

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062787.D
 Acq On : 20 Jun 2019 12:10
 Operator : VA/AP
 Sample : VD0620SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

Quant Time: Jun 21 06:32:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	966032	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1296285	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.39	117	1100518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	602336	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	546127	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	6.95	113	564944	51.69	ug/l	0.02
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	10.44	98	1221511	51.35	ug/l	0.02
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	13.57	95	546075	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	231701	18.535	ug/l	99
3) Chloromethane	1.75	50	173095	18.412	ug/l	99
4) Vinyl Chloride	1.85	62	163657	17.557	ug/l	99
5) Bromomethane	2.16	94	61749	14.145	ug/l	98
6) Chloroethane	2.27	64	64765	15.347	ug/l	96
7) Trichlorofluoromethane	2.54	101	308147	16.335	ug/l	96
8) Diethyl Ether	2.89	74	39975	16.678	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	178137	17.430	ug/l	93
10) Methyl Iodide	3.32	142	191215	14.182	ug/l	96
11) Tert butyl alcohol	4.11	59	35904	75.074	ug/l	98
12) 1,1-Dichloroethene	3.14	96	128963	16.821	ug/l	91
13) Acrolein	3.05	56	44431	91.003	ug/l	94
14) Allyl chloride	3.63	41	188820	16.668	ug/l	90
15) Acrylonitrile	4.22	53	88170	78.460	ug/l	97
16) Acetone	3.24	43	162345	71.236	ug/l	98
17) Carbon Disulfide	3.39	76	405406	16.545	ug/l #	92
18) Methyl Acetate	3.66	43	59329	18.716	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	264101	15.912	ug/l	92
20) Methylene Chloride	3.83	84	127530	15.925	ug/l #	89
21) trans-1,2-Dichloroethene	4.24	96	138730	16.994	ug/l	88
22) Diisopropyl ether	5.15	45	385090	16.715	ug/l	96
23) Vinyl Acetate	5.08	43	1172821	81.356	ug/l	99
24) 1,1-Dichloroethane	5.01	63	238678	15.912	ug/l	100
25) 2-Butanone	6.10	43	158501	80.706	ug/l #	92
26) 2,2-Dichloropropane	6.05	77	277554	17.457	ug/l	94
27) cis-1,2-Dichloroethene	6.07	96	147565	17.094	ug/l	93
28) Bromochloromethane	6.47	49	121903	23.075	ug/l	87
29) Tetrahydrofuran	6.49	42	74588	80.270	ug/l	93
30) Chloroform	6.69	83	300348	16.465	ug/l	95
31) Cyclohexane	6.98	56	159827	16.208	ug/l	90
32) 1,1,1-Trichloroethane	6.89	97	320687	16.878	ug/l	97
36) 1,1-Dichloropropene	7.17	75	201016	16.381	ug/l	92
37) Ethyl Acetate	6.20	43	92906	17.303	ug/l	96
38) Carbon Tetrachloride	7.14	117	314610	17.047	ug/l	92

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	178603	16.535	ug/l	90
40) Benzene	7.48	78	416865	16.924	ug/l	98
41) Methacrylonitrile	6.48	41	105463	16.297	ug/l #	92
42) 1,2-Dichloroethane	7.60	62	228964	17.039	ug/l	99
43) Isopropyl Acetate	9.26	43	101159	15.724	ug/l #	97
44) Trichloroethene	8.57	130	164456	17.030	ug/l	93
45) 1,2-Dichloropropane	8.96	63	88376	14.429	ug/l #	88
46) Dibromomethane	9.09	93	90309	17.165	ug/l	87
47) Bromodichloromethane	9.39	83	222807	16.306	ug/l	96
48) Methyl methacrylate	9.14	41	77725	17.001	ug/l	96
49) 1,4-Dioxane	9.12	88	14083	370.261	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	358289	78.551	ug/l	95
52) Toluene	10.53	92	287747	17.378	ug/l	98
53) t-1,3-Dichloropropene	10.94	75	186991	16.719	ug/l	96
54) cis-1,3-Dichloropropene	10.06	75	195189	16.057	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	95866	16.852	ug/l	94
56) Ethyl methacrylate	11.07	69	99341	16.341	ug/l	97
57) 1,3-Dichloropropane	11.43	76	142921	16.409	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.87	63	319391	102.335	ug/l	100
59) 2-Hexanone	11.55	43	265896	81.853	ug/l	96
60) Dibromochloromethane	11.71	129	178960	16.890	ug/l	97
61) 1,2-Dibromoethane	11.82	107	111202	16.552	ug/l	98
64) Tetrachloroethene	11.28	164	142982	15.786	ug/l	95
65) Chlorobenzene	12.41	112	331108	16.211	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.53	131	158151	16.557	ug/l	98
67) Ethyl Benzene	12.54	91	588745	16.055	ug/l	99
68) m/p-Xylenes	12.68	106	431367	33.775	ug/l	98
69) o-Xylene	13.06	106	200482	17.171	ug/l	97
70) Styrene	13.08	104	326787	15.935	ug/l	98
71) Bromoform	13.25	173	107779	16.469	ug/l	94
73) Isopropylbenzene	13.42	105	683630	17.701	ug/l	99
74) N-amyl acetate	13.28	43	155493	16.579	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	98050	15.582	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	112023	16.110	ug/l	99
77) Bromobenzene	13.68	156	181485	17.471	ug/l	98
78) n-propylbenzene	13.78	91	729795	16.235	ug/l	94
79) 2-Chlorotoluene	13.85	91	431389	16.793	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	531599	16.387	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.49	75	27748	15.226	ug/l	97
82) 4-Chlorotoluene	13.96	91	531726	17.193	ug/l	98
83) tert-Butylbenzene	14.21	119	608871	16.839	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	534327	16.070	ug/l	95
85) sec-Butylbenzene	14.38	105	643898	16.384	ug/l	100
86) p-Isopropyltoluene	14.50	119	598872	16.657	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	302883	16.266	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	314710	16.827	ug/l	95
89) n-Butylbenzene	14.81	91	595918	17.709	ug/l	98
90) Hexachloroethane	15.02	117	156523	16.192	ug/l	90
91) 1,2-Dichlorobenzene	14.82	146	284383	17.850	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	20140	16.398	ug/l	95

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
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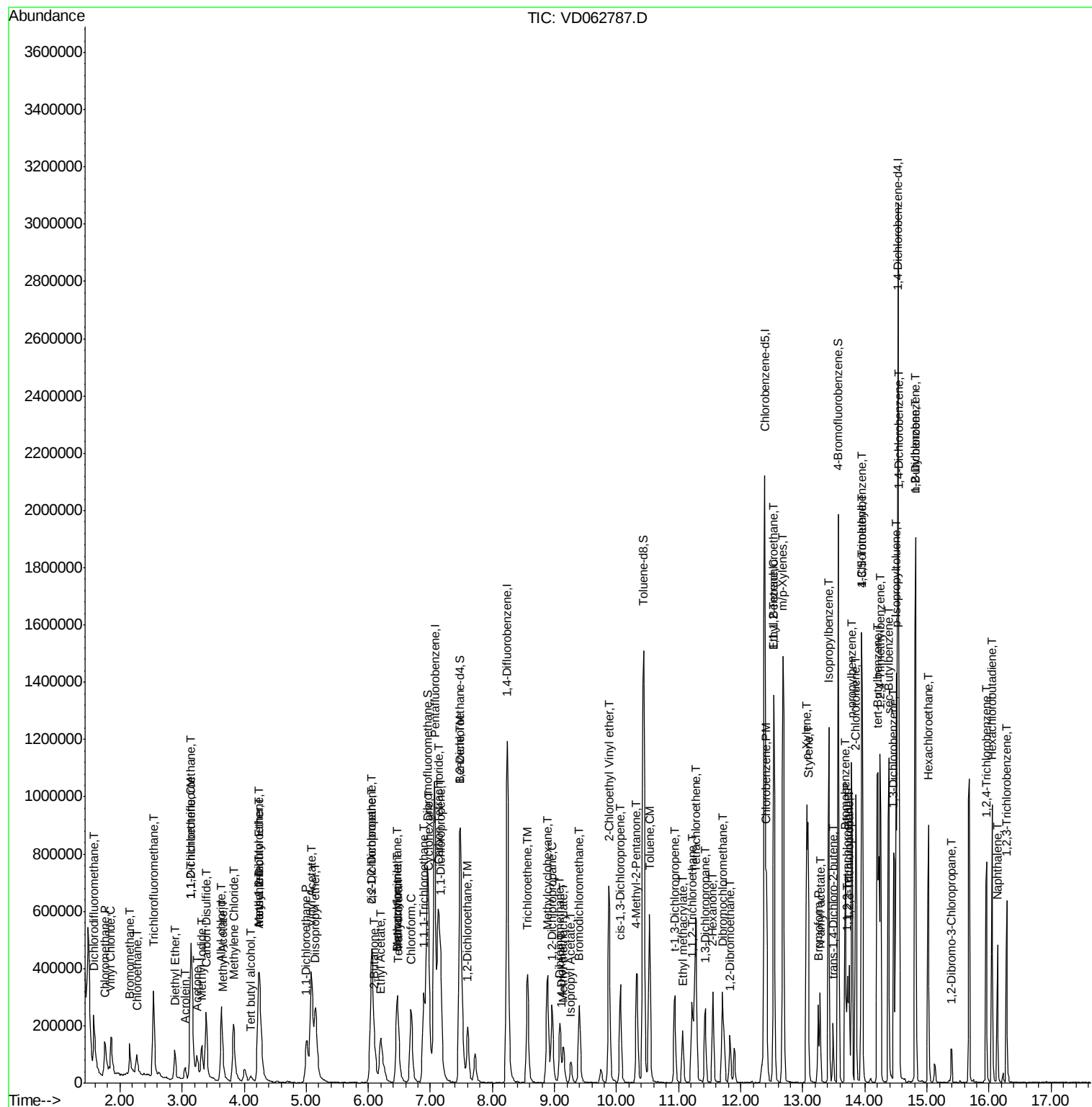
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	210602	16.922	ug/l	97
94) Hexachlorobutadiene	16.05	225	149060	15.678	ug/l	97
95) Naphthalene	16.14	128	272939	15.647	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	155943	16.308	ug/l	92

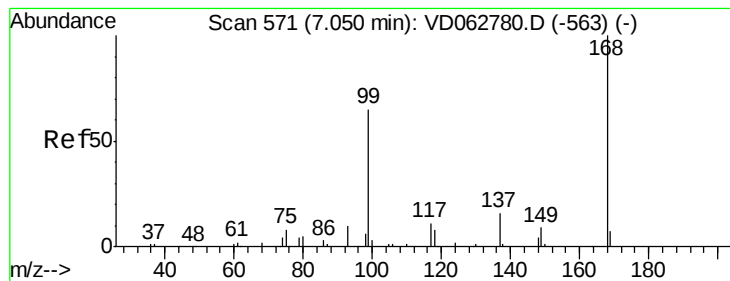
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

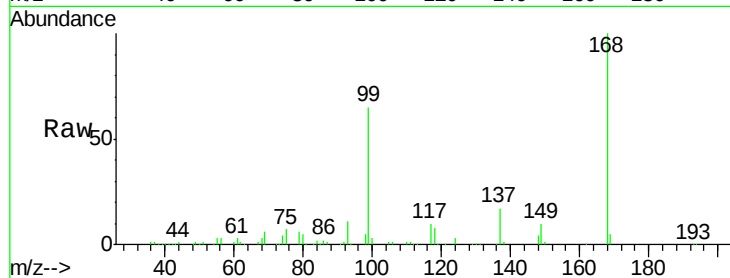
VD0620SBS01

Tot Ion:168 Resp: 966032

Ion Ratio Lower Upper

168 100

99 65.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

400000

300000

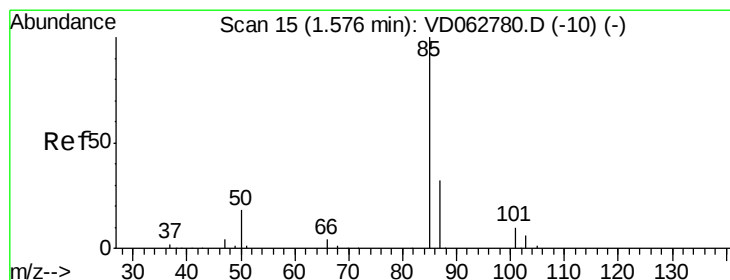
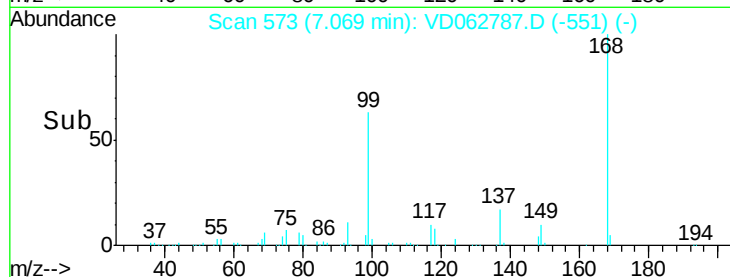
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.535 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062787.D

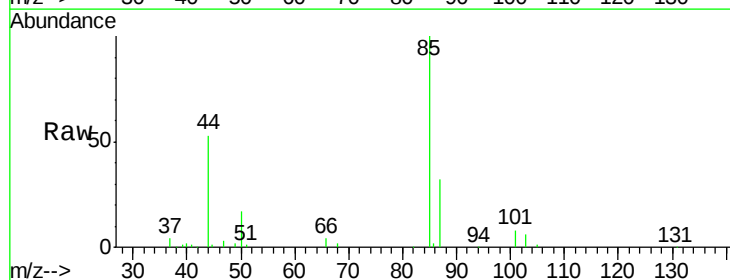
Acq: 20 Jun 2019 12:10

Tgt Ion: 85 Resp: 231701

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

100000

80000

60000

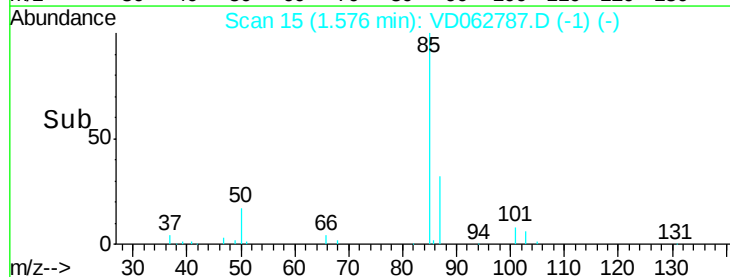
40000

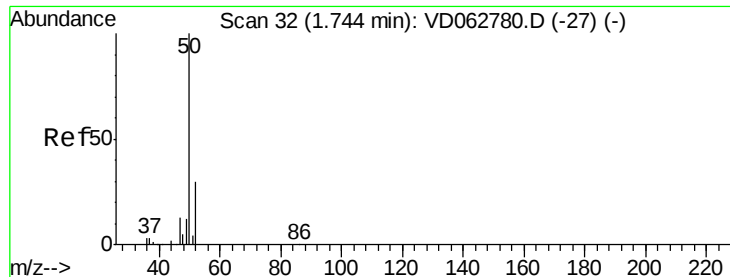
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 18.412 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

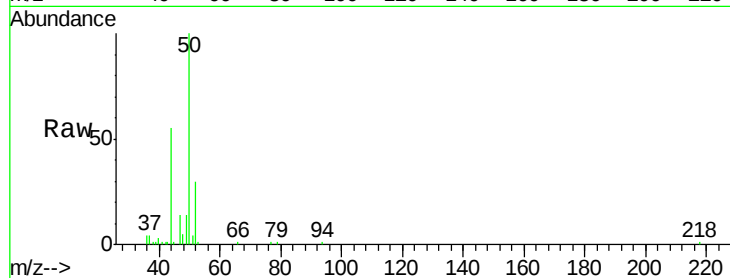
VD0620SBS01

Tot Ion: 50 Resp: 173095

Ion Ratio Lower Upper

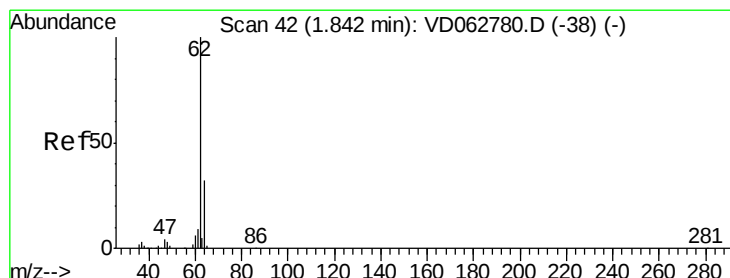
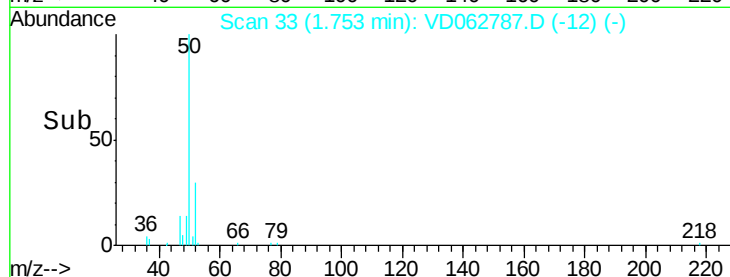
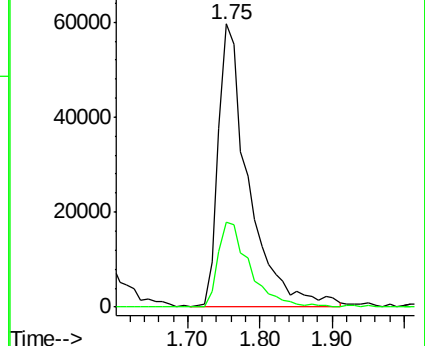
50 100

52 30.2 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: 17.557 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062787.D

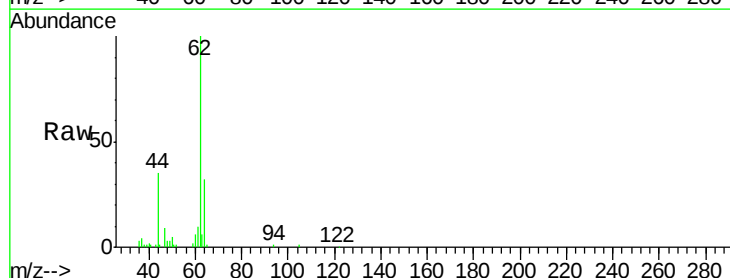
Acq: 20 Jun 2019 12:10

Tgt Ion: 62 Resp: 163657

Ion Ratio Lower Upper

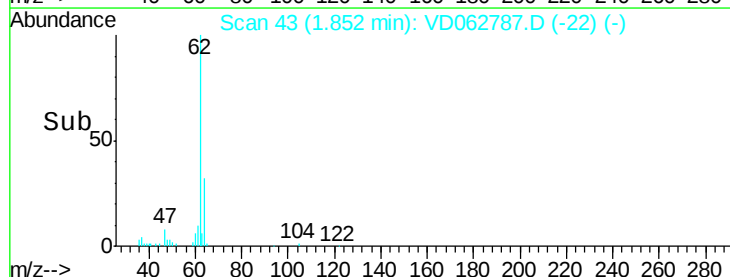
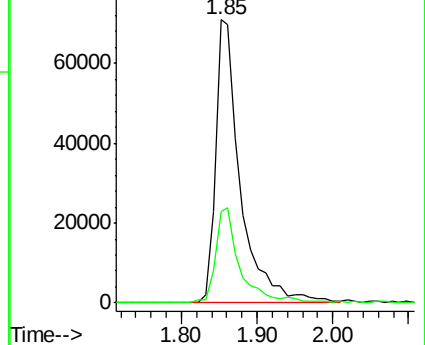
62 100

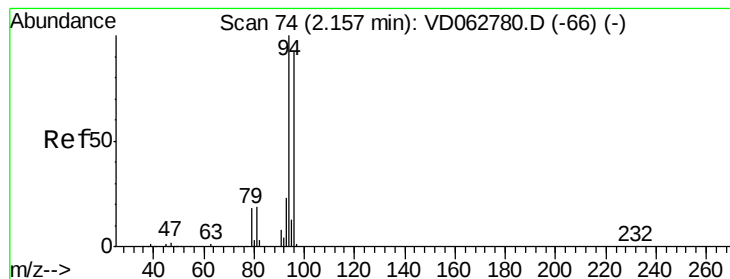
64 32.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.145 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

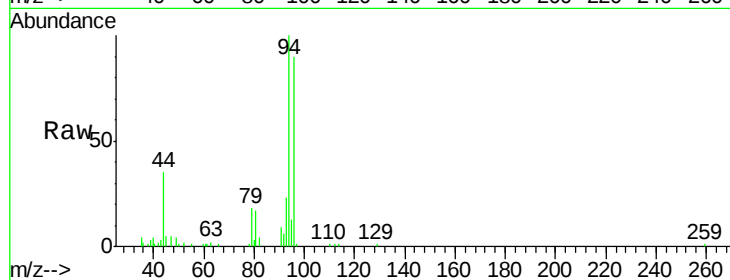
MSVOA_D

ClientSampleId :

VD0620SBS01

Tot Ion: 94 Resp: 61749

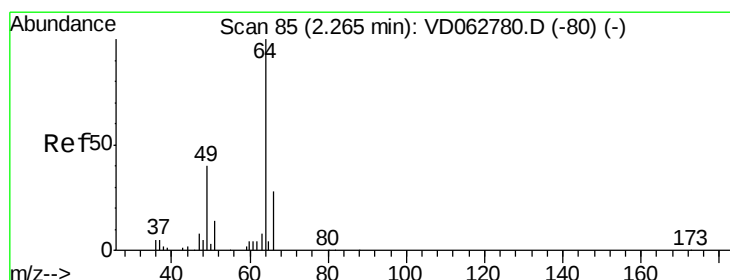
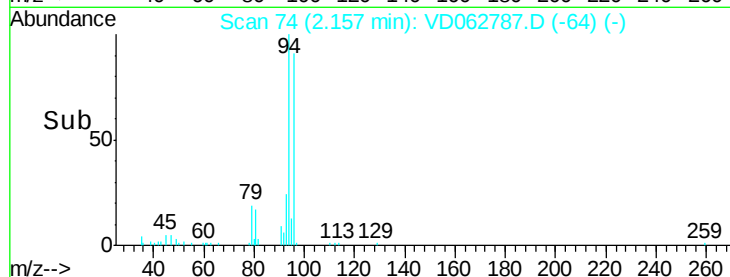
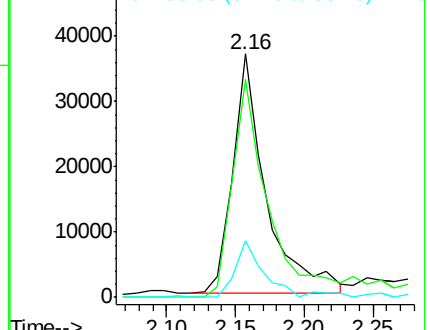
Ion	Ratio	Lower	Upper
94	100		
96	89.5	73.4	110.2
93	23.3	18.2	27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 15.347 ug/l

RT: 2.27 min Scan# 85

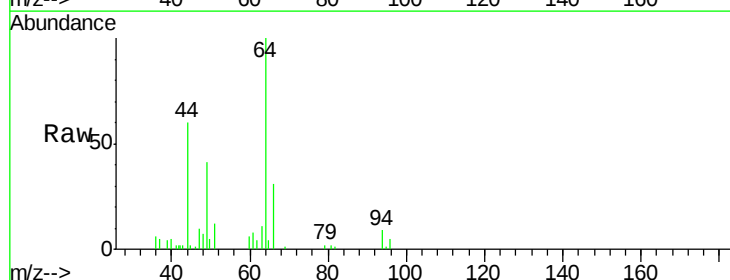
Delta R.T. 0.00 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

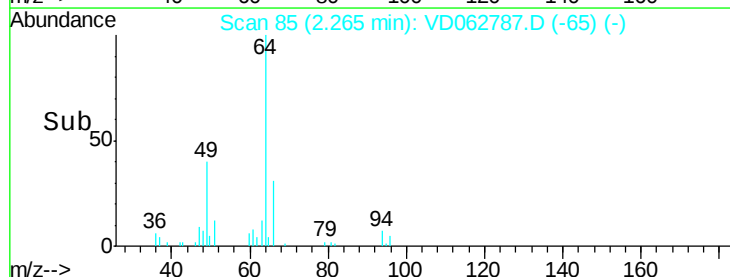
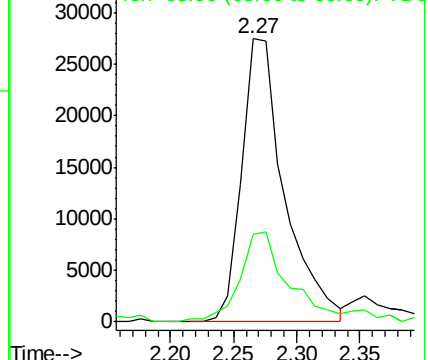
Tgt Ion: 64 Resp: 64765

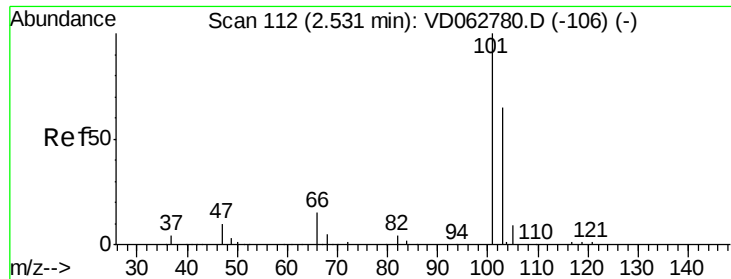
Ion	Ratio	Lower	Upper
64	100		
66	31.0	23.0	34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



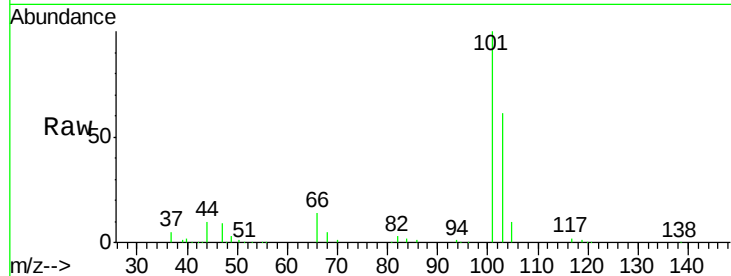


#7

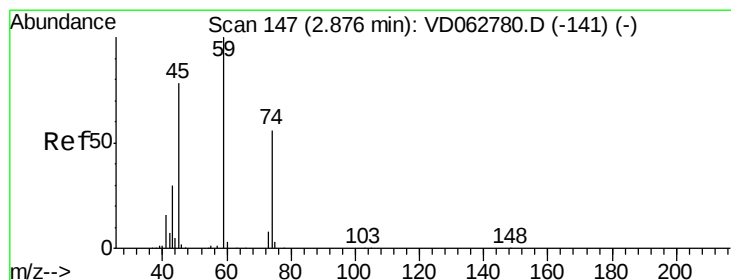
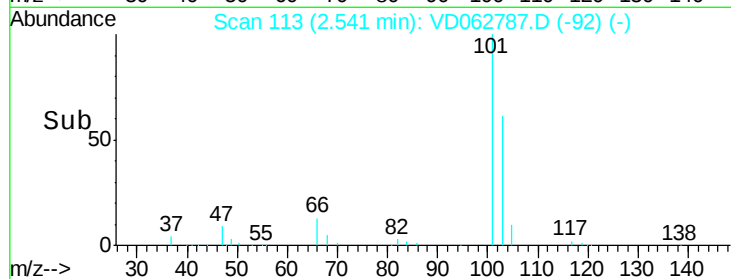
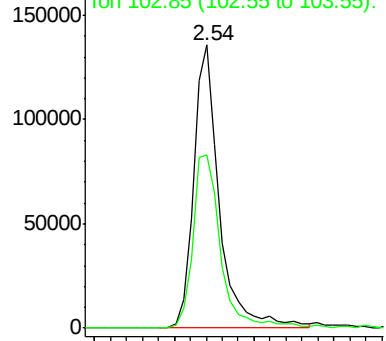
Trichlorofluoromethane
 Concen: 16.335 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD062787.D
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Tot Ion:101 Resp: 308147
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.8 77.8



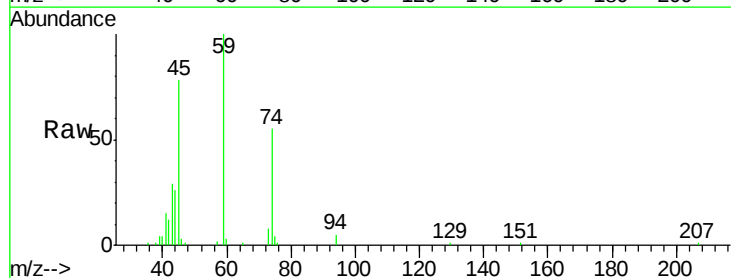
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



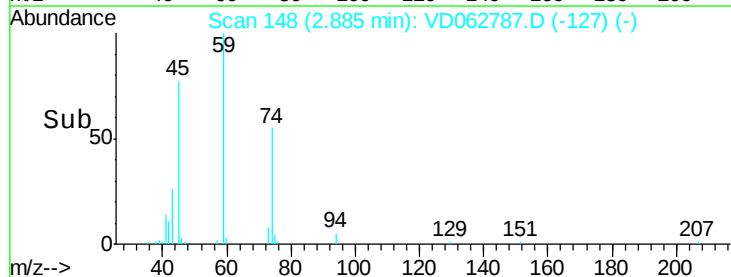
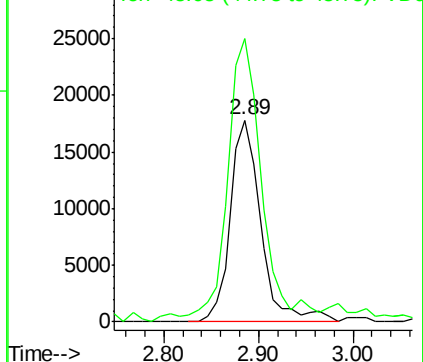
#8

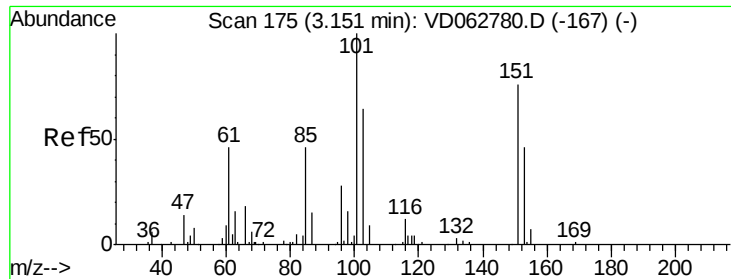
Diethyl Ether
 Concen: 16.678 ug/l
 RT: 2.89 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062787.D
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Tgt Ion: 74 Resp: 39975
 Ion Ratio Lower Upper
 74 100
 45 140.4 70.2 210.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.430 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

