

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061555.D
 Acq On : 3 Apr 2019 14:37
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:42:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	659465	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1075152	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	845790	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	398838	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	283255	50.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	6.93	113	431962	52.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.42	98	1058901	53.74	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.48%	
62) 4-Bromofluorobenzene	13.56	95	432050	57.17	ug/l	0.01
Spiked Amount	50.000		Recovery	=	114.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	332190	47.167	ug/l	100
3) Chloromethane	1.77	50	269145	46.858	ug/l	98
4) Vinyl Chloride	1.86	62	259071	49.124	ug/l	96
5) Bromomethane	2.16	94	53862	51.504	ug/l	99
6) Chloroethane	2.28	64	88995	57.544	ug/l	97
7) Trichlorofluoromethane	2.54	101	412041	53.729	ug/l	99
8) Diethyl Ether	2.89	74	125945	51.008	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	418756	50.791	ug/l	97
10) Methyl Iodide	3.32	142	551837	44.442	ug/l	98
11) Tert butyl alcohol	4.07	59	92059	262.403	ug/l	97
12) 1,1-Dichloroethene	3.14	96	353429	49.930	ug/l	97
13) Acrolein	3.04	56	75306	284.926	ug/l	97
14) Allyl chloride	3.64	41	483507	48.973	ug/l	97
15) Acrylonitrile	4.21	53	302527	248.448	ug/l	98
16) Acetone	3.23	43	437913	302.392	ug/l	96
17) Carbon Disulfide	3.39	76	965197	41.968	ug/l	99
18) Methyl Acetate	3.65	43	154075	50.602	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	591393	48.266	ug/l	96
20) Methylene Chloride	3.83	84	384041	47.233	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	367264	48.057	ug/l	99
22) Diisopropyl ether	5.12	45	1032646	49.427	ug/l	91
23) Vinyl Acetate	5.06	43	2832305	249.572	ug/l	99
24) 1,1-Dichloroethane	4.99	63	595138	48.471	ug/l	100
25) 2-Butanone	6.08	43	485099	266.295	ug/l	97
26) 2,2-Dichloropropane	6.04	77	506290	51.871	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	405770	48.462	ug/l	93
28) Bromochloromethane	6.45	49	253185	51.083	ug/l #	99
29) Tetrahydrofuran	6.47	42	233029	263.921	ug/l	98
30) Chloroform	6.68	83	654513	51.590	ug/l	96
31) Cyclohexane	6.97	56	467254	48.157	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	588975	52.622	ug/l	96
36) 1,1-Dichloropropene	7.16	75	501206	53.413	ug/l	99
37) Ethyl Acetate	6.19	43	216895	54.046	ug/l	98
38) Carbon Tetrachloride	7.12	117	642871	59.620	ug/l	98

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 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	512214	52.411	ug/l	96
40) Benzene	7.47	78	1175698	49.923	ug/l	97
41) Methacrylonitrile	6.45	41	259116	55.221	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	402534	57.141	ug/l	99
43) Isopropyl Acetate	9.25	43	304985	52.232	ug/l	100
44) Trichloroethene	8.55	130	447496	51.059	ug/l	99
45) 1,2-Dichloropropane	8.94	63	286425	47.964	ug/l	98
46) Dibromomethane	9.07	93	213562	53.133	ug/l	92
47) Bromodichloromethane	9.38	83	504435	55.916	ug/l	98
48) Methyl methacrylate	9.13	41	167598	52.008	ug/l	97
49) 1,4-Dioxane	9.08	88	39742	1118.105	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	907241	255.385	ug/l	97
52) Toluene	10.52	92	789970	54.983	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	456649	55.714	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	535844	53.690	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	258159	51.379	ug/l	96
56) Ethyl methacrylate	11.05	69	293321	54.341	ug/l	97
57) 1,3-Dichloropropane	11.41	76	399972	54.158	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	676318	257.282	ug/l	96
59) 2-Hexanone	11.54	43	714847	277.734	ug/l	100
60) Dibromochloromethane	11.69	129	398234	51.411	ug/l	100
61) 1,2-Dibromoethane	11.81	107	294901	50.685	ug/l	97
64) Tetrachloroethene	11.26	164	343549	51.755	ug/l	96
65) Chlorobenzene	12.41	112	909352	52.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	364470	54.458	ug/l	97
67) Ethyl Benzene	12.53	91	1413533	53.576	ug/l	97
68) m/p-Xylenes	12.67	106	1053047	105.366	ug/l	96
69) o-Xylene	13.06	106	498224	51.371	ug/l	98
70) Styrene	13.08	104	842486	49.832	ug/l	97
71) Bromoform	13.23	173	234391	55.248	ug/l	98
73) Isopropylbenzene	13.41	105	1480993	53.352	ug/l	99
74) N-amyl acetate	13.27	43	392296	50.732	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	279310	47.699	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	271806	47.178	ug/l	100
77) Bromobenzene	13.68	156	403482	49.030	ug/l	83
78) n-propylbenzene	13.78	91	1603172	47.193	ug/l	95
79) 2-Chlorotoluene	13.84	91	978634	53.057	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1088372	50.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	91371	52.015	ug/l	97
82) 4-Chlorotoluene	13.95	91	1047868	52.247	ug/l	96
83) tert-Butylbenzene	14.19	119	1262955	46.922	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1141176	48.941	ug/l	99
85) sec-Butylbenzene	14.38	105	1474188	51.556	ug/l	96
86) p-Isopropyltoluene	14.49	119	1274365	52.705	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	671643	48.197	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	702157	51.668	ug/l	97
89) n-Butylbenzene	14.80	91	1047798	47.214	ug/l	99
90) Hexachloroethane	15.02	117	349402	51.151	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	540586	47.293	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	37866	55.135	ug/l	94

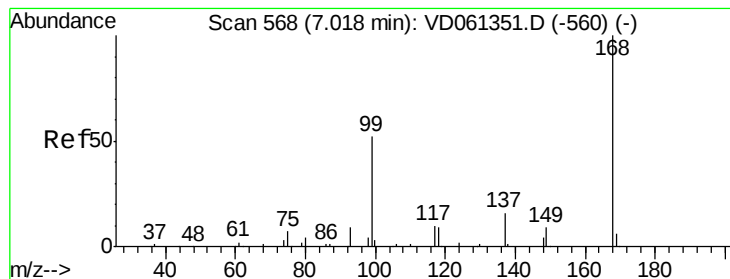
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	315255	60.544	ug/l	100
94) Hexachlorobutadiene	16.04	225	231264	56.837	ug/l	99
95) Naphthalene	16.13	128	475949	59.967	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	150994	65.898	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

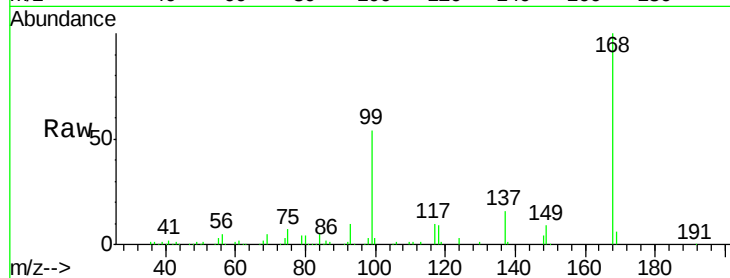
ClientSampled :

Tot Ion:168 Resp: 659465

Ion Ratio Lower Upper

168 100

99 54.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

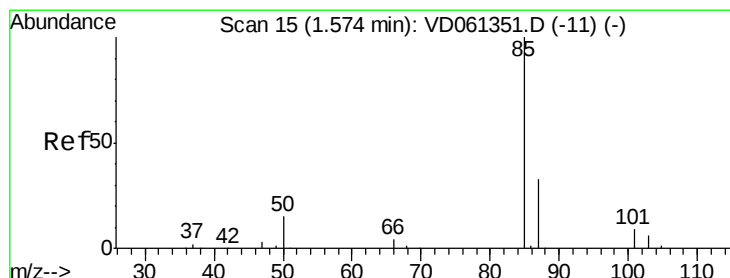
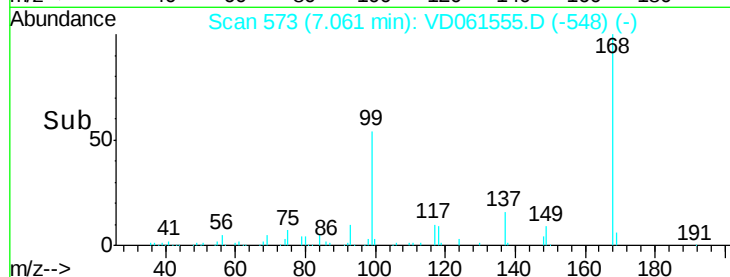
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 47.167 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061555.D

