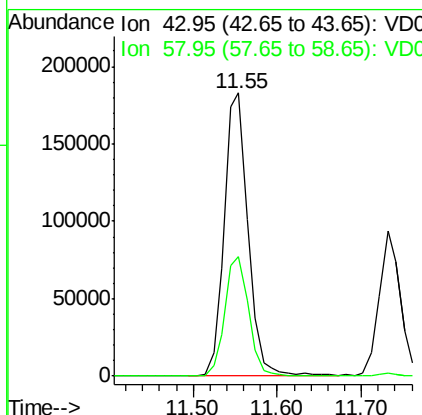
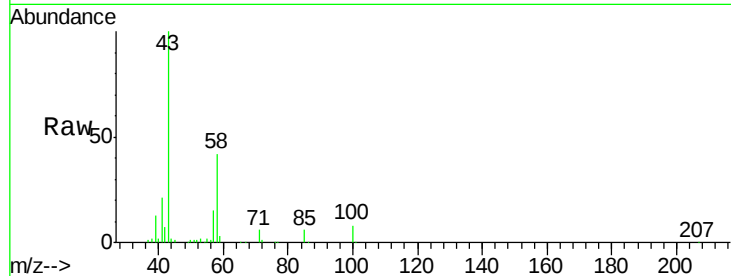




#59
2-Hexanone
Concen: 116.659 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

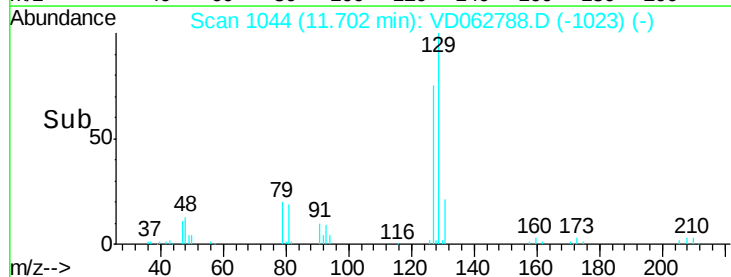
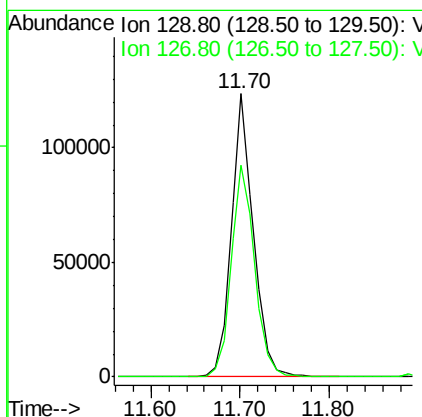
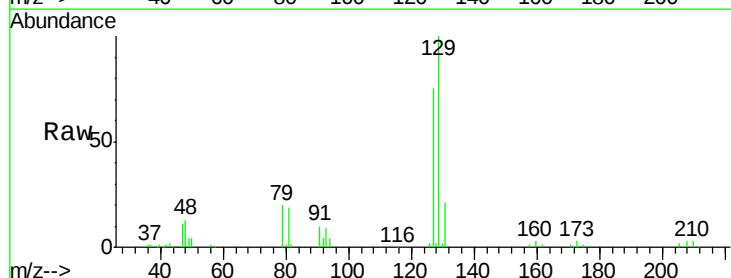
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

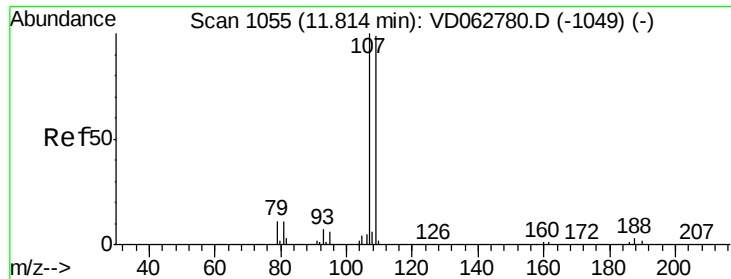
Tot Ion: 43 Resp: 358752
Ion Ratio Lower Upper
43 100
58 42.2 22.4 67.2



#60
Dibromochloromethane
Concen: 21.411 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion: 129 Resp: 214770
Ion Ratio Lower Upper
129 100
127 74.6 38.9 116.6

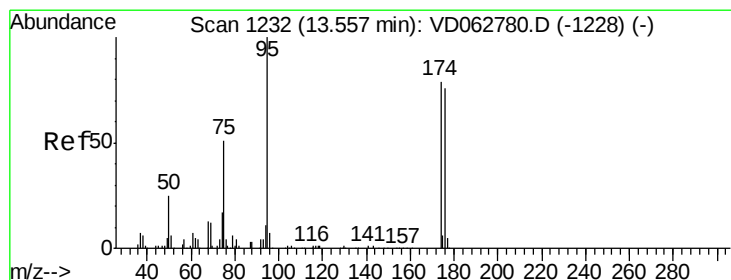
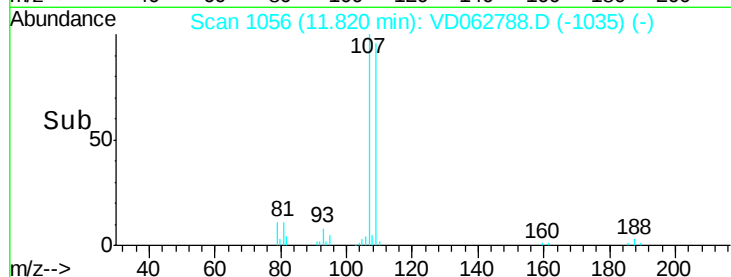
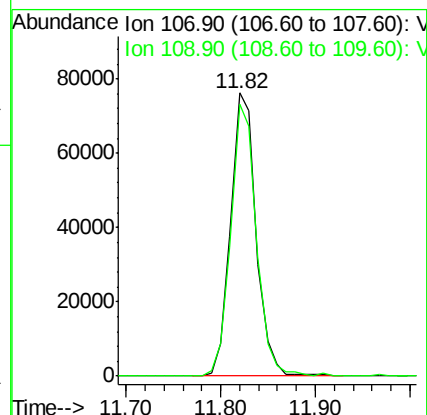
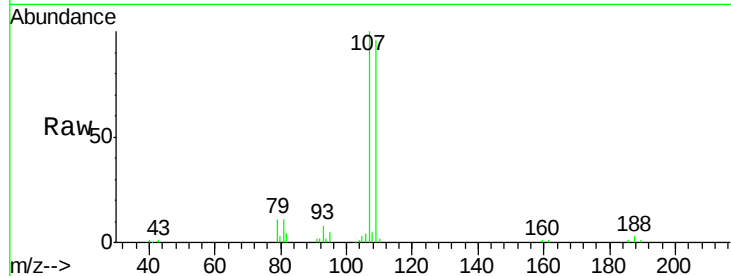




#61
 1,2-Dibromoethane
 Concen: 22.299 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

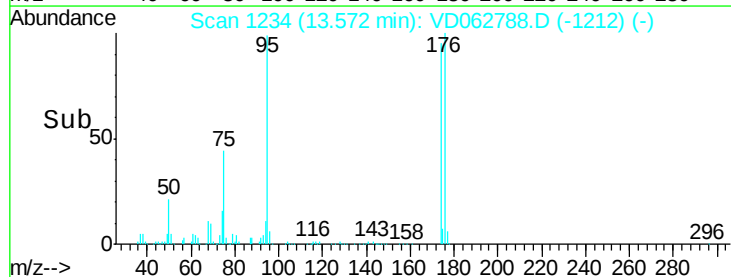
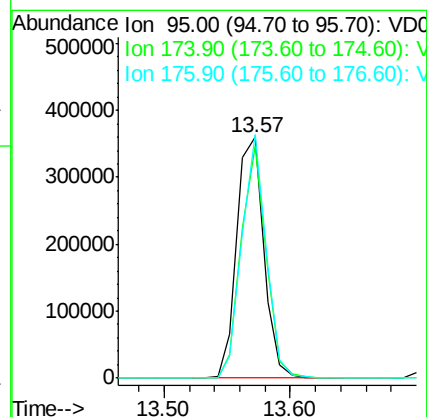
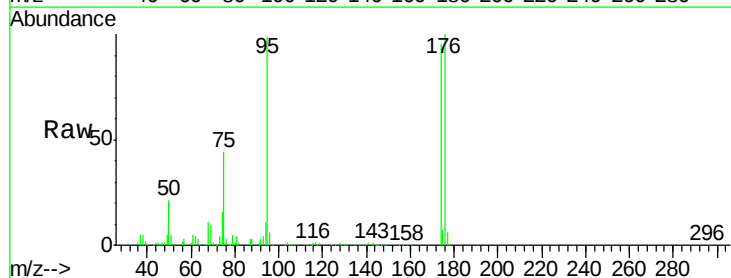
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

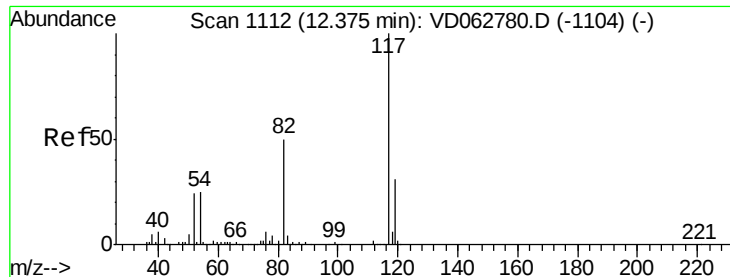
Tot Ion:107 Resp: 141826
 Ion Ratio Lower Upper
 107 100
 109 96.0 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 51.699 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Tgt Ion: 95 Resp: 529415
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 158.0
 176 101.3 0.0 151.6

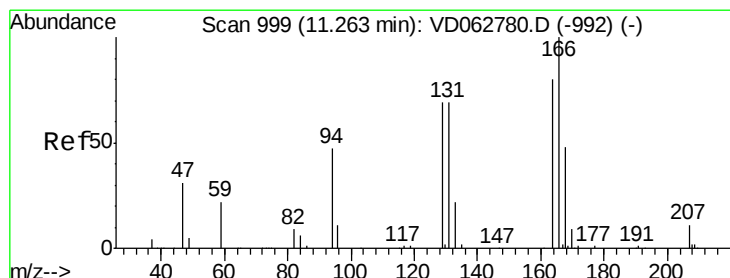
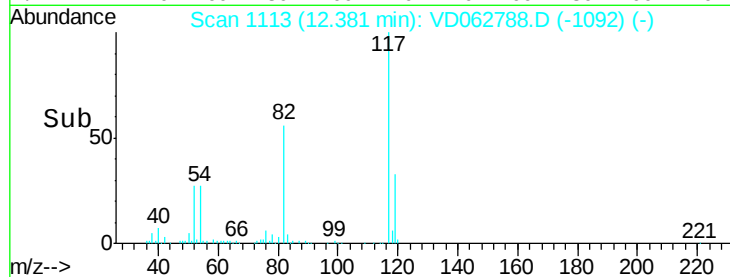
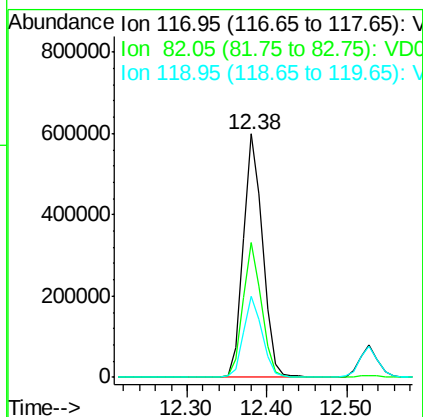
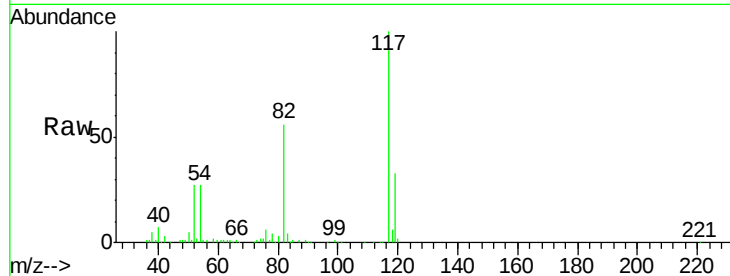