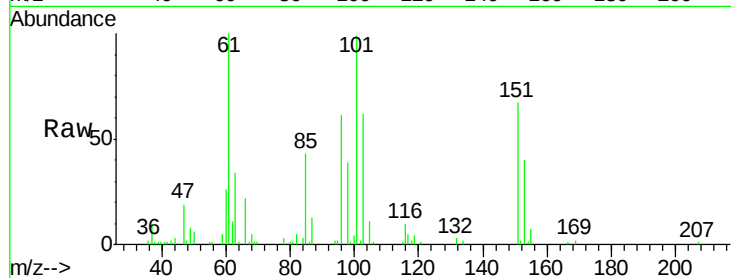
Tot Ion:101 Resp: 178137

Ion Ratio Lower Upper

101 100

85 43.5 37.0 55.4

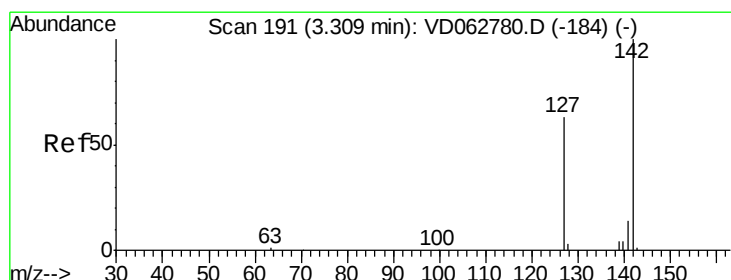
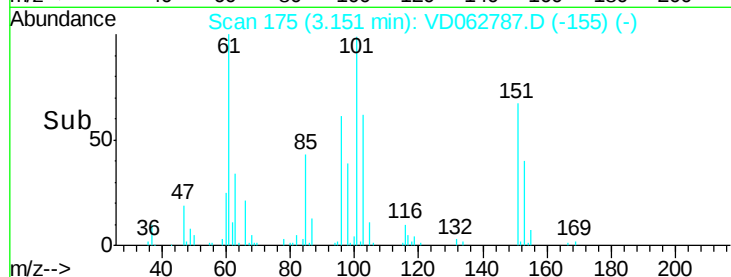
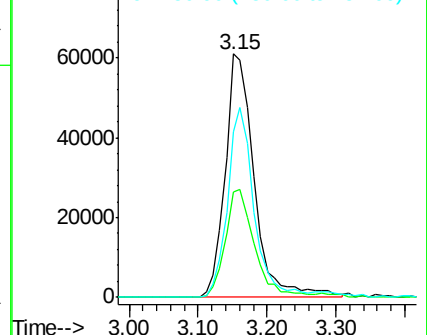
151 68.0 60.5 90.7



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: 14.182 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

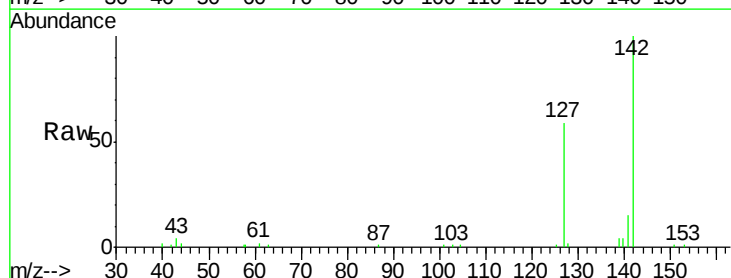
Tgt Ion:142 Resp: 191215

Ion Ratio Lower Upper

142 100

127 59.1 50.1 75.1

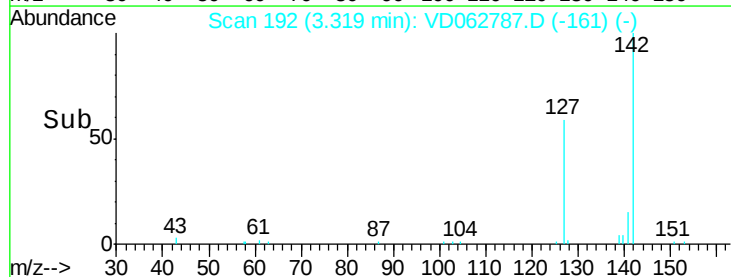
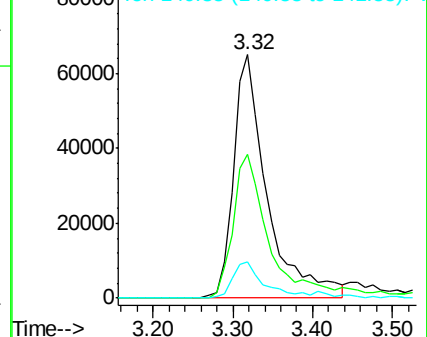
141 14.9 11.0 16.4



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

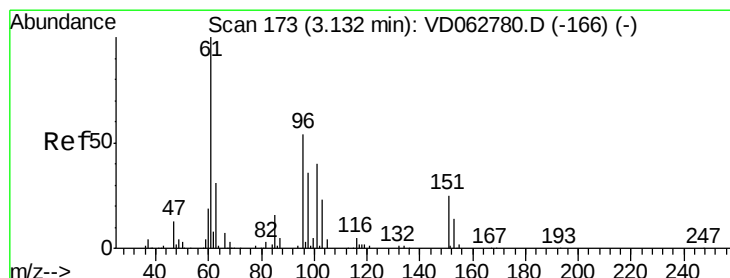
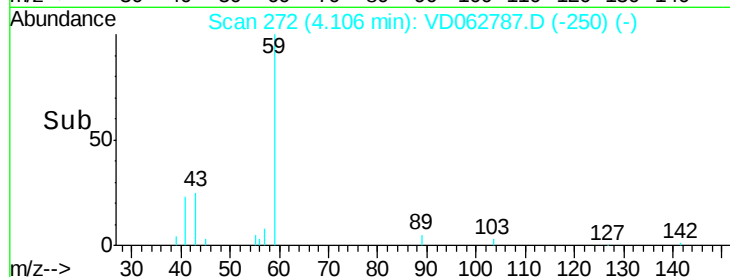
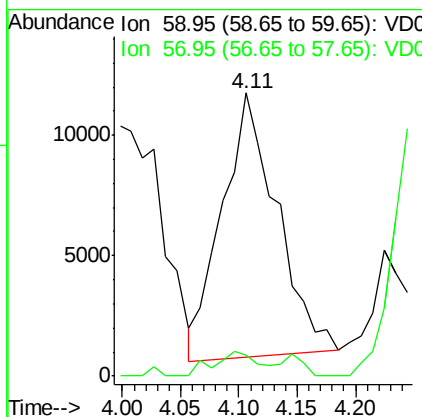
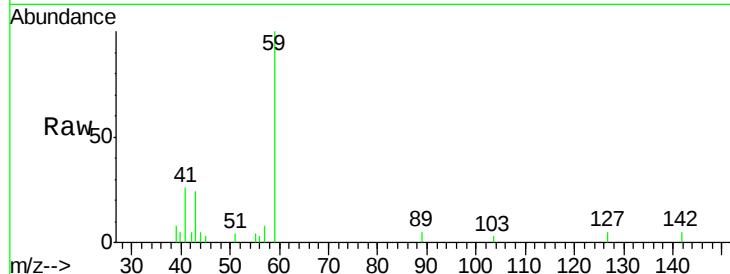




#11
Tert butyl alcohol
Concen: 75.074 ug/l
RT: 4.11 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

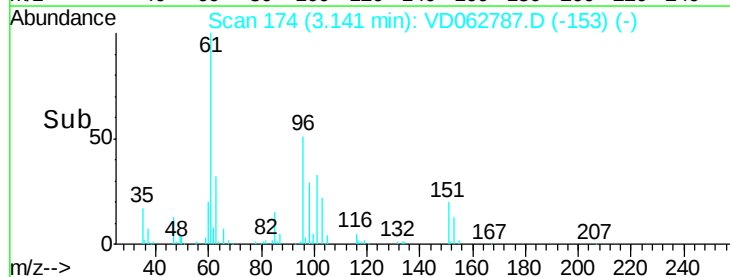
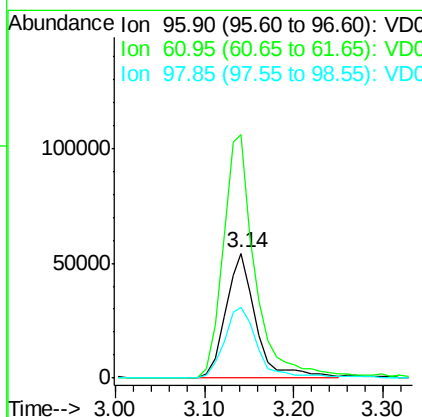
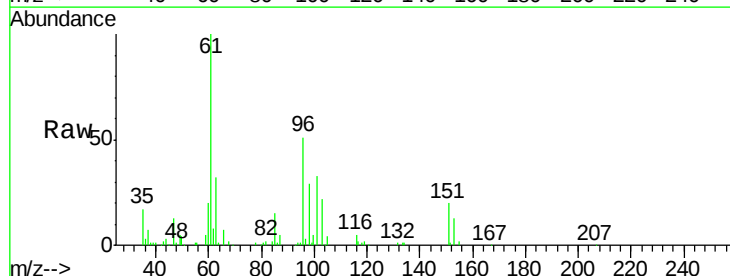
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

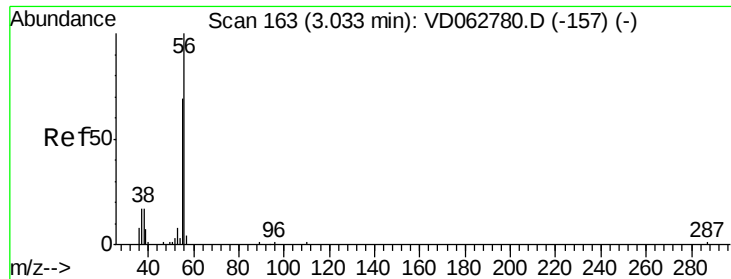
Tot Ion: 59 Resp: 35904
Ion Ratio Lower Upper
59 100
57 7.6 6.6 10.0



#12
1,1-Dichloroethene
Concen: 16.821 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion: 96 Resp: 128963
Ion Ratio Lower Upper
96 100
61 194.9 147.1 220.7
98 56.3 52.6 79.0





#13

Acrolein

Concen: 91.003 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

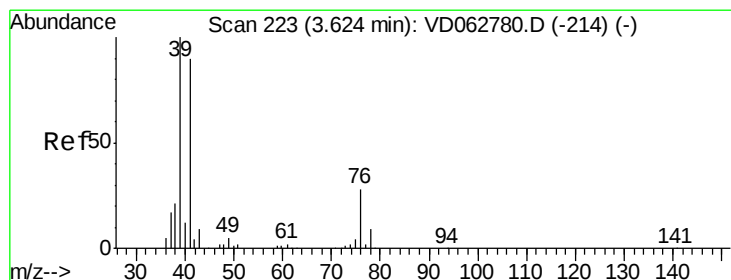
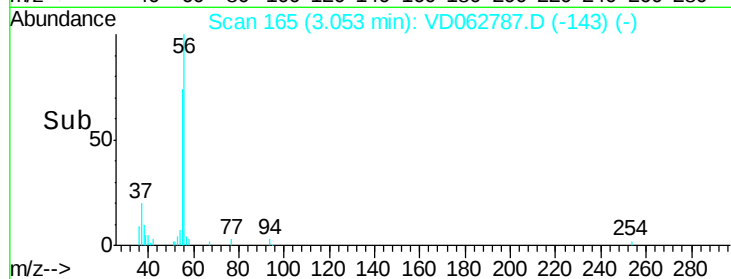
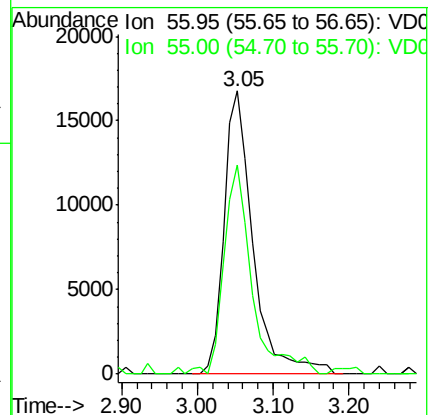
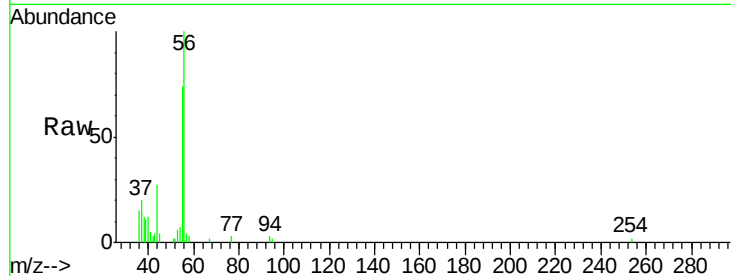
VD0620SBS01

Tot Ion: 56 Resp: 44431

Ion Ratio Lower Upper

56 100

55 74.0 55.4 83.0



#14

Allyl chloride

Concen: 16.668 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

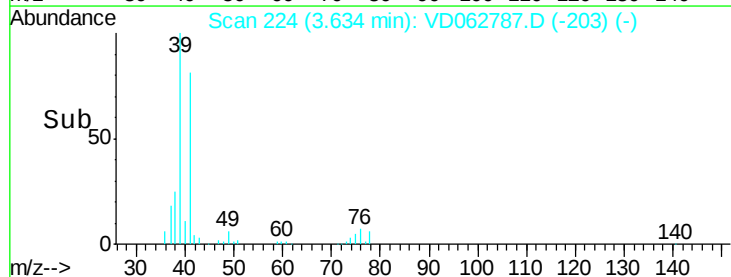
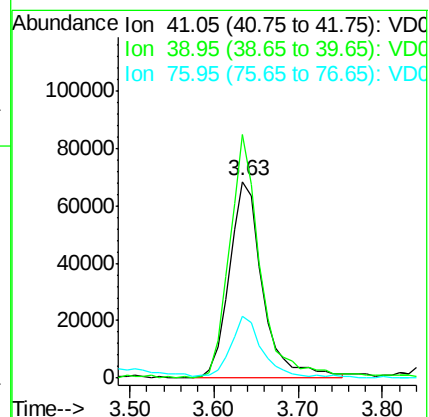
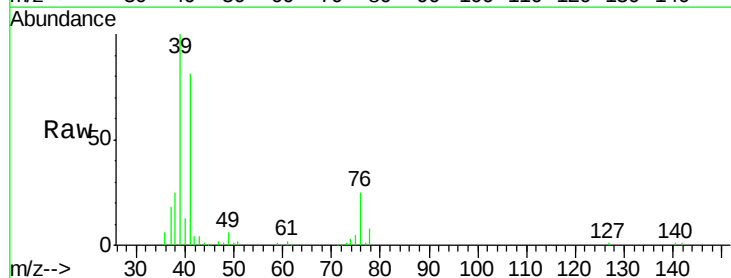
Tgt Ion: 41 Resp: 188820

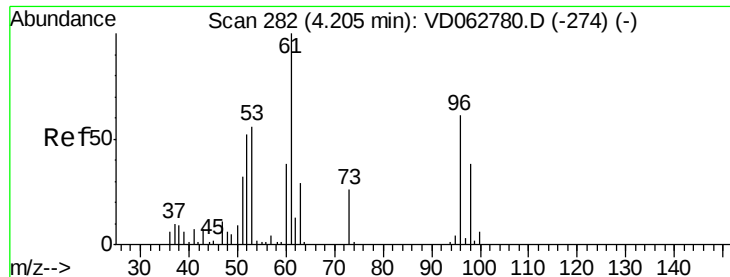
Ion Ratio Lower Upper

41 100

39 123.8 88.8 133.2

76 31.5 26.7 40.1





#15

Acrylonitrile

Concen: 78.460 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

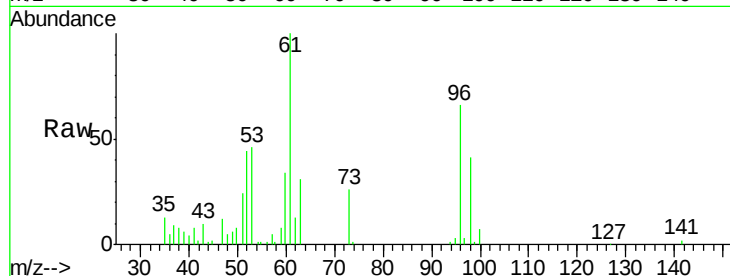
Tot Ion: 53 Resp: 88170

Ion Ratio Lower Upper

53 100

52 93.9 73.3 109.9

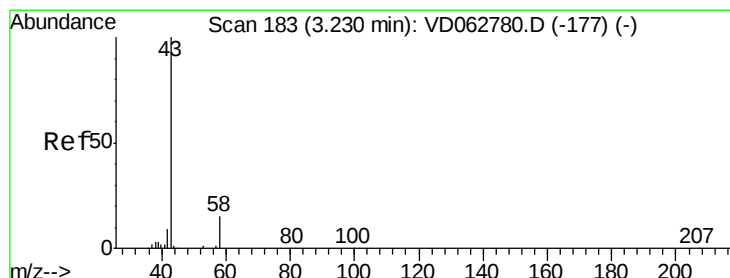
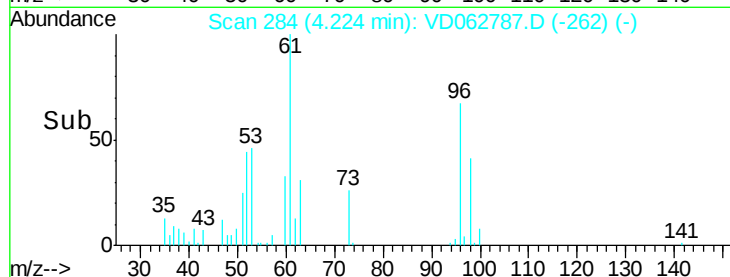
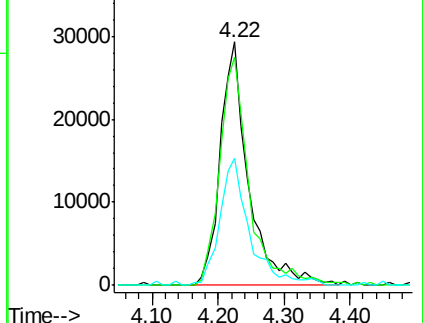
51 52.5 44.8 67.2



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: 71.236 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062787.D

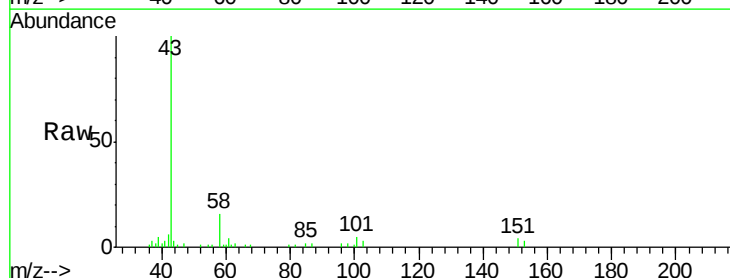
Acq: 20 Jun 2019 12:10

Tgt Ion: 43 Resp: 162345

Ion Ratio Lower Upper

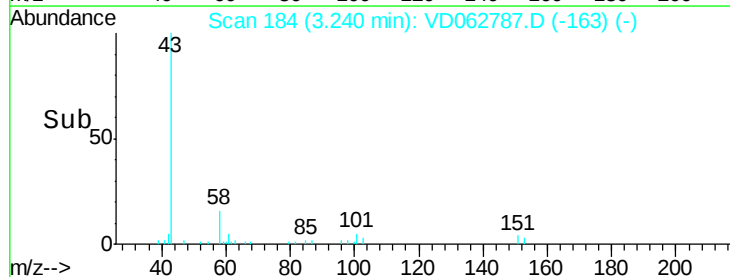
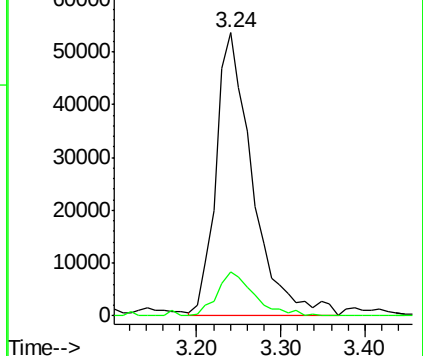
43 100

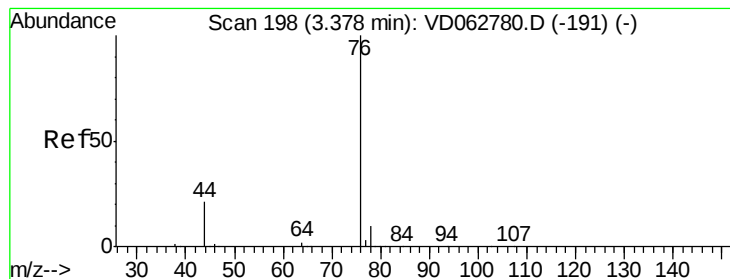
58 15.5 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 16.545 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

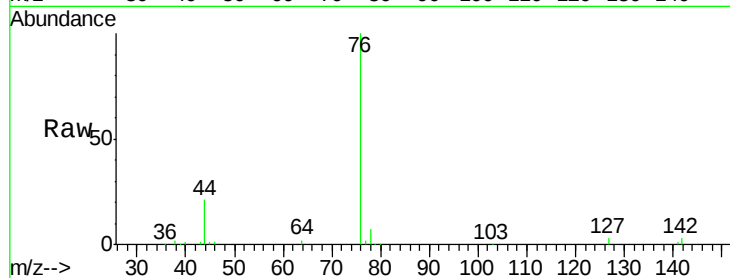
VD0620SBS01

Tot Ion: 76 Resp: 405406

Ion Ratio Lower Upper

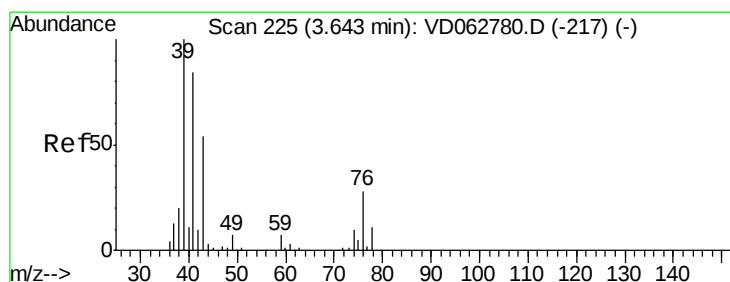
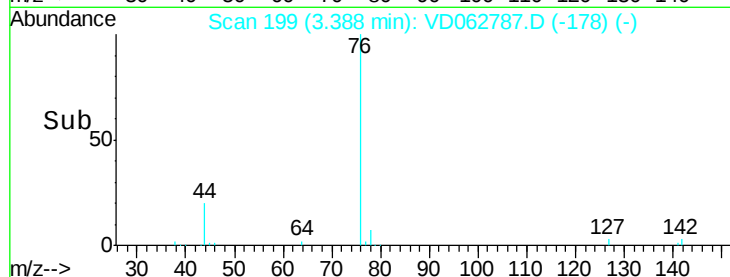
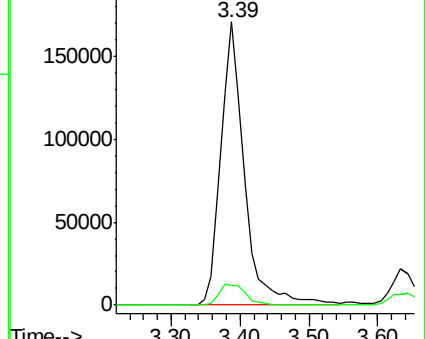
76 100

78 7.2 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: 18.716 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD062787.D

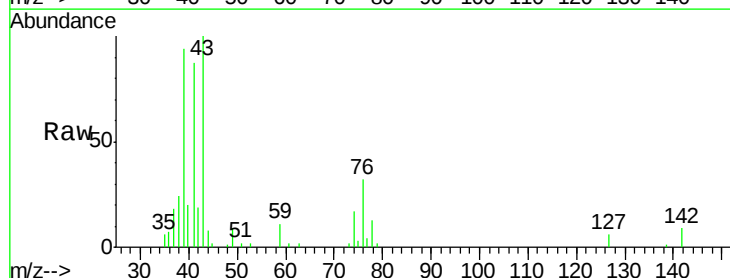
Acq: 20 Jun 2019 12:10

Tgt Ion: 43 Resp: 59329

Ion Ratio Lower Upper

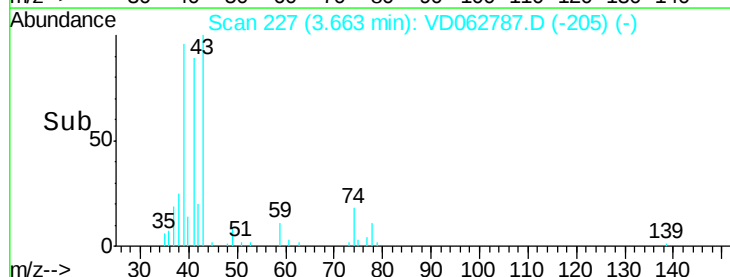
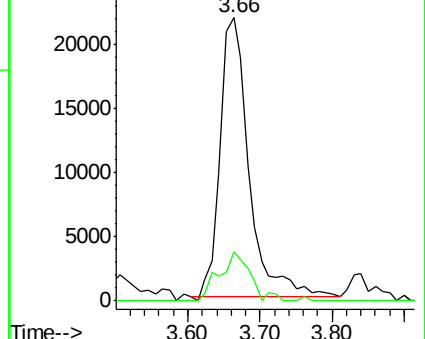
43 100

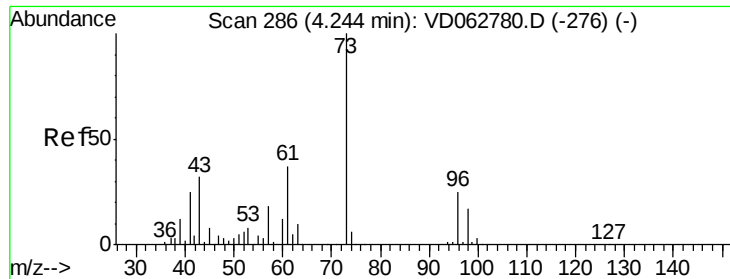
74 17.3 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

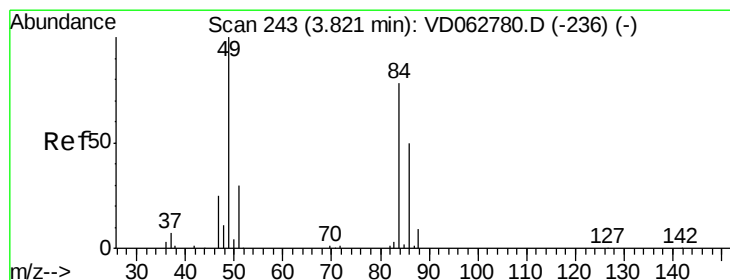
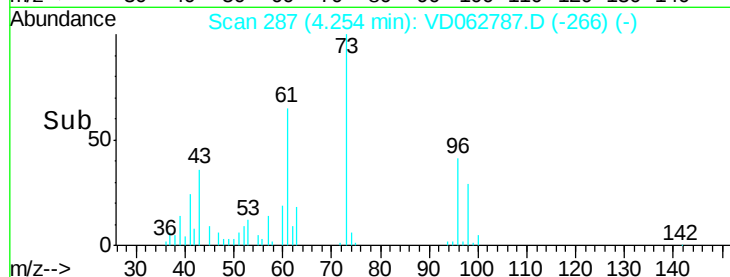
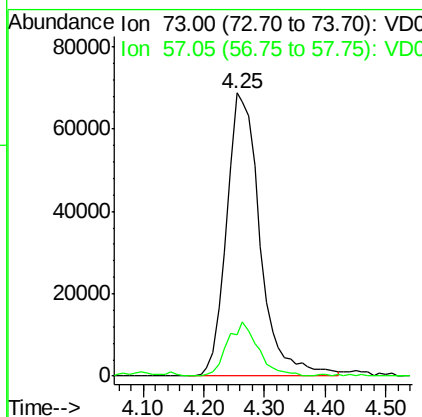
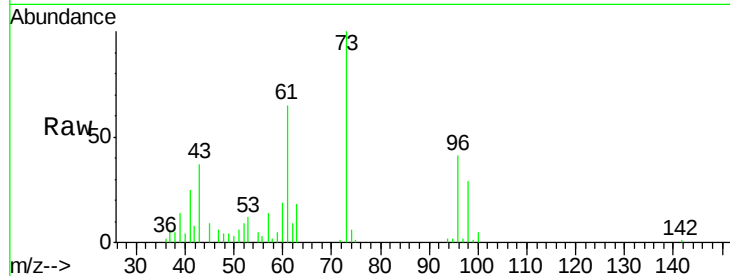




#19
Methvl tert-butvl Ether
Concen: 15.912 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

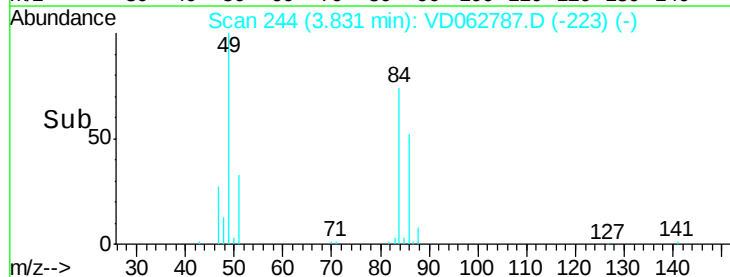
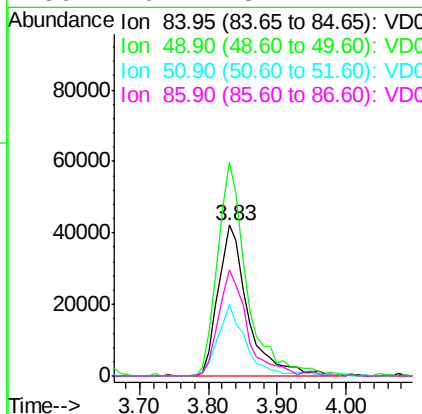
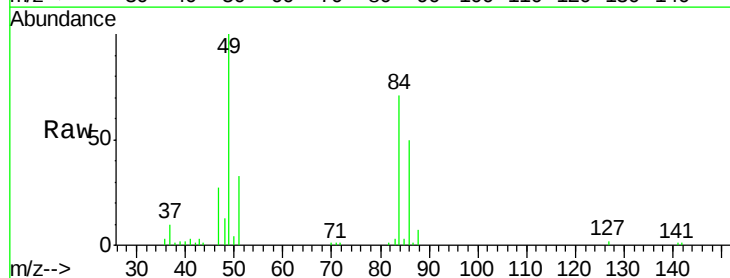
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion: 73 Resp: 264101
Ion Ratio Lower Upper
73 100
57 14.5 14.3 21.5



#20
Methylene Chloride
Concen: 15.925 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion: 84 Resp: 127530
Ion Ratio Lower Upper
84 100
49 141.6 102.9 154.3
51 47.2 31.2 46.8#
86 70.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 16.994 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

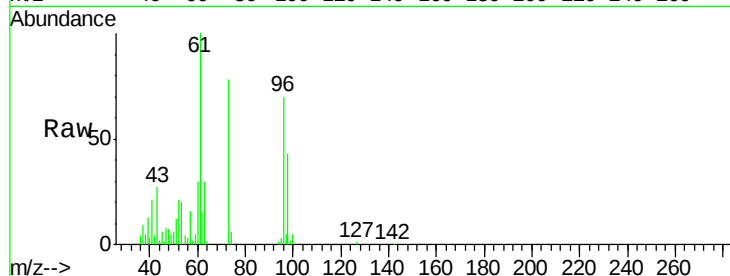
Tot Ion: 96 Resp: 138730

Ion Ratio Lower Upper

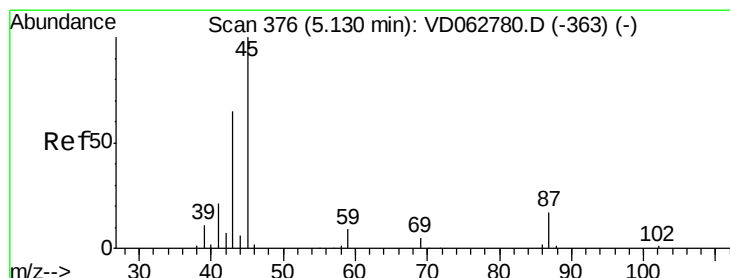
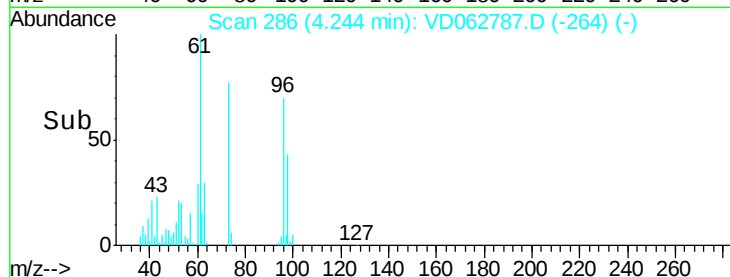
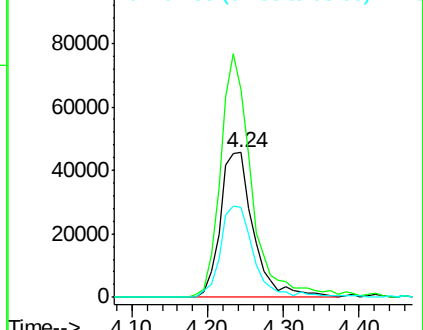
96 100