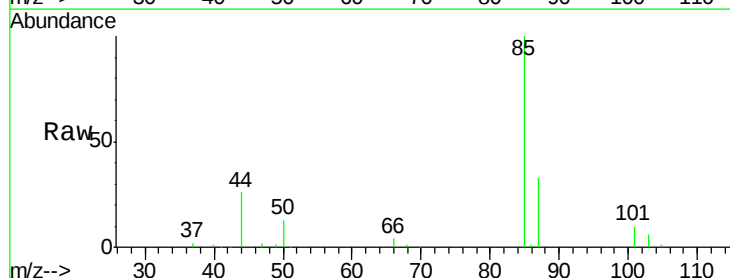
Acq: 3 Apr 2019 14:37

Tgt Ion: 85 Resp: 332190

Ion Ratio Lower Upper

85 100

87 33.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

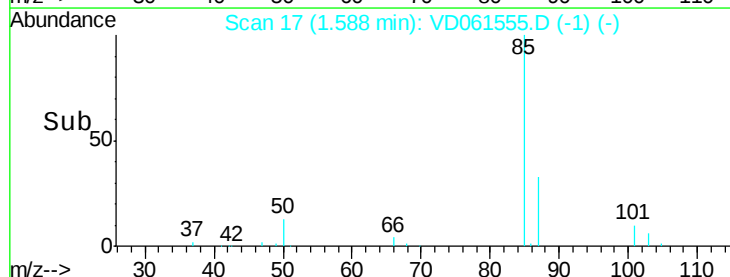
150000

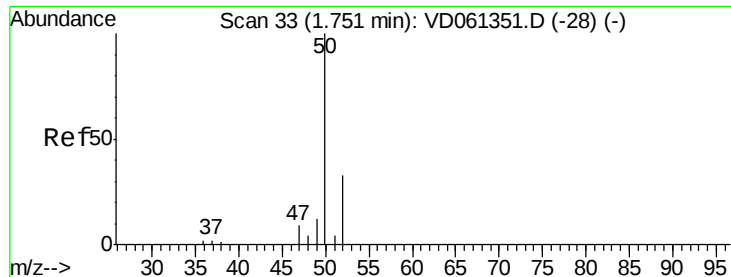
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 46.858 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

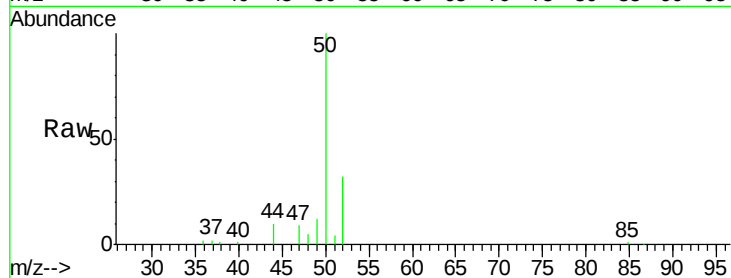
ClientSampleId :

Tot Ion: 50 Resp: 269145

Ion Ratio Lower Upper

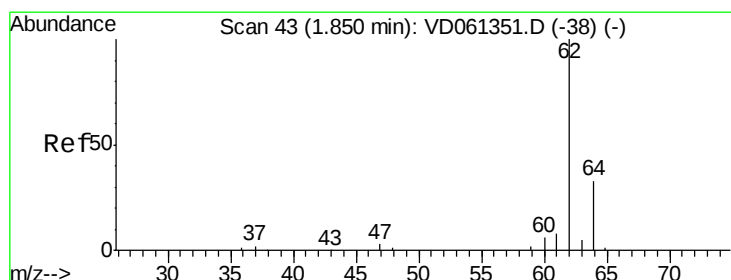
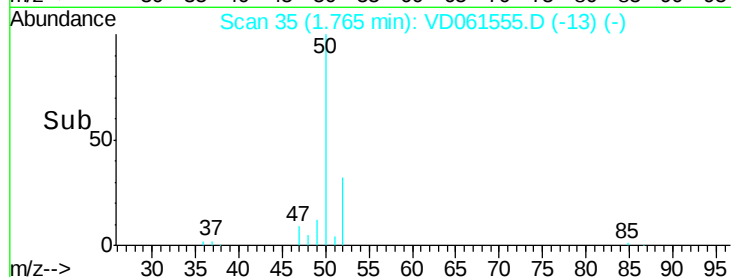
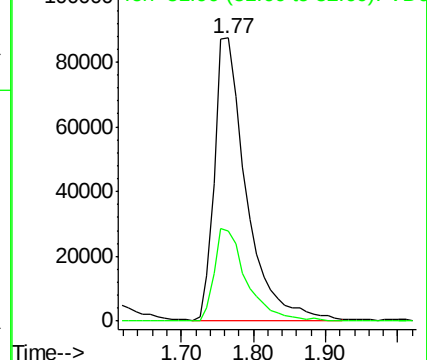
50 100

52 31.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.124 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061555.D

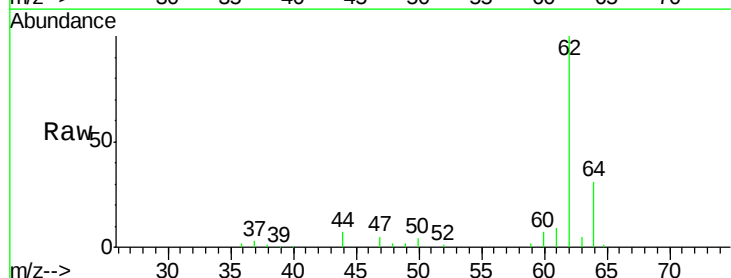
Acq: 3 Apr 2019 14:37

Tgt Ion: 62 Resp: 259071

Ion Ratio Lower Upper

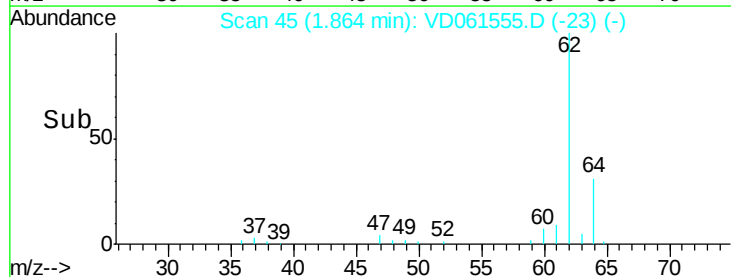
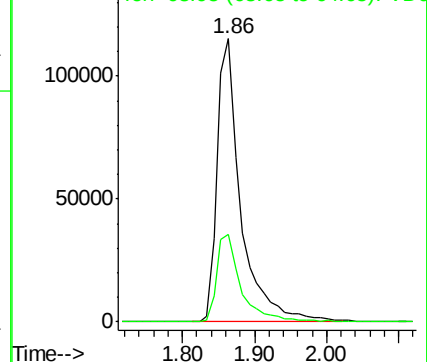
62 100

64 30.7 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

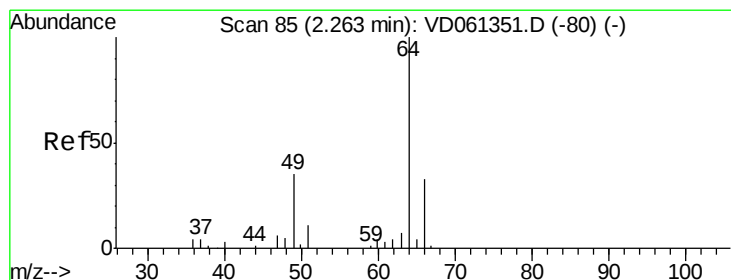
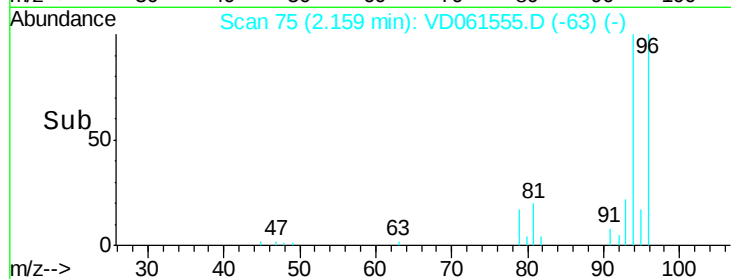
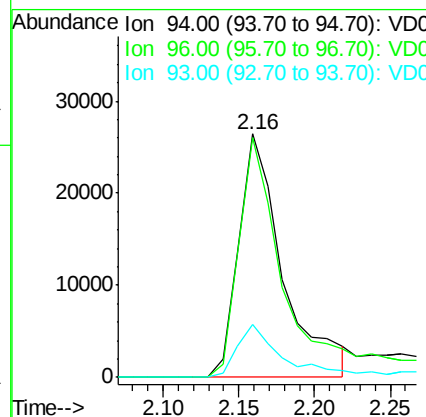
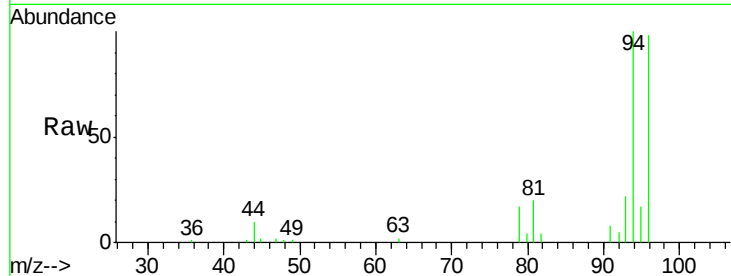




#5
Bromomethane
Concen: 51.504 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