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

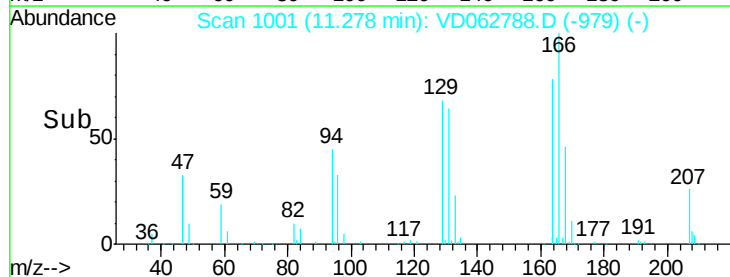
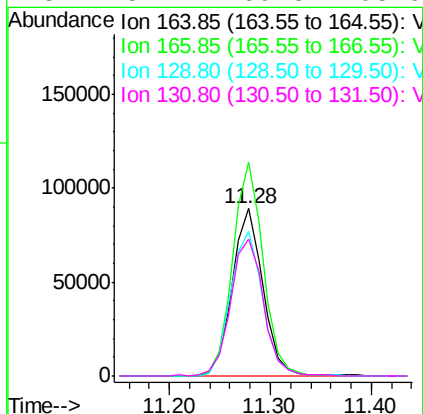
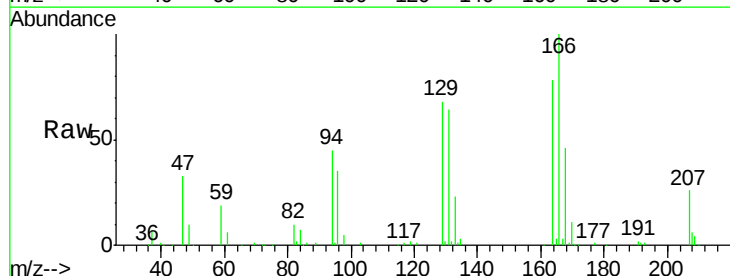
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

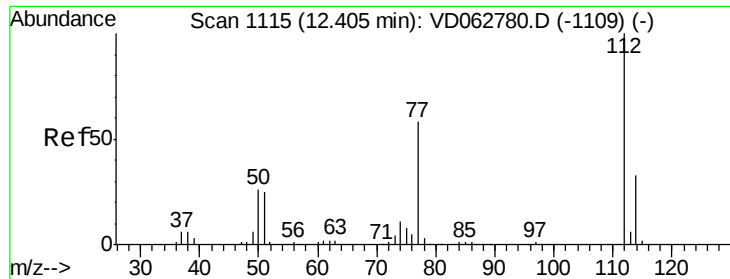
Tot Ion:117 Resp: 1001152
Ion Ratio Lower Upper
117 100
82 55.6 40.4 60.6
119 33.3 25.2 37.8



#64
Tetrachloroethene
Concen: 22.965 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion:164 Resp: 189225
Ion Ratio Lower Upper
164 100
166 127.4 100.6 150.8
129 86.2 69.4 104.0
131 81.7 69.3 103.9

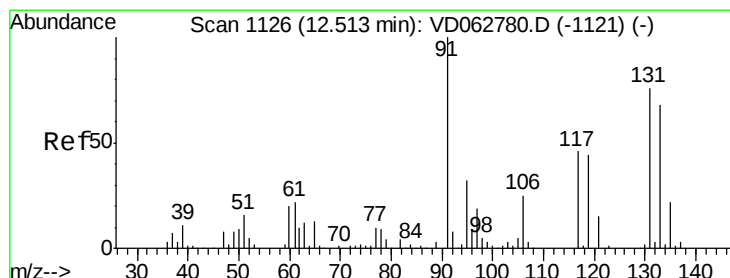
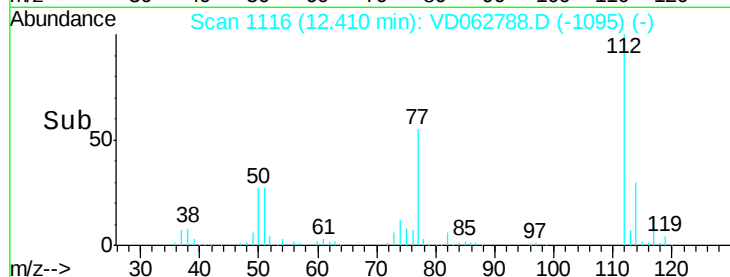
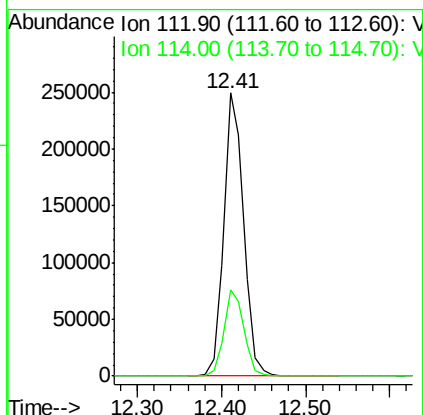
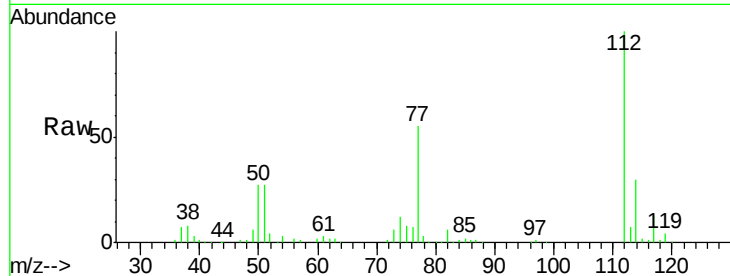




#65
Chlorobenzene
Concen: 21.865 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

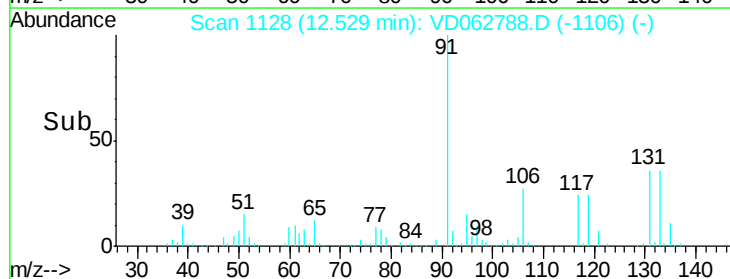
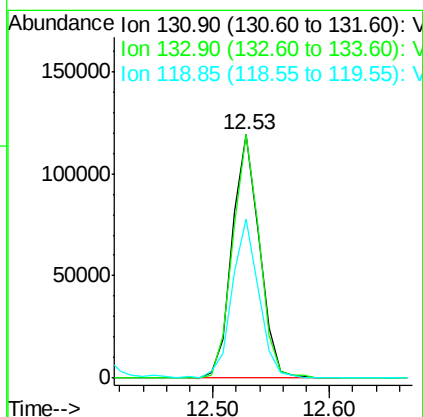
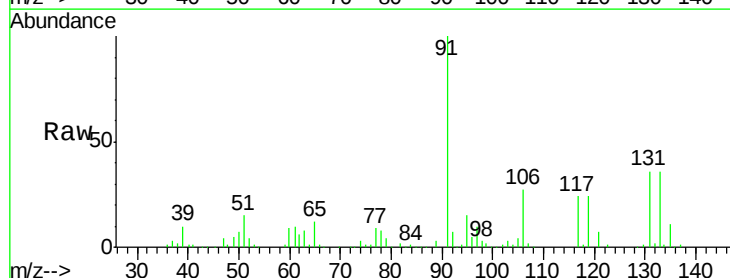
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:112 Resp: 406267
Ion Ratio Lower Upper
112 100
114 30.5 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 22.291 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion:131 Resp: 193693
Ion Ratio Lower Upper
131 100
133 100.1 44.5 133.3
119 65.6 28.6 85.9

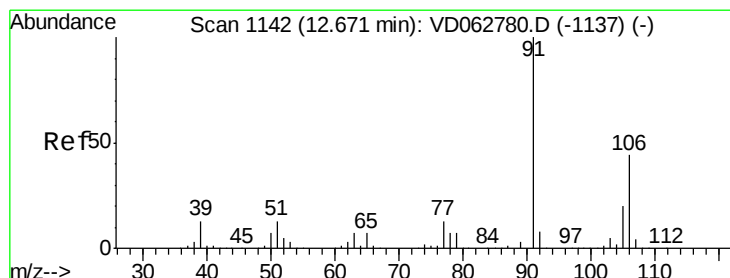
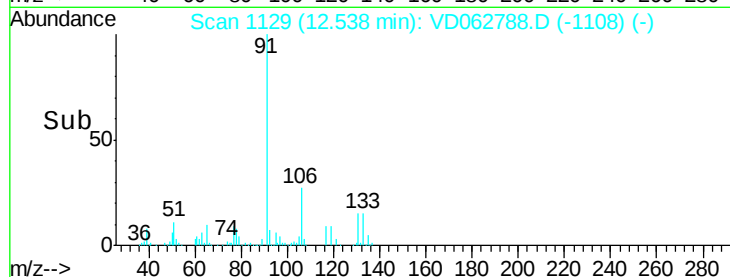
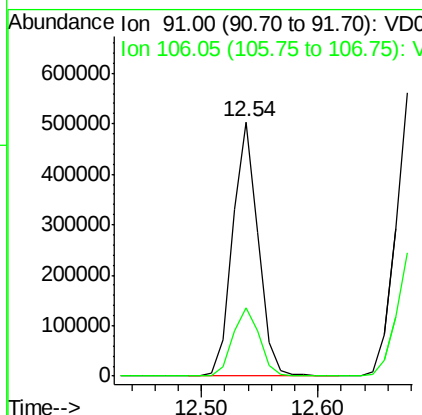
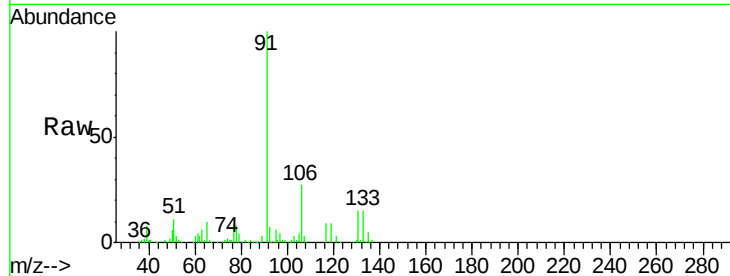




#67
Ethyl Benzene
Concen: 22.763 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