61 143.7 131.0 196.4

98 61.8 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: 16.715 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Tgt Ion: 45 Resp: 385090

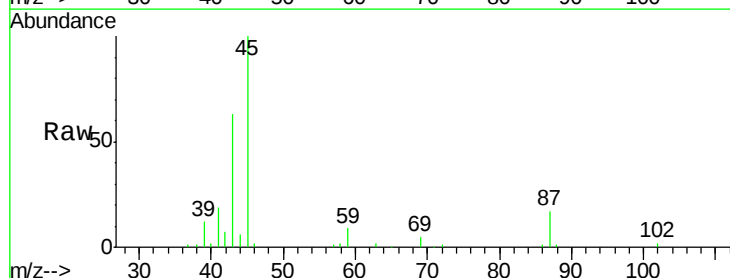
Ion Ratio Lower Upper

45 100

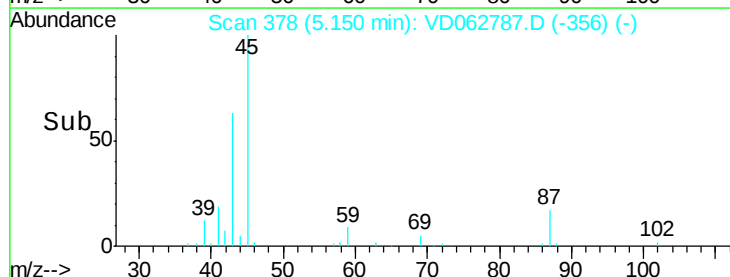
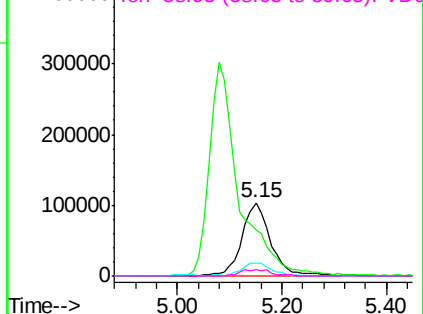
43 62.6 53.4 80.0

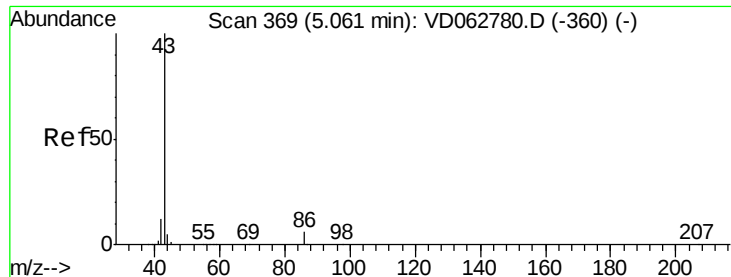
87 17.0 14.6 22.0

59 8.8 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: 81.356 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

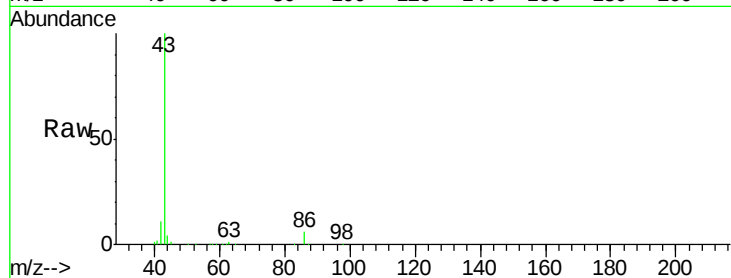
VD0620SBS01

Tot Ion: 43 Resp: 1172821

Ion Ratio Lower Upper

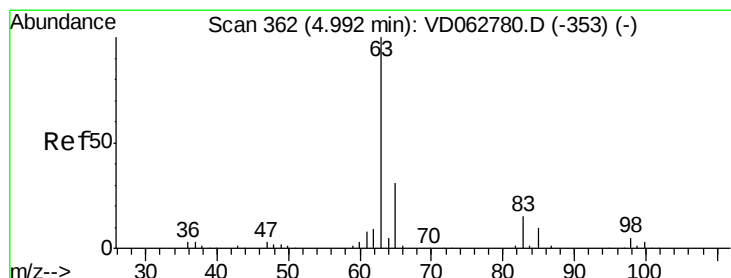
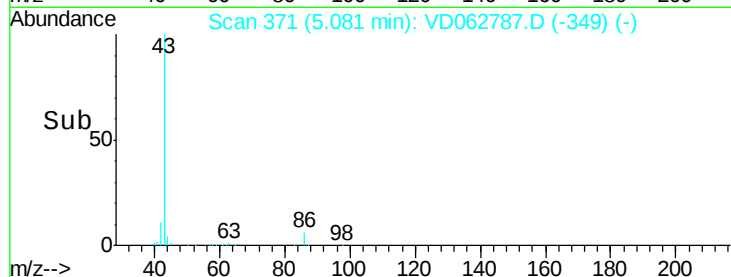
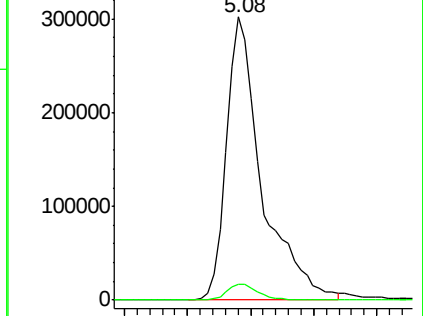
43 100

86 5.7 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 15.912 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

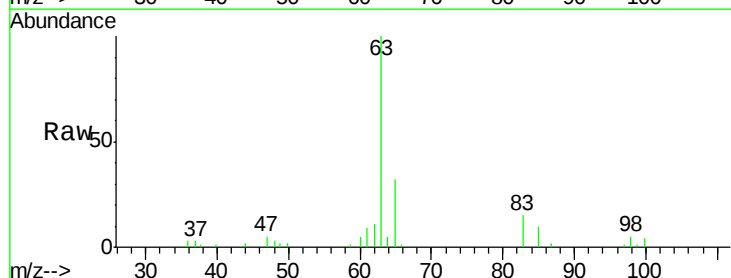
Tgt Ion: 63 Resp: 238678

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

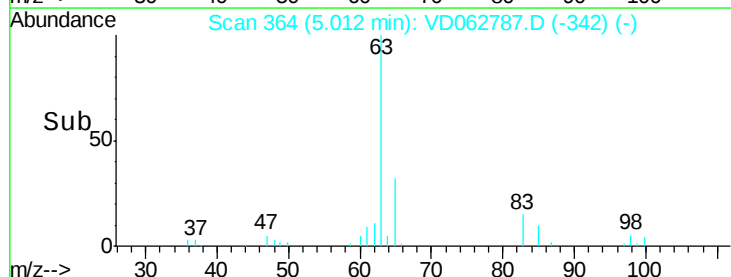
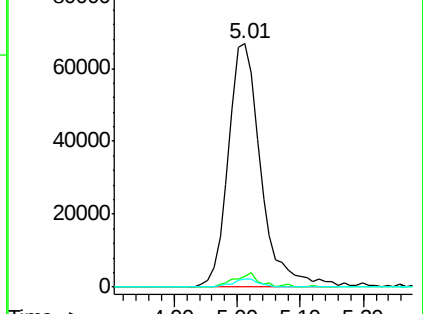
100 3.5 1.7 5.1

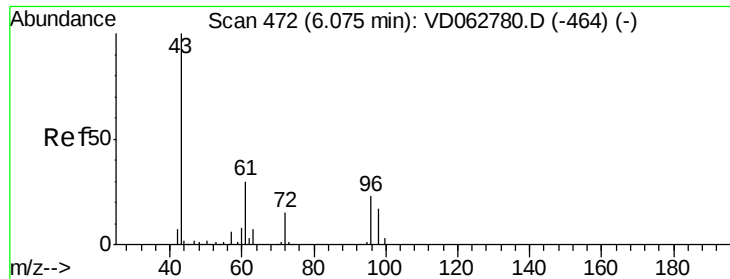


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 80.706 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

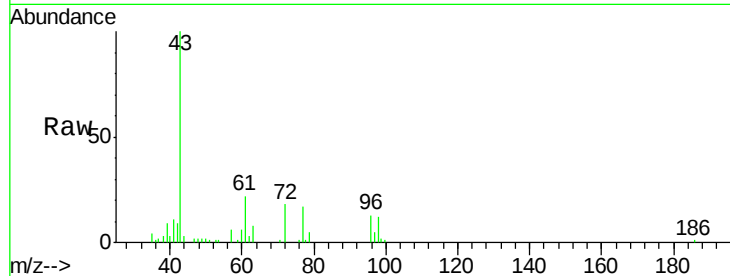
VD0620SBS01

Tot Ion: 43 Resp: 158501

Ion Ratio Lower Upper

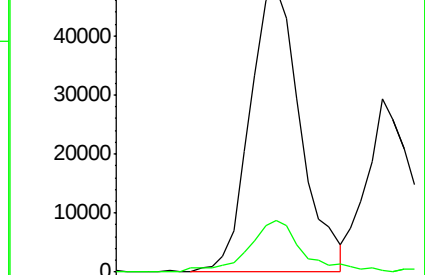
43 100

72 18.1 11.9 17.9#

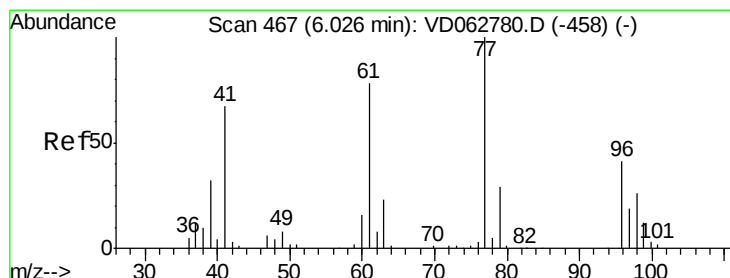
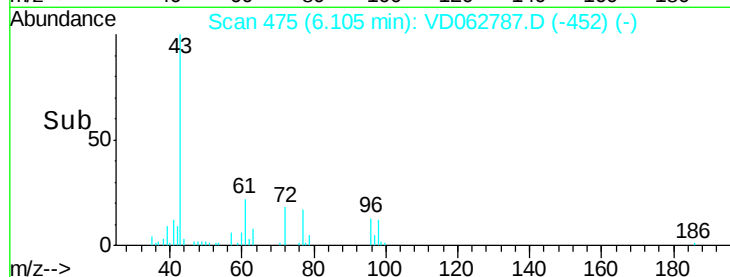


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 17.457 ug/l

RT: 6.05 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD062787.D

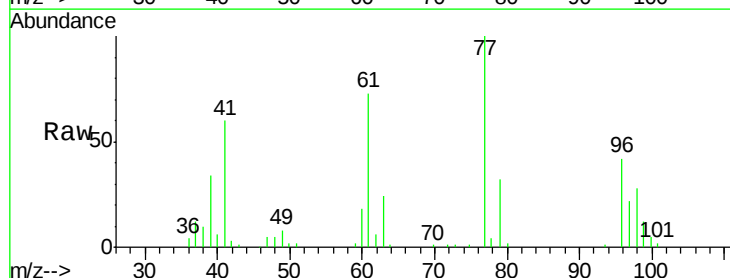
Acq: 20 Jun 2019 12:10

Tgt Ion: 77 Resp: 277554

Ion Ratio Lower Upper

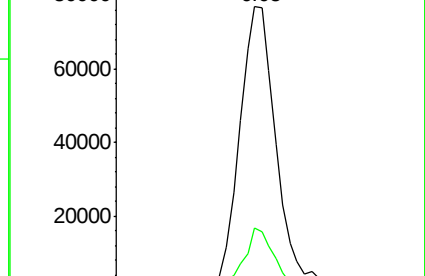
77 100

97 21.9 9.5 28.5

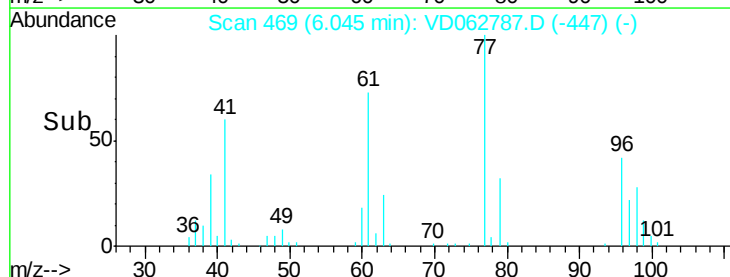


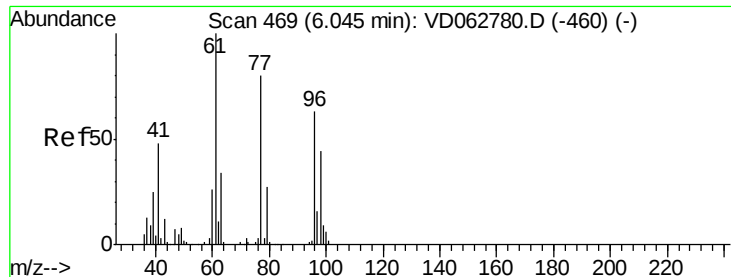
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



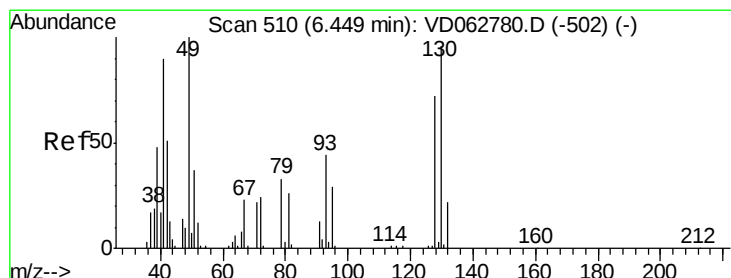
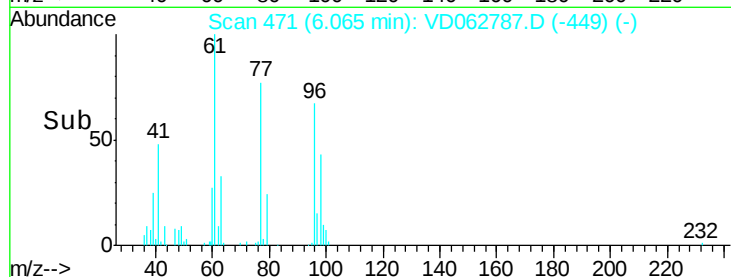
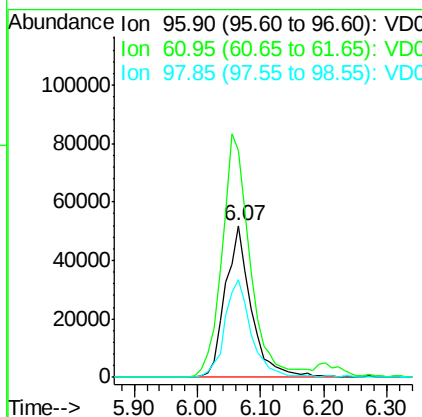
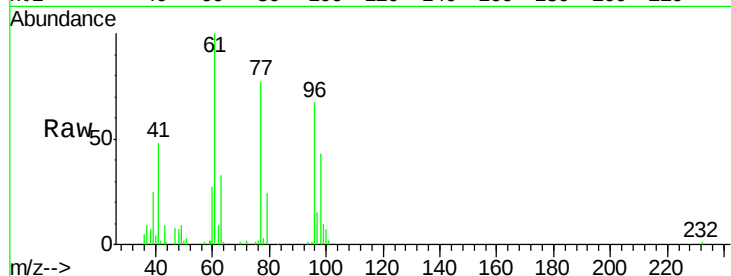


#27

cis-1,2-Dichloroethene
Concen: 17.094 ug/l
RT: 6.07 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

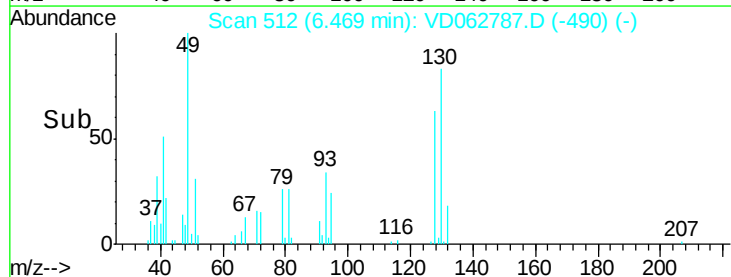
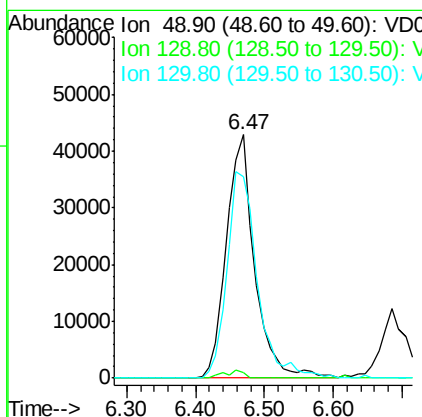
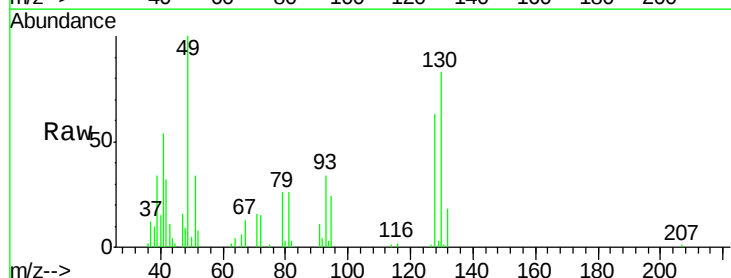
Tot Ion: 96 Resp: 147565
Ion Ratio Lower Upper
96 100
61 149.2 0.0 316.0
98 64.2 0.0 138.4

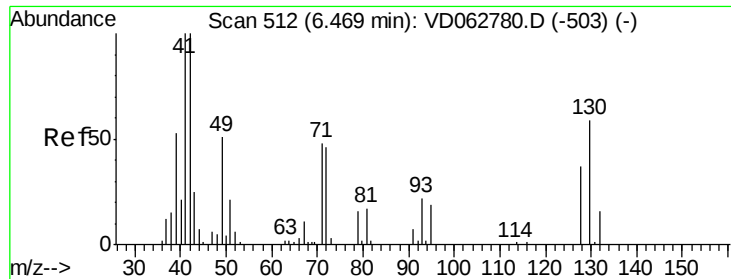


#28

Bromochloromethane
Concen: 23.075 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion: 49 Resp: 121903
Ion Ratio Lower Upper
49 100
129 2.5 0.0 5.6
130 82.8 76.6 114.8





#29

Tetrahydrofuran

Concen: 80.270 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

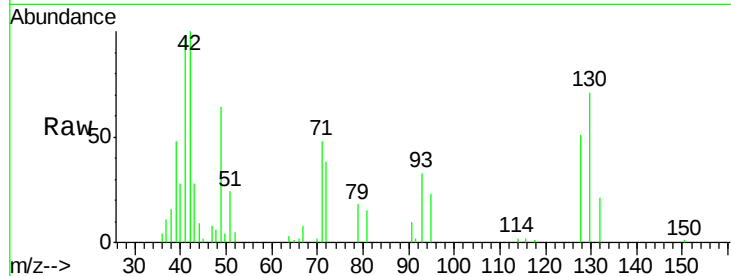
Tot Ion: 42 Resp: 74588

Ion Ratio Lower Upper

42 100

72 42.0 35.0 52.6

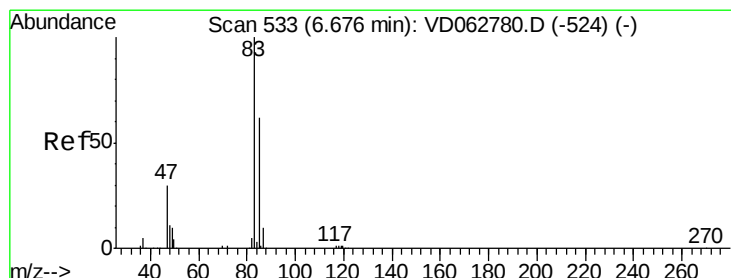
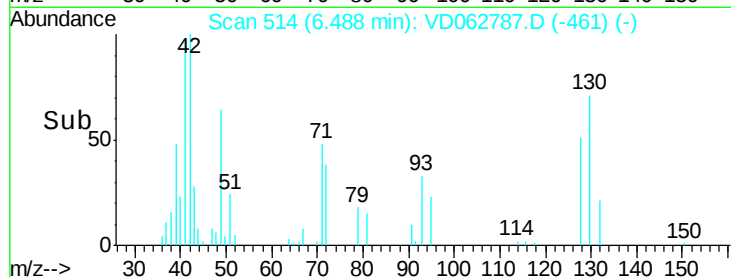
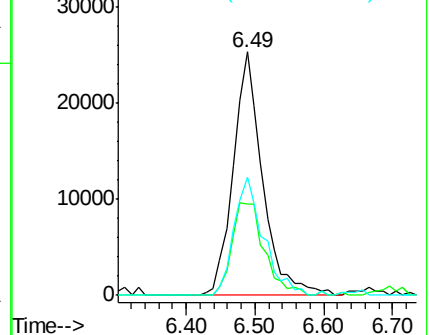
71 48.4 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 16.465 ug/l

RT: 6.69 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD062787.D

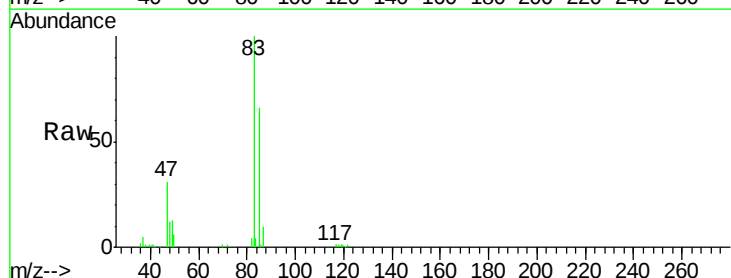
Acq: 20 Jun 2019 12:10

Tgt Ion: 83 Resp: 300348

Ion Ratio Lower Upper

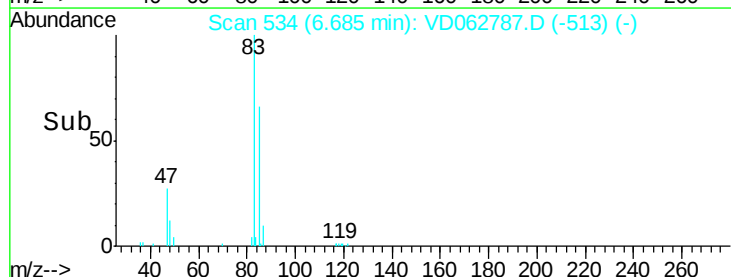
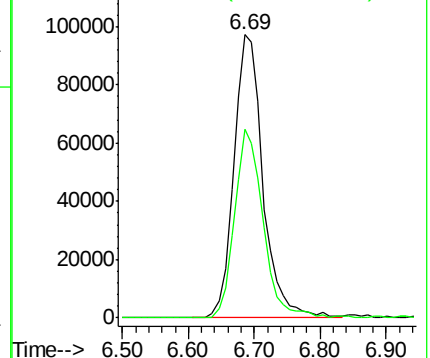
83 100

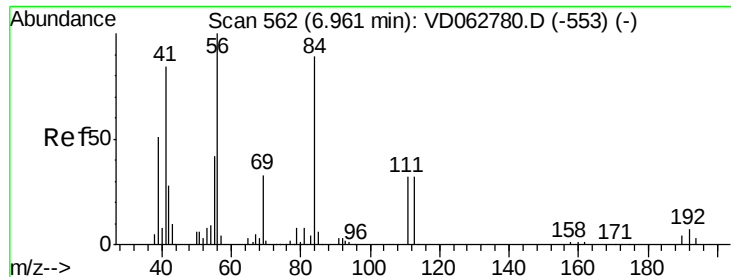
85 66.4 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

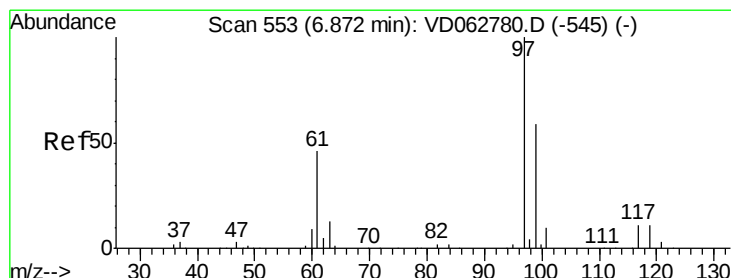
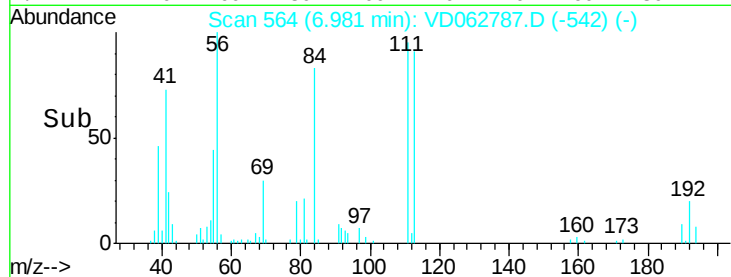
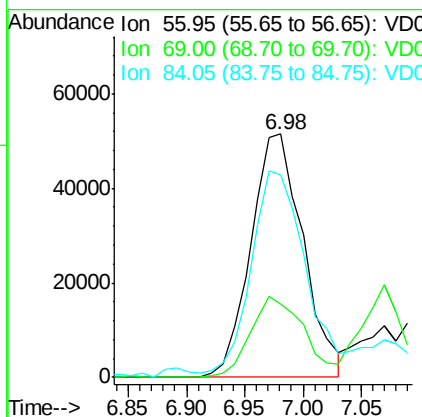
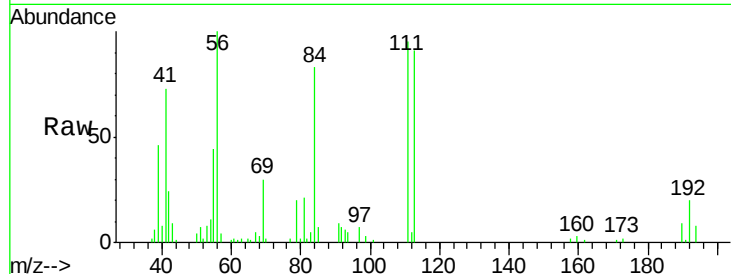




#31
Cyclohexane
Concen: 16.208 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

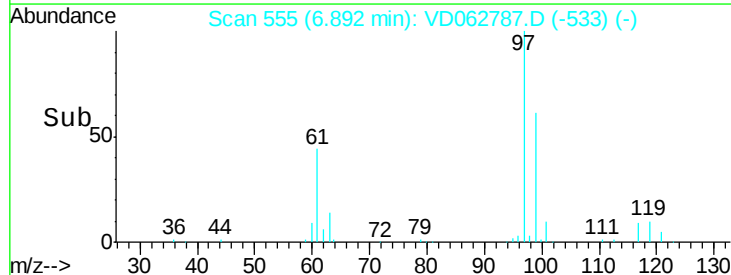
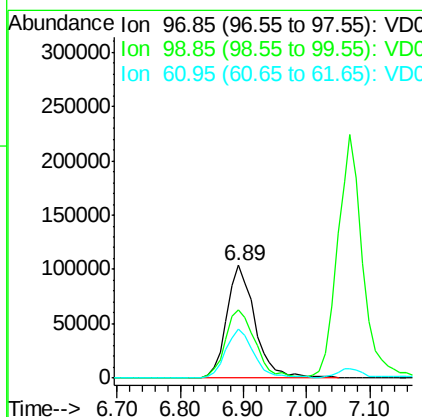
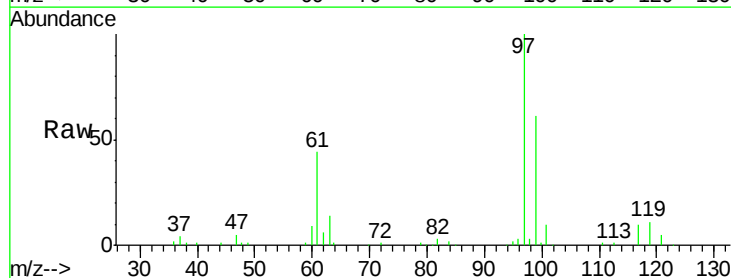
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion: 56 Resp: 159827
Ion Ratio Lower Upper
56 100
69 30.3 26.6 39.8
84 83.4 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 16.878 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion: 97 Resp: 320687
Ion Ratio Lower Upper
97 100
99 60.8 47.4 71.2
61 43.6 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 52.009 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

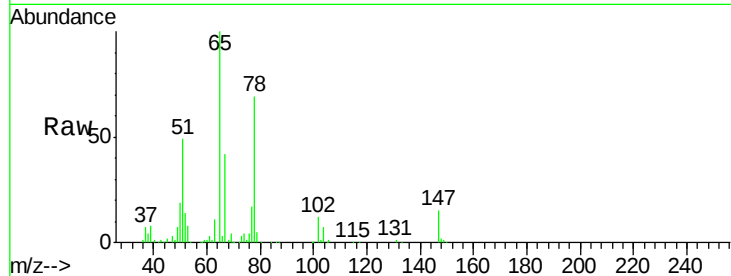
VD0620SBS01

Tot Ion: 65 Resp: 546127

Ion Ratio Lower Upper

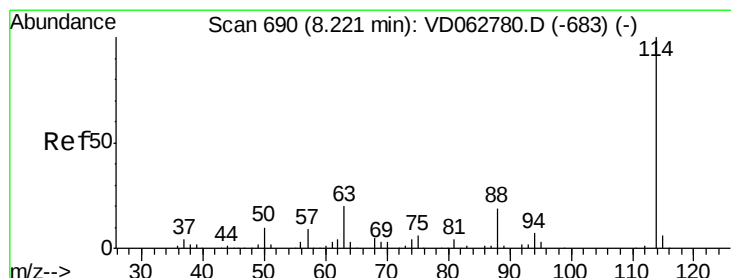
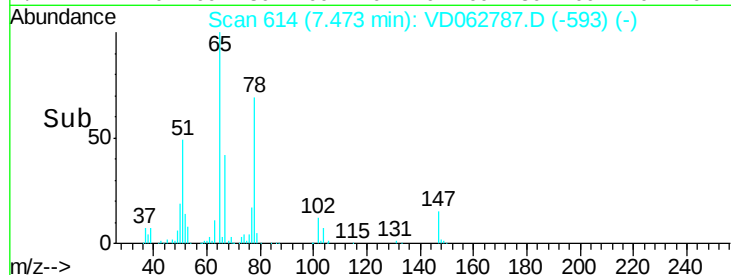
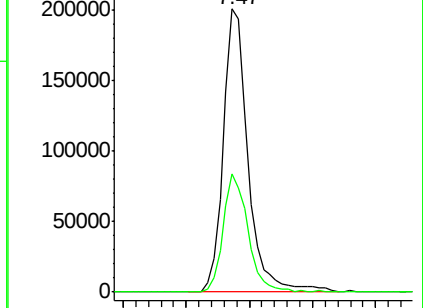
65 100