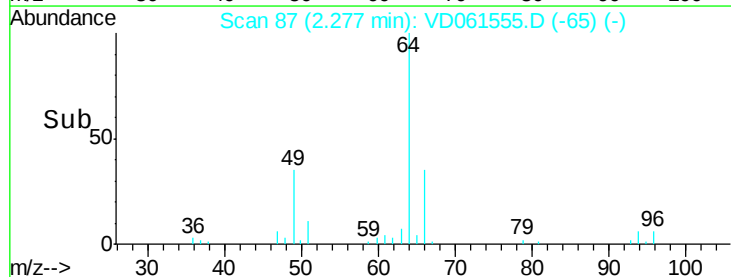
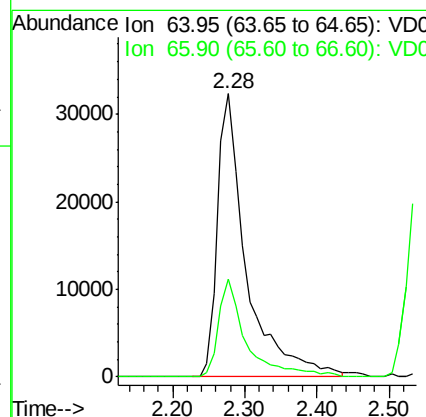
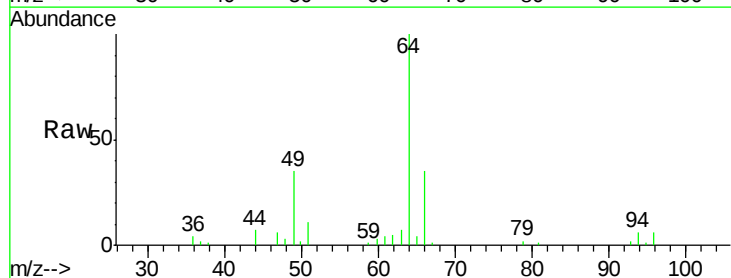
Instrument :
MSVOA_D
ClientSampleId :

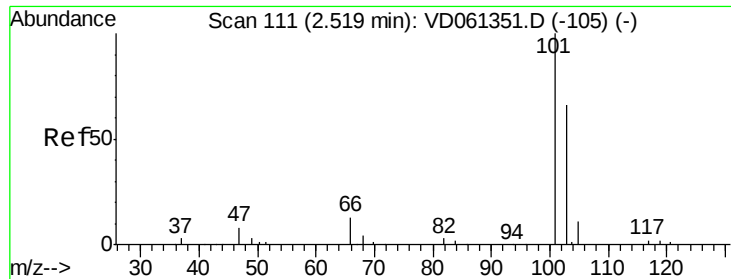
Tot Ion: 94 Resp: 53862
Ion Ratio Lower Upper
94 100
96 98.3 78.3 117.5
93 21.5 15.6 23.4



#6
Chloroethane
Concen: 57.544 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 64 Resp: 88995
Ion Ratio Lower Upper
64 100
66 34.5 26.2 39.2



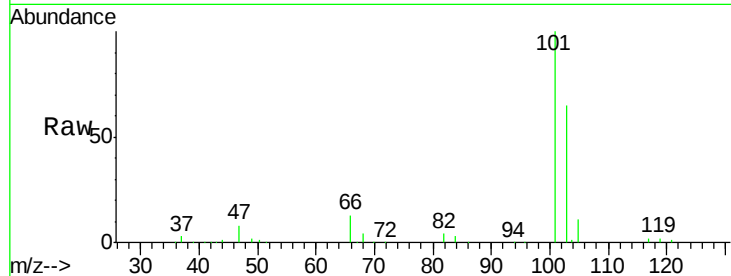


#7

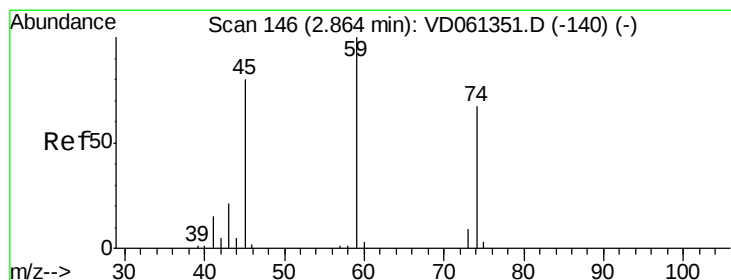
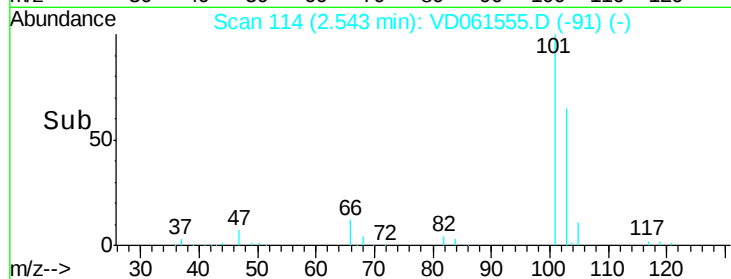
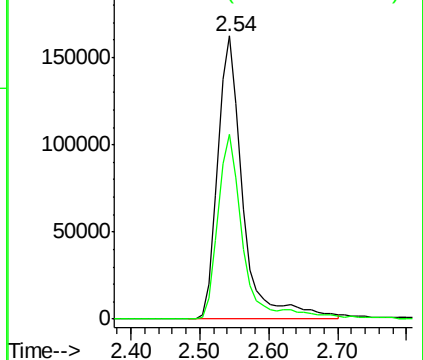
Trichlorofluoromethane
 Concen: 53.729 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 412041
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.1 79.7



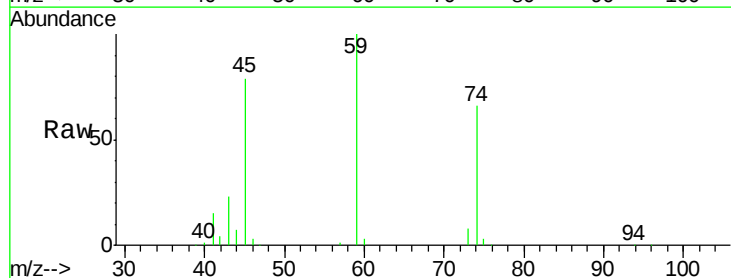
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



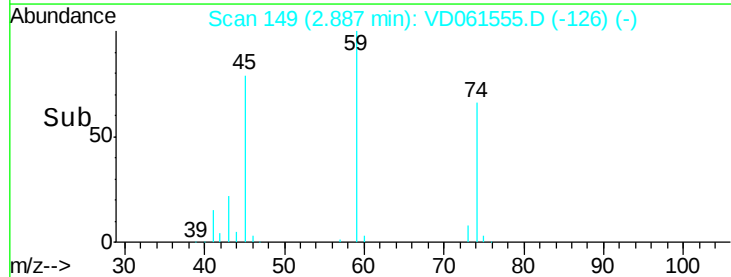
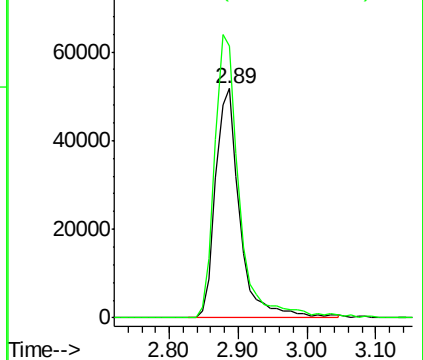
#8

Diethyl Ether
 Concen: 51.008 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Tgt Ion: 74 Resp: 125945
 Ion Ratio Lower Upper
 74 100
 45 118.8 59.7 179.1



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: 50.791 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

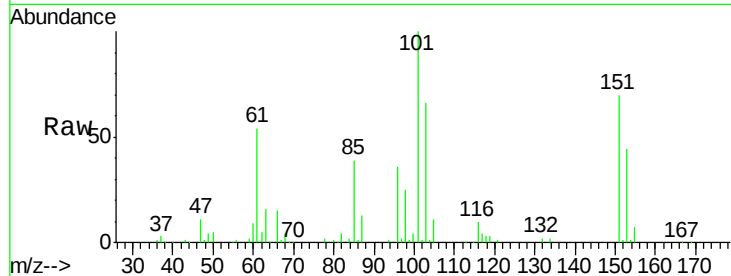
Tot Ion:101 Resp: 418756

Ion Ratio Lower Upper

101 100

85 39.3 29.4 44.0

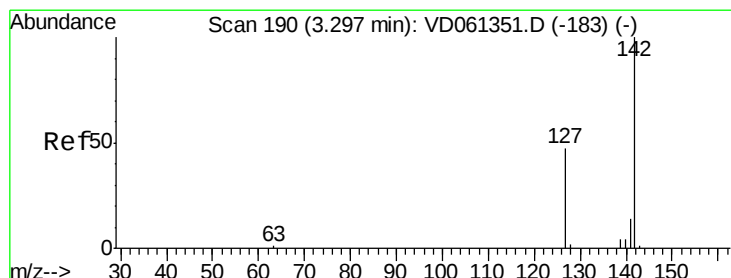
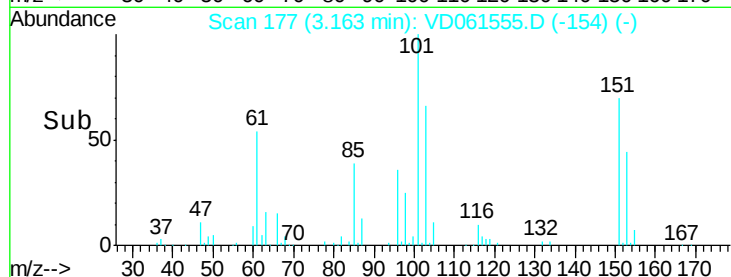
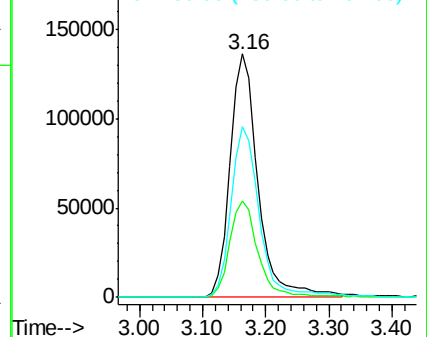
151 69.9 57.0 85.4