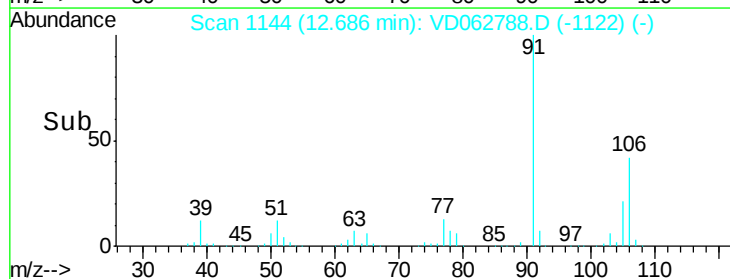
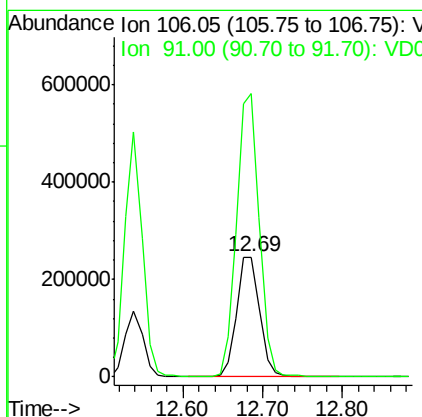
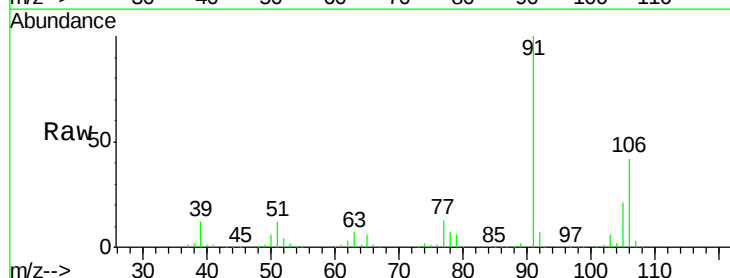
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion: 91 Resp: 759334
Ion Ratio Lower Upper
91 100
106 27.1 23.1 34.7



#68
m/p-Xylenes
Concen: 42.651 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion: 106 Resp: 495547
Ion Ratio Lower Upper
106 100
91 236.6 183.0 274.6

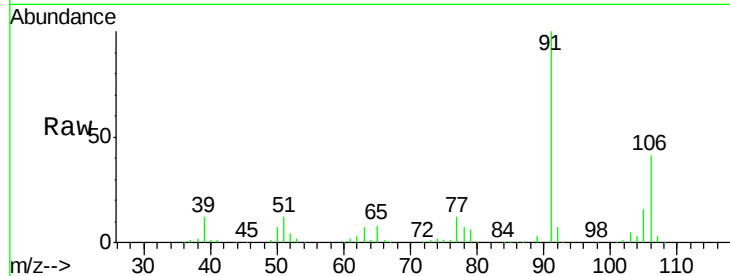




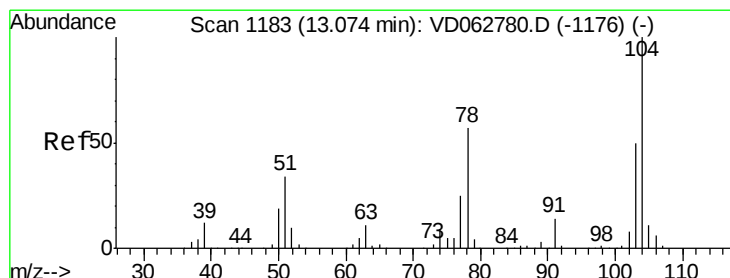
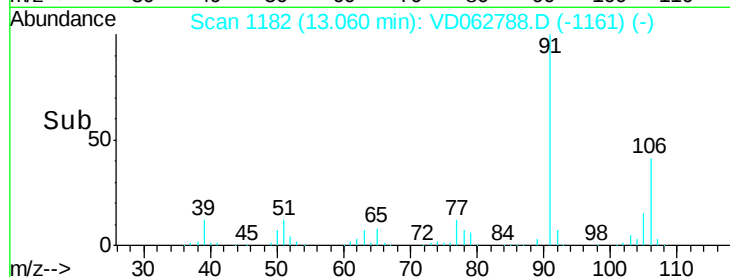
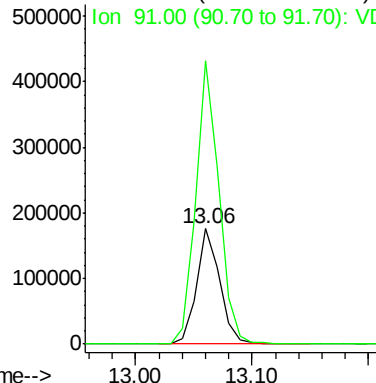
#69
o-Xylene
Concen: 22.888 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:106 Resp: 243095
Ion Ratio Lower Upper
106 100
91 244.8 117.9 353.6

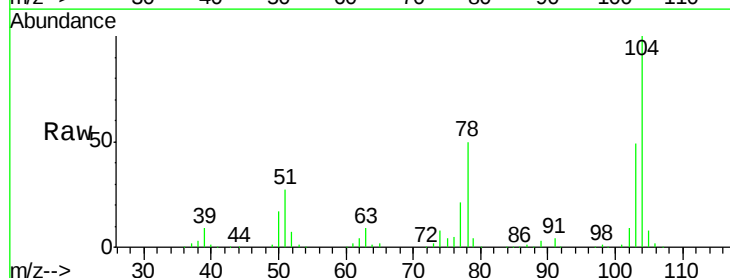


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

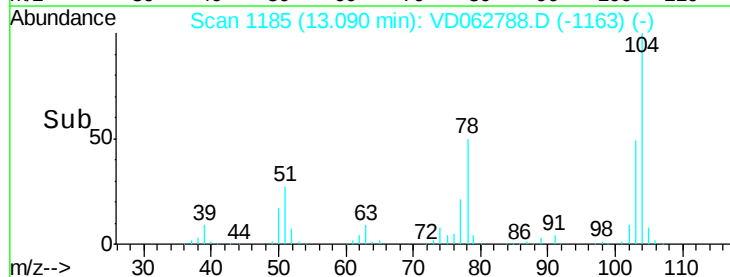
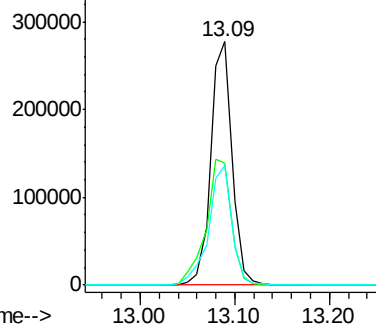


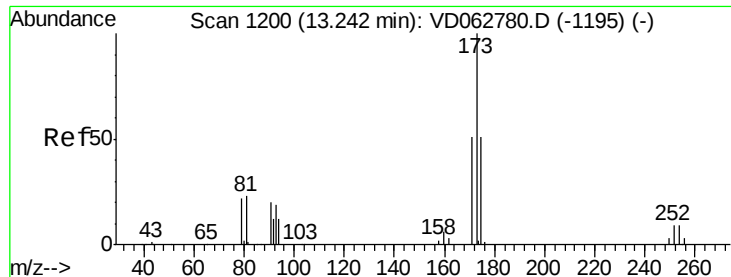
#70
Styrene
Concen: 23.187 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion:104 Resp: 432573
Ion Ratio Lower Upper
104 100
78 50.2 45.4 68.2
103 48.8 39.7 59.5



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





#71

Bromoform

Concen: 22.883 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampled :

VD0620SBS02

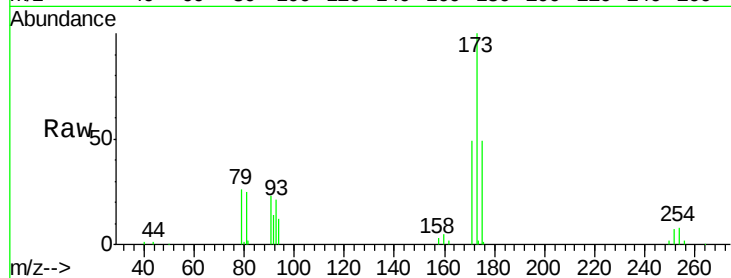
Tot Ion:173 Resp: 136230

Ion Ratio Lower Upper

173 100

175 49.1 25.3 75.9

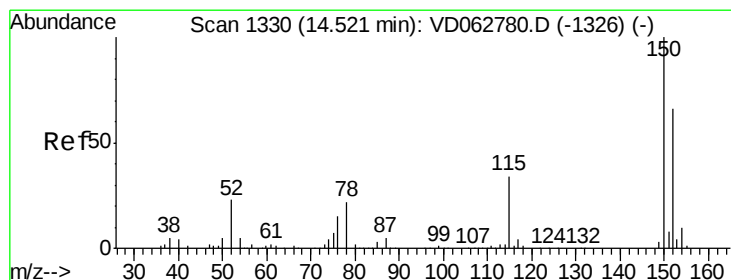
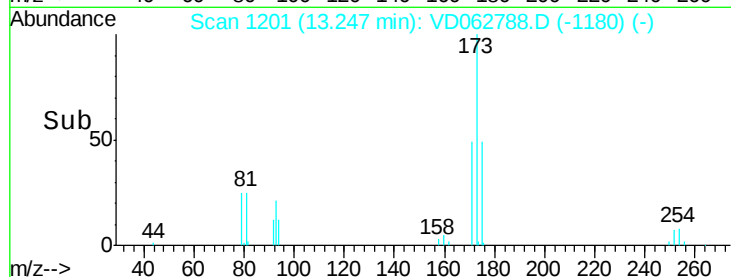
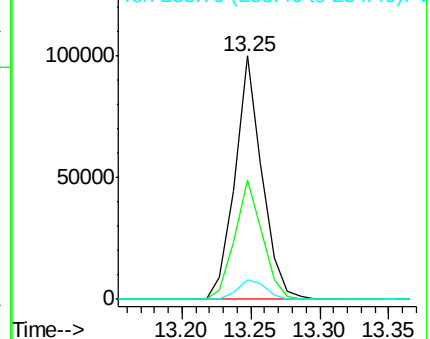
254 8.2 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

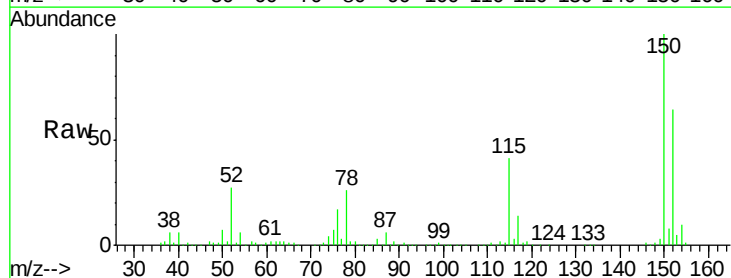
Tgt Ion:152 Resp: 609302

Ion Ratio Lower Upper

152 100

115 64.1 29.2 87.6

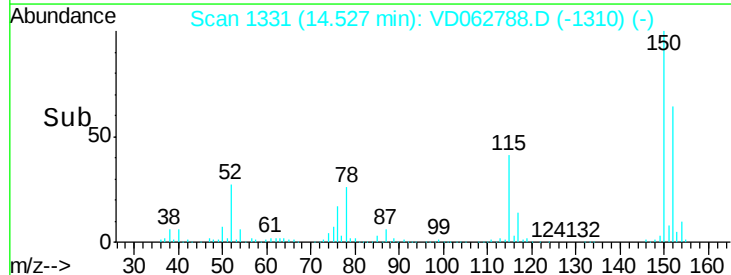
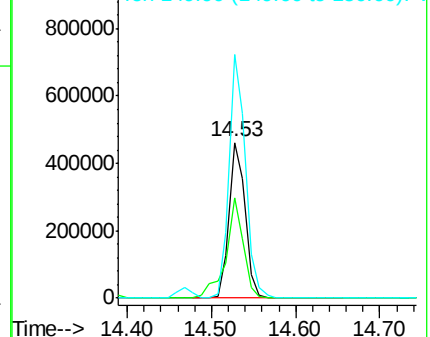
150 156.4 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.599 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