67 41.7 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: VD062787.D

Acq: 20 Jun 2019 12:10

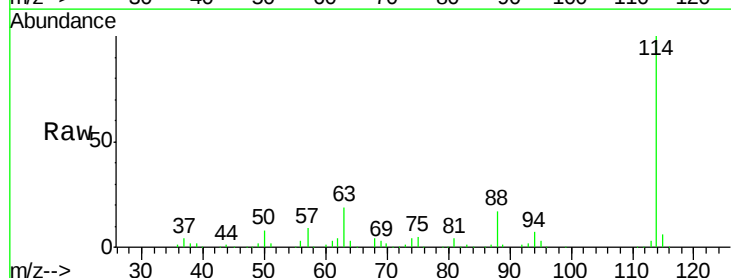
Tgt Ion: 114 Resp: 1296285

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

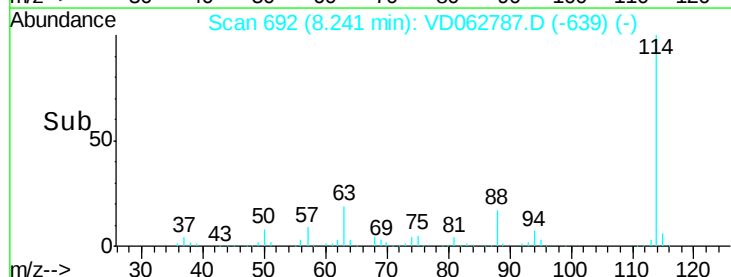
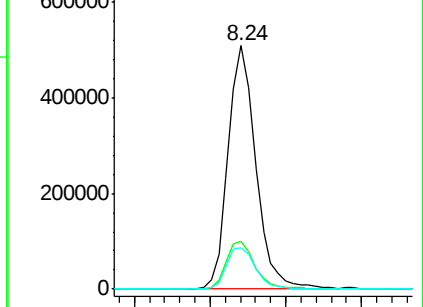
88 17.2 0.0 38.8

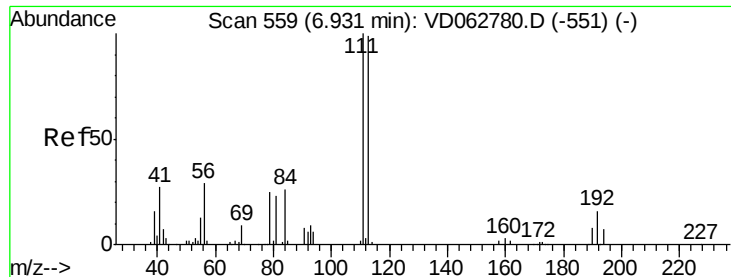


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

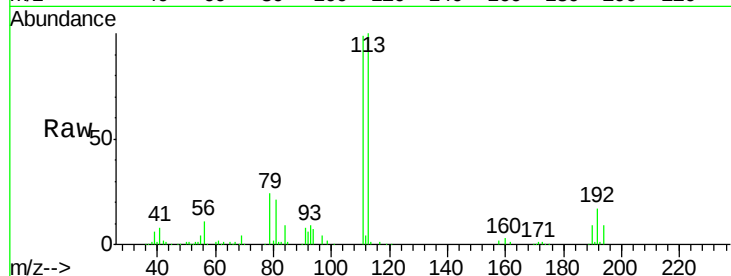




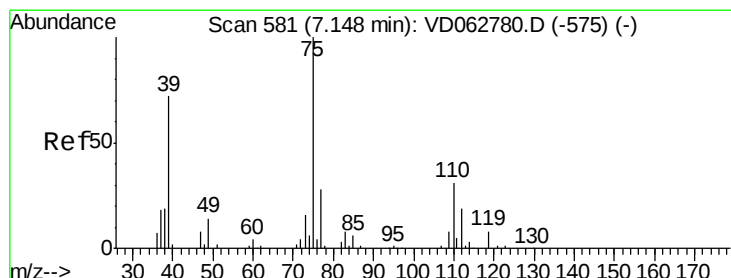
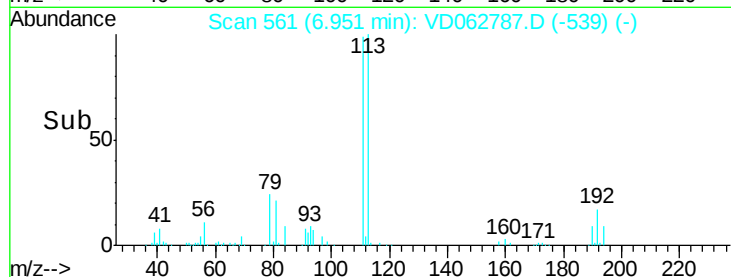
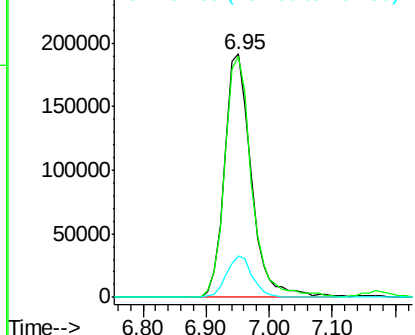
#35
 Dibromofluoromethane
 Concen: 51.686 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

Tot Ion:113 Resp: 564944
 Ion Ratio Lower Upper
 113 100
 111 99.1 81.2 121.8
 192 16.8 12.9 19.3

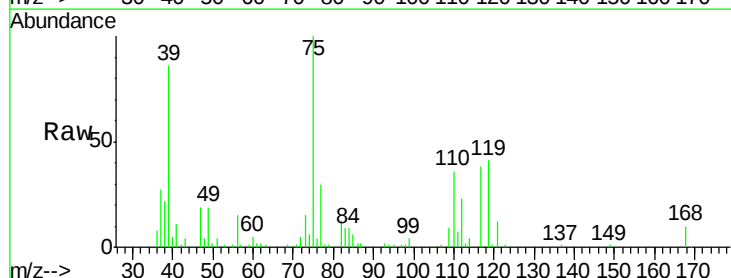


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

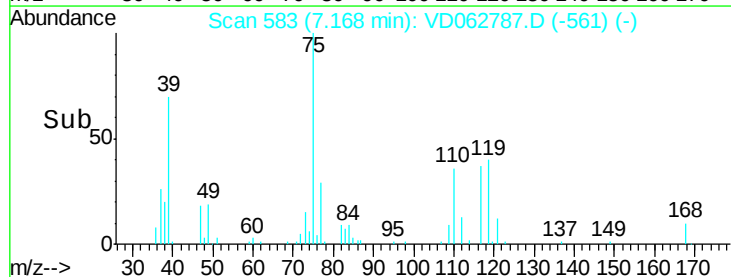
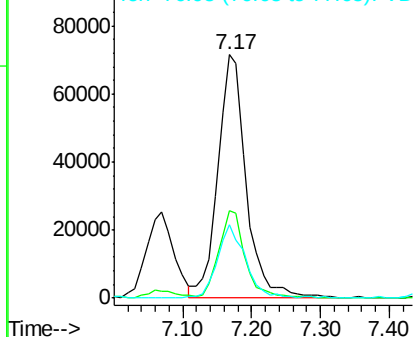


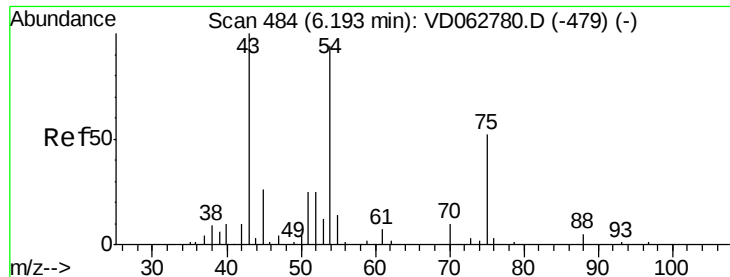
#36
 1,1-Dichloropropene
 Concen: 16.381 ug/l
 RT: 7.17 min Scan# 583
 Delta R.T. 0.02 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

Tgt Ion: 75 Resp: 201016
 Ion Ratio Lower Upper
 75 100
 110 35.7 15.0 45.1
 77 30.0 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

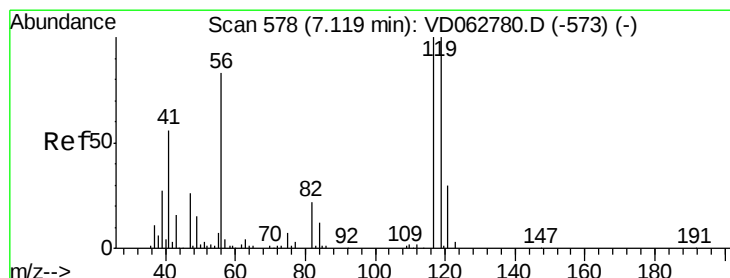
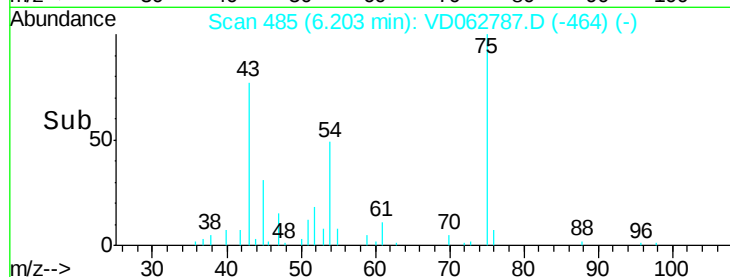
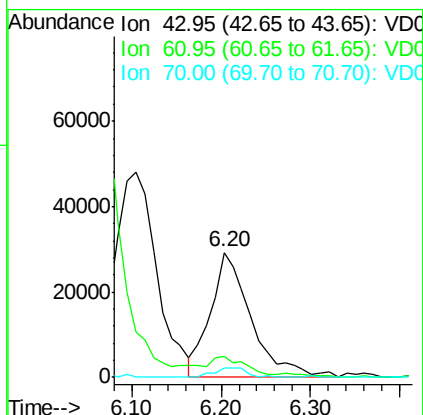
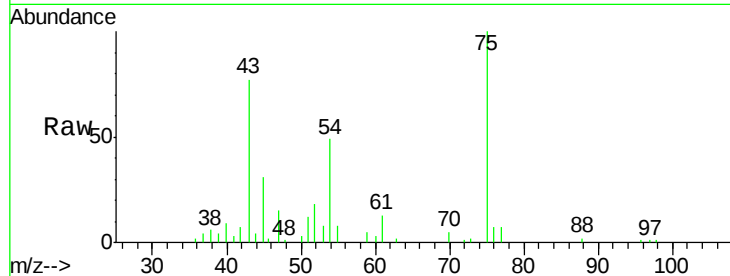




#37
Ethyl Acetate
Concen: 17.303 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

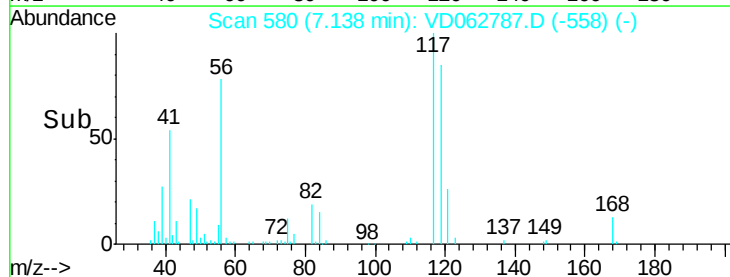
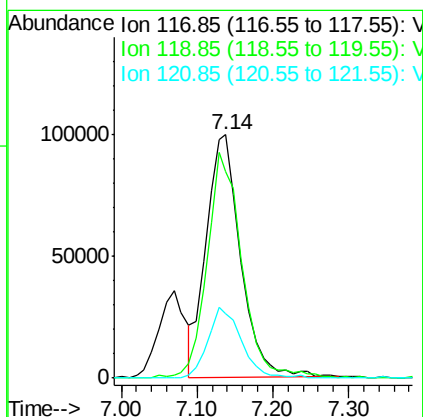
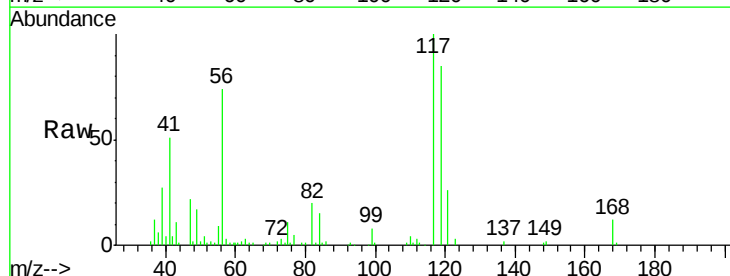
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

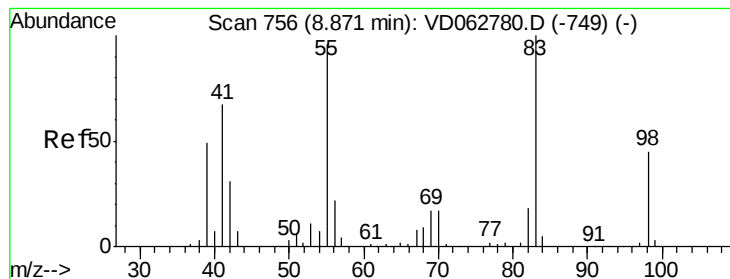
Tot Ion: 43 Resp: 92906
Ion Ratio Lower Upper
43 100
61 16.5 11.6 17.4
70 7.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 17.047 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion: 117 Resp: 314610
Ion Ratio Lower Upper
117 100
119 84.9 75.4 113.2
121 26.4 22.3 33.5





#39

Methvlcvclohexane

Concen: 16.535 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

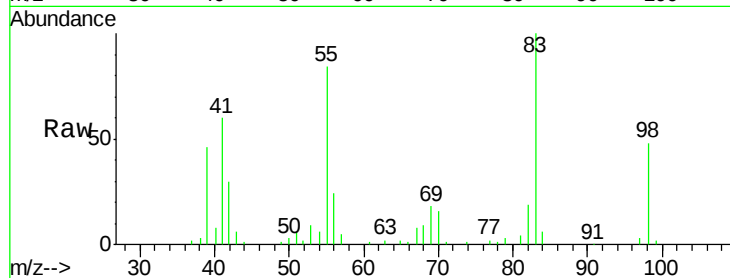
Tot Ion: 83 Resp: 178603

Ion Ratio Lower Upper

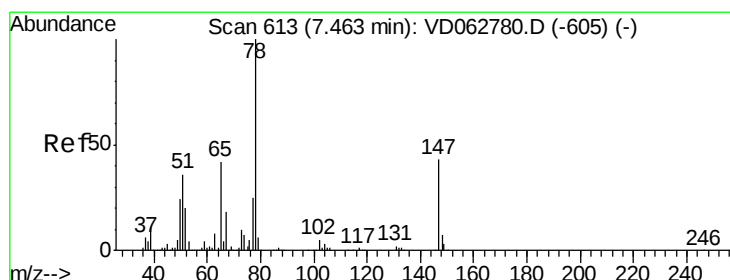
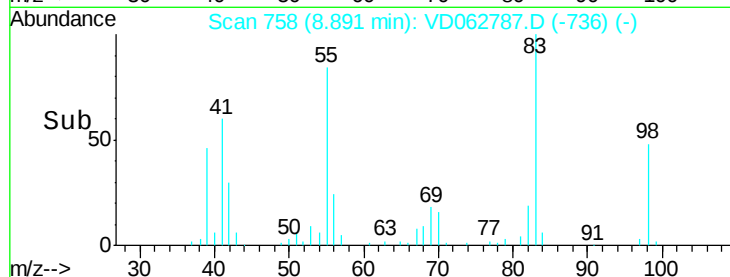
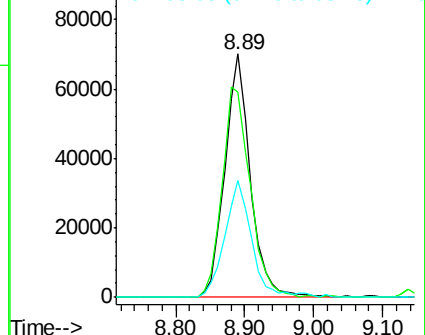
83 100

55 84.1 76.6 115.0

98 47.8 35.7 53.5



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



#40

Benzene

Concen: 16.924 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062787.D

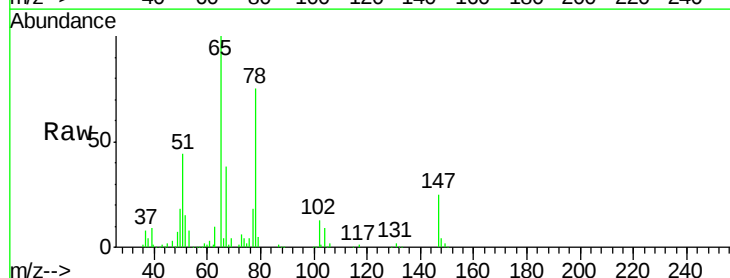
Acq: 20 Jun 2019 12:10

Tgt Ion: 78 Resp: 416865

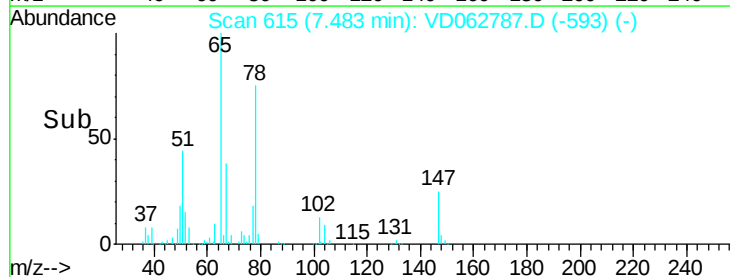
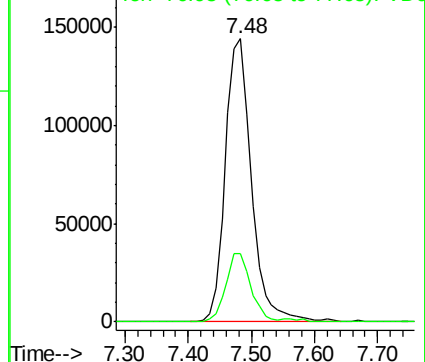
Ion Ratio Lower Upper

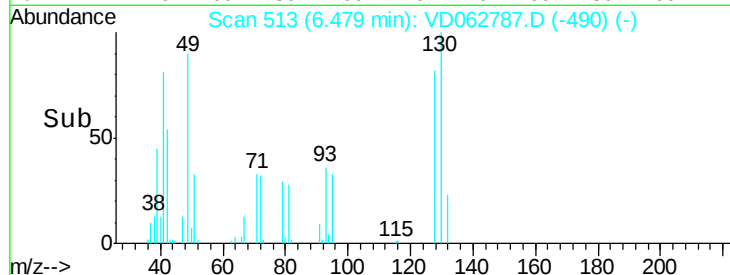
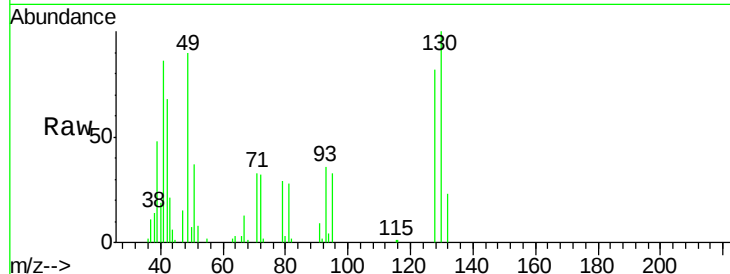
78 100

77 24.3 20.2 30.2



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

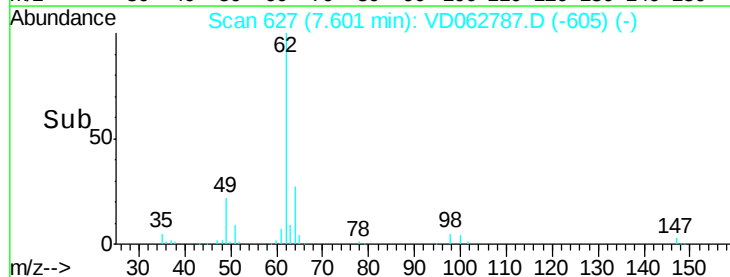
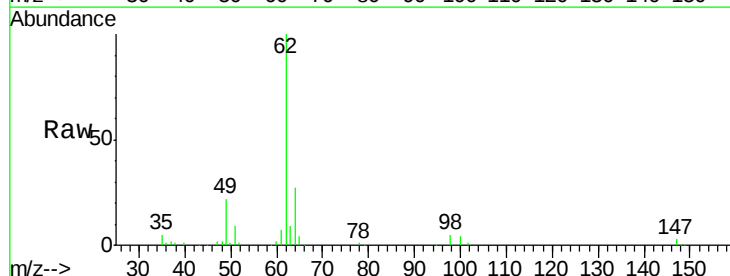
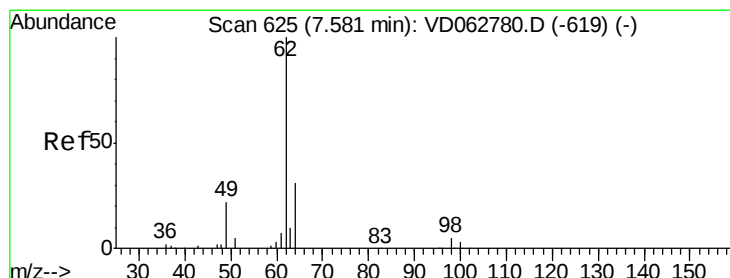
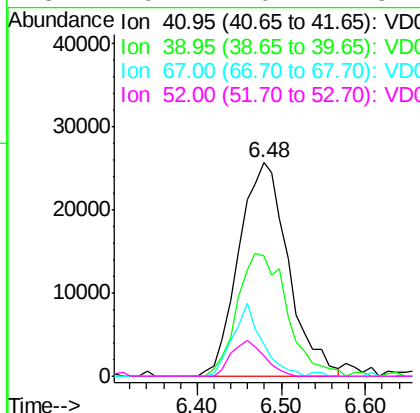




#41
Methacrylonitrile
Concen: 16.297 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

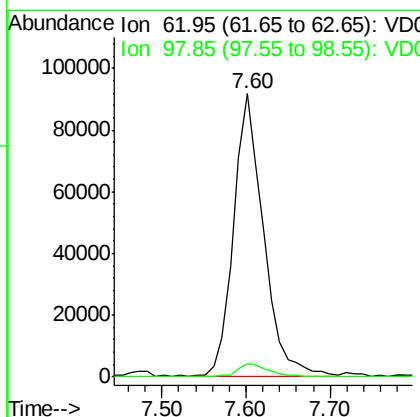
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion: 41 Resp: 105463
Ion Ratio Lower Upper
41 100
39 56.2 43.2 64.8
67 15.1 19.9 29.9#
52 9.7 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 17.039 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion: 62 Resp: 228964
Ion Ratio Lower Upper
62 100
98 4.7 0.0 10.0





#43

Isopropyl Acetate

Concen: 15.724 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

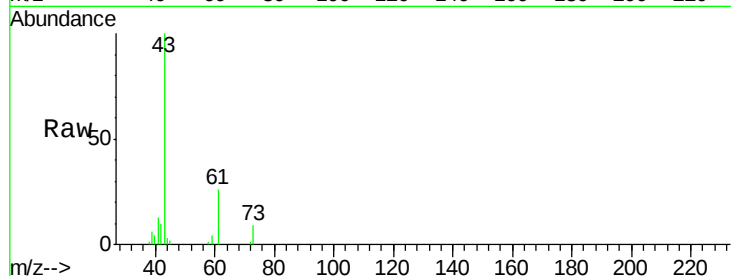
Tot Ion: 43 Resp: 101159

Ion Ratio Lower Upper

43 100

61 26.5 22.4 33.6

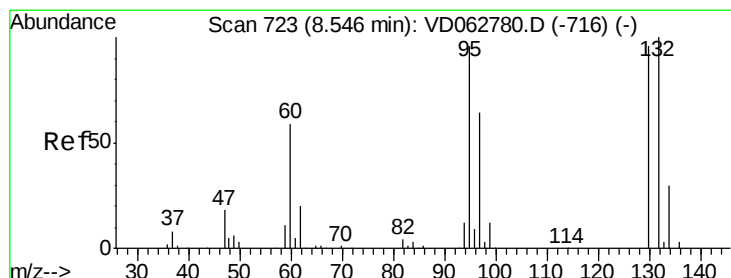
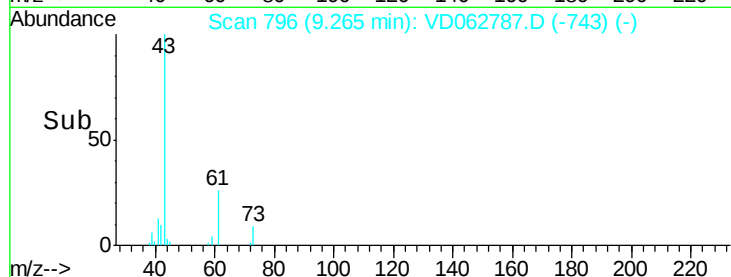
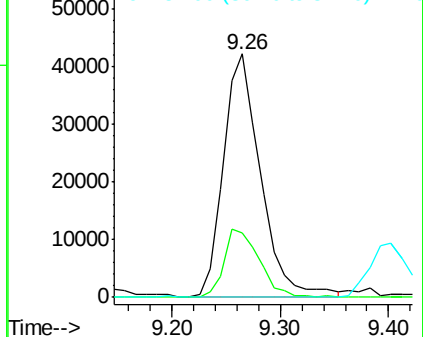
87 0.0 0.3 0.5#



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: 17.030 ug/l

RT: 8.57 min Scan# 725

Delta R.T. 0.02 min

Lab File: VD062787.D

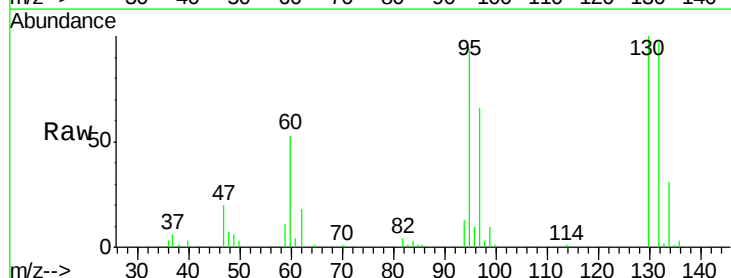
Acq: 20 Jun 2019 12:10

Tgt Ion: 130 Resp: 164456

Ion Ratio Lower Upper

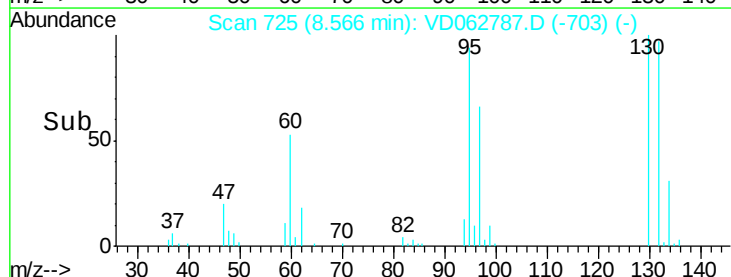
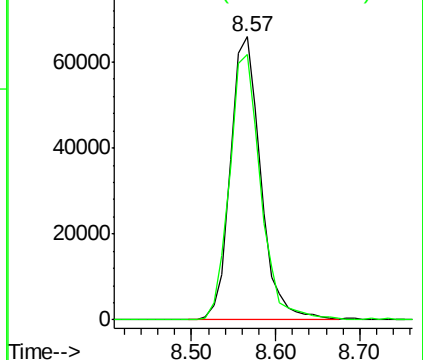
130 100

95 93.7 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

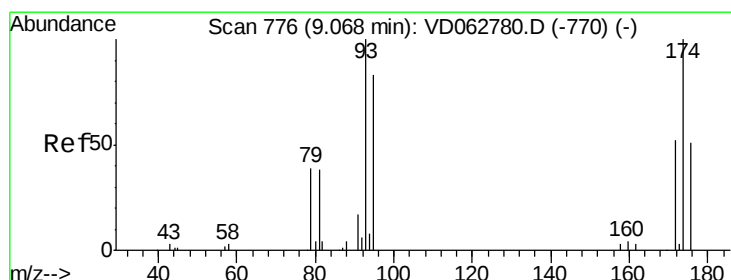
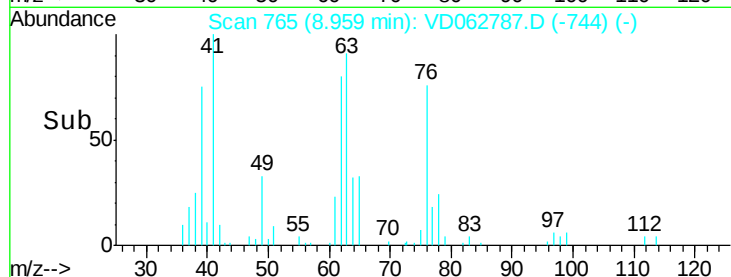
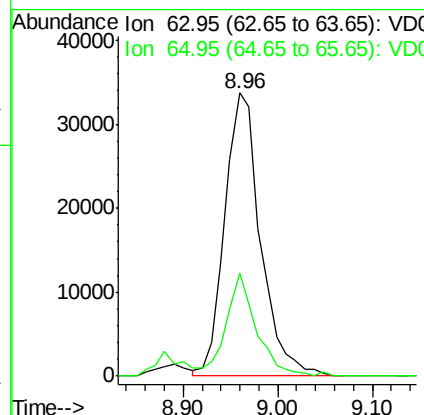
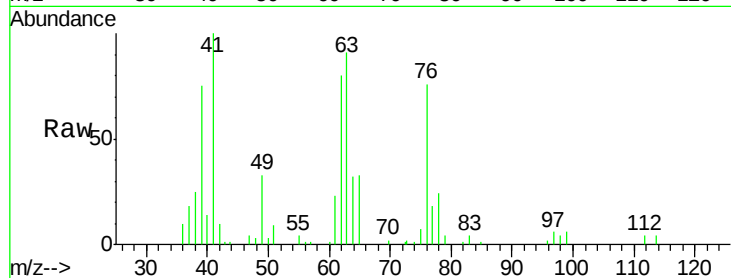




#45
 1,2-Dichloropropane
 Concen: 14.429 ug/l
 RT: 8.96 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

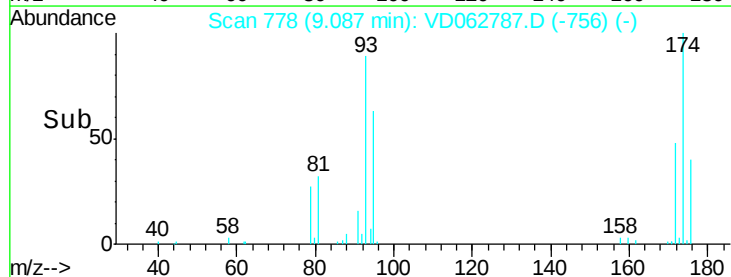
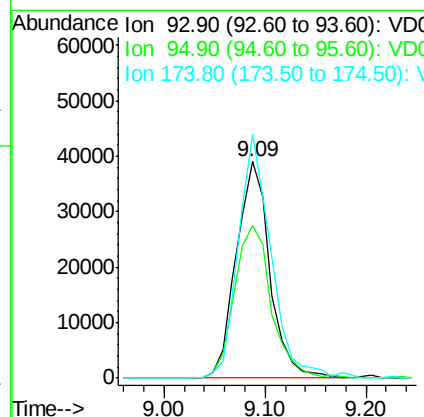
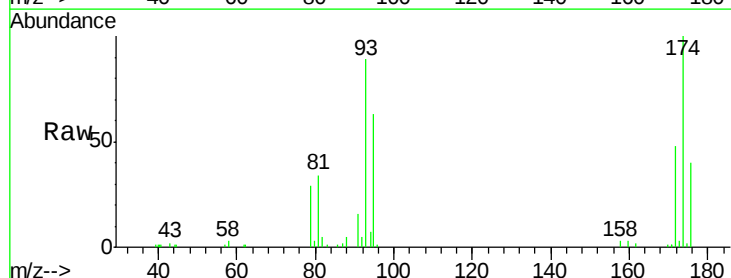
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