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: 44.442 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

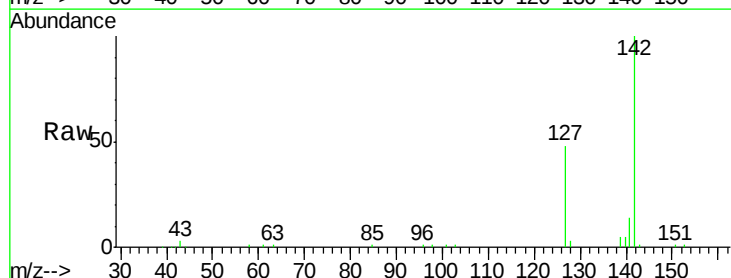
Tgt Ion:142 Resp: 551837

Ion Ratio Lower Upper

142 100

127 48.4 37.7 56.5

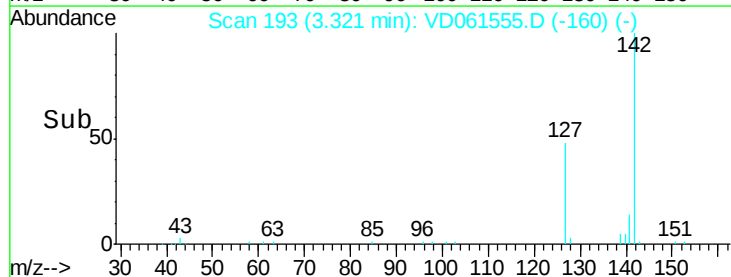
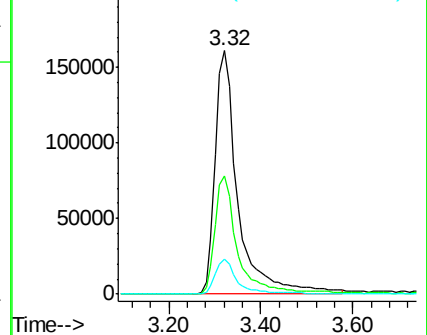
141 14.2 11.5 17.3

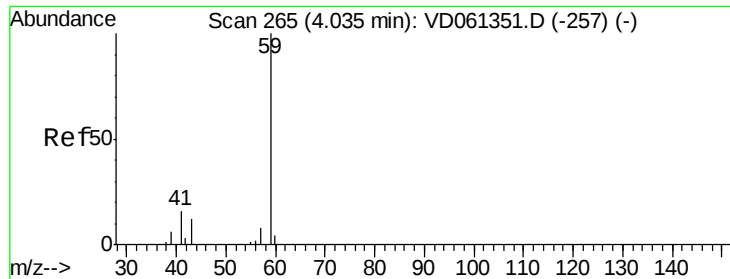


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



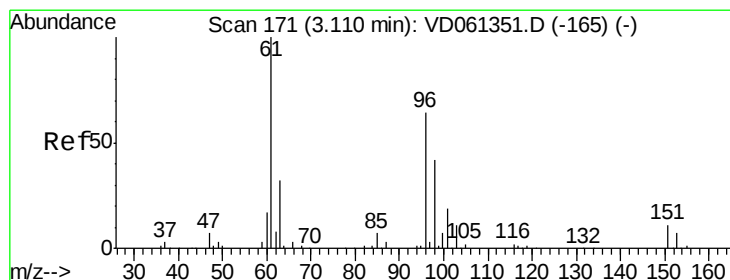
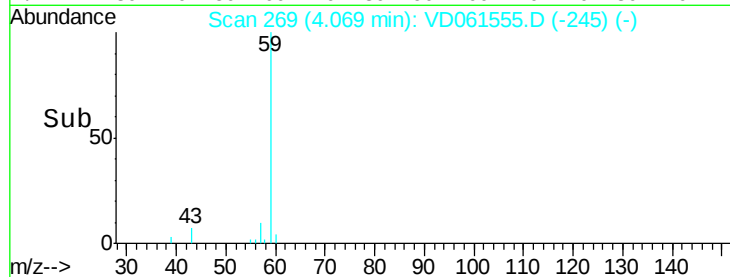
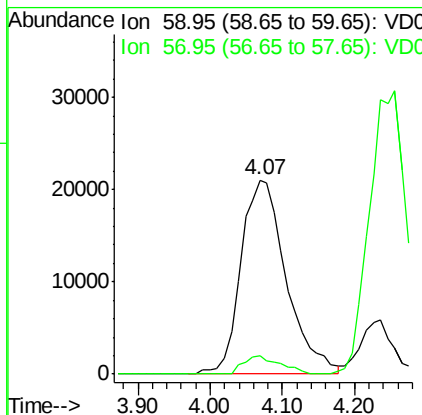
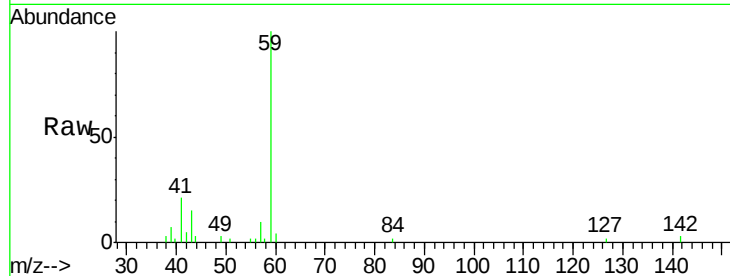


#11

Tert butyl alcohol
Concen: 262.403 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :

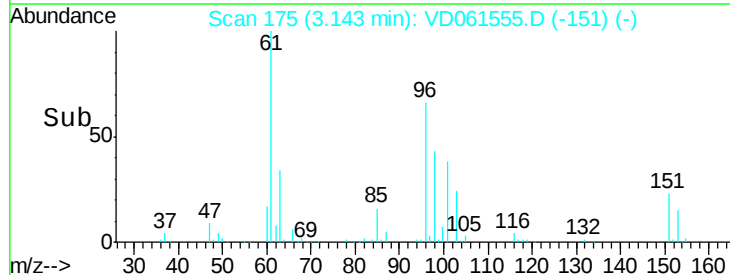
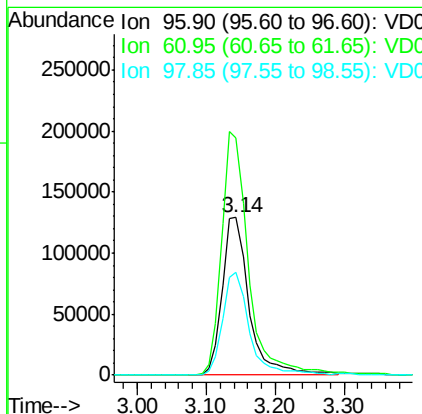
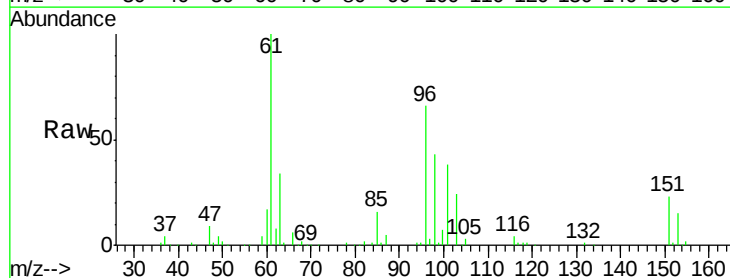
Tot Ion: 59 Resp: 92059
Ion Ratio Lower Upper
59 100
57 9.5 6.7 10.1

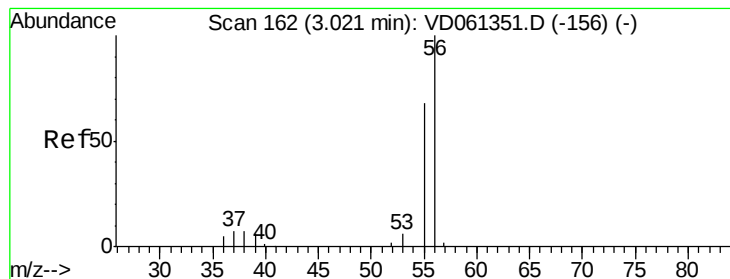


#12

1,1-Dichloroethene
Concen: 49.930 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 96 Resp: 353429
Ion Ratio Lower Upper
96 100
61 150.8 124.9 187.3
98 65.5 52.5 78.7





#13

Acrolein

Concen: 284.926 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

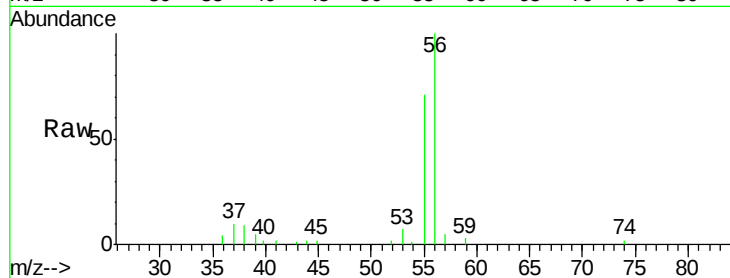
ClientSampleId :