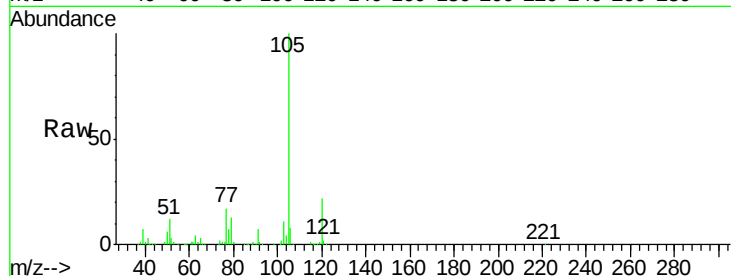
VD0620SBS02

Tot Ion:105 Resp: 765696

Ion Ratio Lower Upper

105 100

120 22.5 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

600000

500000

400000

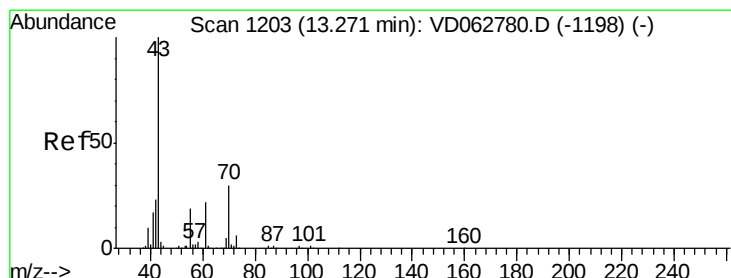
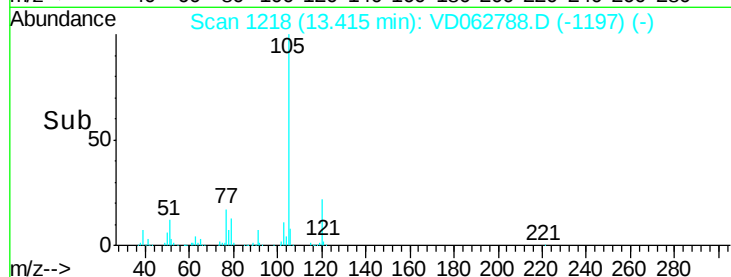
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.393 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Tgt Ion: 43 Resp: 193479

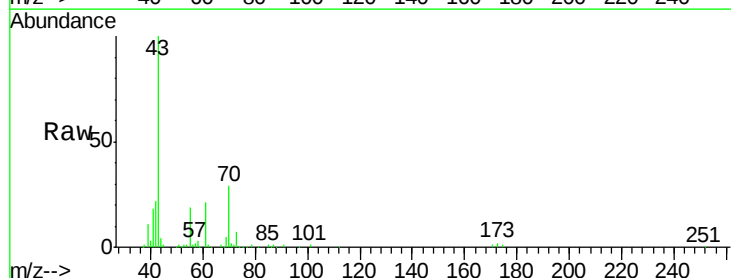
Ion Ratio Lower Upper

43 100

70 29.5 24.4 36.6

55 19.4 15.2 22.8

61 21.5 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.28

200000

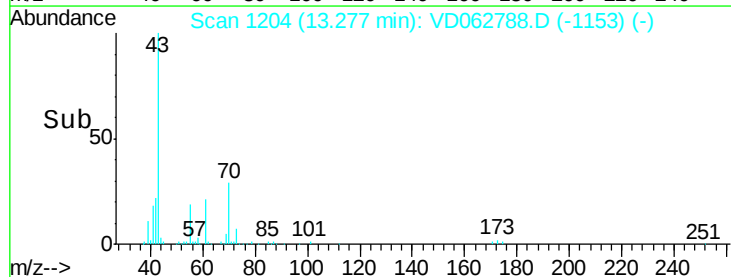
150000

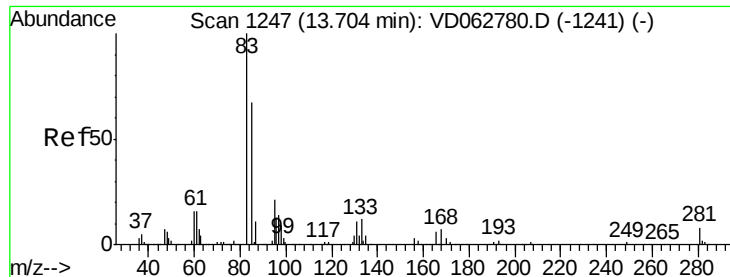
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.181 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

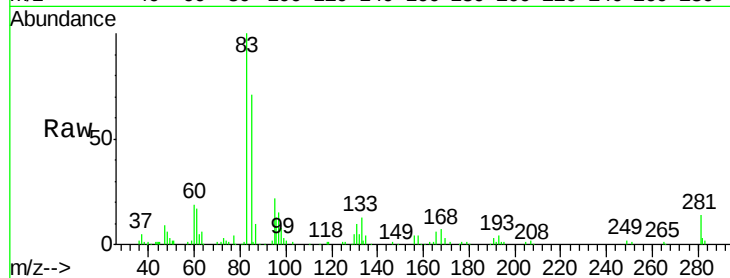
Tot Ion: 83 Resp: 128461

Ion Ratio Lower Upper

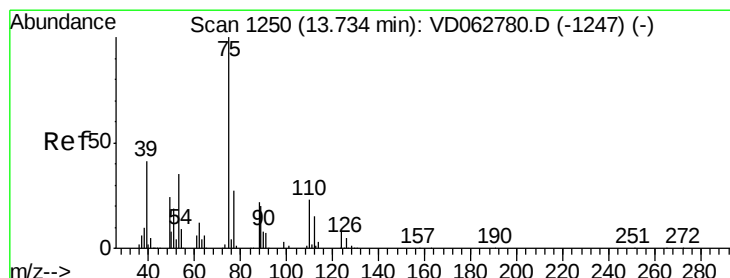
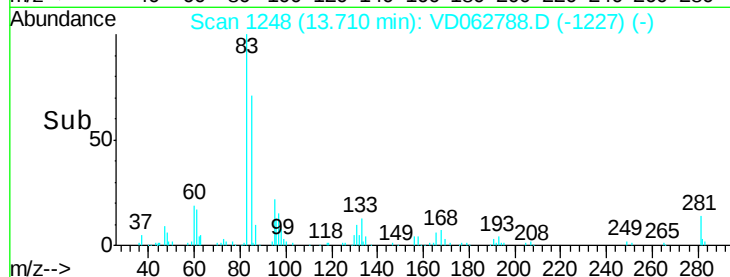
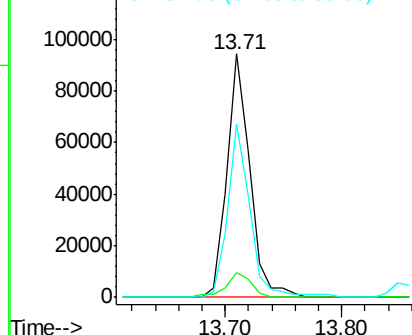
83 100

131 10.3 5.3 16.1

85 71.0 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: 20.158 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062788.D

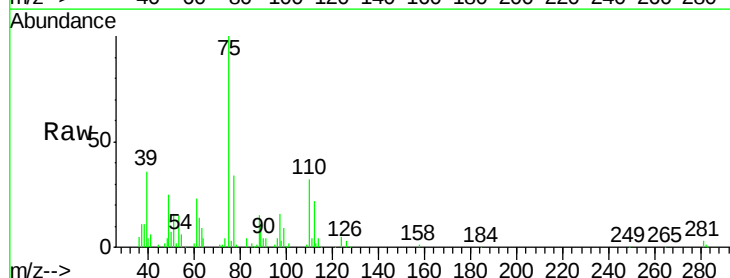
Acq: 20 Jun 2019 12:37

Tgt Ion: 75 Resp: 141790

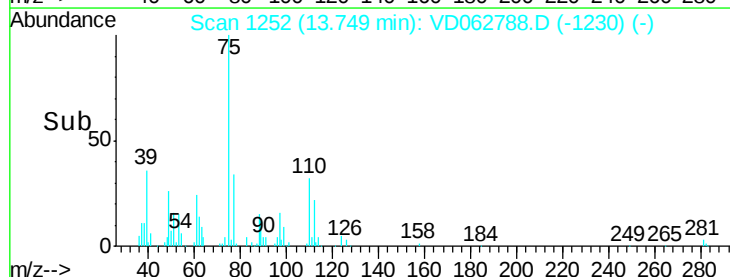
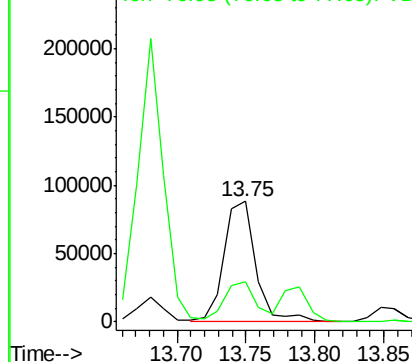
Ion Ratio Lower Upper

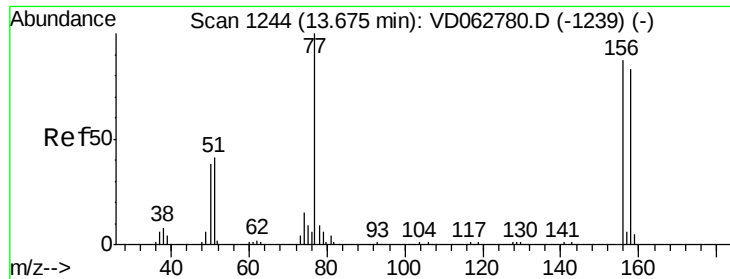
75 100

77 33.6 15.0 45.1



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





#77

Bromobenzene

Concen: 20.414 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

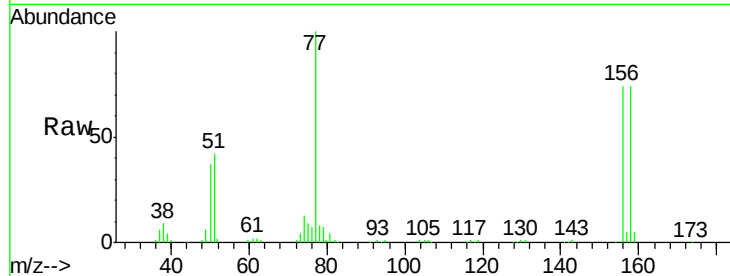
Tot Ion:156 Resp: 214514

Ion Ratio Lower Upper

156 100

77 134.9 57.7 173.1

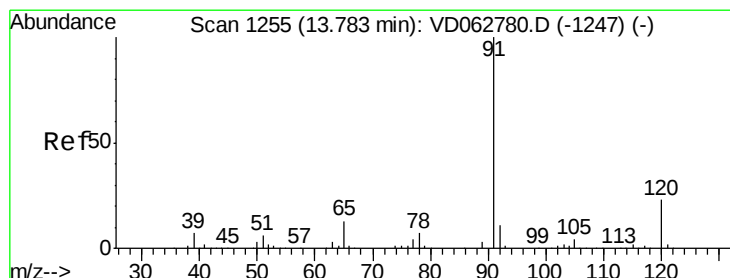
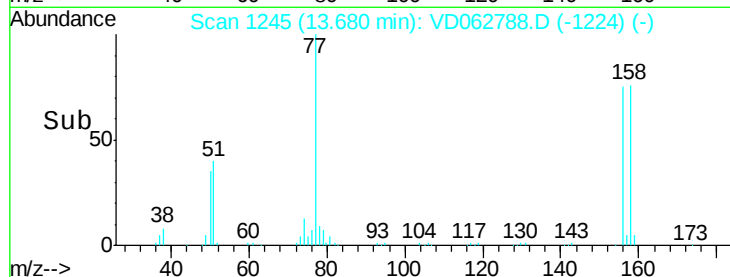
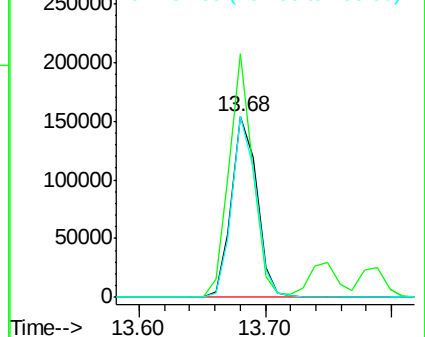
158 100.3 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.834 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD062788.D