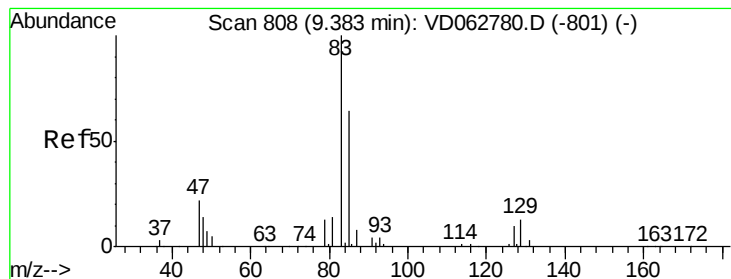
Tot Ion: 63 Resp: 88376
 Ion Ratio Lower Upper
 63 100
 65 36.5 24.2 36.2#



#46
 Dibromomethane
 Concen: 17.165 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.02 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

Tgt Ion: 93 Resp: 90309
 Ion Ratio Lower Upper
 93 100
 95 70.7 66.6 100.0
 174 112.6 79.7 119.5





#47

Bromodichloromethane

Concen: 16.306 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

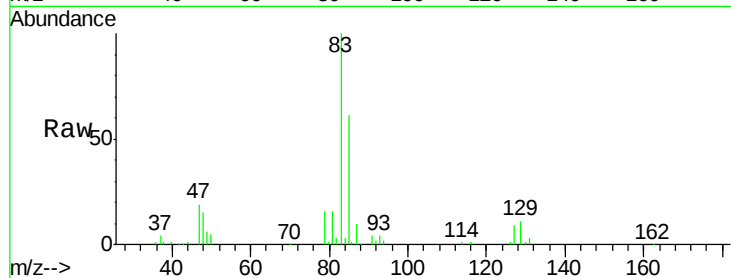
Tot Ion: 83 Resp: 222807

Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.6	77.4
127	8.6	7.8	11.6

83 100

85 61.0 51.6 77.4

127 8.6 7.8 11.6



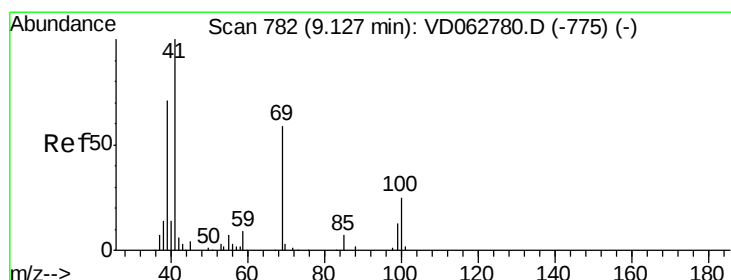
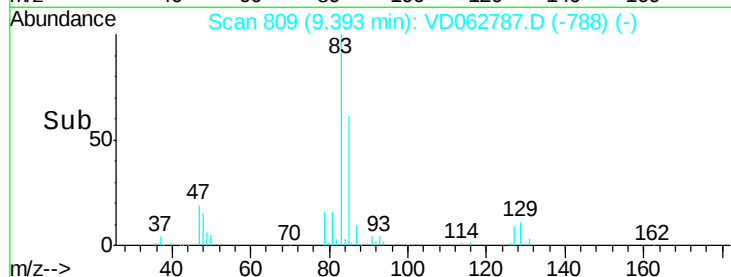
Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC

9.39

Time-->



#48

Methyl methacrylate

Concen: 17.001 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

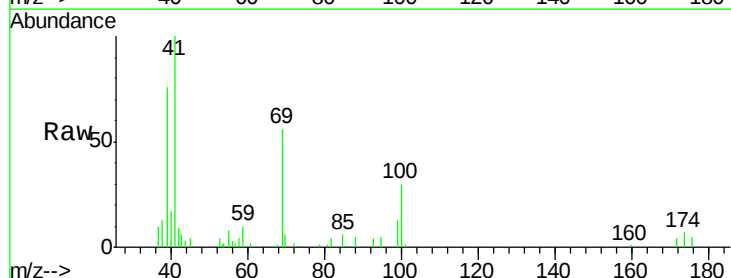
Tgt Ion: 41 Resp: 77725

Ion	Ratio	Lower	Upper
41	100		
69	56.4	47.2	70.8
39	75.5	57.4	86.2

41 100

69 56.4 47.2 70.8

39 75.5 57.4 86.2



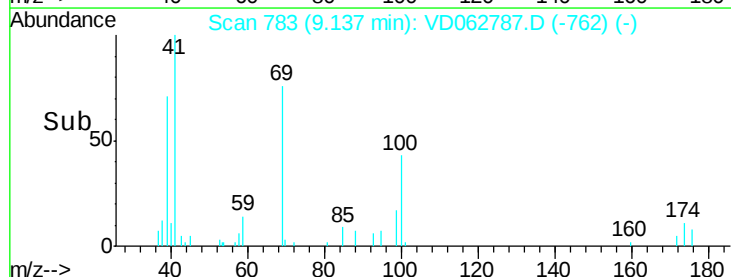
Abundance Ion 40.95 (40.65 to 41.65): VDC

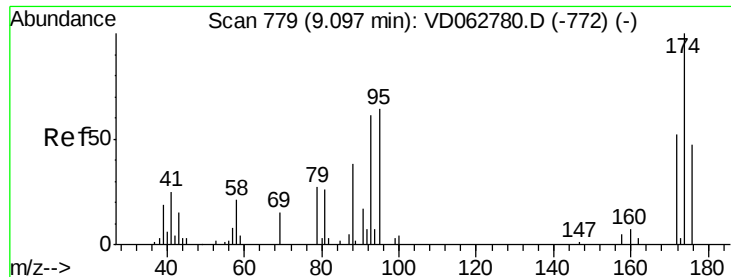
Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.14

Time-->

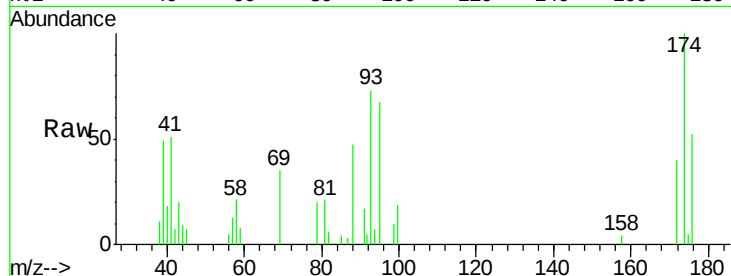




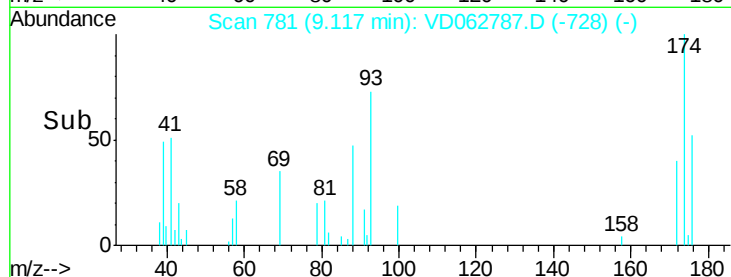
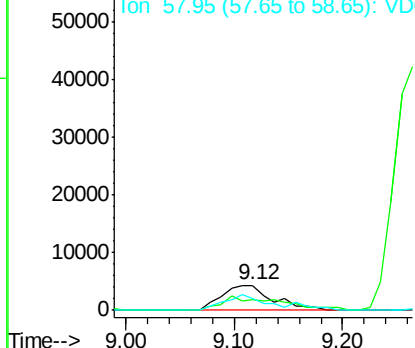
#49
1,4-Dioxane
Concen: 370.261 ug/l
RT: 9.12 min Scan# 781
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion: 88 Resp: 14083
Ion Ratio Lower Upper
88 100
43 43.4 32.1 48.1
58 44.9 44.1 66.1

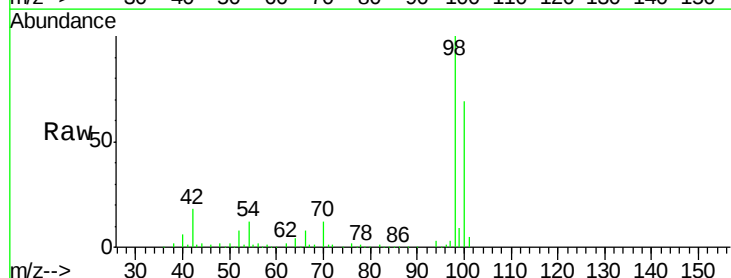


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

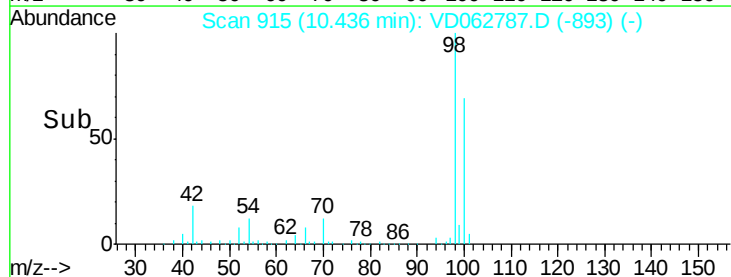
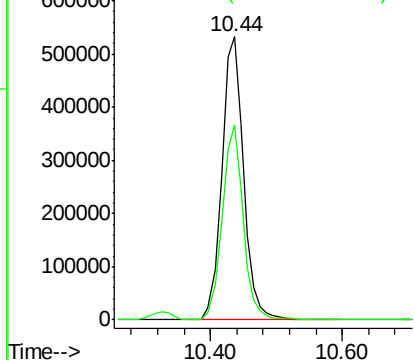


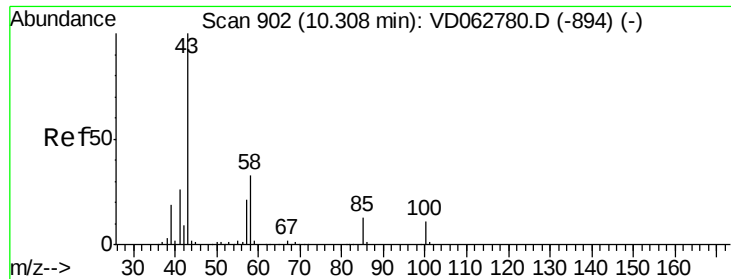
#50
Toluene-d8
Concen: 51.347 ug/l
RT: 10.44 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion: 98 Resp: 1221511
Ion Ratio Lower Upper
98 100
100 68.8 54.7 82.1



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





#51

4-Methyl-2-Pentanone

Concen: 78.551 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

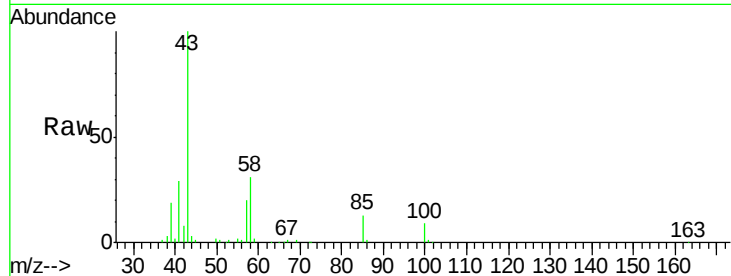
VD0620SBS01

Tot Ion: 43 Resp: 358289

Ion Ratio Lower Upper

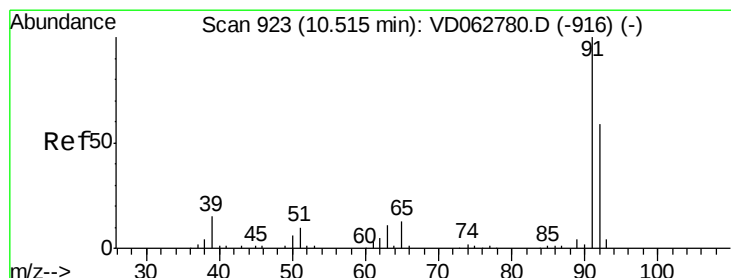
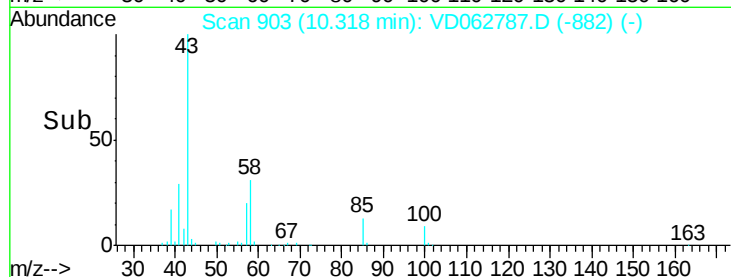
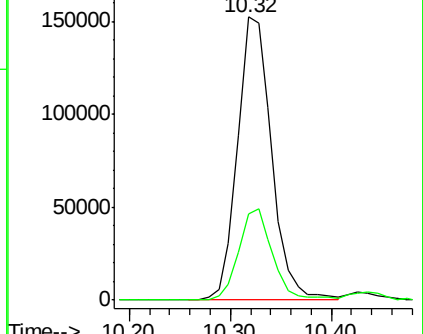
43 100

58 30.6 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 17.378 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062787.D

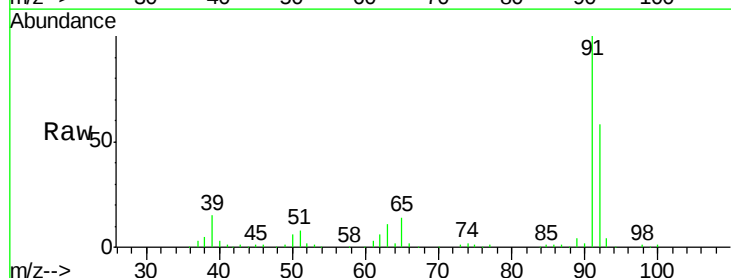
Acq: 20 Jun 2019 12:10

Tgt Ion: 92 Resp: 287747

Ion Ratio Lower Upper

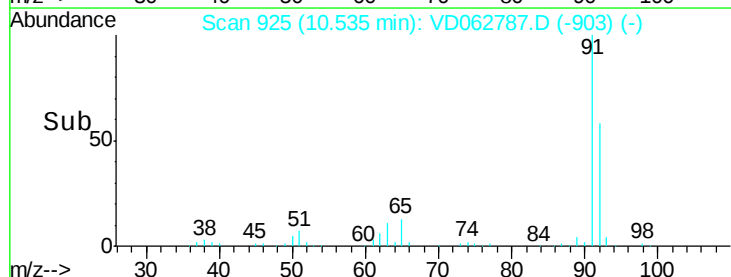
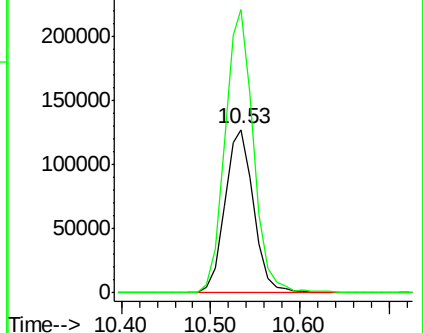
92 100

91 173.2 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

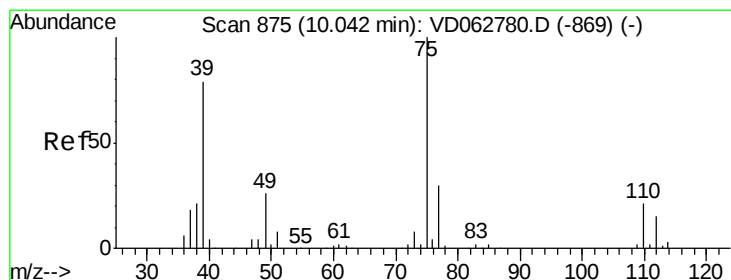
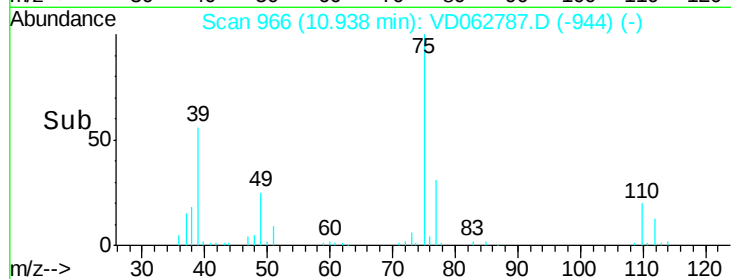
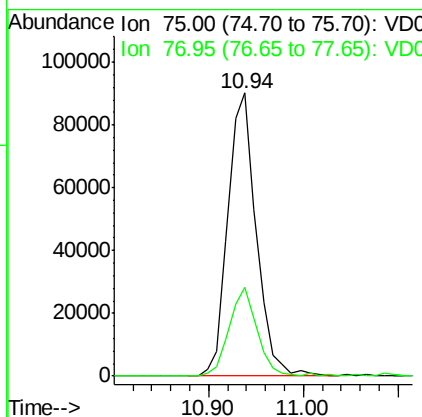
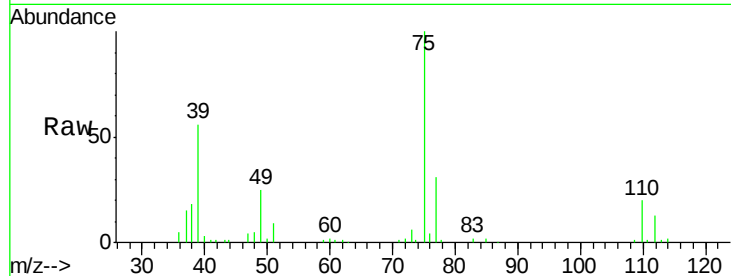




#53
 t-1,3-Dichloropropene
 Concen: 16.719 ug/l
 RT: 10.94 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

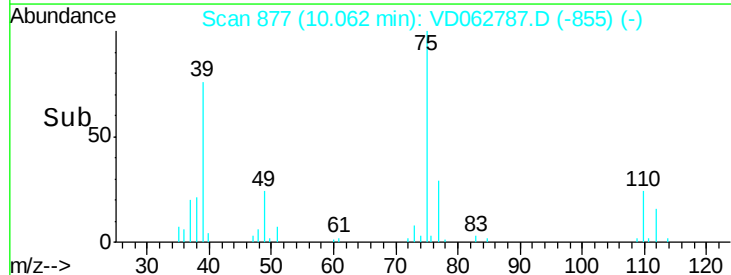
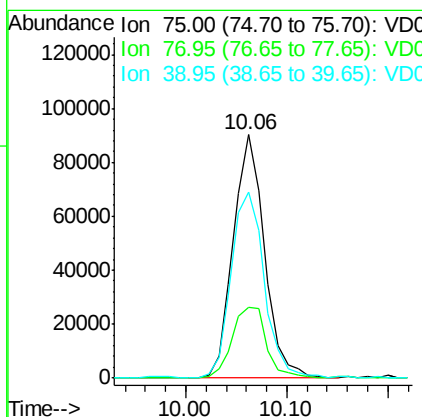
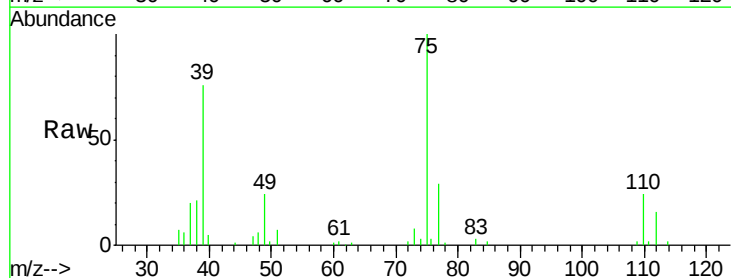
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

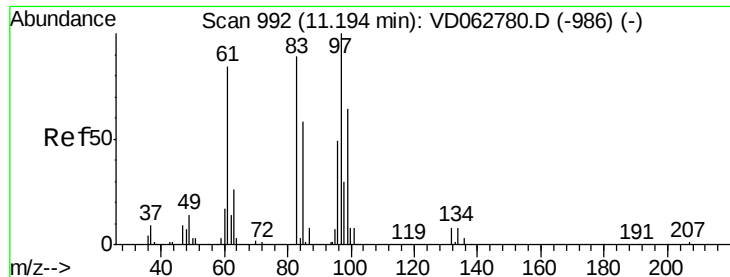
Tot Ion: 75 Resp: 186991
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 16.057 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

Tgt Ion: 75 Resp: 195189
 Ion Ratio Lower Upper
 75 100
 77 29.0 24.2 36.2
 39 76.3 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 16.852 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

Tot Ion: 97 Resp: 95866

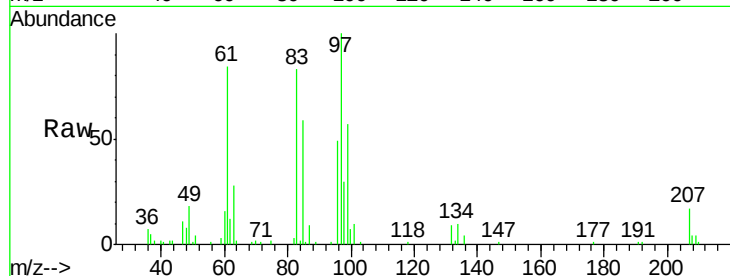
Ion Ratio Lower Upper

97 100

83 82.5 71.0 106.4

85 59.4 46.6 69.8

99 57.4 51.4 77.0

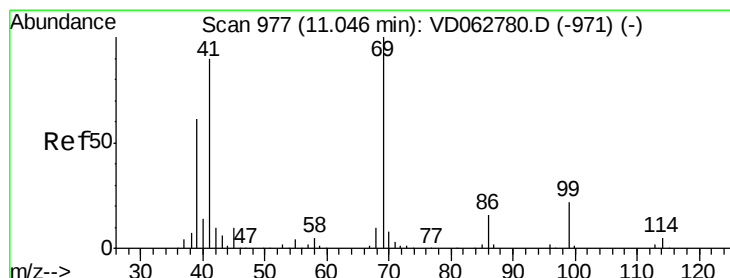
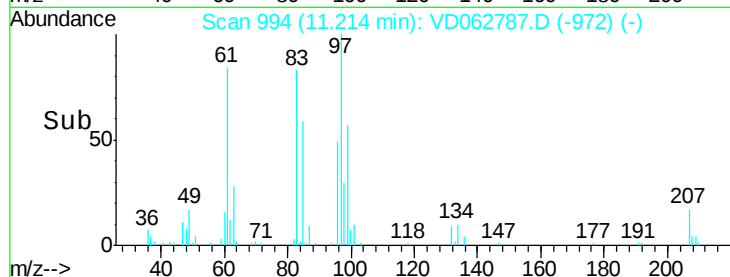
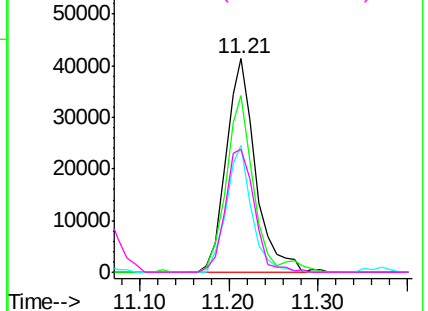


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 16.341 ug/l

RT: 11.07 min Scan# 979

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

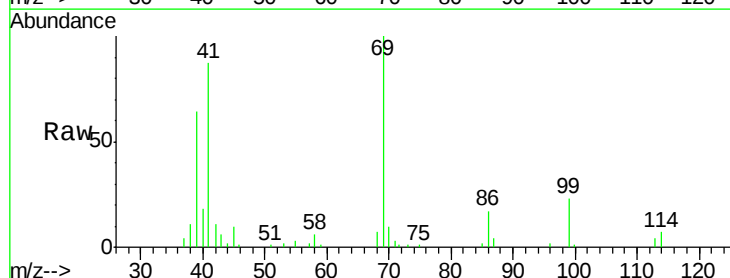
Tgt Ion: 69 Resp: 99341

Ion Ratio Lower Upper

69 100

41 86.5 72.0 108.0

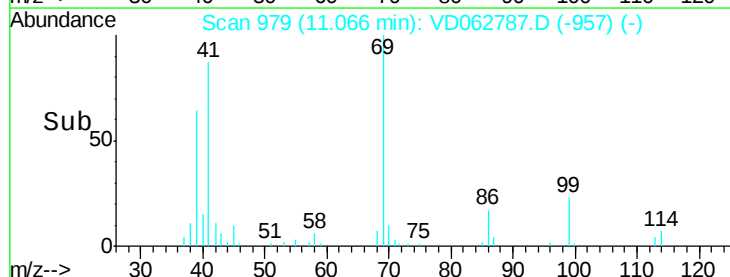
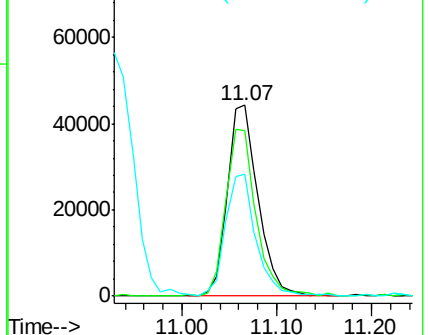
39 63.5 49.5 74.3

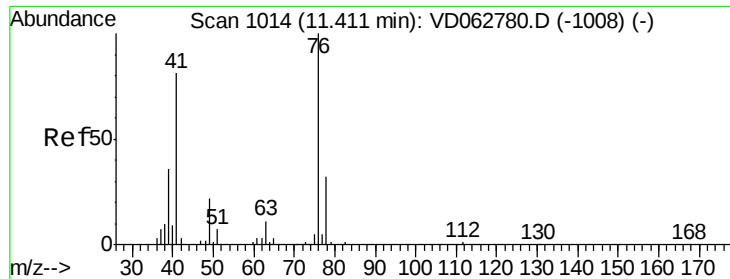


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 16.409 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

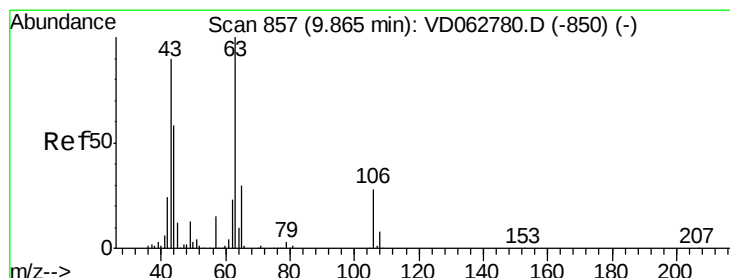
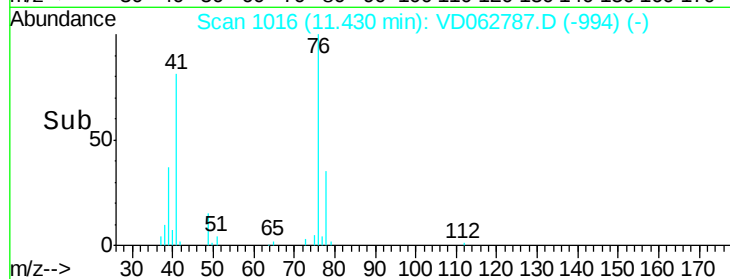
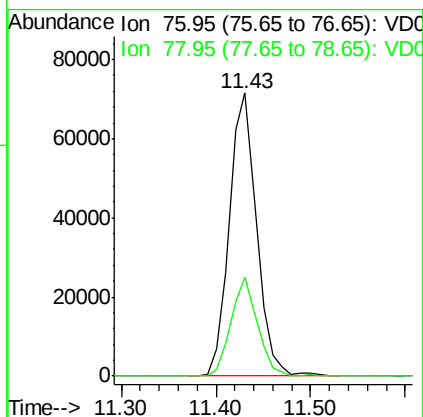
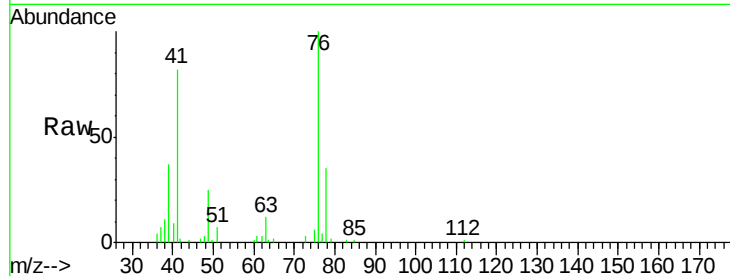
VD0620SBS01

Tot Ion: 76 Resp: 142921

Ion Ratio Lower Upper

76 100

78 34.8 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 102.335 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD062787.D

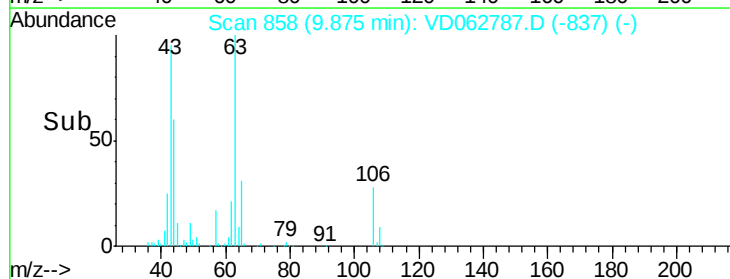
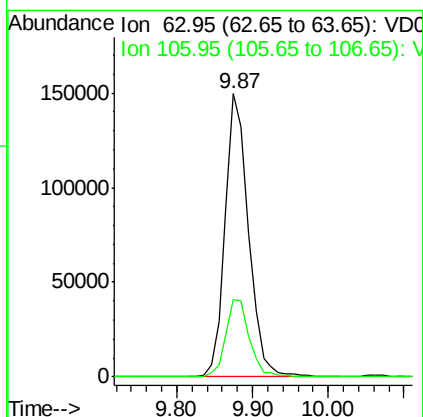
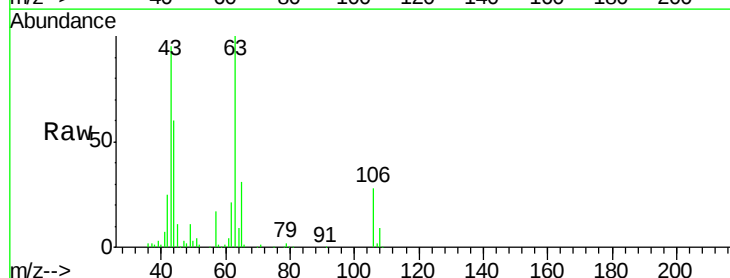
Acq: 20 Jun 2019 12:10