Tot Ion: 56 Resp: 75306

Ion Ratio Lower Upper

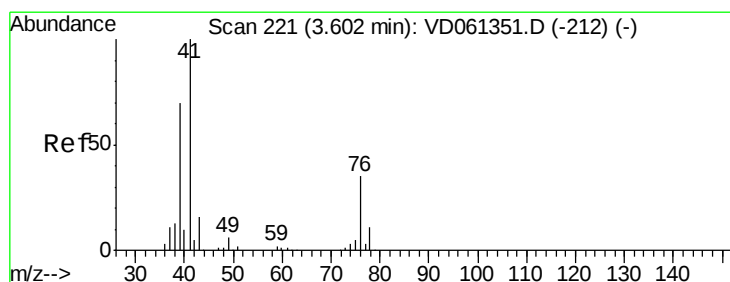
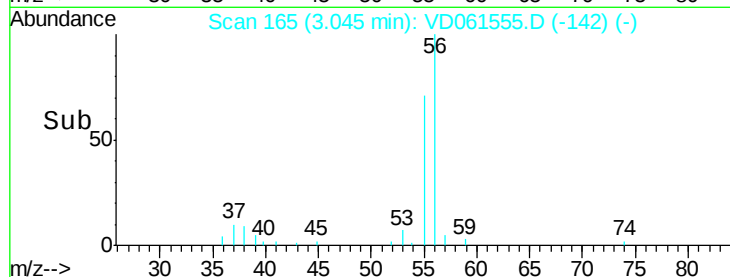
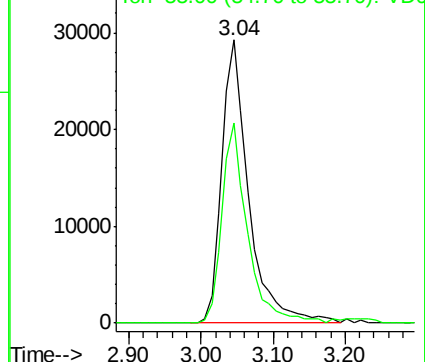
56 100

55 70.9 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.973 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

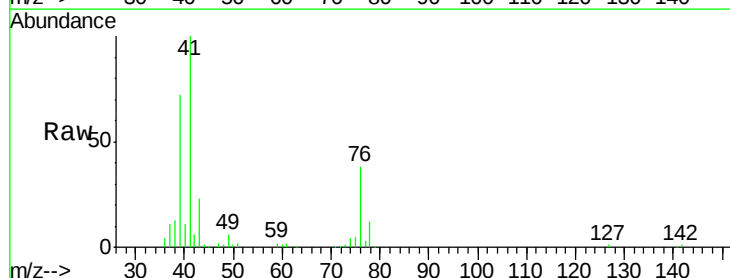
Tgt Ion: 41 Resp: 483507

Ion Ratio Lower Upper

41 100

39 72.2 55.6 83.4

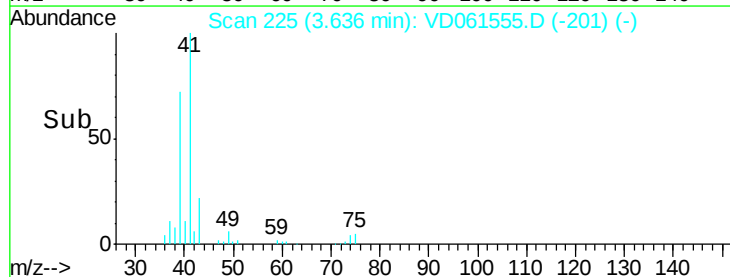
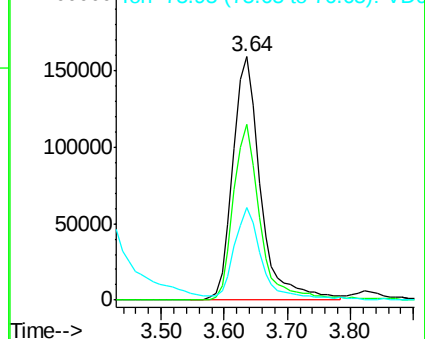
76 38.1 31.0 46.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 248.448 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :

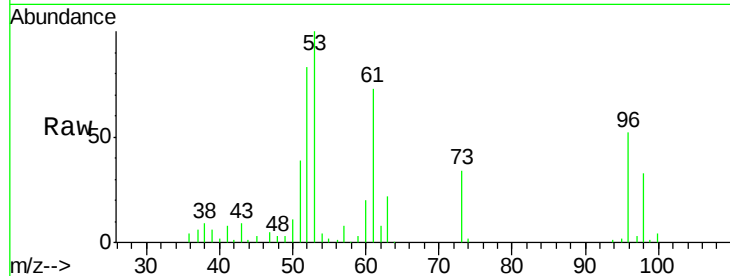
Tot Ion: 53 Resp: 302527

Ion Ratio Lower Upper

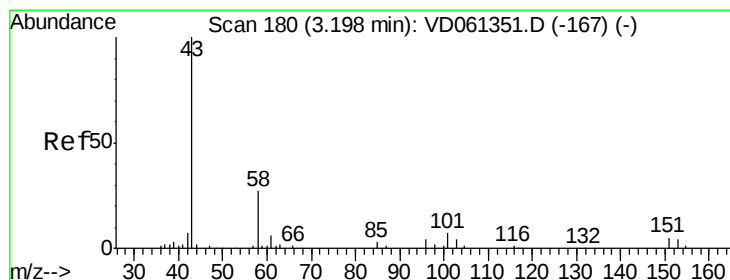
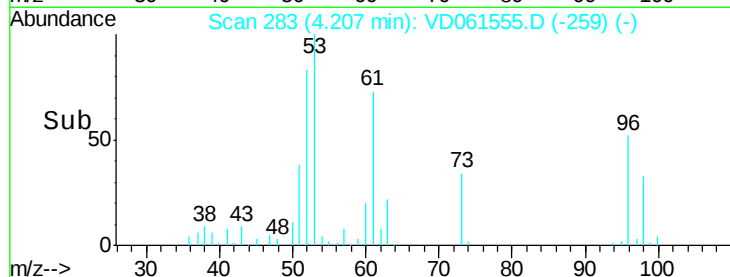
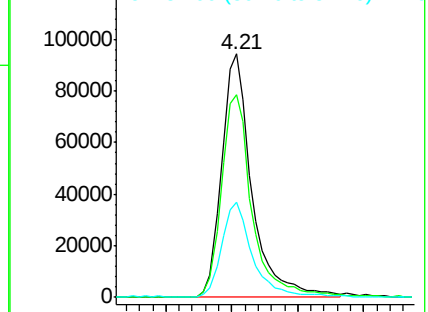
53 100

52 83.1 64.8 97.2

51 38.9 31.4 47.2



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: 302.392 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD061555.D

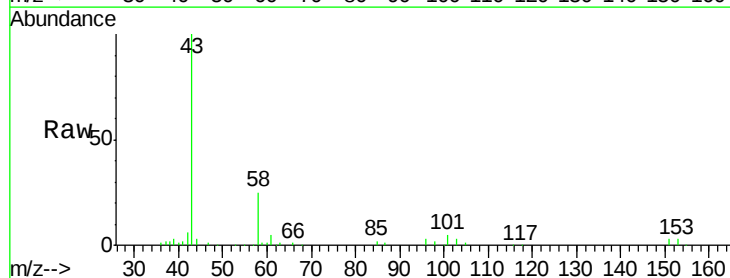
Acq: 3 Apr 2019 14:37

Tgt Ion: 43 Resp: 437913

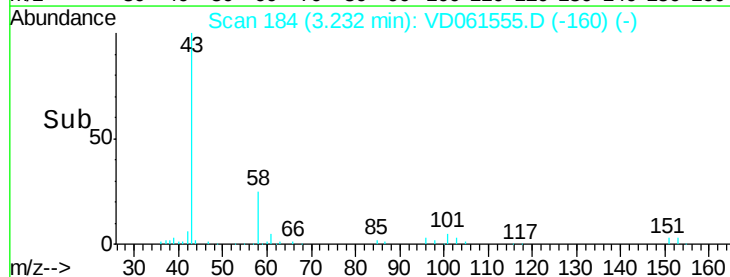
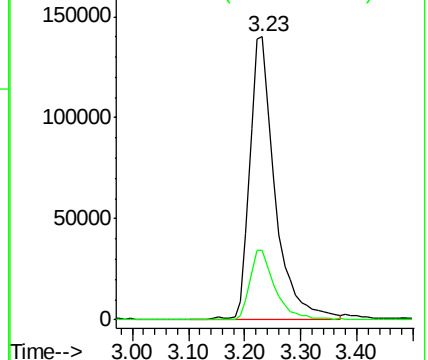
Ion Ratio Lower Upper