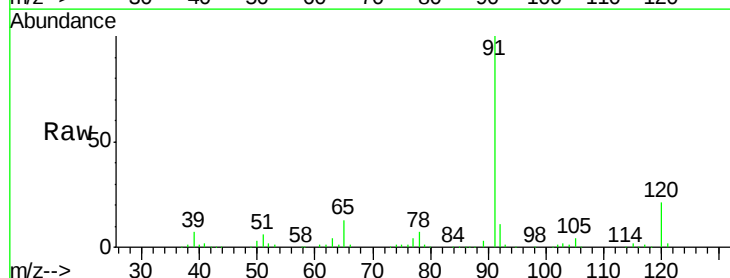
Acq: 20 Jun 2019 12:37

Tgt Ion: 91 Resp: 856376

Ion Ratio Lower Upper

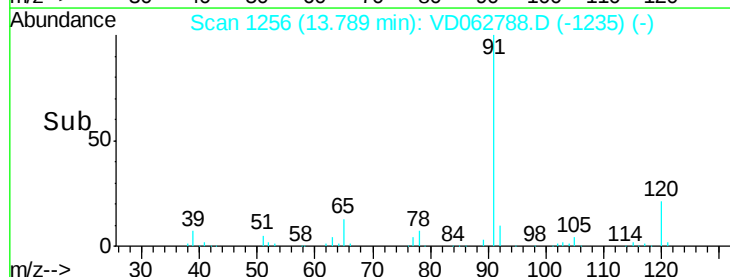
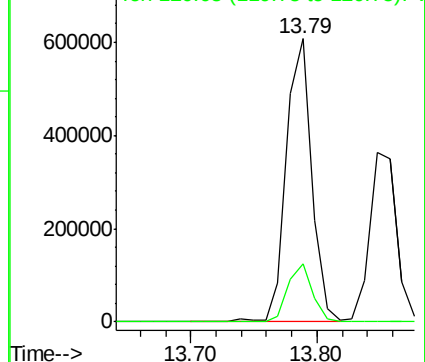
91 100

120 20.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

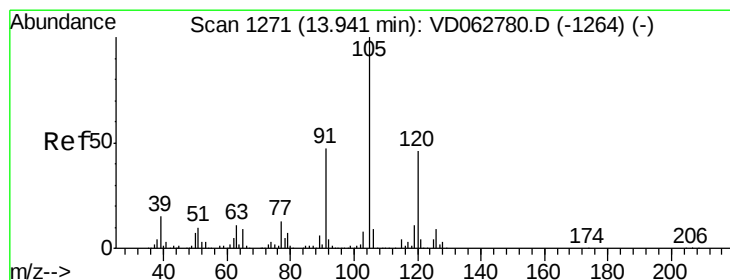
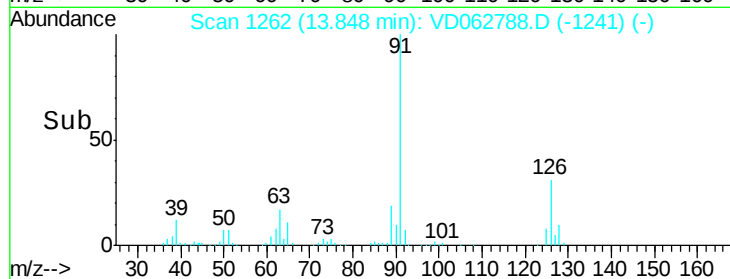
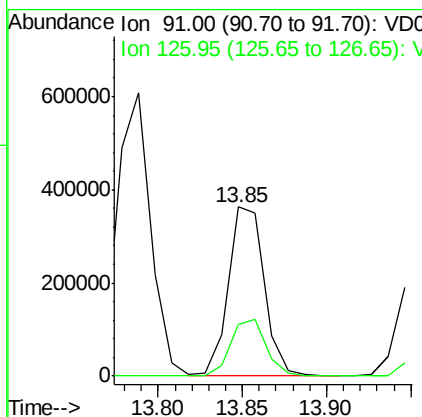
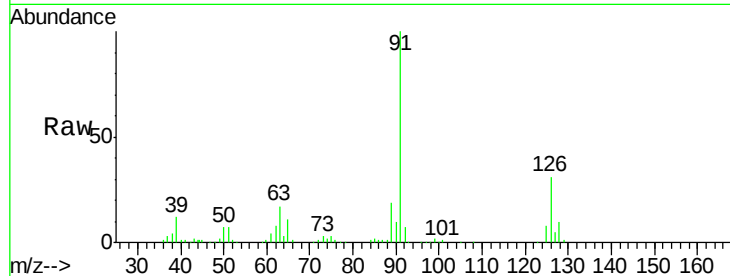




#79
 2-Chlorotoluene
 Concen: 20.535 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

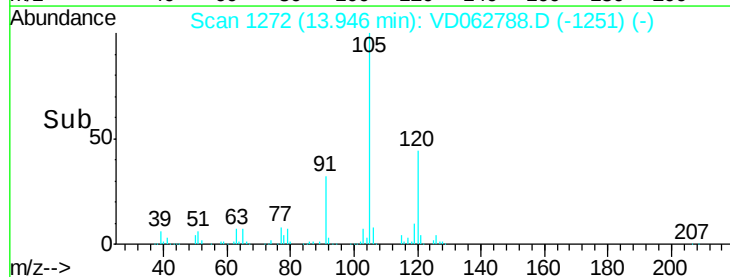
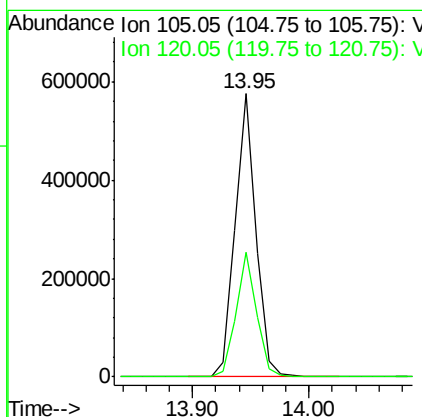
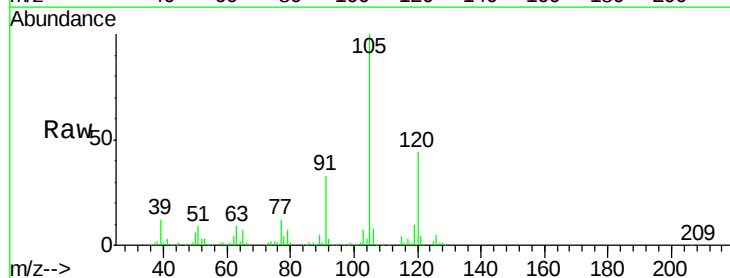
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

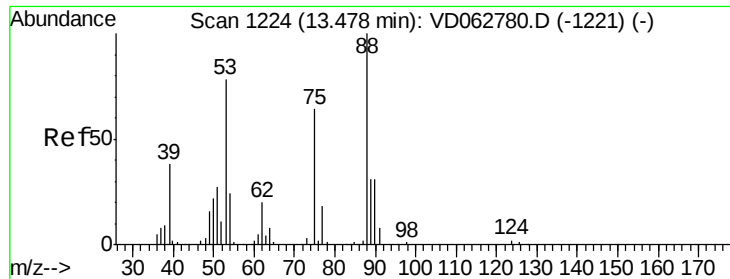
Tot Ion: 91 Resp: 533618
 Ion Ratio Lower Upper
 91 100
 126 30.6 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.572 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Tgt Ion: 105 Resp: 707871
 Ion Ratio Lower Upper
 105 100
 120 44.1 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.945 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

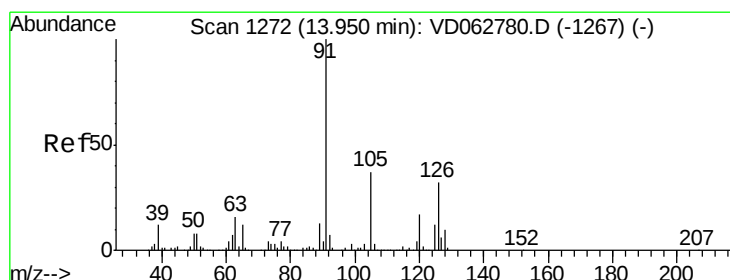
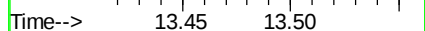
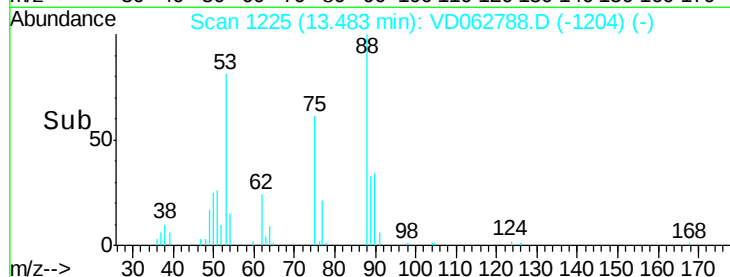
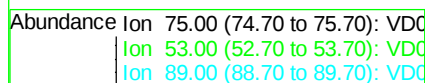
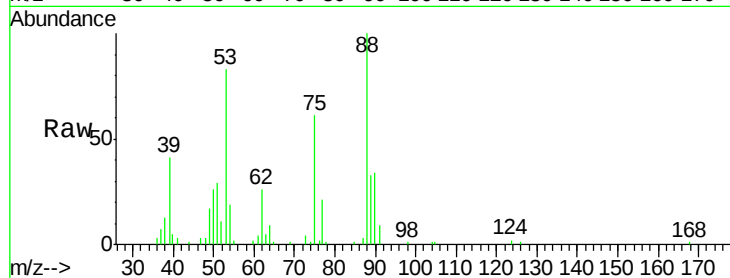
Tot Ion: 75 Resp: 36768

Ion Ratio Lower Upper

75 100

53 136.9 97.8 146.8

89 54.1 39.4 59.2



#82

4-Chlorotoluene

Concen: 21.712 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062788.D

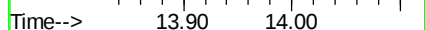
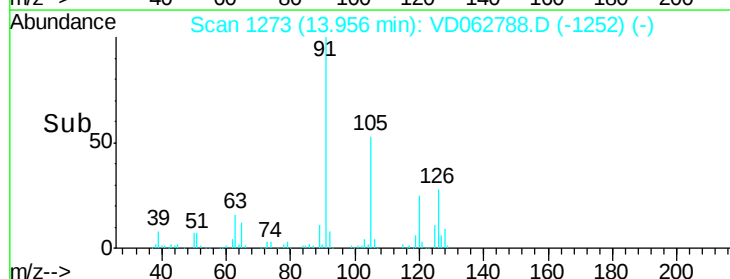
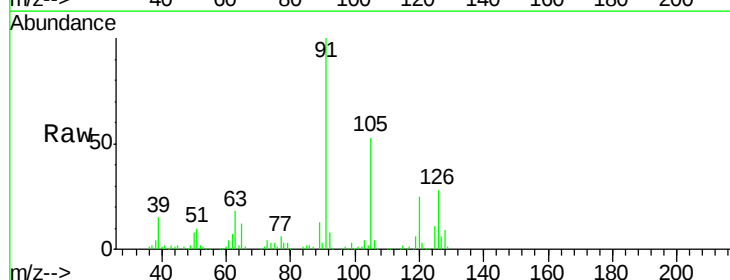
Acq: 20 Jun 2019 12:37