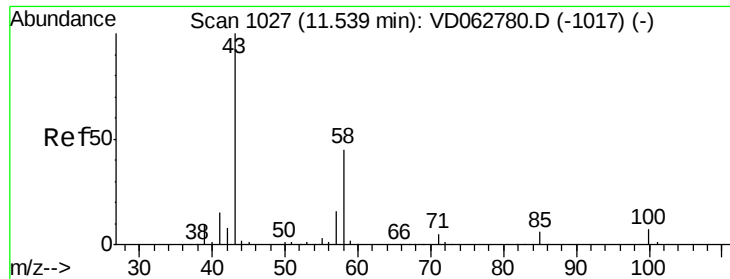
Tgt Ion: 63 Resp: 319391

Ion Ratio Lower Upper

63 100

106 27.5 22.1 33.1





#59

2-Hexanone

Concen: 81.853 ug/l

RT: 11.55 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

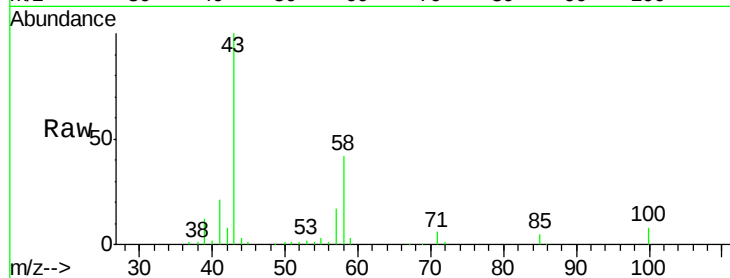
VD0620SBS01

Tot Ion: 43 Resp: 265896

Ion Ratio Lower Upper

43 100

58 42.3 22.4 67.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

11.55

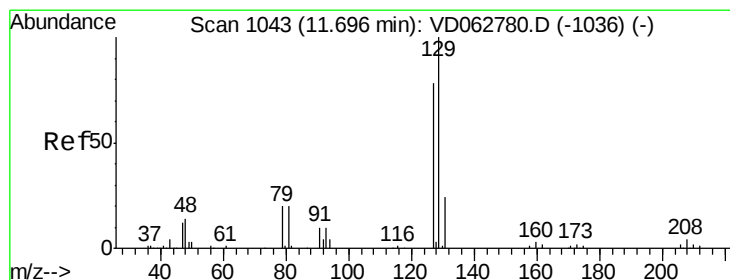
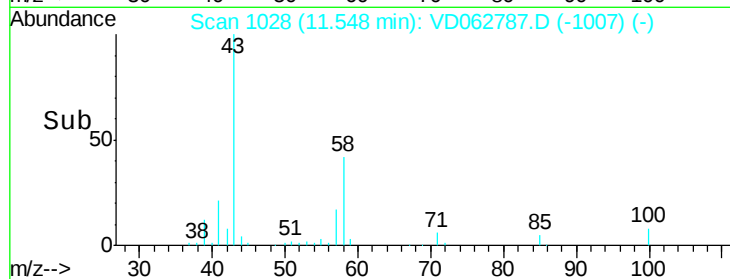
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 16.890 ug/l

RT: 11.71 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VD062787.D

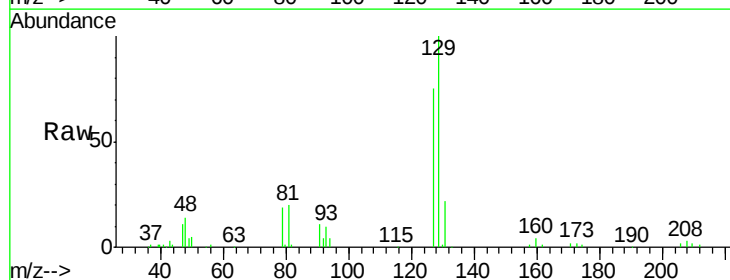
Acq: 20 Jun 2019 12:10

Tgt Ion: 129 Resp: 178960

Ion Ratio Lower Upper

129 100

127 75.4 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.71

100000

80000

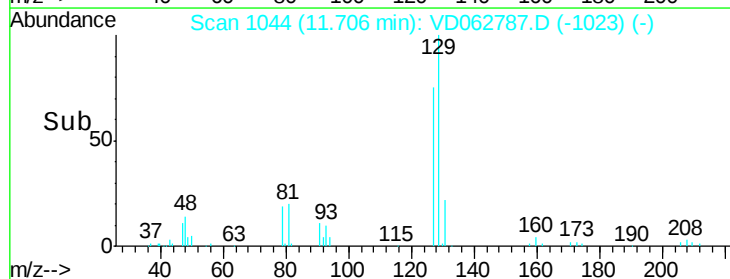
60000

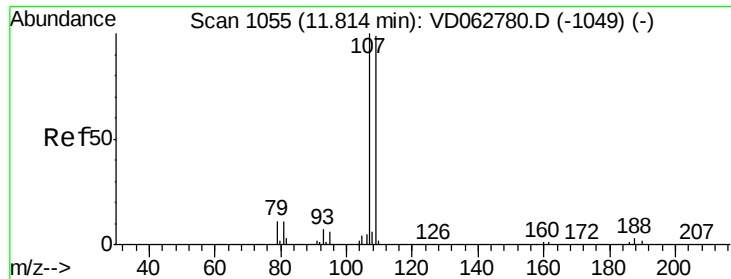
40000

20000

0

Time-->

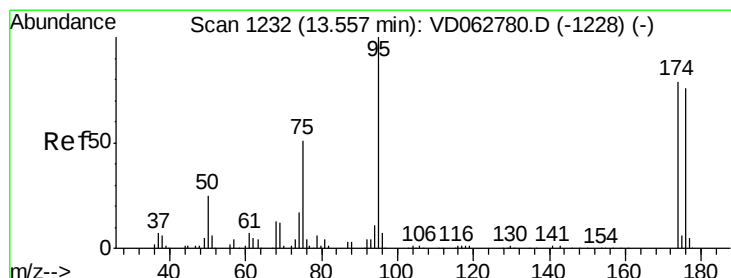
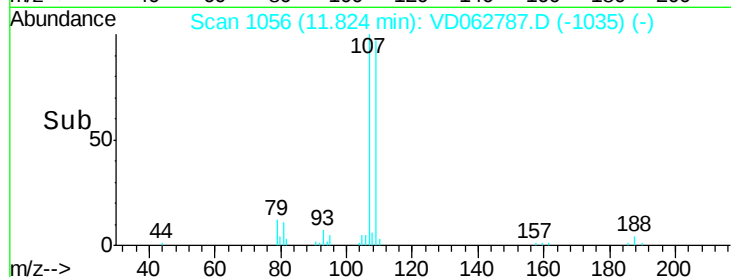
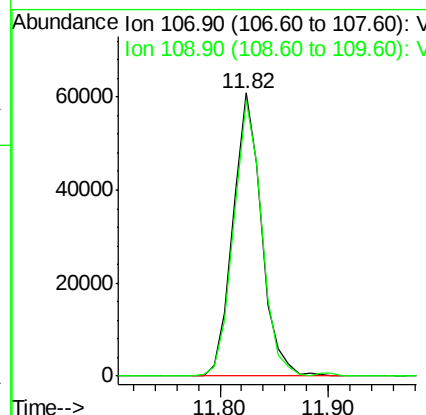
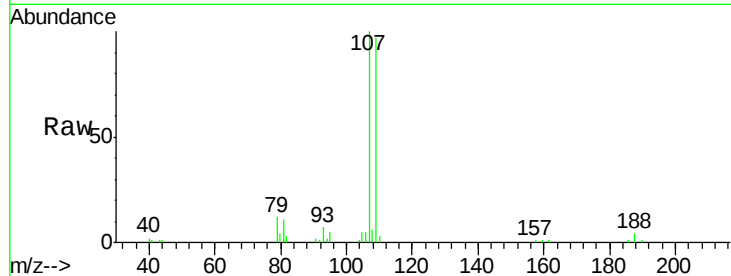




#61
 1,2-Dibromoethane
 Concen: 16.552 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

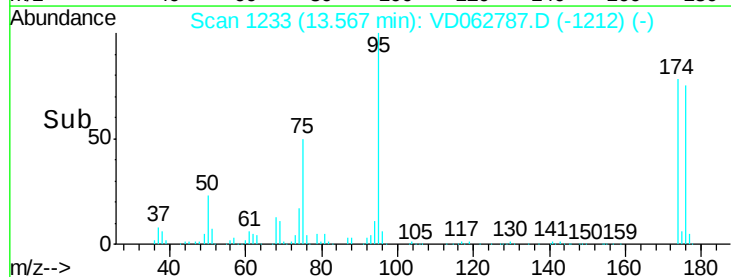
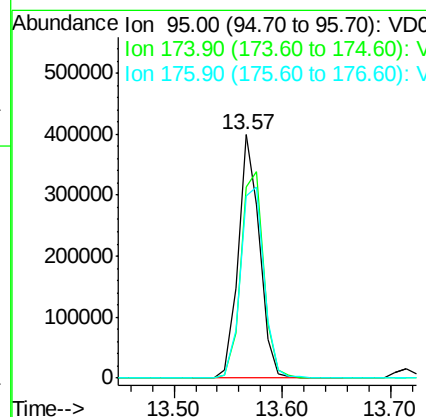
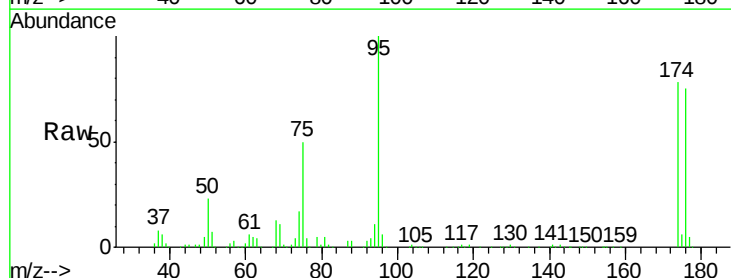
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

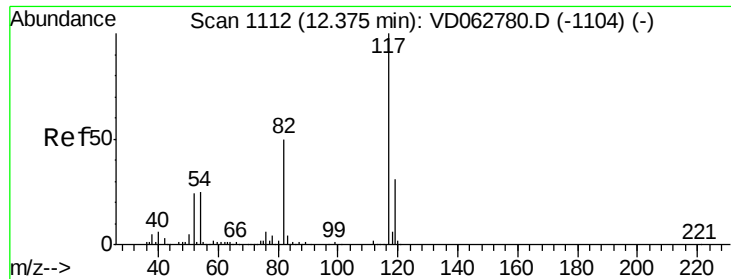
Tot Ion:107 Resp: 111202
 Ion Ratio Lower Upper
 107 100
 109 97.3 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 50.482 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

Tgt Ion: 95 Resp: 546075
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 158.0
 176 74.8 0.0 151.6

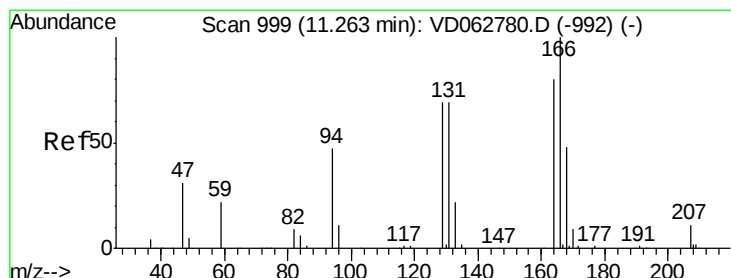
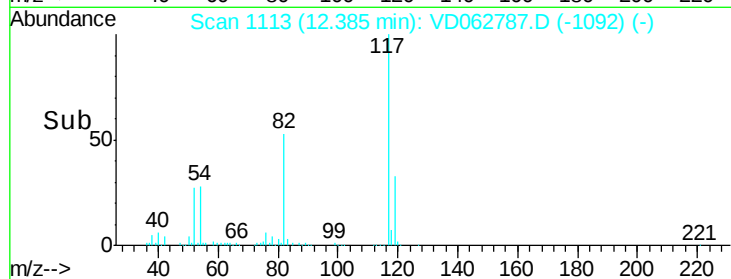
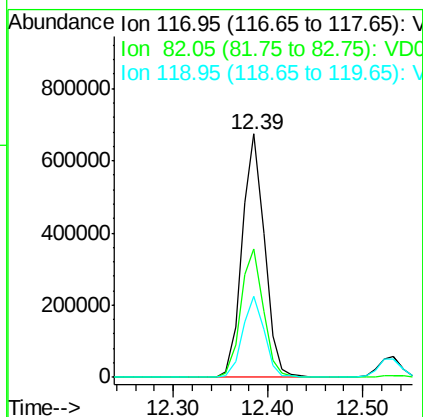
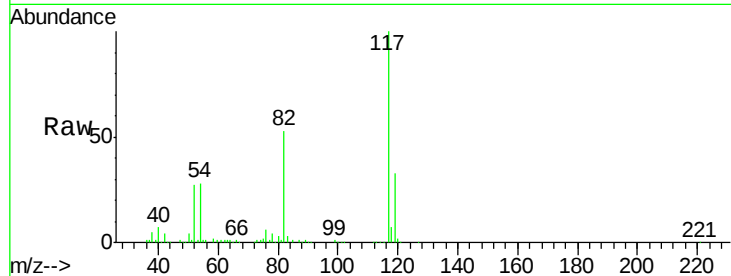




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

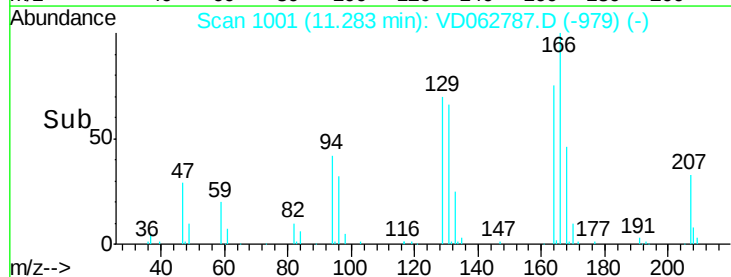
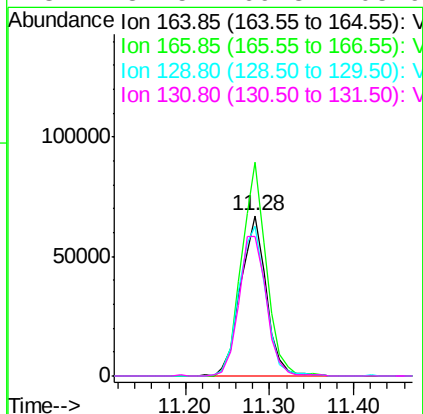
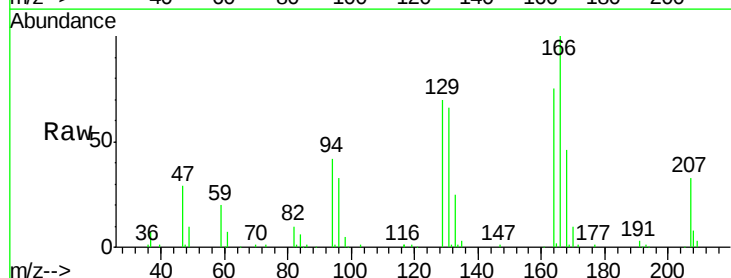
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

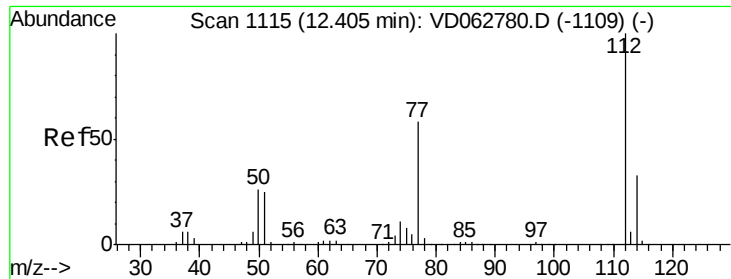
Tot Ion:117 Resp: 1100518
Ion Ratio Lower Upper
117 100
82 52.9 40.4 60.6
119 33.3 25.2 37.8



#64
Tetrachloroethene
Concen: 15.786 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion:164 Resp: 142982
Ion Ratio Lower Upper
164 100
166 133.4 100.6 150.8
129 93.4 69.4 104.0
131 87.5 69.3 103.9

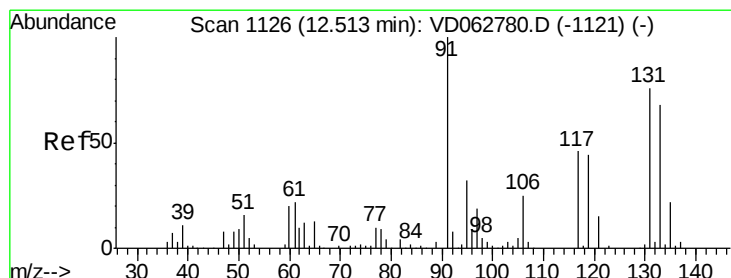
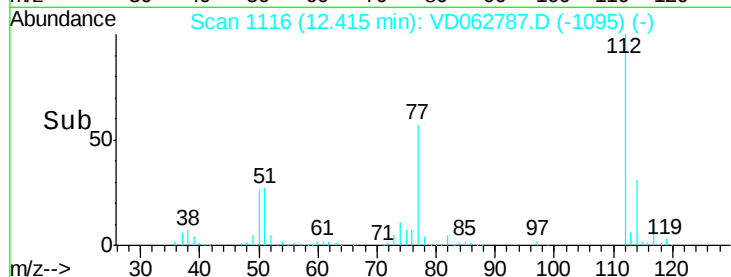
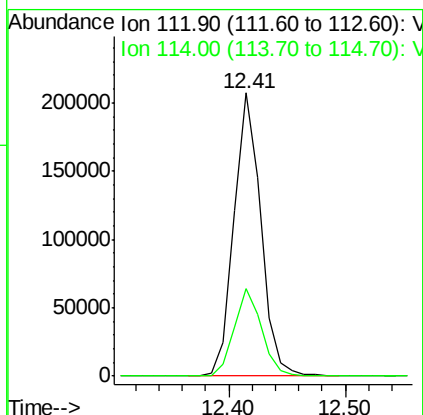
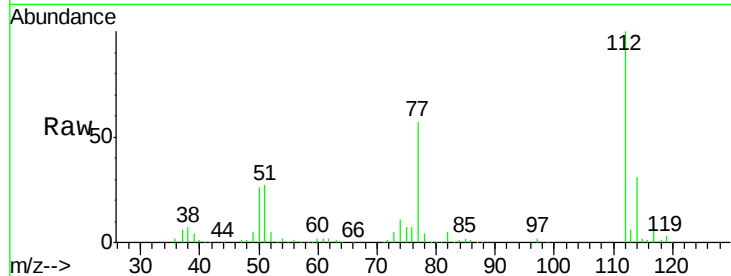




#65
Chlorobenzene
Concen: 16.211 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

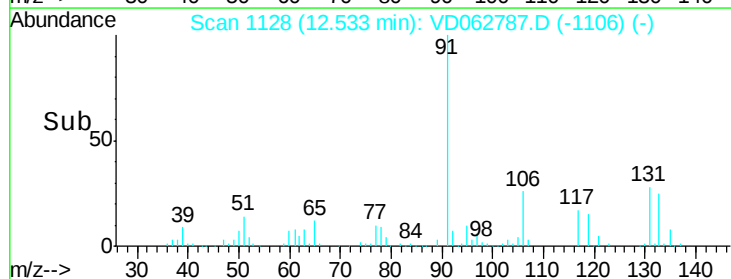
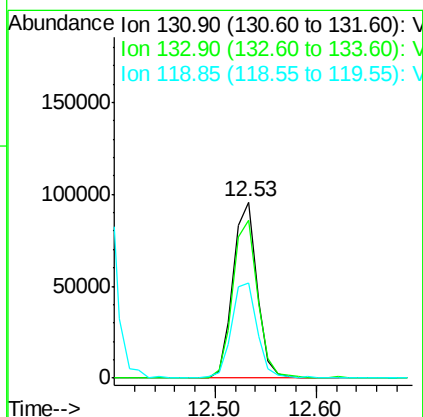
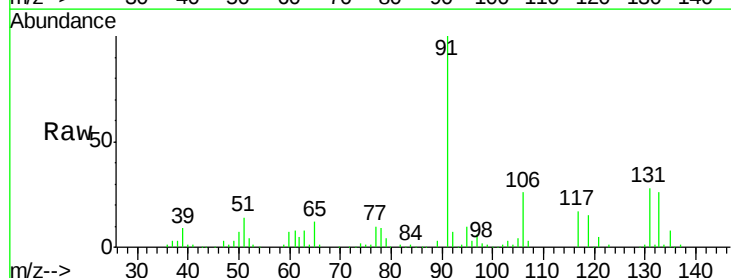
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion:112 Resp: 331108
Ion Ratio Lower Upper
112 100
114 30.8 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 16.557 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion:131 Resp: 158151
Ion Ratio Lower Upper
131 100
133 89.7 44.5 133.3
119 54.2 28.6 85.9

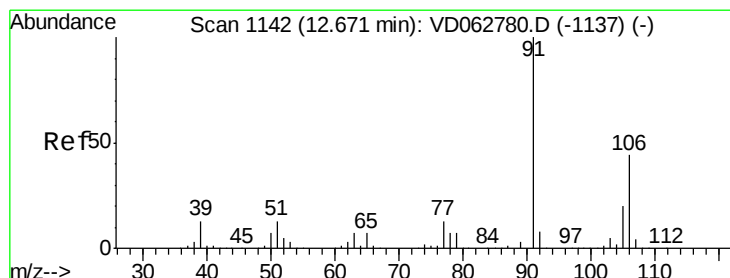
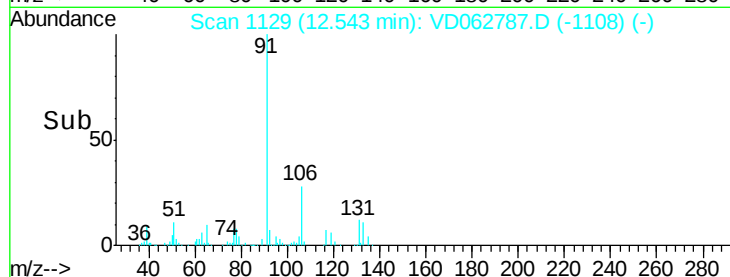
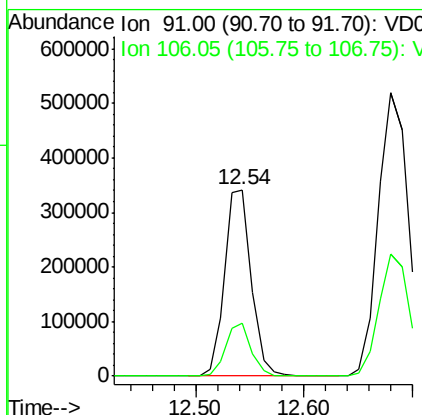
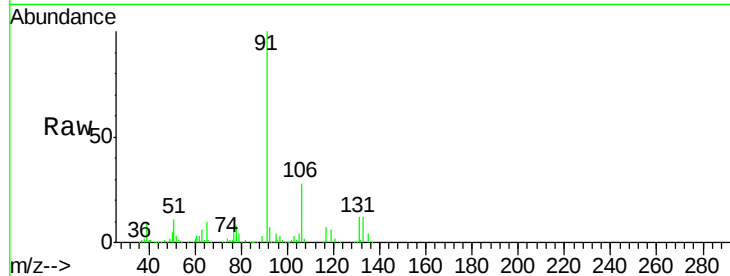




#67
Ethyl Benzene
Concen: 16.055 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

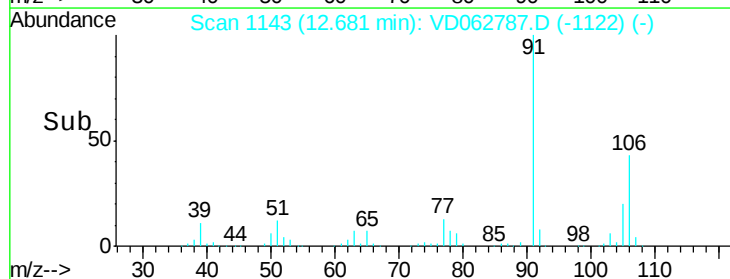
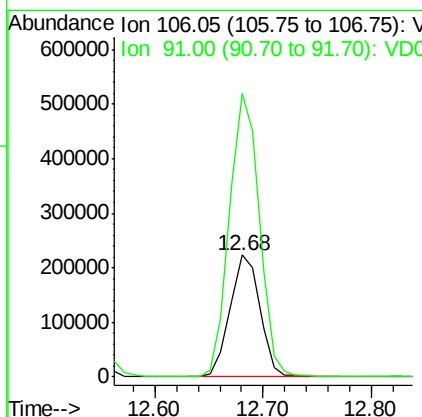
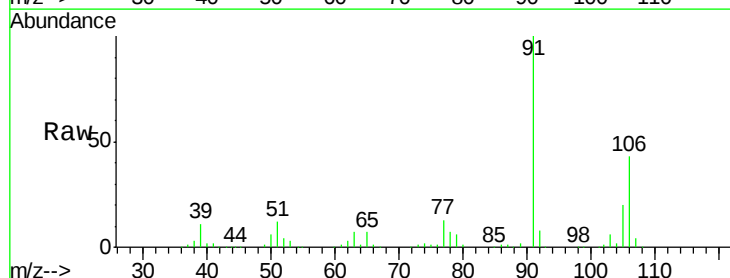
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion: 91 Resp: 588745
Ion Ratio Lower Upper
91 100
106 28.2 23.1 34.7



#68
m/p-Xylenes
Concen: 33.775 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion: 106 Resp: 431367
Ion Ratio Lower Upper
106 100
91 232.2 183.0 274.6

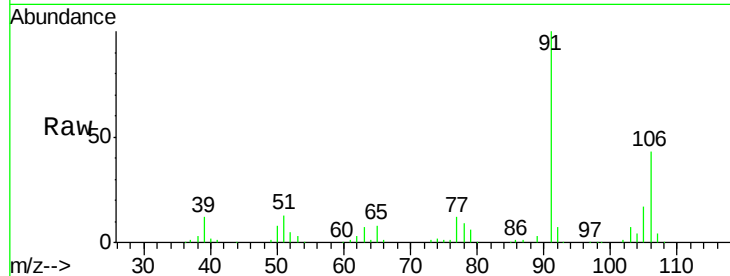




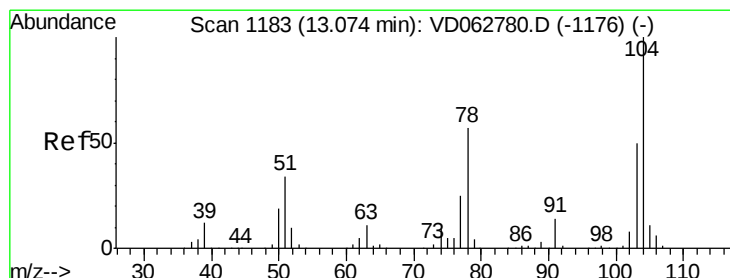
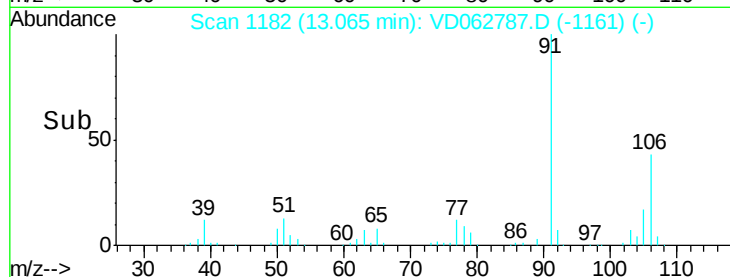
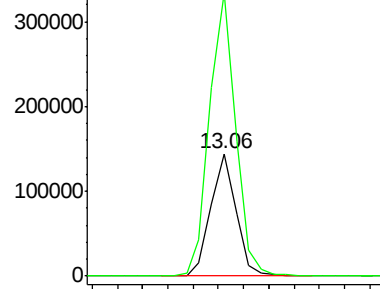
#69
o-Xylene
Concen: 17.171 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion:106 Resp: 200482
Ion Ratio Lower Upper
106 100
91 230.9 117.9 353.6

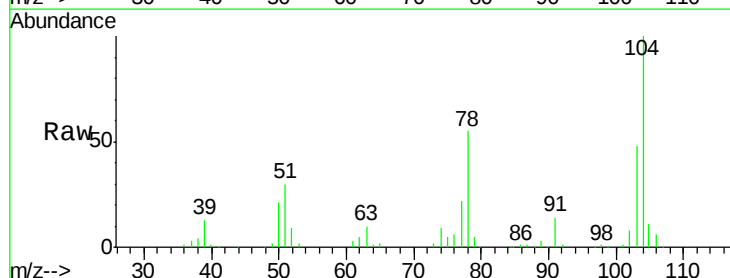


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

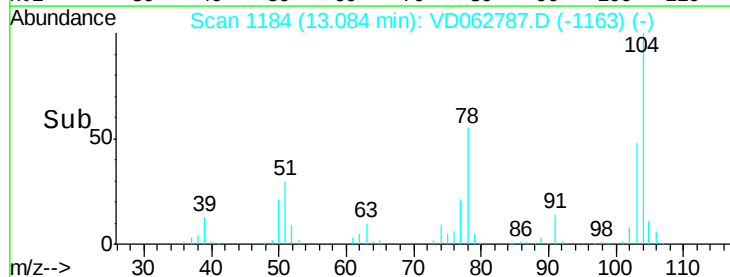
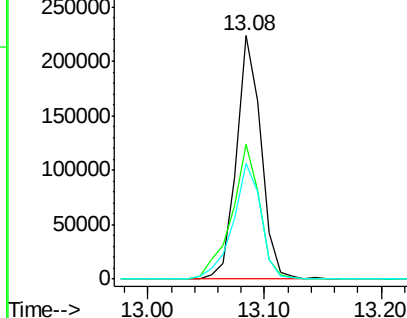


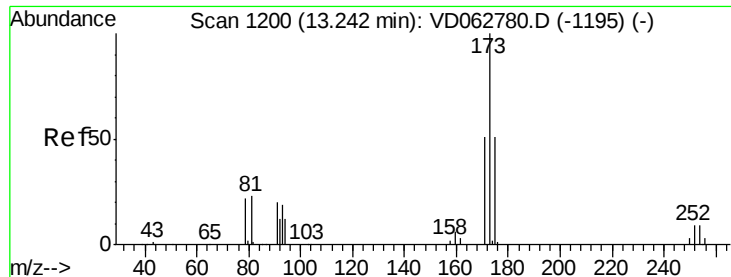
#70
Styrene
Concen: 15.935 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion:104 Resp: 326787
Ion Ratio Lower Upper
104 100
78 55.3 45.4 68.2
103 47.7 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: 16.469 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

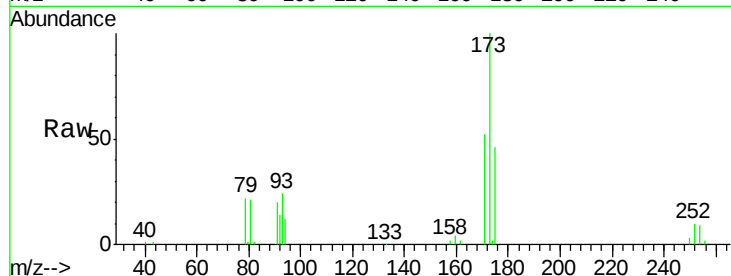
Tot Ion:173 Resp: 107779

Ion Ratio Lower Upper

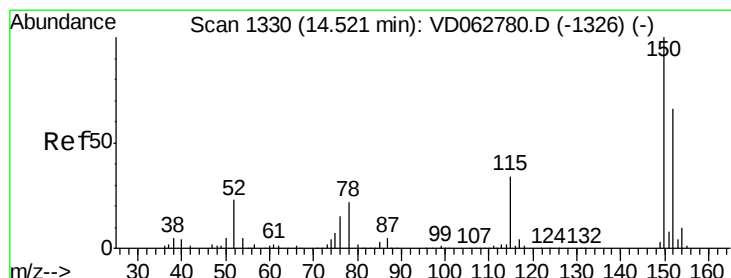
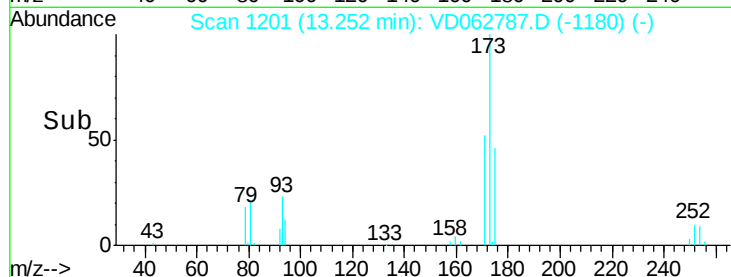
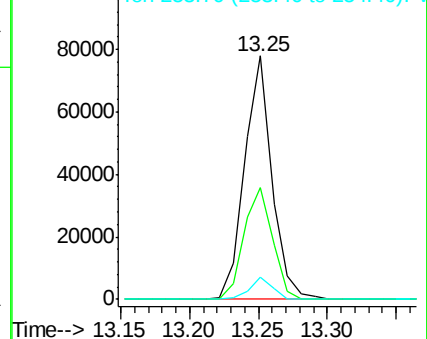
173 100