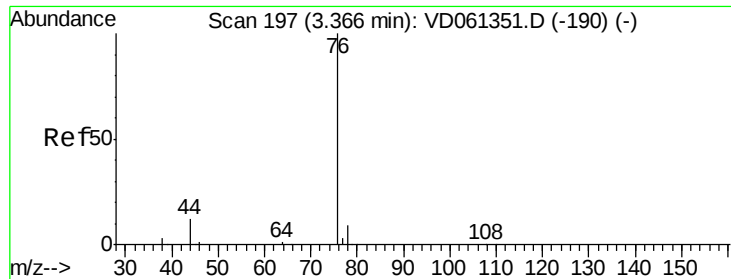
43 100

58 24.7 21.5 32.3



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

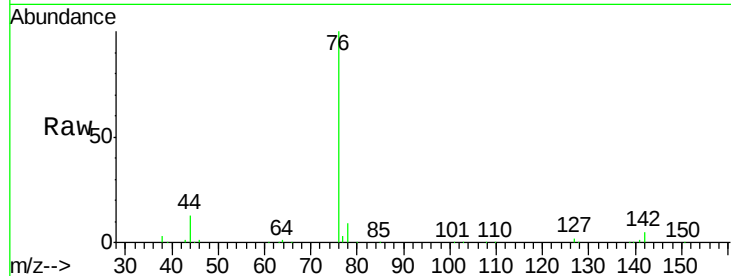




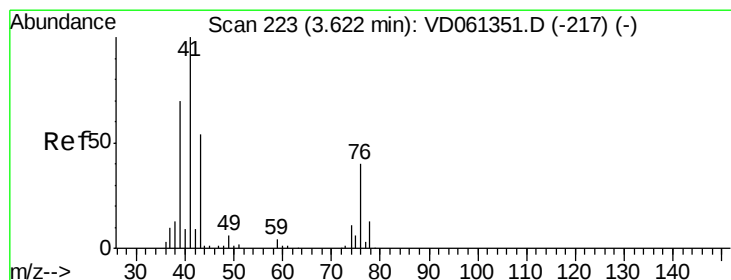
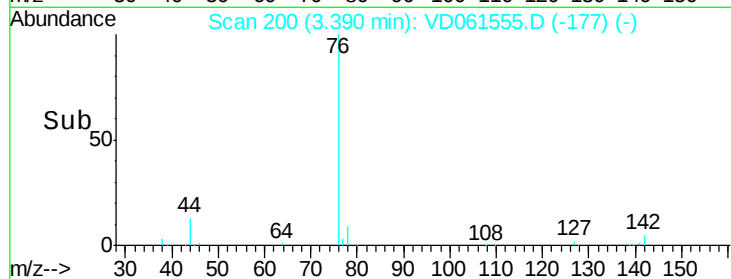
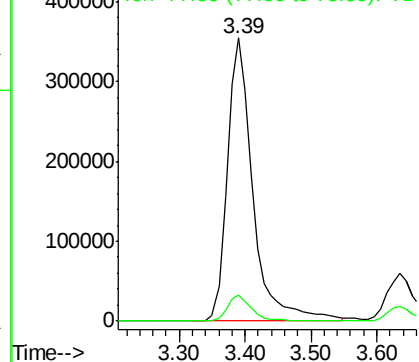
#17
Carbon Disulfide
Concen: 41.968 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.02 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 965197
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

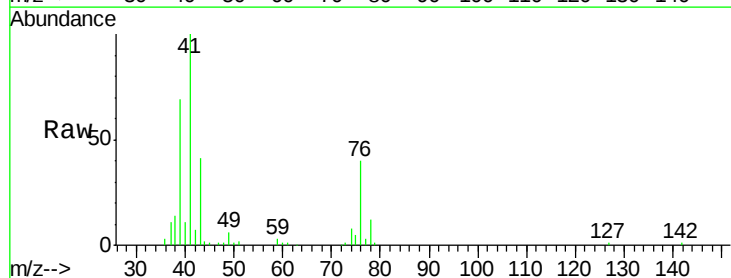


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

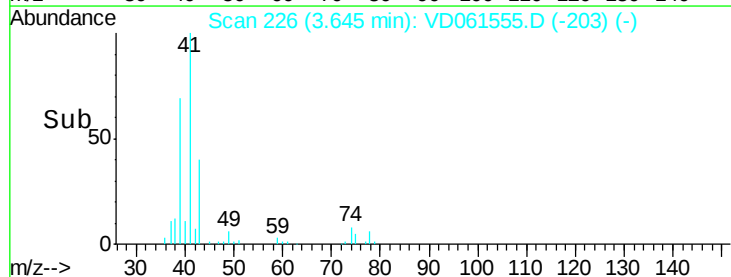
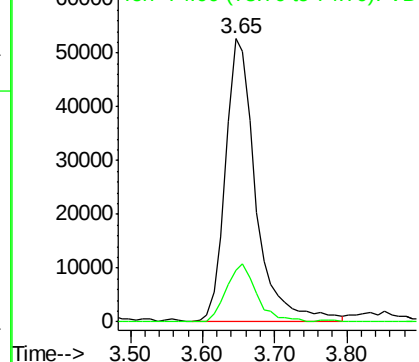


#18
Methyl Acetate
Concen: 50.602 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 43 Resp: 154075
Ion Ratio Lower Upper
43 100
74 18.5 16.7 25.1



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

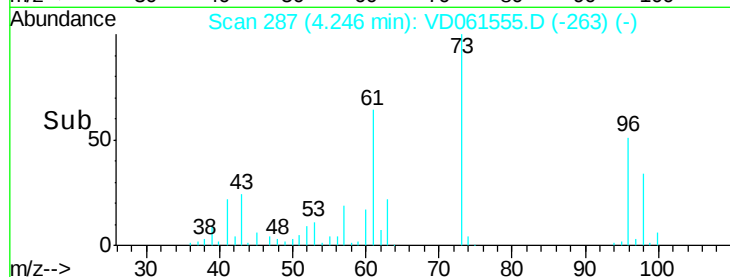
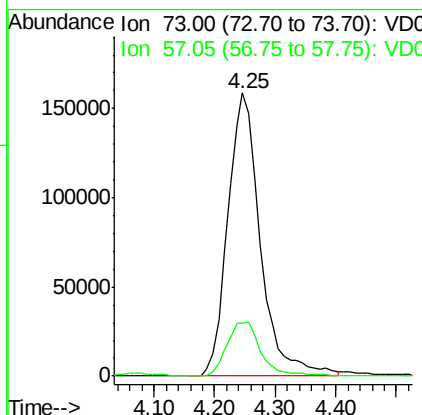
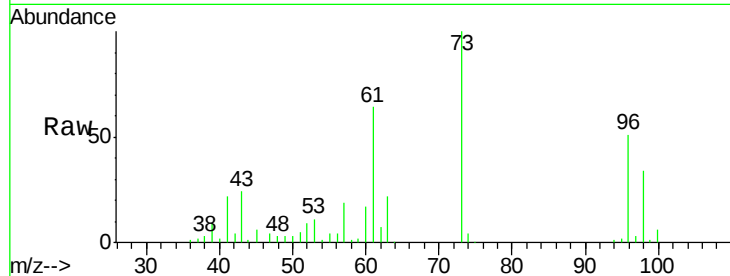




#19
Methyl tert-butyl Ether
Concen: 48.266 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

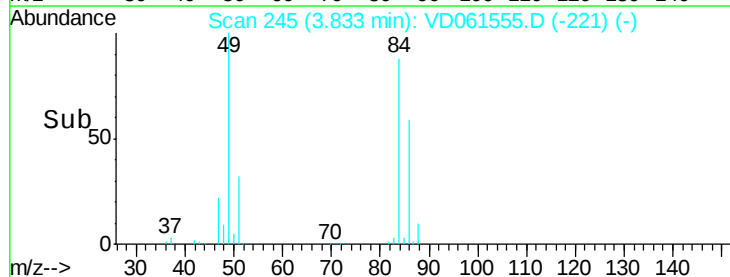
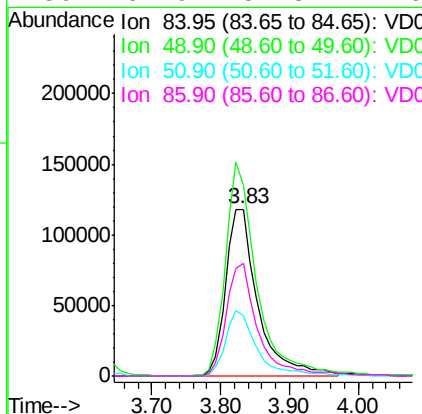
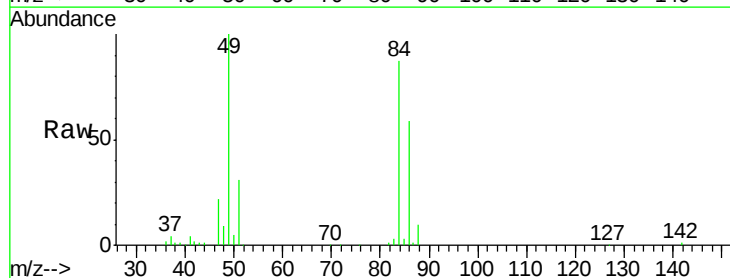
Instrument :
MSVOA_D
ClientSampleID :

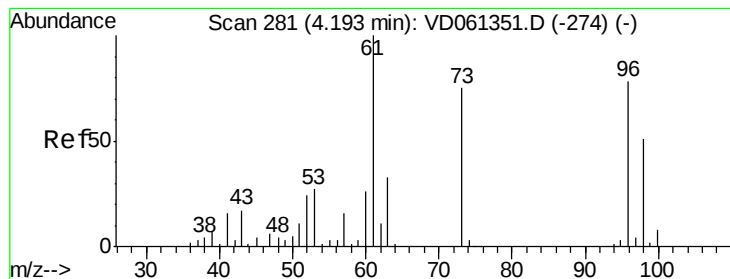
Tot Ion: 73 Resp: 591393
Ion Ratio Lower Upper
73 100
57 18.5 16.4 24.6



#20
Methylene Chloride
Concen: 47.233 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 84 Resp: 384041
Ion Ratio Lower Upper
84 100
49 114.7 91.8 137.8
51 36.0 29.8 44.8
86 67.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.057 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampled :