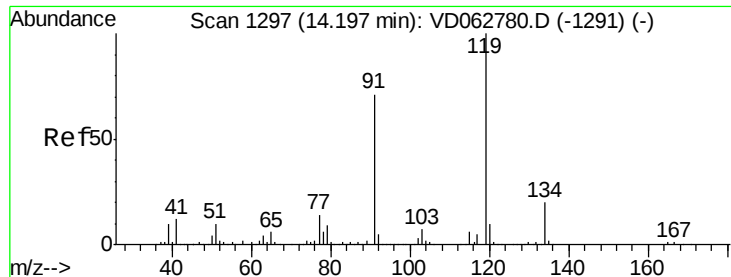
Tgt Ion: 91 Resp: 679252

Ion Ratio Lower Upper

91 100

126 28.5 16.0 47.9

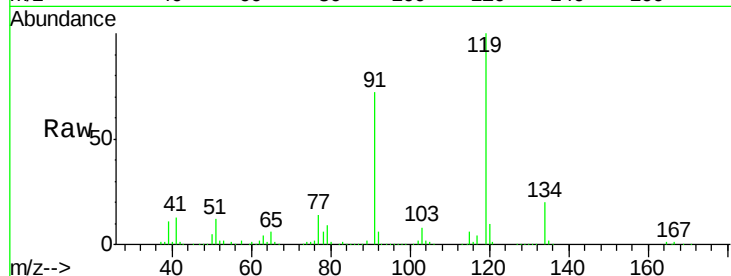




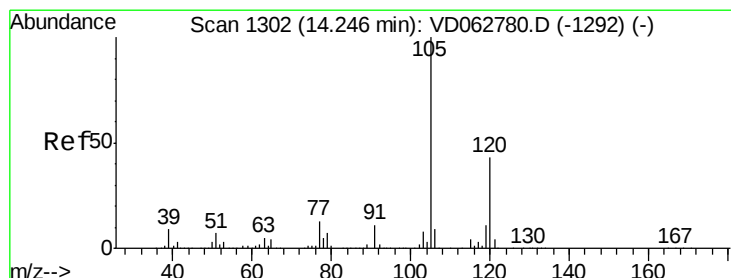
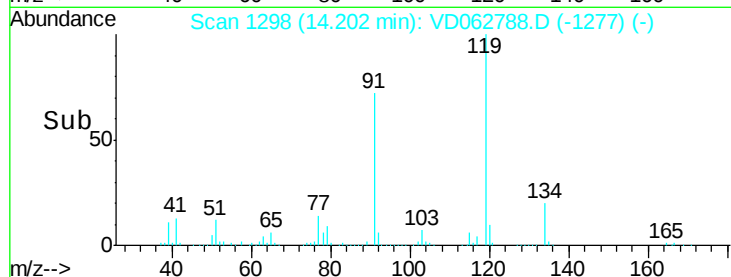
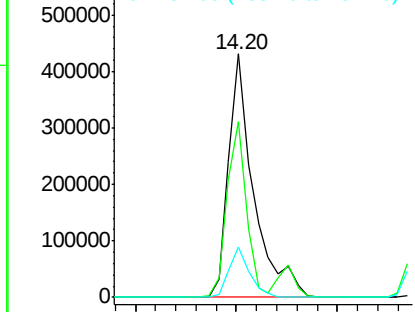
#83
tert-Butylbenzene
Concen: 20.357 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:119 Resp: 744594
Ion Ratio Lower Upper
119 100
91 72.3 35.5 106.5
134 20.4 10.2 30.6

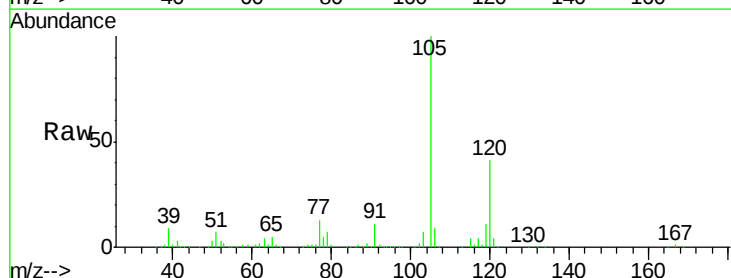


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

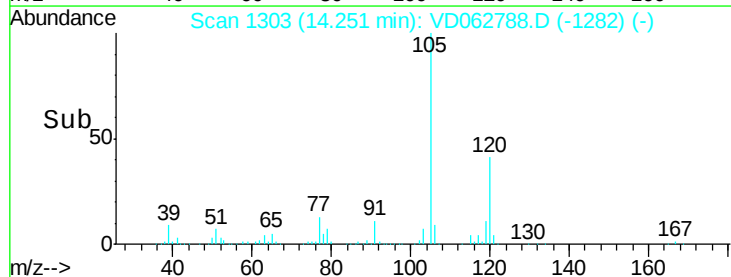
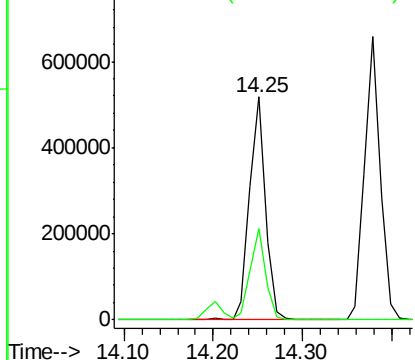


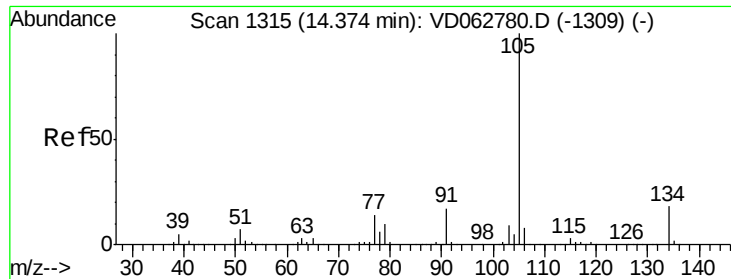
#84
1,2,4-Trimethylbenzene
Concen: 19.172 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion:105 Resp: 644826
Ion Ratio Lower Upper
105 100
120 41.2 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

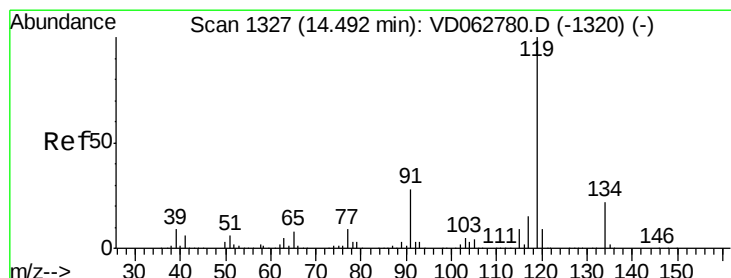
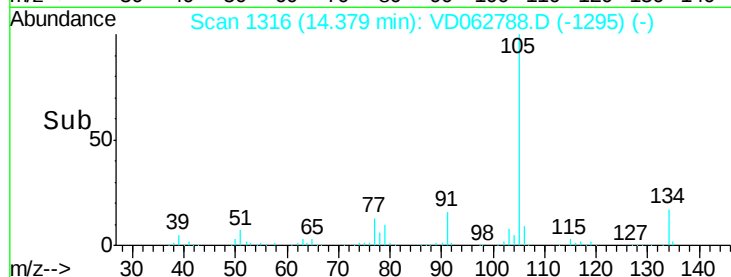
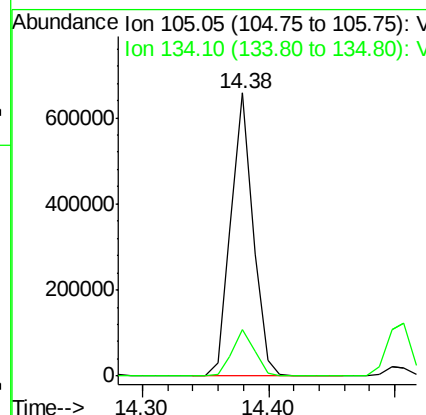
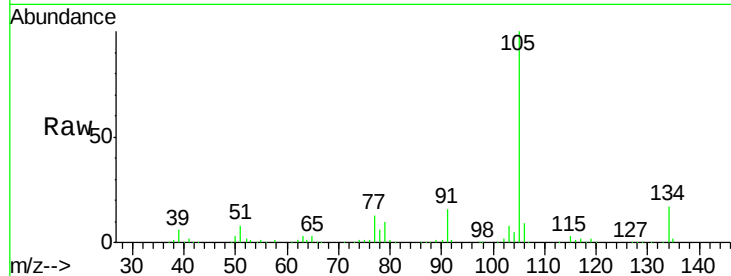




#85
 sec-Butylbenzene
 Concen: 20.157 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

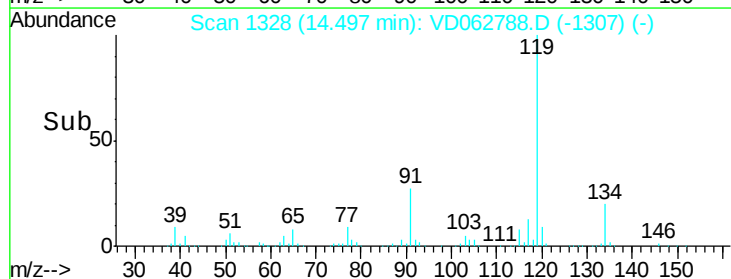
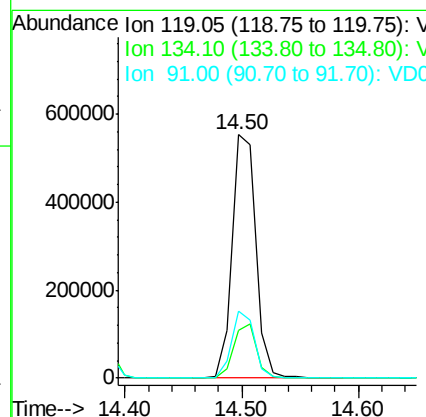
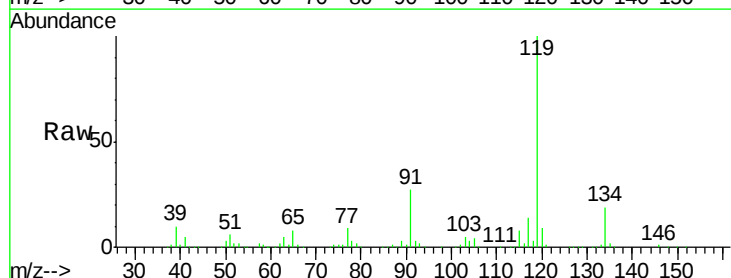
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Tot Ion:105 Resp: 801331
 Ion Ratio Lower Upper
 105 100
 134 16.5 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 21.464 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Tgt Ion:119 Resp: 780620
 Ion Ratio Lower Upper
 119 100
 134 19.5 11.1 33.1
 91 27.3 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 21.698 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