175 46.0 25.3 75.9

254 9.0 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: VD062787.D

Acq: 20 Jun 2019 12:10

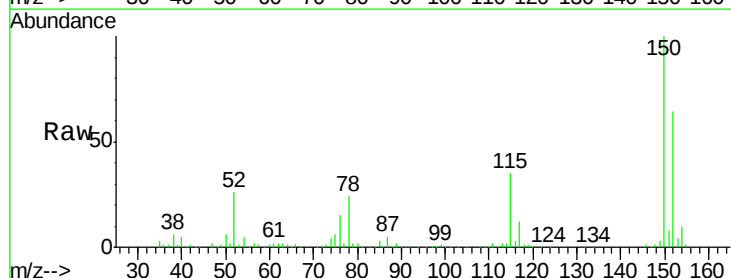
Tgt Ion:152 Resp: 602336

Ion Ratio Lower Upper

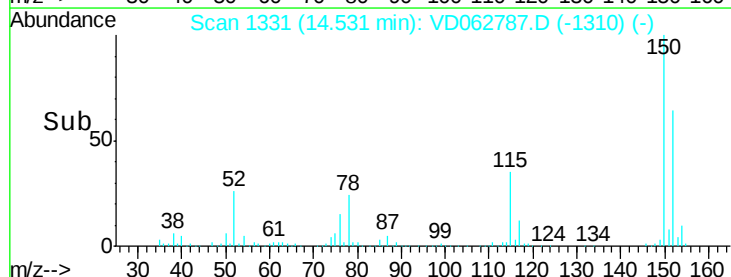
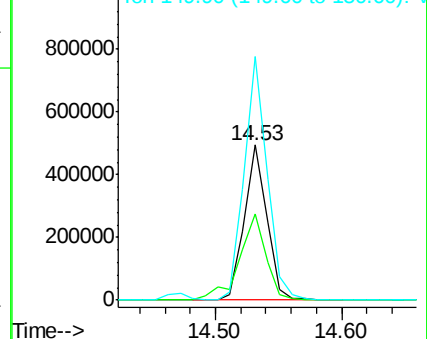
152 100

115 55.6 29.2 87.6

150 157.0 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: 17.701 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

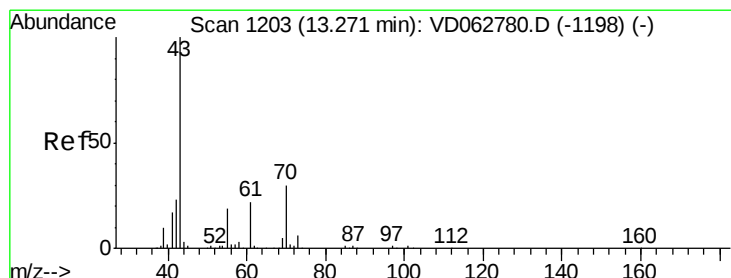
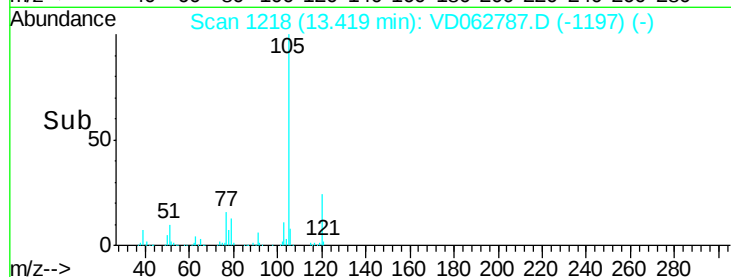
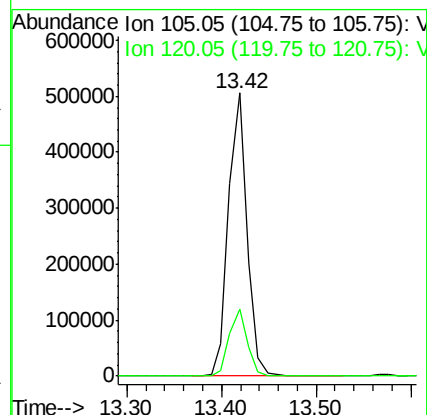
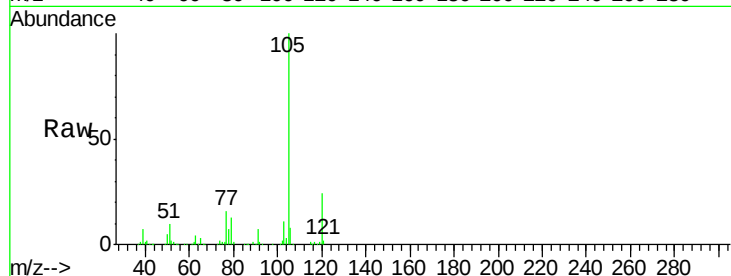
VD0620SBS01

Tot Ion:105 Resp: 683630

Ion Ratio Lower Upper

105 100

120 23.7 11.6 34.7



#74

N-ethyl acetate

Concen: 16.579 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Tgt Ion: 43 Resp: 155493

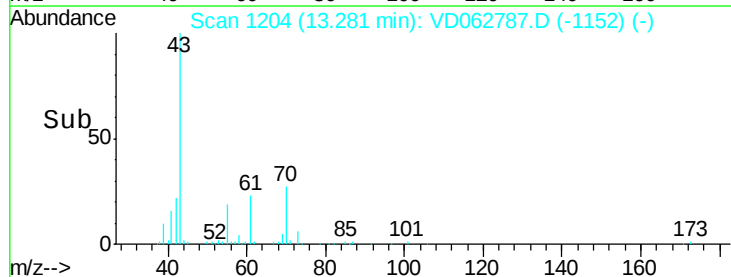
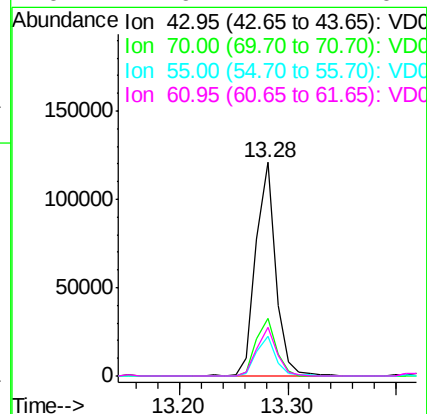
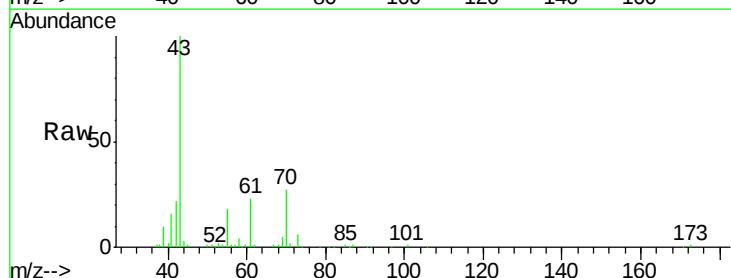
Ion Ratio Lower Upper

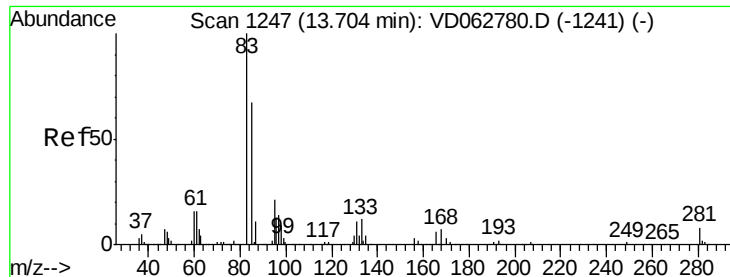
43 100

70 27.1 24.4 36.6

55 18.5 15.2 22.8

61 22.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 15.582 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

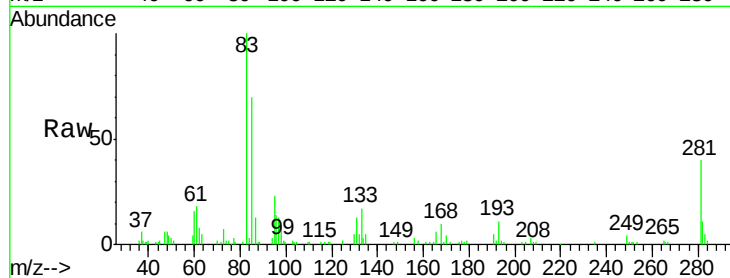
Tot Ion: 83 Resp: 98050

Ion Ratio Lower Upper

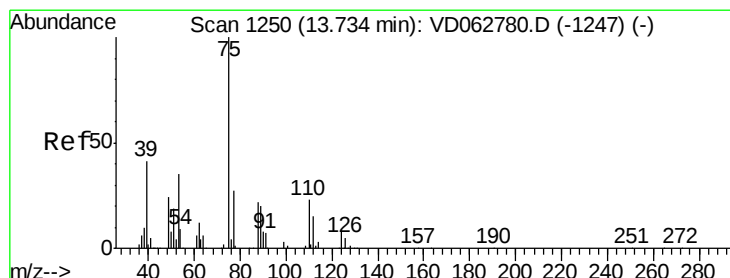
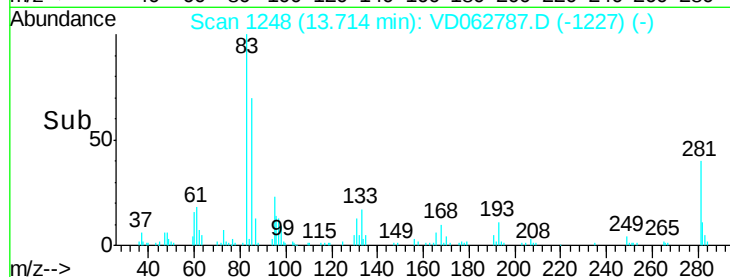
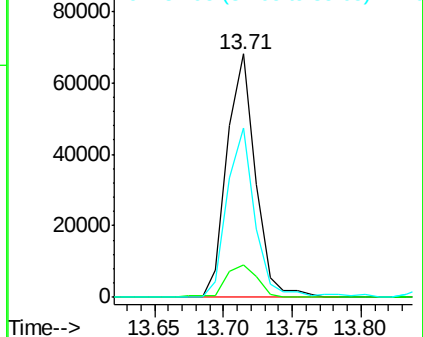
83 100

131 13.3 5.3 16.1

85 69.5 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: 16.110 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062787.D

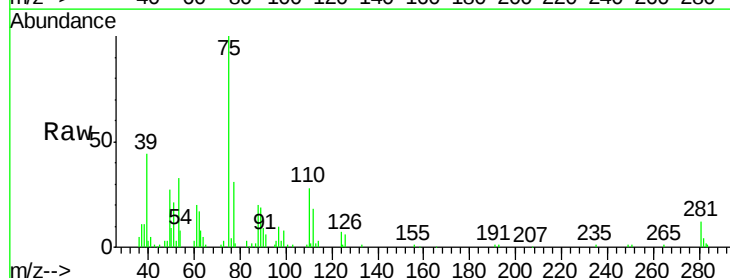
Acq: 20 Jun 2019 12:10

Tgt Ion: 75 Resp: 112023

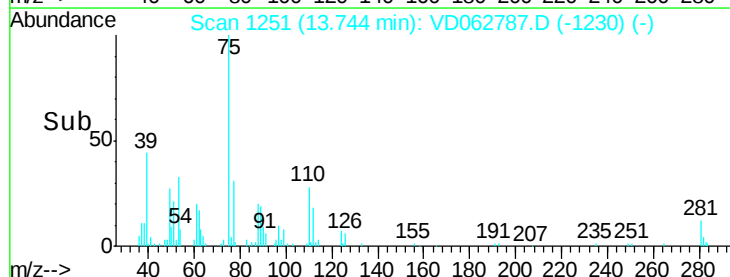
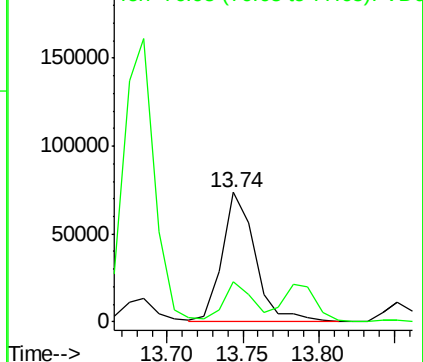
Ion Ratio Lower Upper

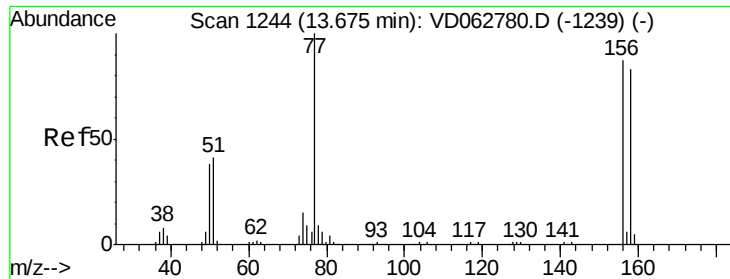
75 100

77 30.9 15.0 45.1



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





#77

Bromobenzene

Concen: 17.471 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

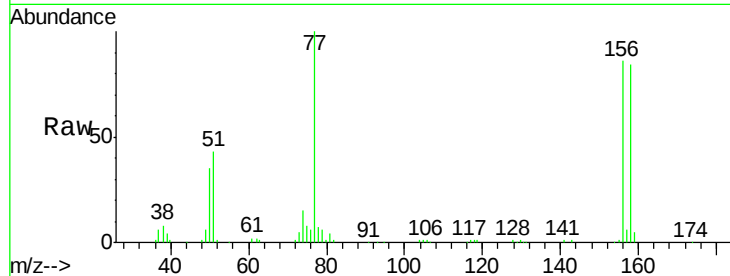
Tot Ion:156 Resp: 181485

Ion Ratio Lower Upper

156 100

77 116.8 57.7 173.1

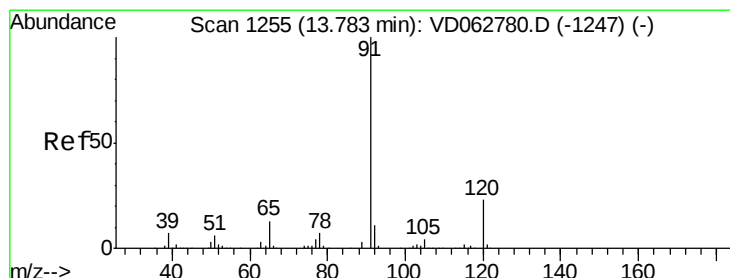
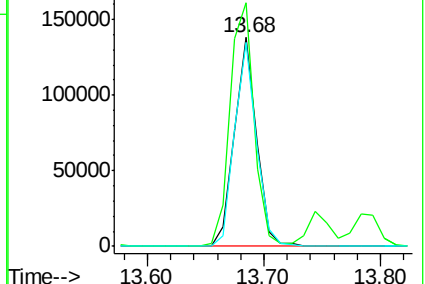
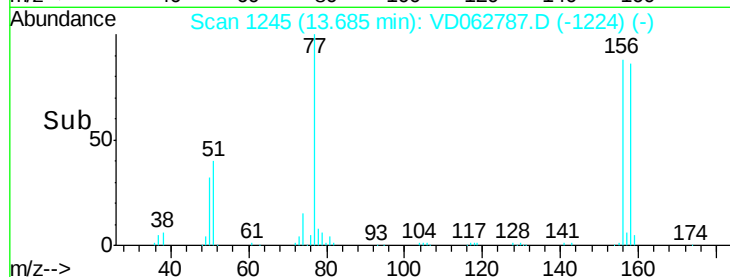
158 97.6 47.7 143.1



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: 16.235 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062787.D

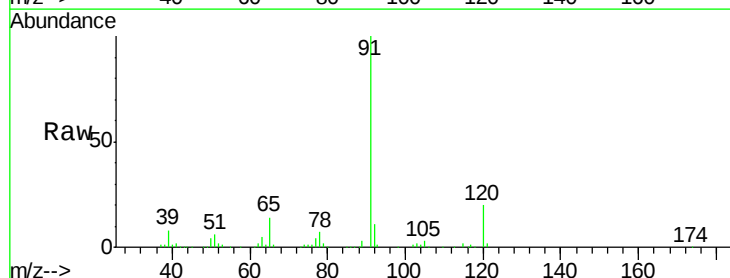
Acq: 20 Jun 2019 12:10

Tgt Ion: 91 Resp: 729795

Ion Ratio Lower Upper

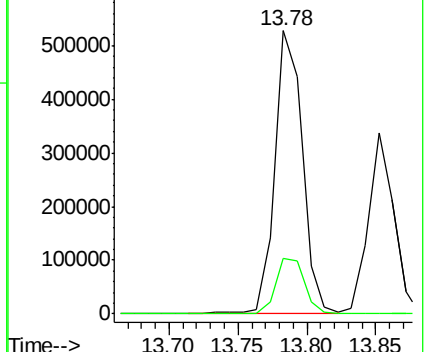
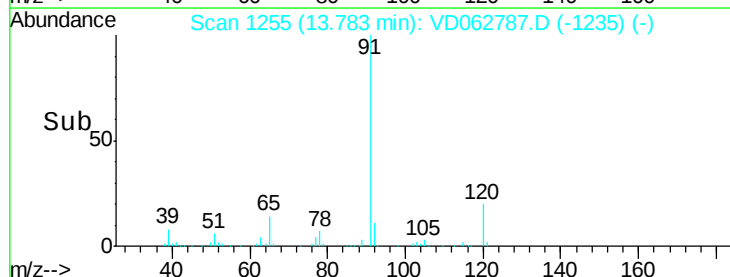
91 100

120 19.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

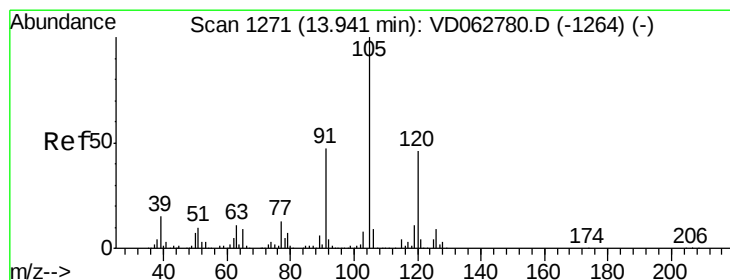
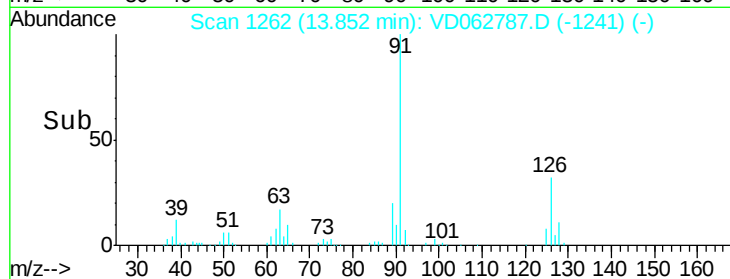
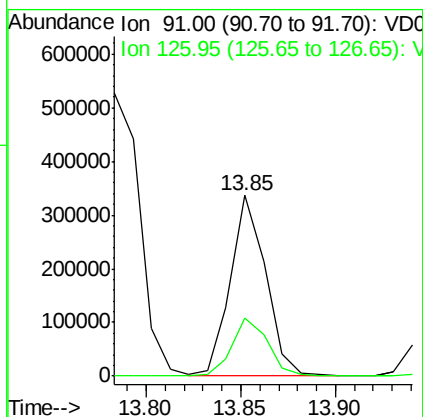
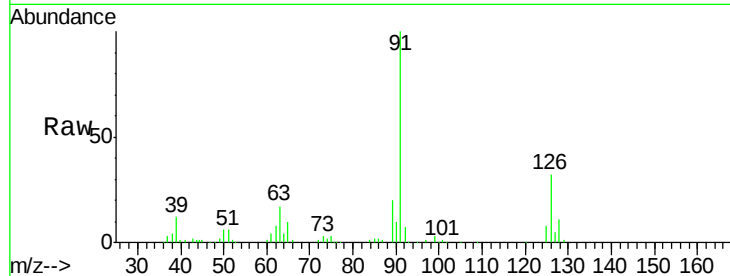




#79
 2-Chlorotoluene
 Concen: 16.793 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

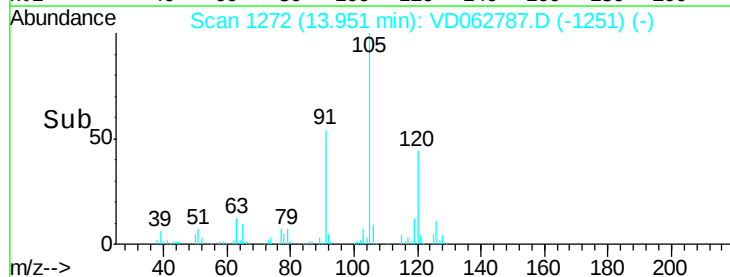
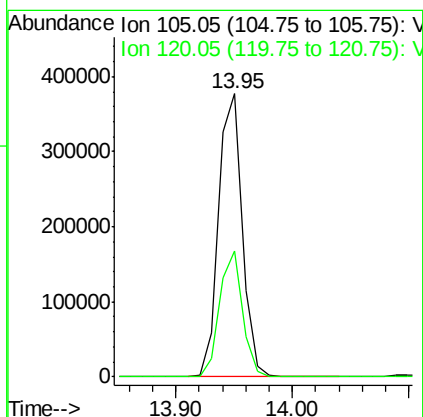
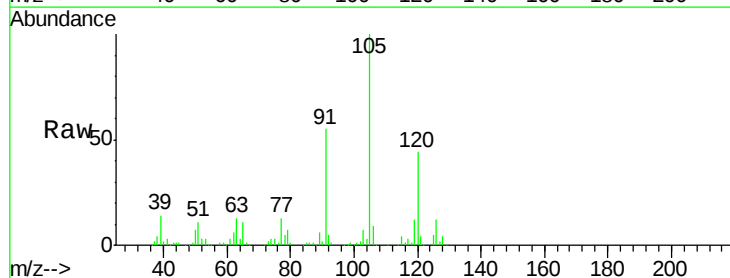
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

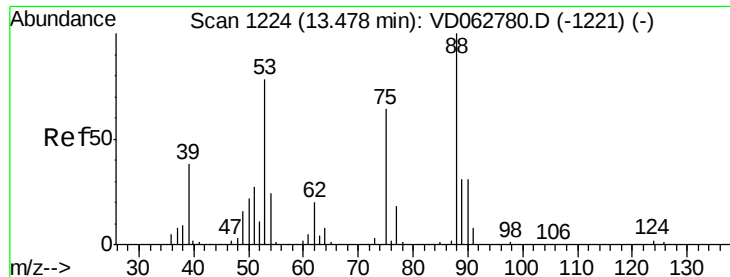
Tot Ion: 91 Resp: 431389
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 16.387 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

Tgt Ion: 105 Resp: 531599
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 15.226 ug/l

RT: 13.49 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

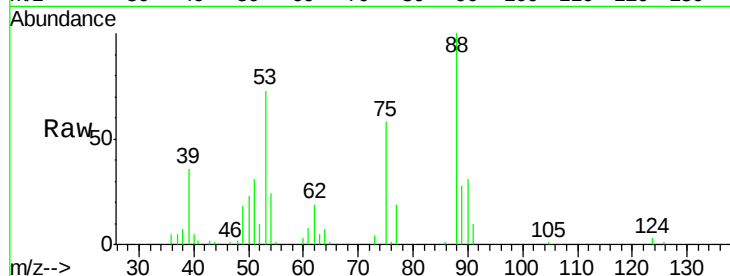
Tot Ion: 75 Resp: 27748

Ion Ratio Lower Upper

75 100

53 126.4 97.8 146.8

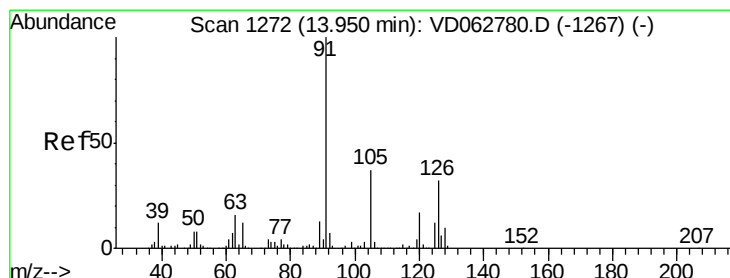
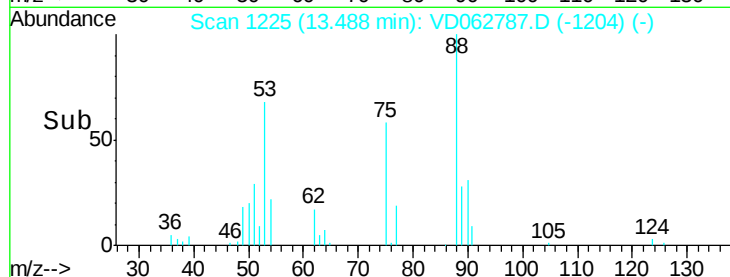
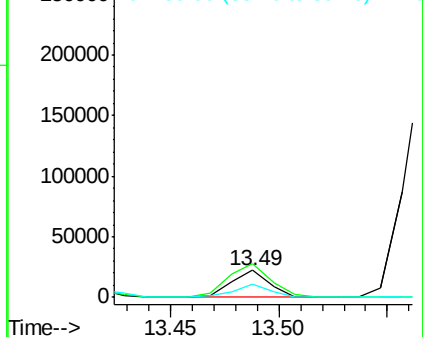
89 48.7 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 17.193 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062787.D

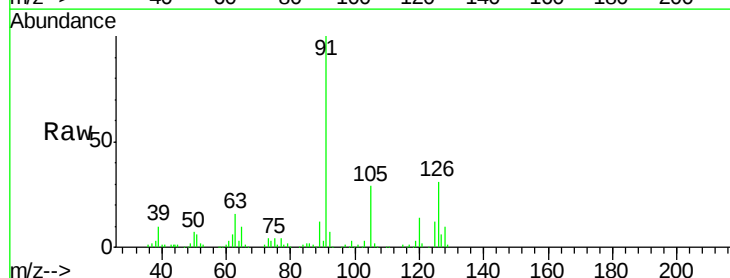
Acq: 20 Jun 2019 12:10

Tgt Ion: 91 Resp: 531726

Ion Ratio Lower Upper

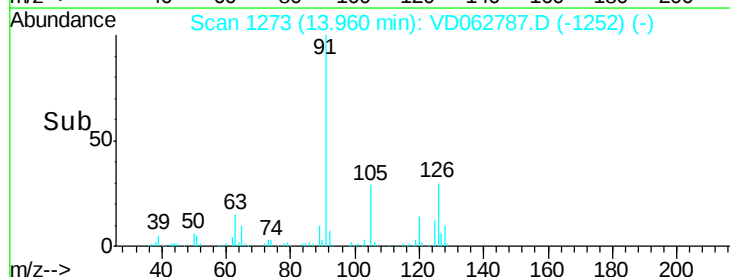
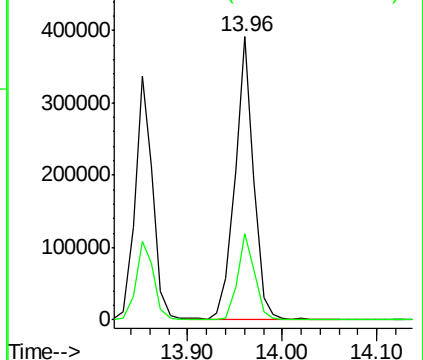
91 100

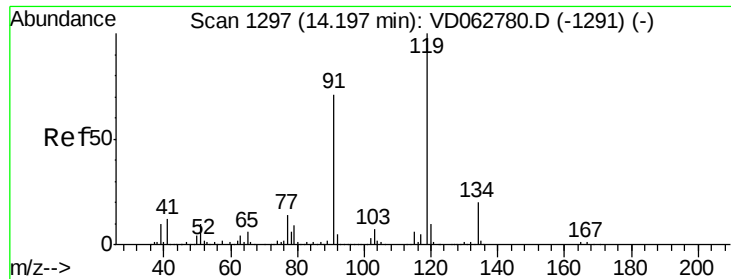
126 30.6 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

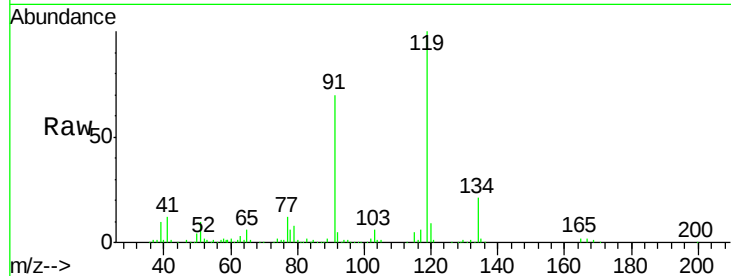




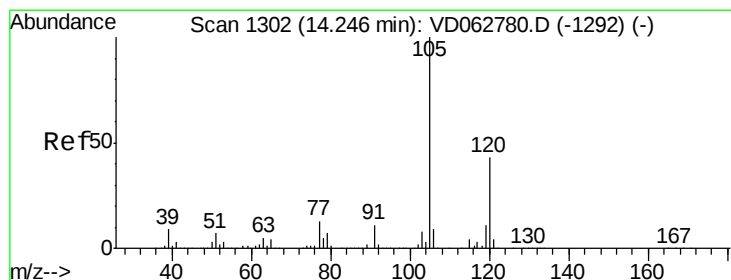
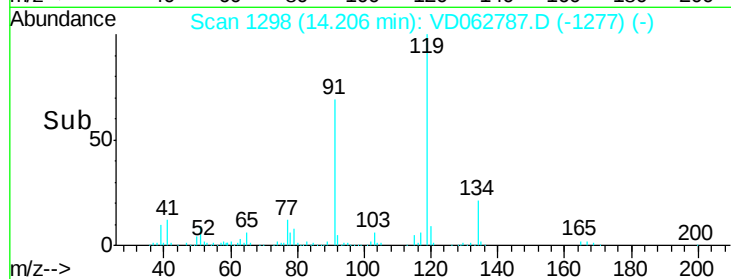
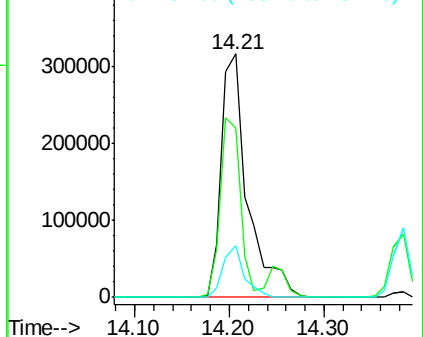
#83
tert-Butylbenzene
Concen: 16.839 ug/l
RT: 14.21 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion:119 Resp: 608871
Ion Ratio Lower Upper
119 100
91 69.7 35.5 106.5
134 21.4 10.2 30.6