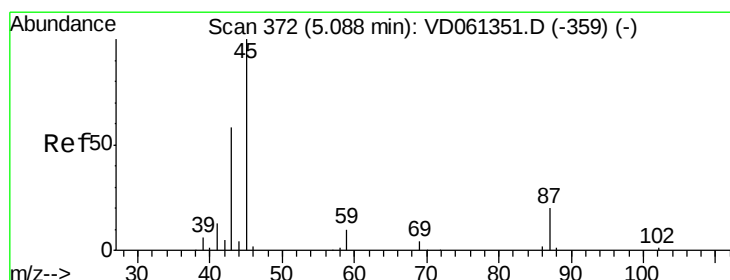
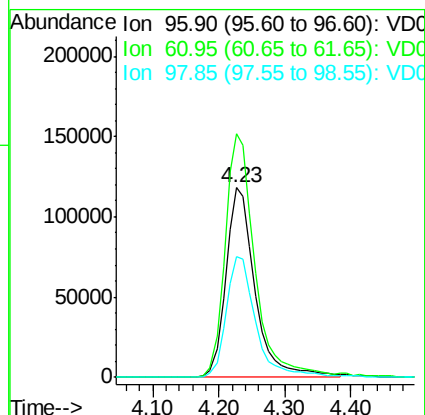
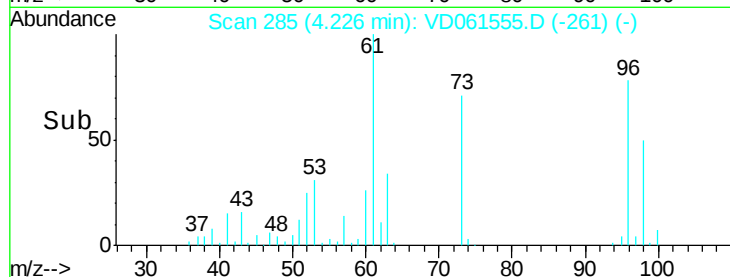
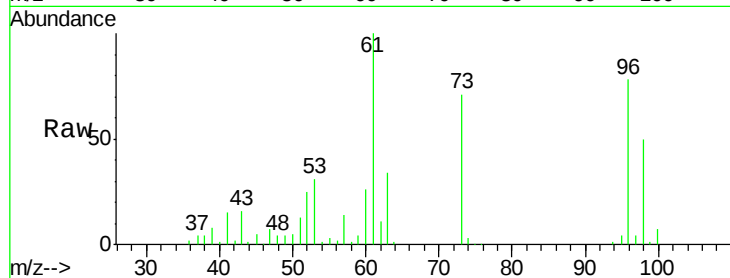
Tot Ion: 96 Resp: 367264

Ion Ratio Lower Upper

96 100

61 128.3 102.7 154.1

98 63.9 52.2 78.4



#22

Diisopropyl ether

Concen: 49.427 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Tgt Ion: 45 Resp: 1032646

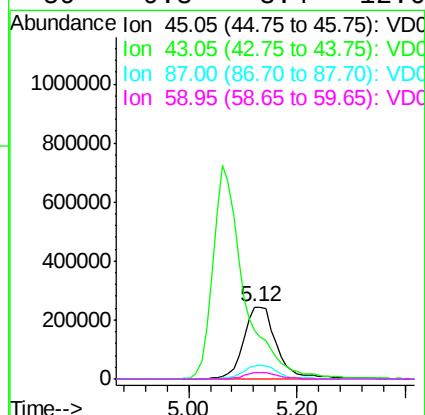
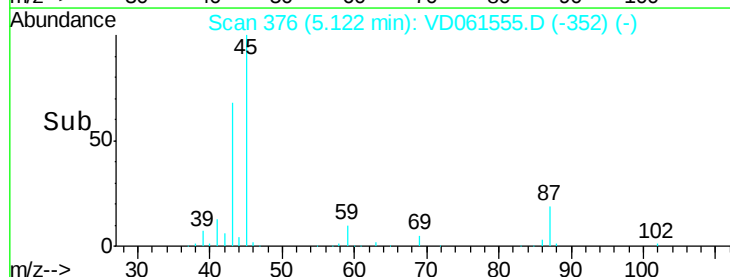
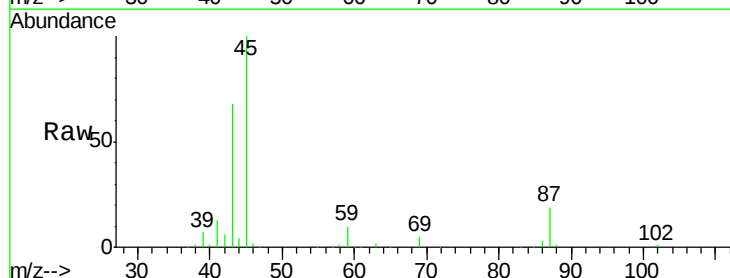
Ion Ratio Lower Upper

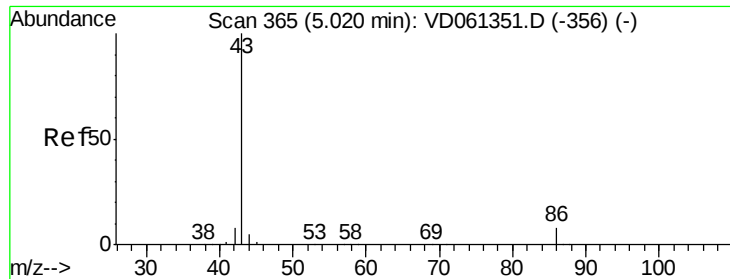
45 100

43 67.8 47.4 71.2

87 18.6 16.3 24.5

59 9.8 8.4 12.6





#23

Vinyl Acetate

Concen: 249.572 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

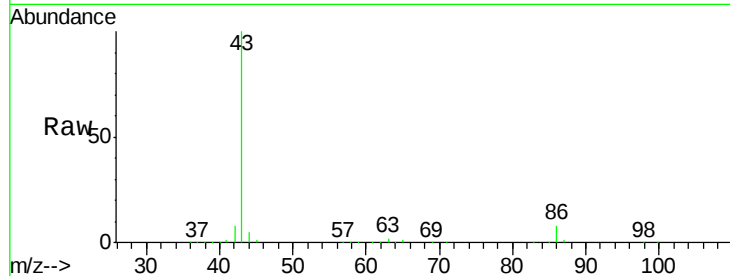
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2832305

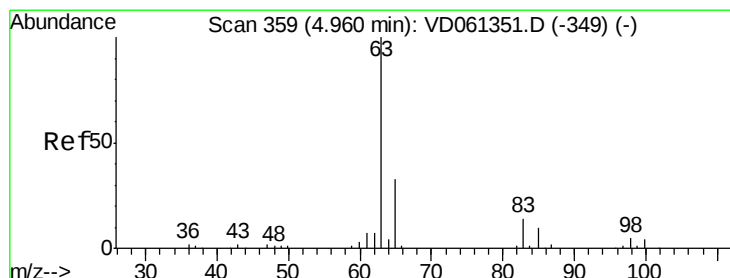
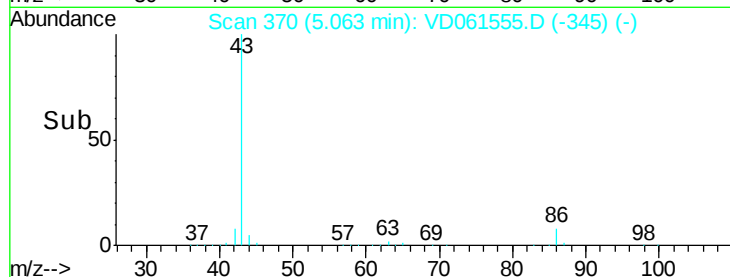
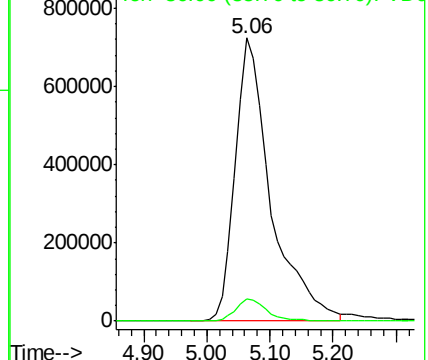
Ion Ratio Lower Upper

43 100

86 7.9 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.471 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

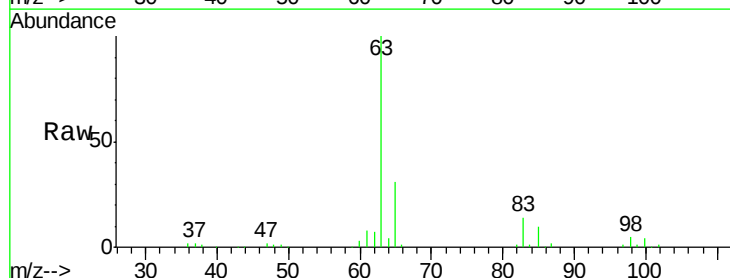
Tgt Ion: 63 Resp: 595138

Ion Ratio Lower Upper

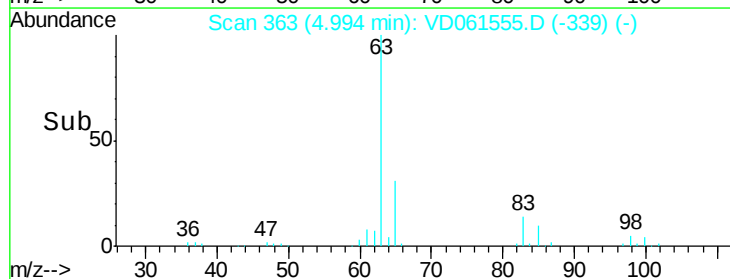
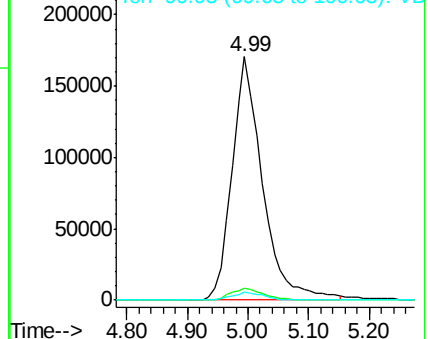
63 100