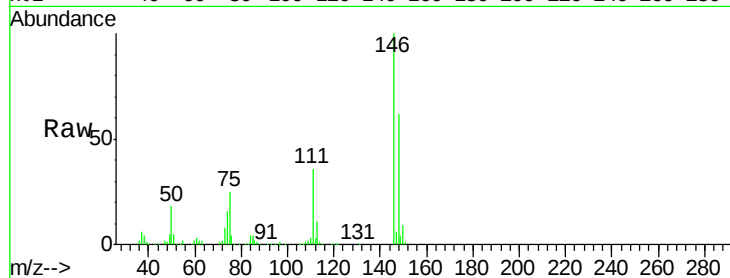
Tot Ion:146 Resp: 408714

Ion Ratio Lower Upper

146 100

111 36.4 19.0 57.0

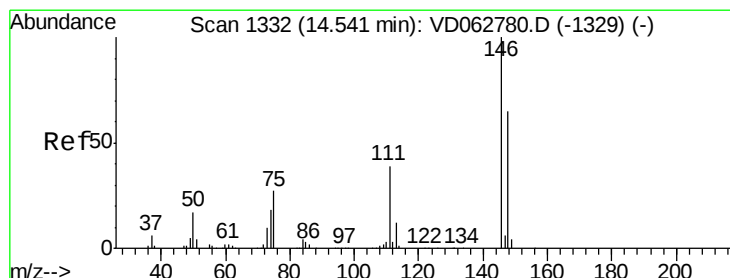
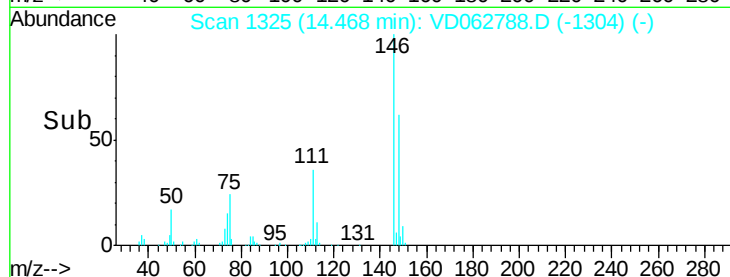
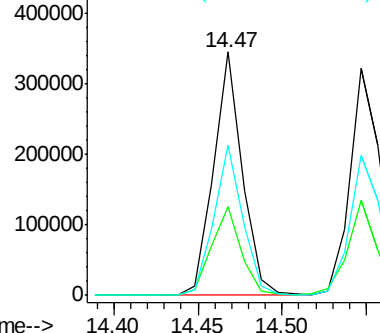
148 61.8 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.094 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

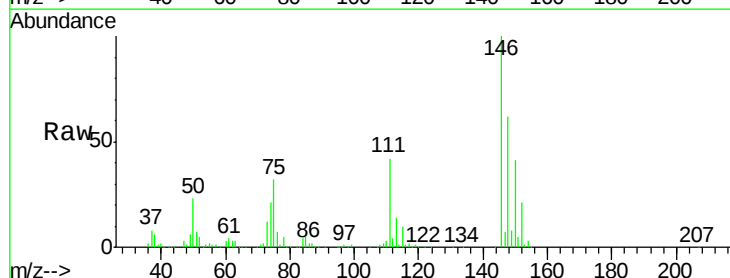
Tgt Ion:146 Resp: 399087

Ion Ratio Lower Upper

146 100

111 42.2 19.7 59.1

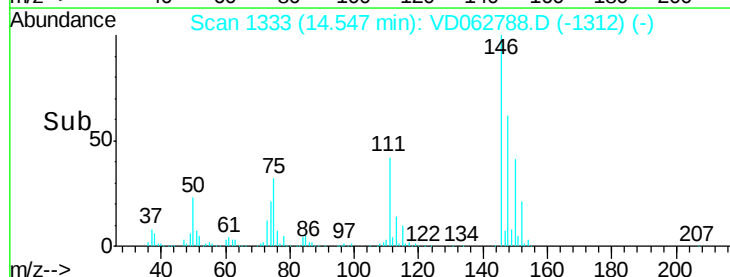
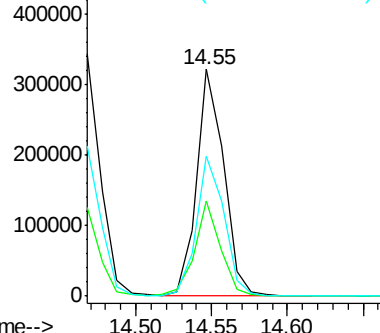
148 61.8 32.8 98.3

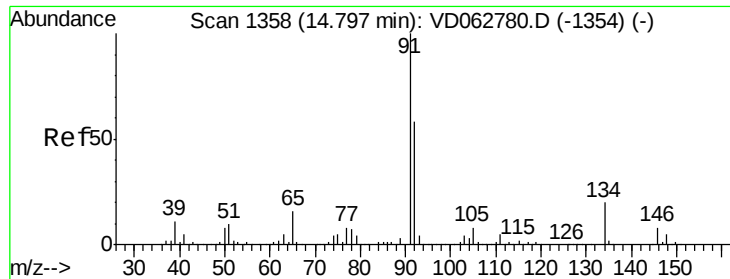


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.009 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD062788.D

Acq: 20 Jun 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

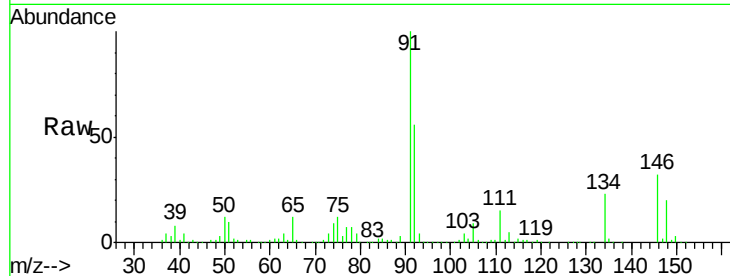
Tot Ion: 91 Resp: 715153

Ion Ratio Lower Upper

91 100

92 56.2 28.9 86.7

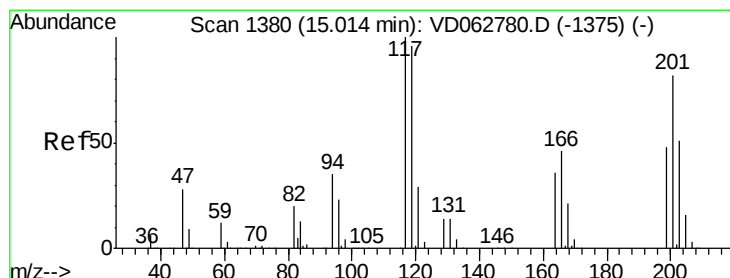
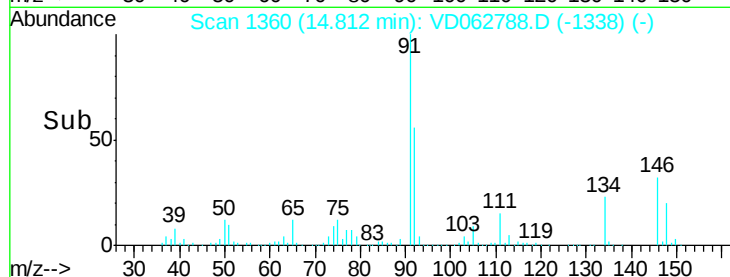
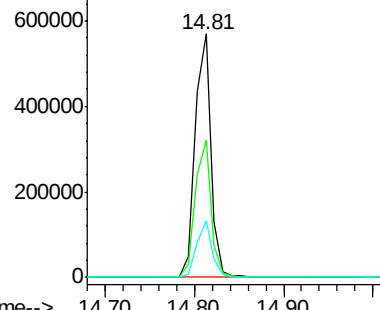
134 23.3 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.464 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062788.D

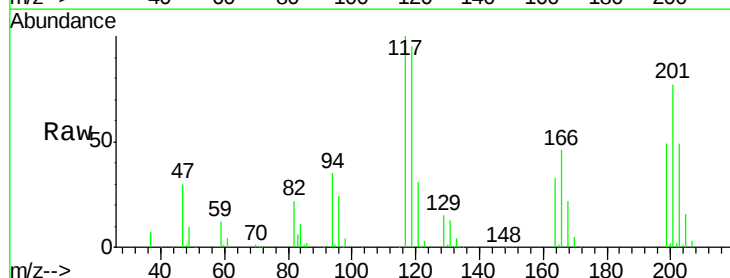
Acq: 20 Jun 2019 12:37

Tgt Ion: 117 Resp: 190327

Ion Ratio Lower Upper

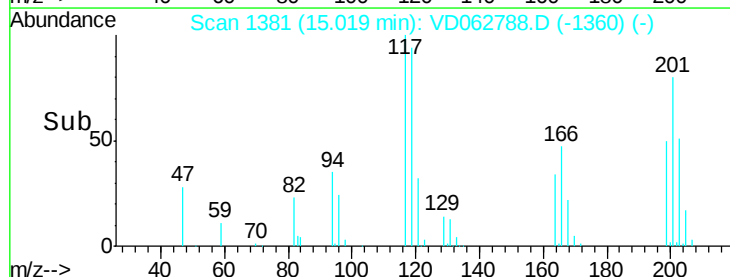
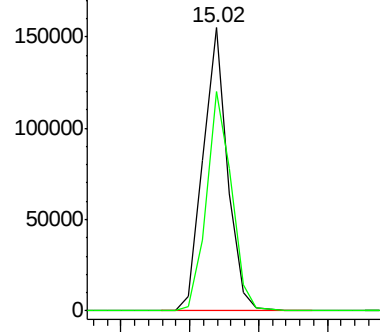
117 100

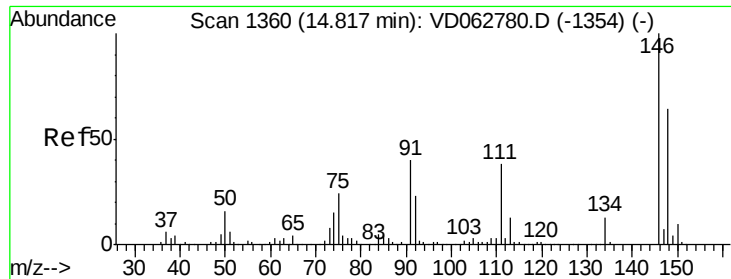
201 77.5 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

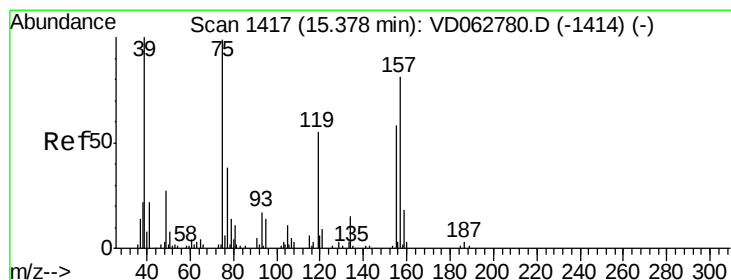
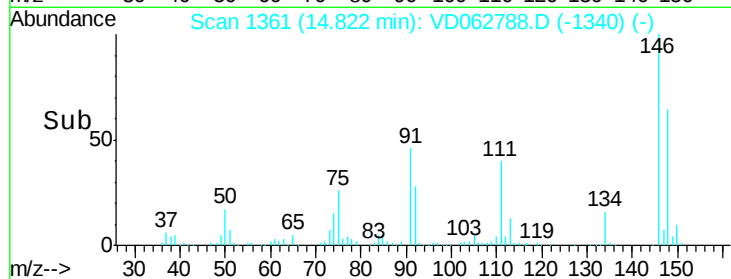
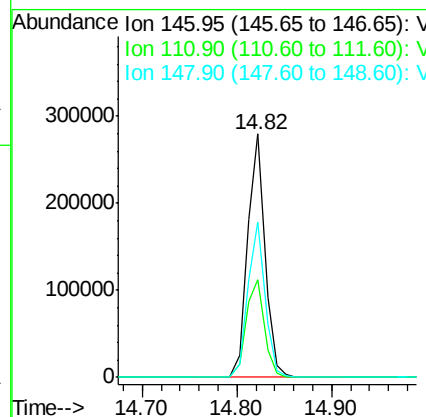
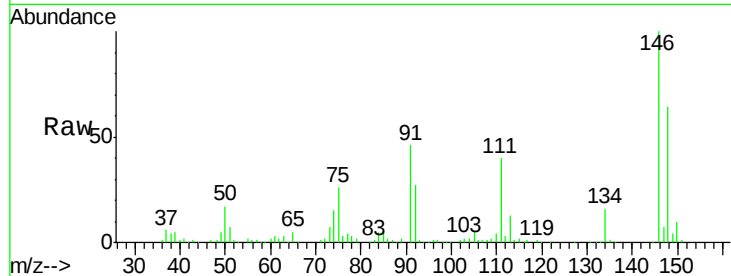