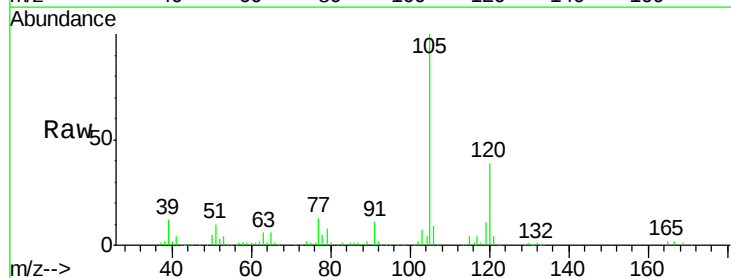


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

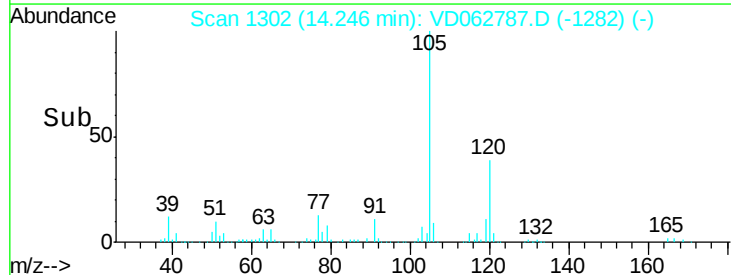
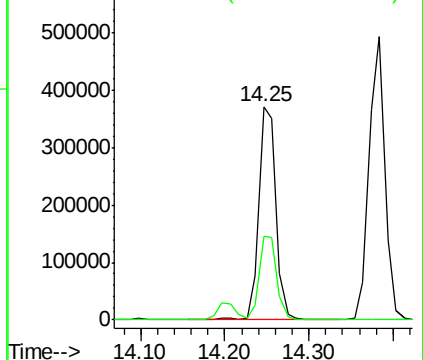


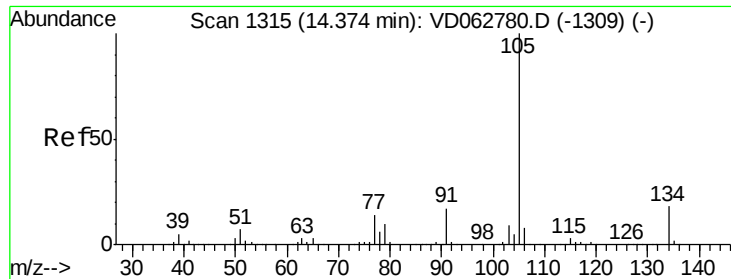
#84
1,2,4-Trimethylbenzene
Concen: 16.070 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion:105 Resp: 534327
Ion Ratio Lower Upper
105 100
120 39.3 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: 16.384 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

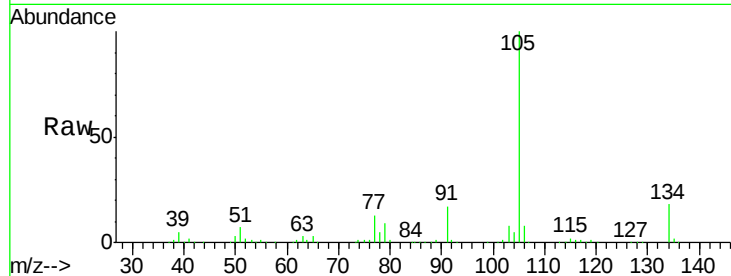
VD0620SBS01

Tot Ion:105 Resp: 643898

Ion Ratio Lower Upper

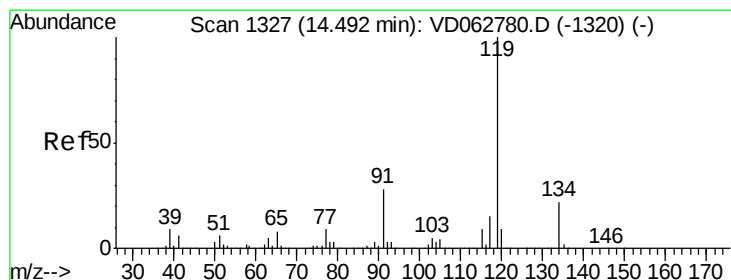
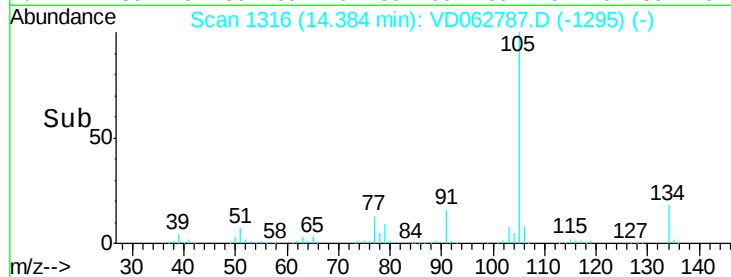
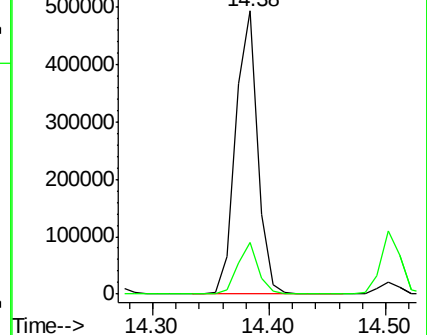
105 100

134 18.2 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 16.657 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

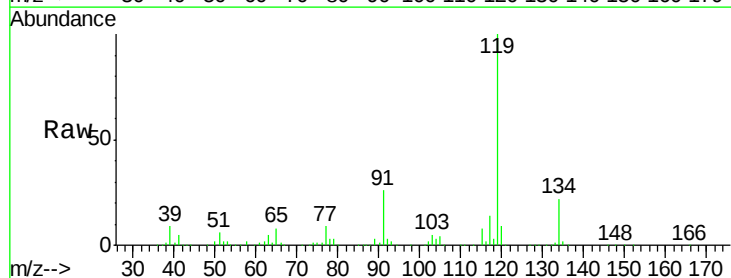
Tgt Ion:119 Resp: 598872

Ion Ratio Lower Upper

119 100

134 21.6 11.1 33.1

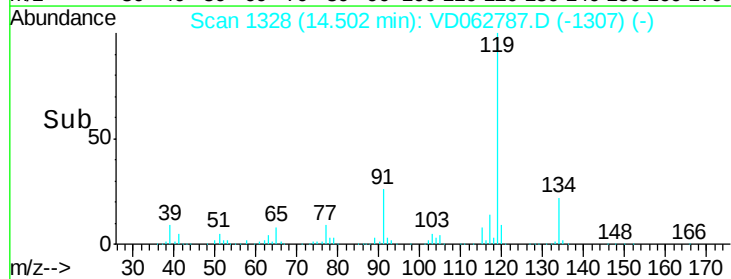
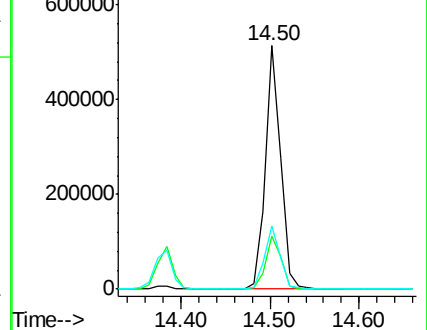
91 26.1 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 16.266 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

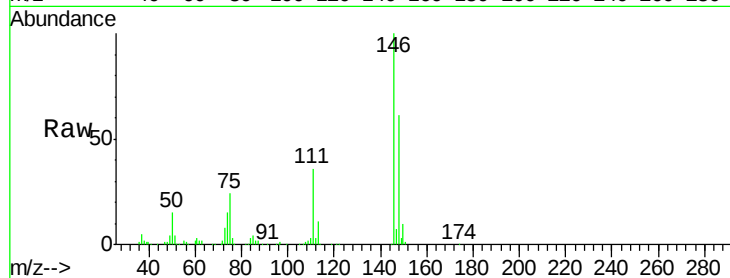
Tot Ion:146 Resp: 302883

Ion Ratio Lower Upper

146 100

111 36.2 19.0 57.0

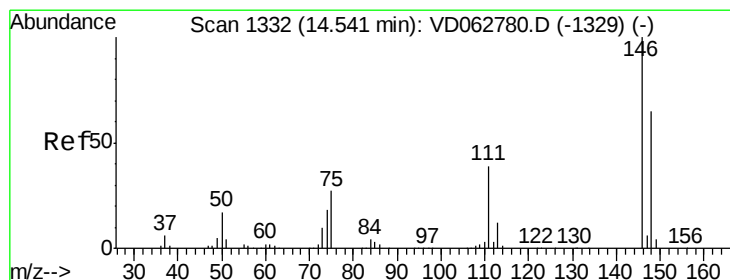
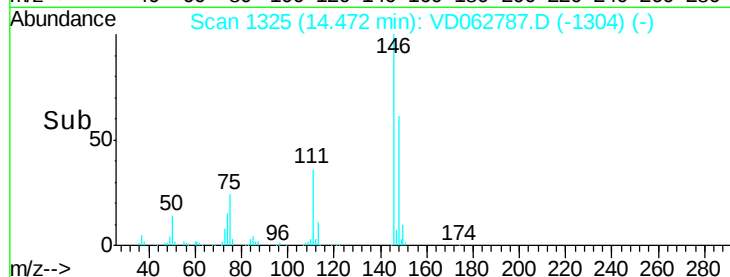
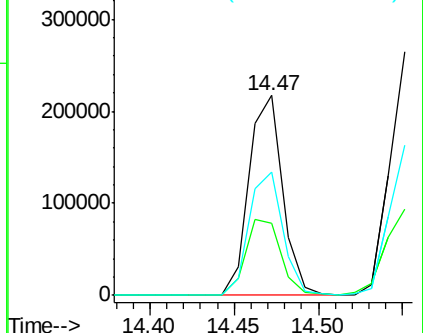
148 61.5 30.8 92.3



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: 16.827 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

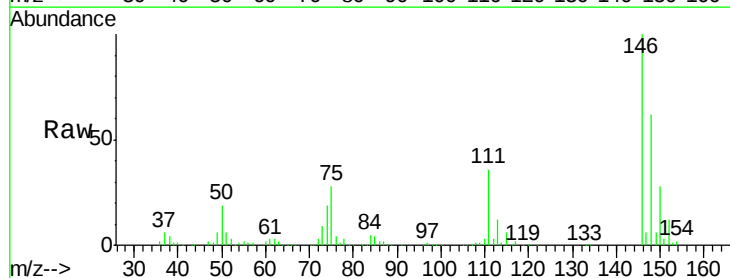
Tgt Ion:146 Resp: 314710

Ion Ratio Lower Upper

146 100

111 35.7 19.7 59.1

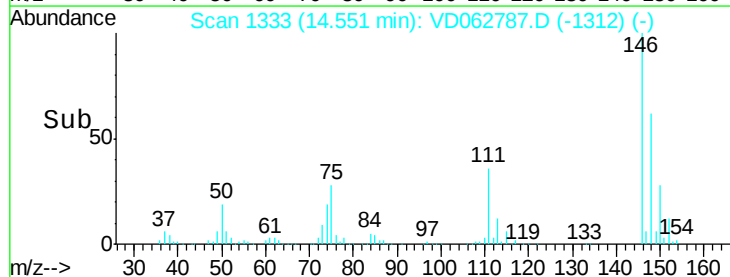
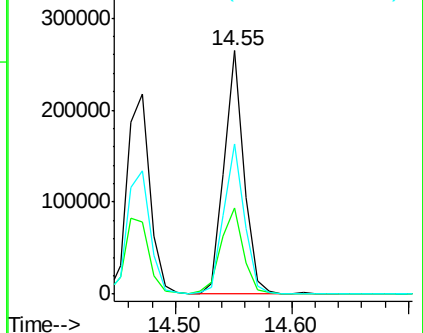
148 61.8 32.8 98.3

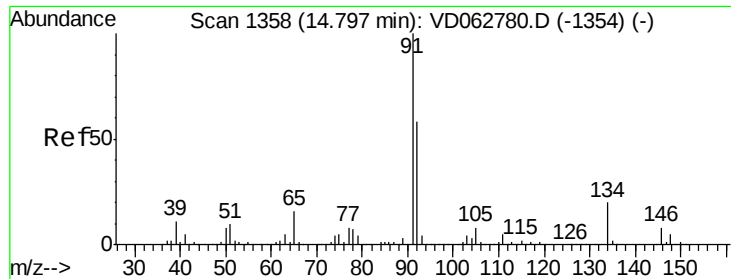


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.709 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS01

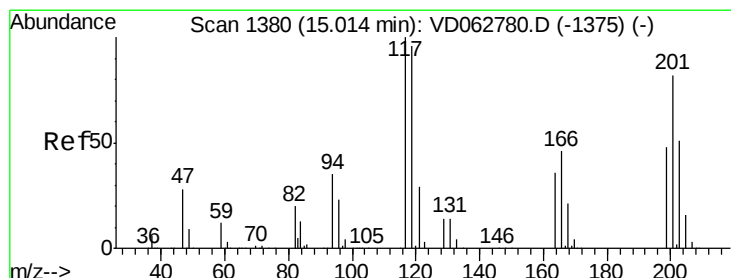
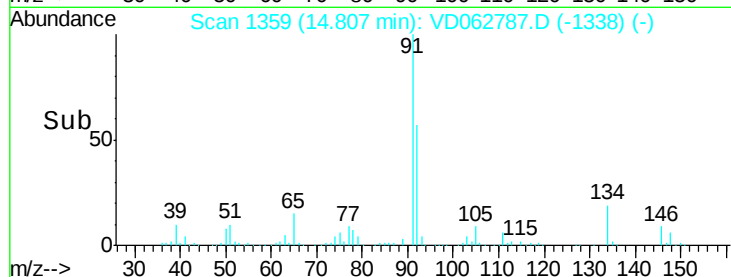
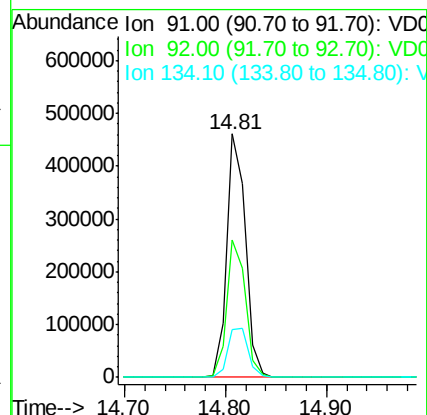
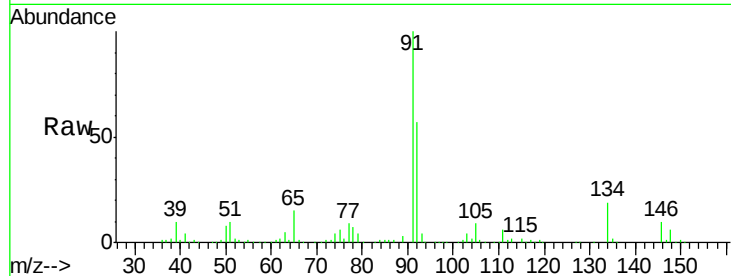
Tot Ion: 91 Resp: 595918

Ion Ratio Lower Upper

91 100

92 56.5 28.9 86.7

134 19.4 10.1 30.3



#90

Hexachloroethane

Concen: 16.192 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062787.D

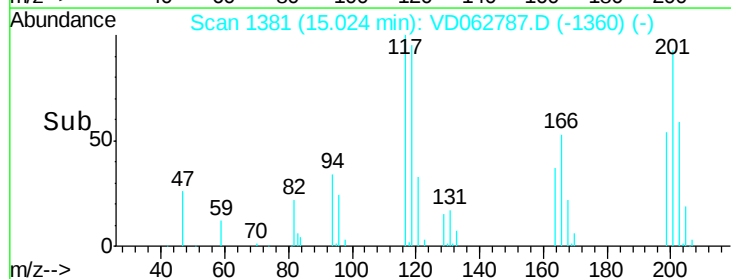
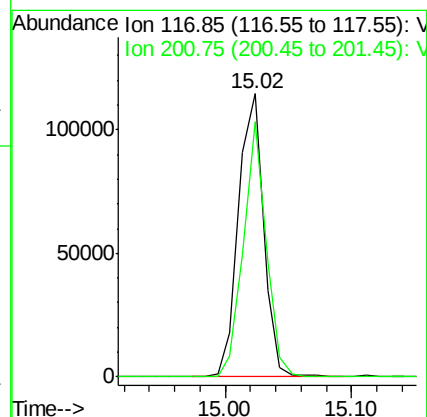
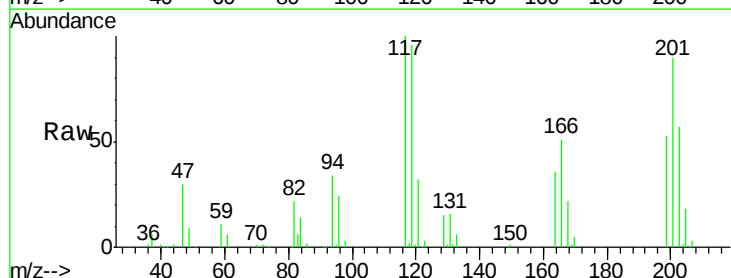
Acq: 20 Jun 2019 12:10

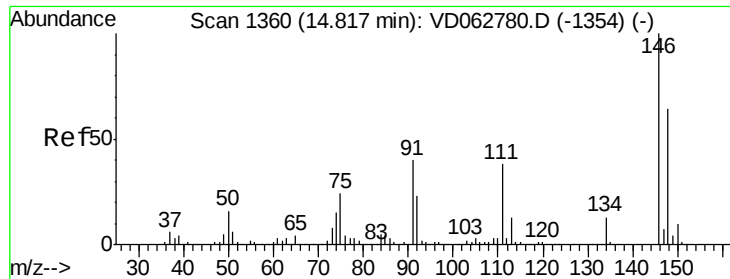
Tgt Ion: 117 Resp: 156523

Ion Ratio Lower Upper

117 100

201 90.0 40.8 122.2

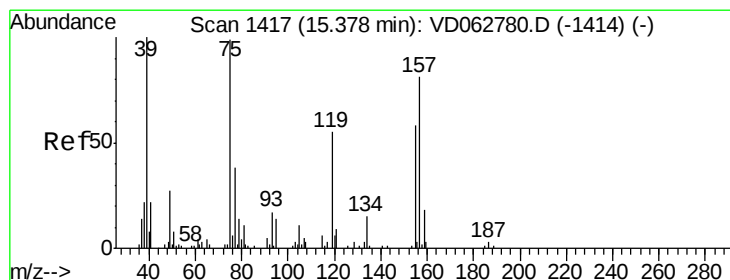
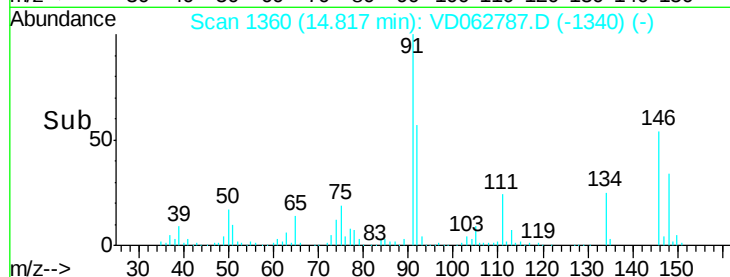
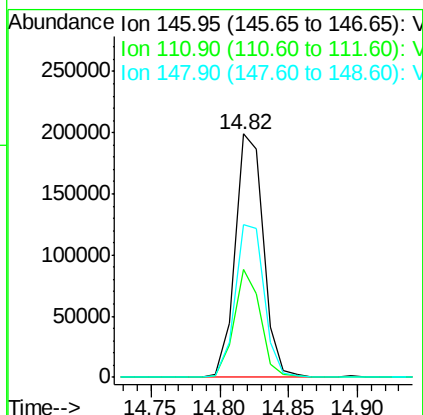
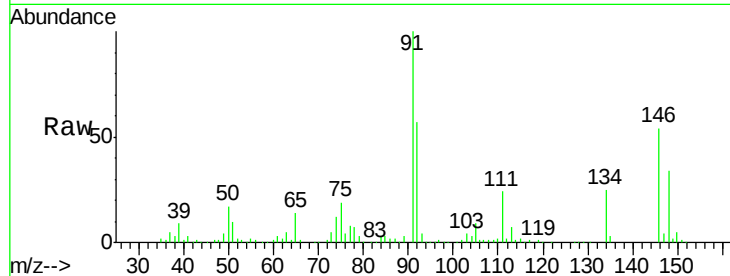




#91
 1,2-Dichlorobenzene
 Concen: 17.850 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

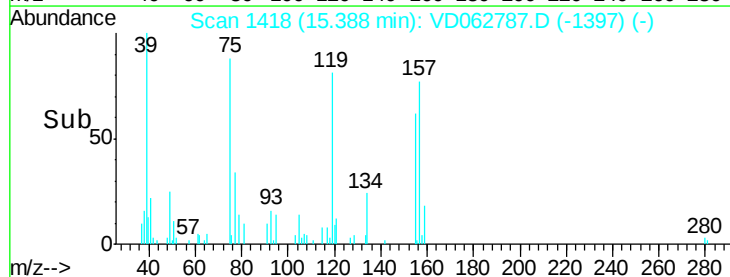
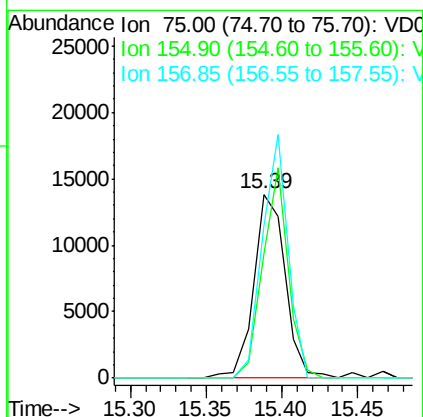
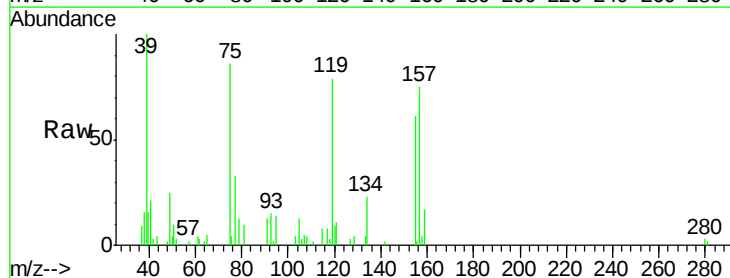
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

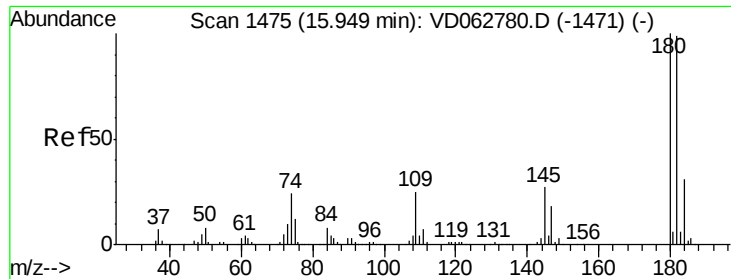
Tot Ion:146 Resp: 284383
 Ion Ratio Lower Upper
 146 100
 111 44.3 19.1 57.1
 148 63.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.398 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

Tgt Ion: 75 Resp: 20140
 Ion Ratio Lower Upper
 75 100
 155 67.5 29.3 87.8
 157 83.0 41.3 123.7

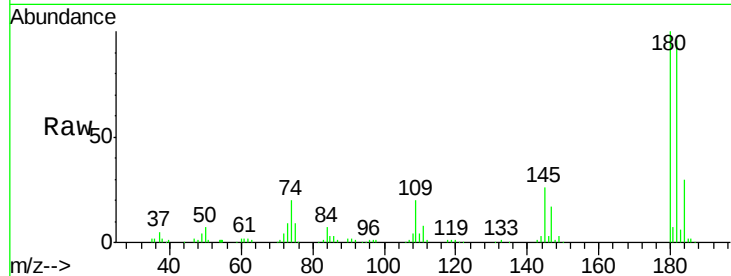




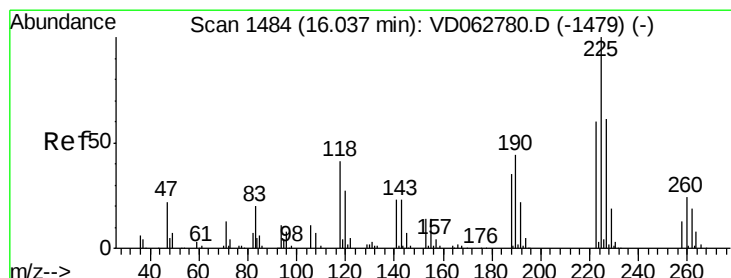
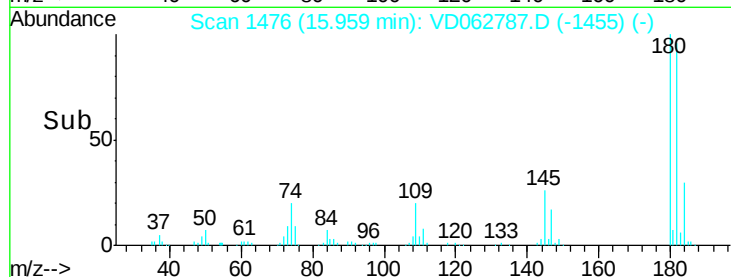
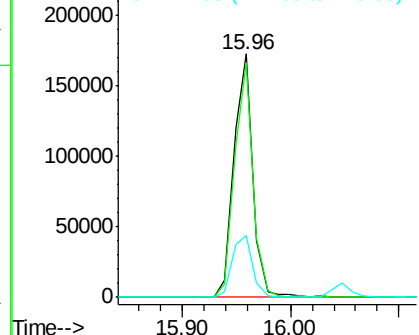
#93
 1,2,4-Trichlorobenzene
 Concen: 16.922 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

Tot Ion:180 Resp: 210602
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.5 148.5
 145 25.5 13.7 41.0

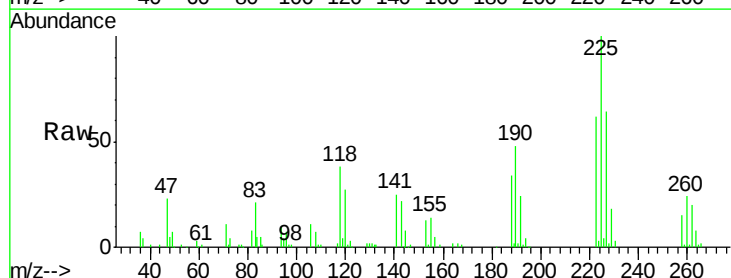


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

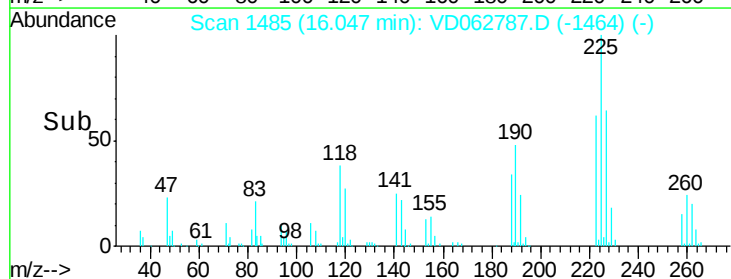
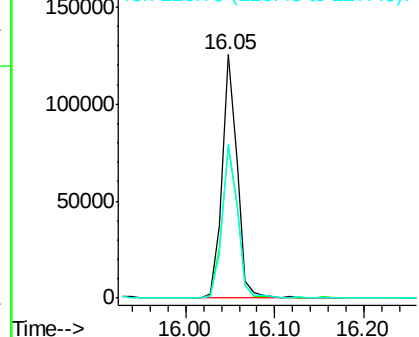


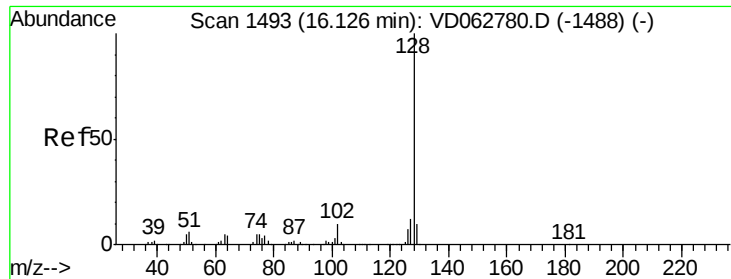
#94
 Hexachlorobutadiene
 Concen: 15.678 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062787.D
 Acq: 20 Jun 2019 12:10

Tgt Ion:225 Resp: 149060
 Ion Ratio Lower Upper
 225 100
 223 62.1 29.8 89.5
 227 63.5 30.6 91.6



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

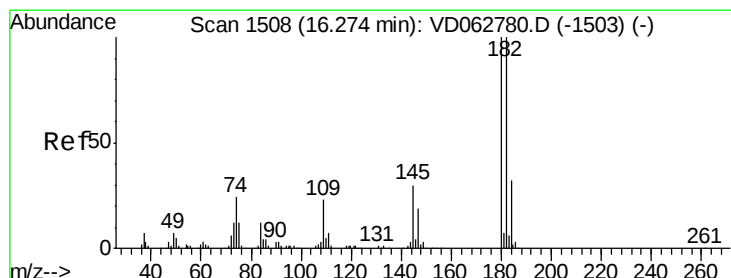
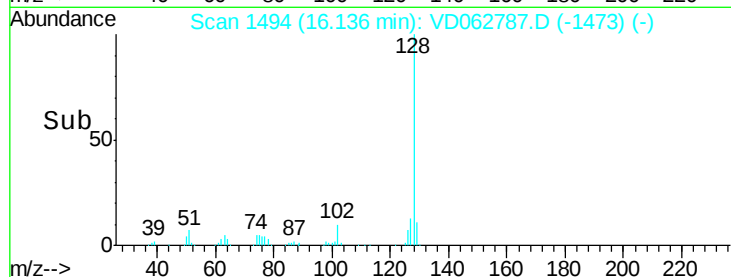
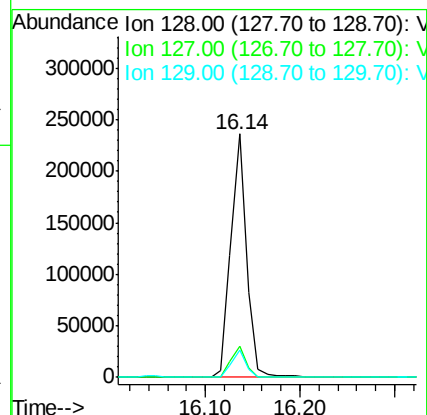
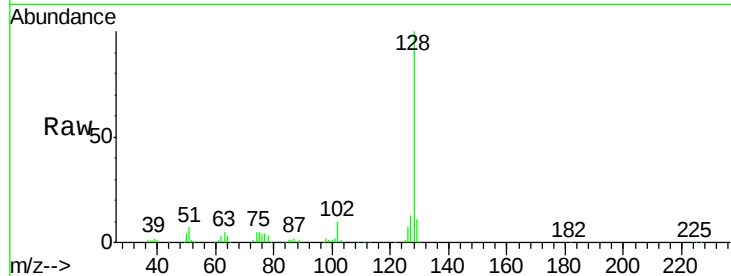




#95
Naphthalene
Concen: 15.647 ug/l
RT: 16.14 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS01

Tot Ion:128 Resp: 272939
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 11.0 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 16.308 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062787.D
Acq: 20 Jun 2019 12:10

Tgt Ion:180 Resp: 155943
Ion Ratio Lower Upper
180 100
182 90.1 49.9 149.6
145 28.3 15.2 45.5