#91
 1,2-Dichlorobenzene
 Concen: 22.023 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

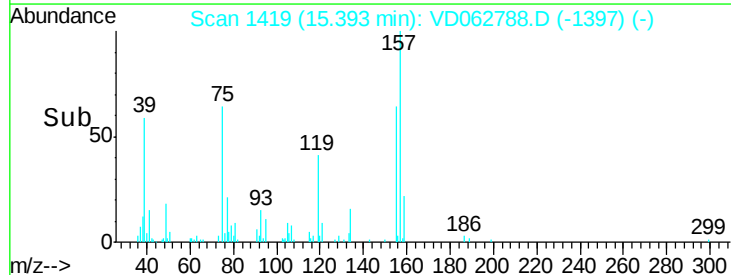
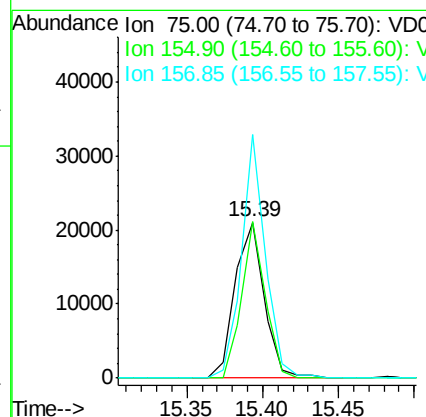
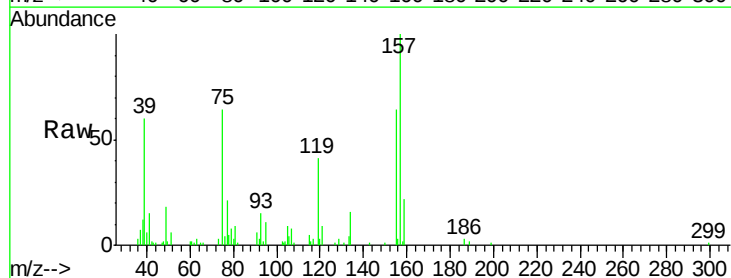
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

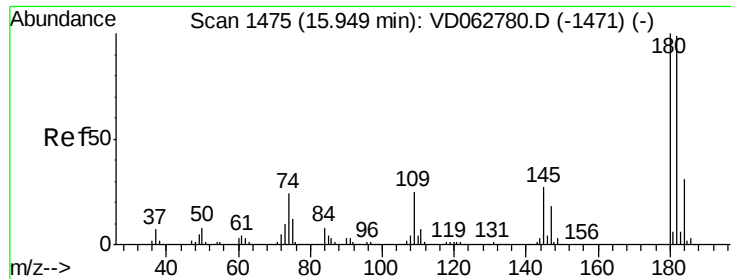
Tot Ion:146 Resp: 354925
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.1 57.1
 148 63.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.572 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Tgt Ion: 75 Resp: 28043
 Ion Ratio Lower Upper
 75 100
 155 101.1 29.3 87.8#
 157 156.7 41.3 123.7#

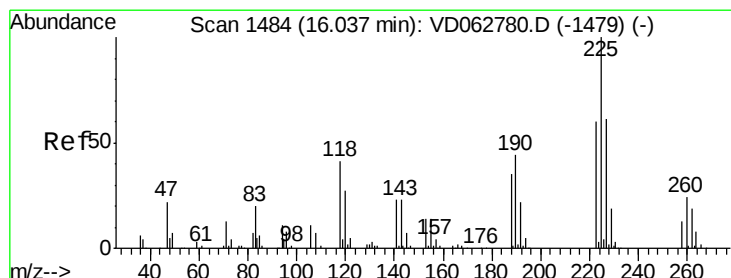
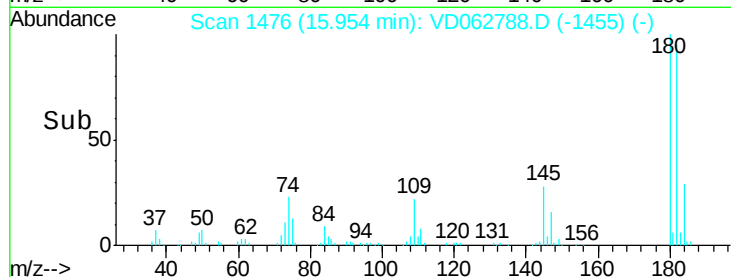
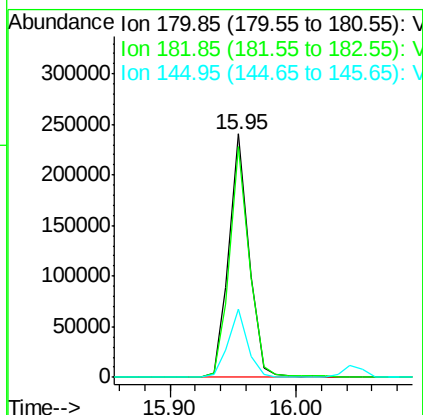
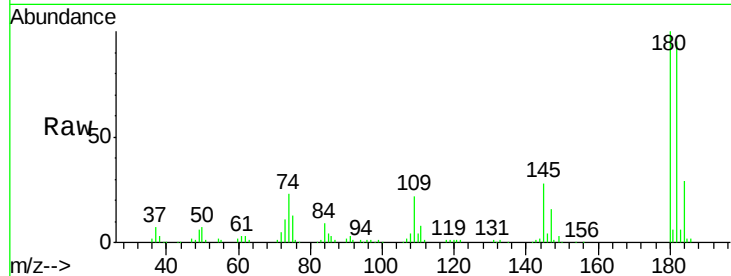




#93
 1,2,4-Trichlorobenzene
 Concen: 21.087 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

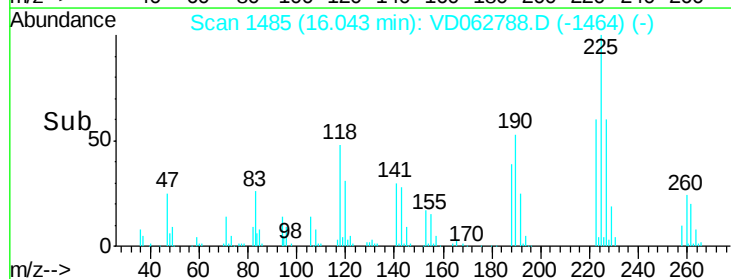
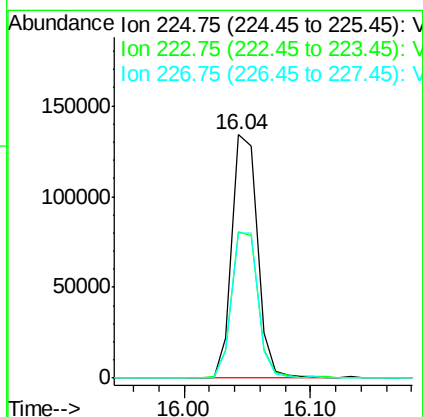
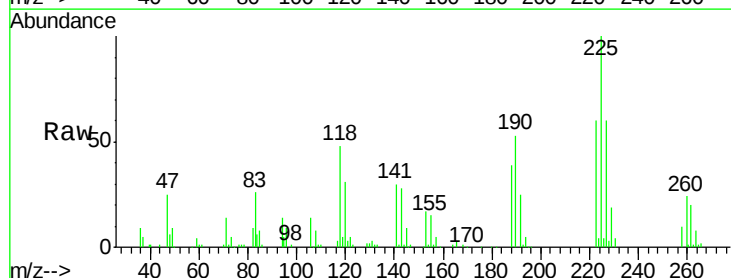
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

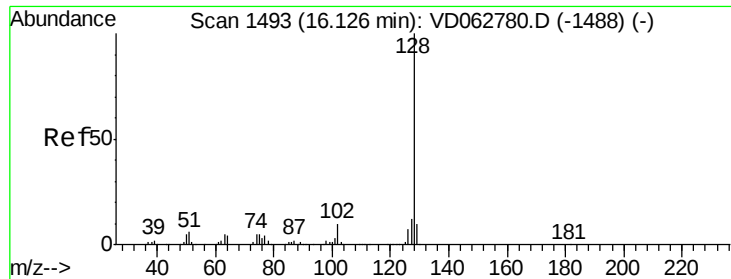
Tot Ion:180 Resp: 265471
 Ion Ratio Lower Upper
 180 100
 182 94.9 49.5 148.5
 145 28.0 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 19.473 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062788.D
 Acq: 20 Jun 2019 12:37

Tgt Ion:225 Resp: 187286
 Ion Ratio Lower Upper
 225 100
 223 60.2 29.8 89.5
 227 59.5 30.6 91.6

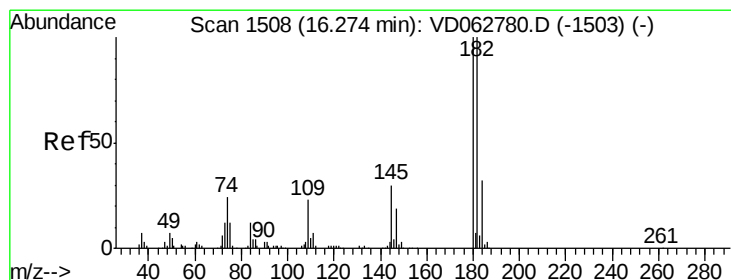
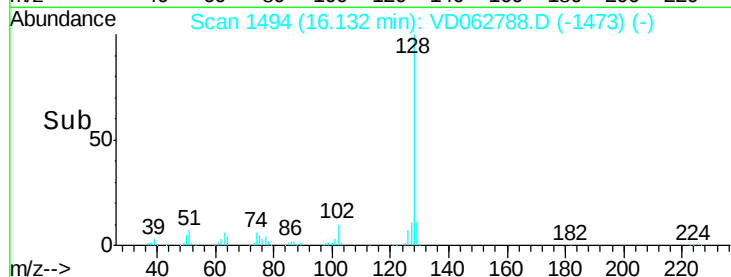
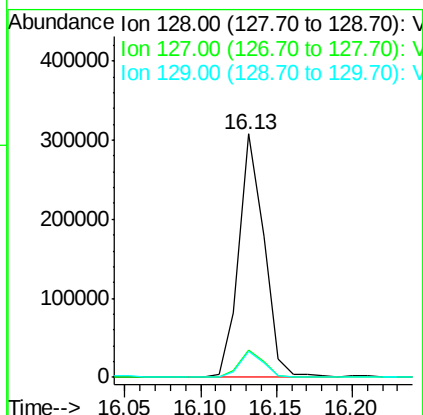
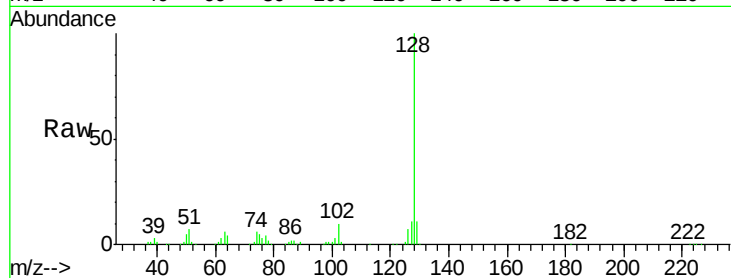




#95
Naphthalene
Concen: 20.251 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:128 Resp: 357335
Ion Ratio Lower Upper
128 100
127 11.2 9.7 14.5
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.783 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062788.D
Acq: 20 Jun 2019 12:37

Tgt Ion:180 Resp: 201033
Ion Ratio Lower Upper
180 100
182 86.4 49.9 149.6
145 29.8 15.2 45.5