98 5.1 2.6 8.0

100 3.6 1.8 5.3



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: 266.295 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

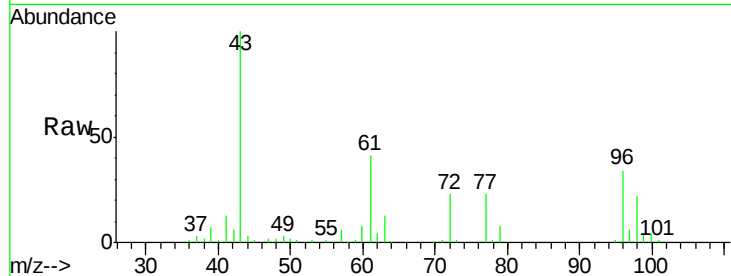
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 485099

Ion Ratio Lower Upper

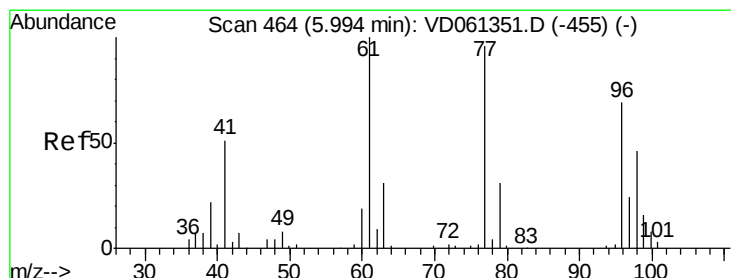
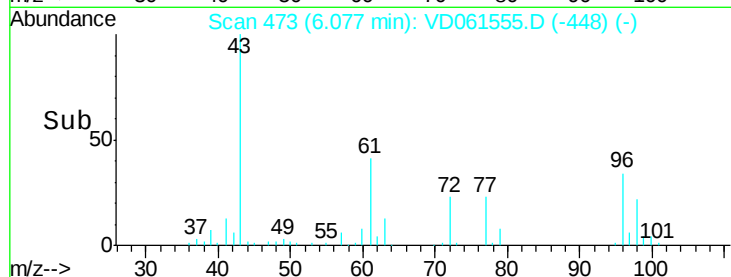
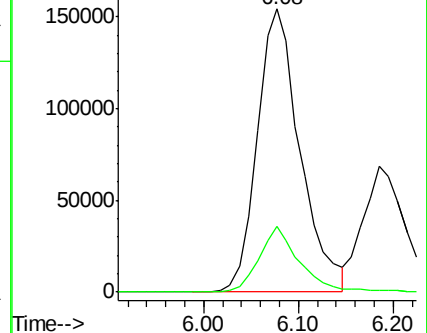
43 100

72 23.0 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.871 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD061555.D

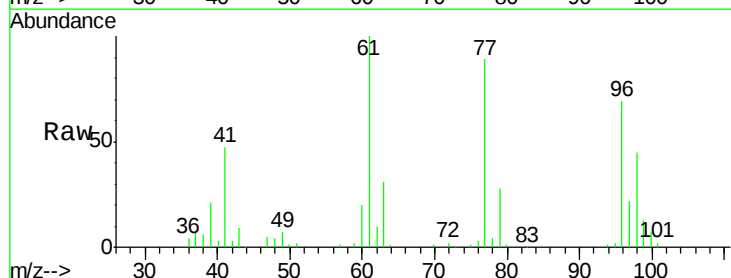
Acq: 3 Apr 2019 14:37

Tgt Ion: 77 Resp: 506290

Ion Ratio Lower Upper

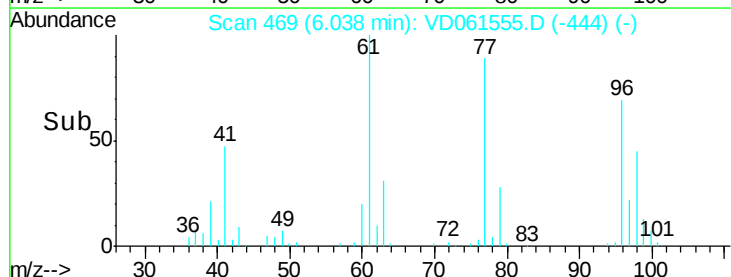
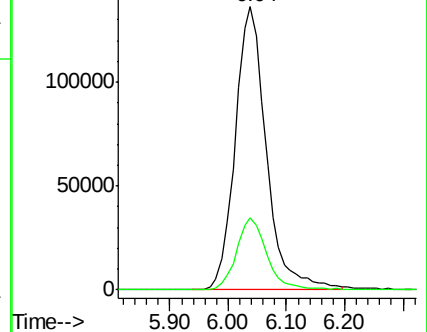
77 100

97 25.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

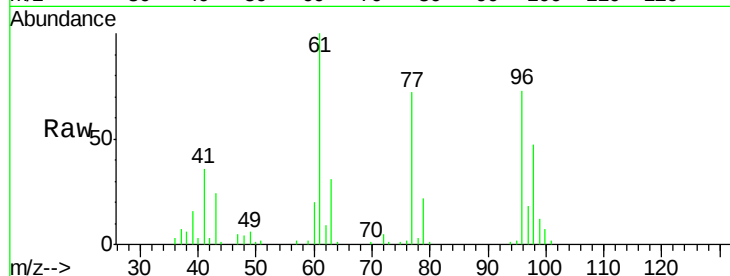




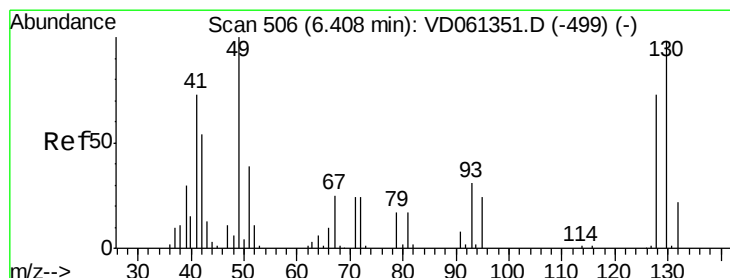
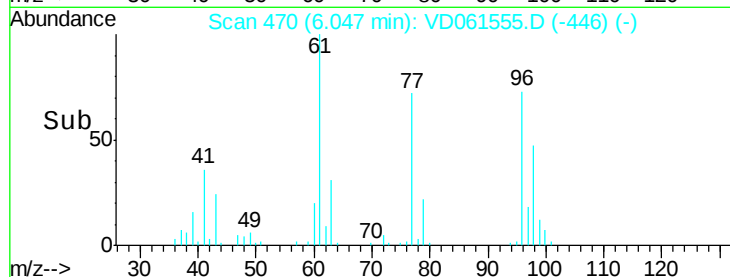
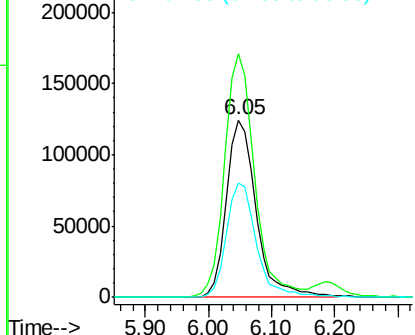
#27
 cis-1,2-Dichloroethene
 Concen: 48.462 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.03 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 405770
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 251.6
 98 64.6 0.0 129.2

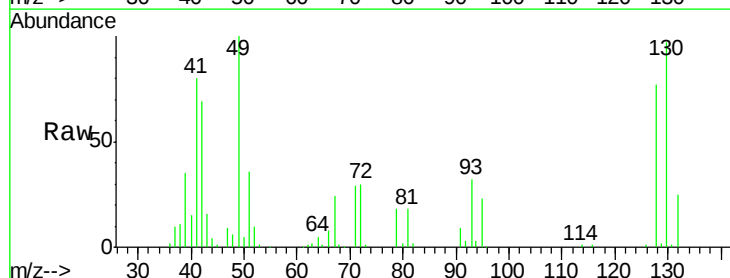


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

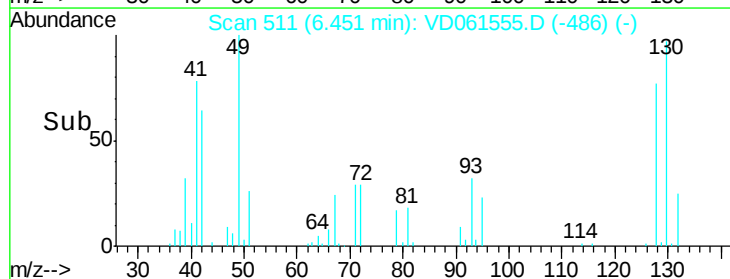
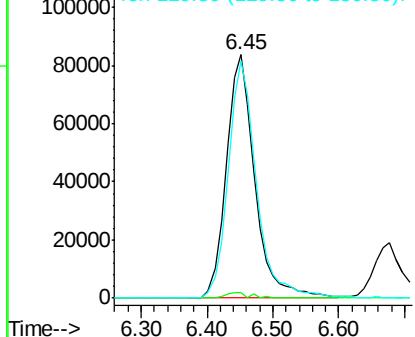


#28
 Bromochloromethane
 Concen: 51.083 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.04 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Tgt Ion: 49 Resp: 253185
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 0.0#
 130 97.4 78.4 117.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

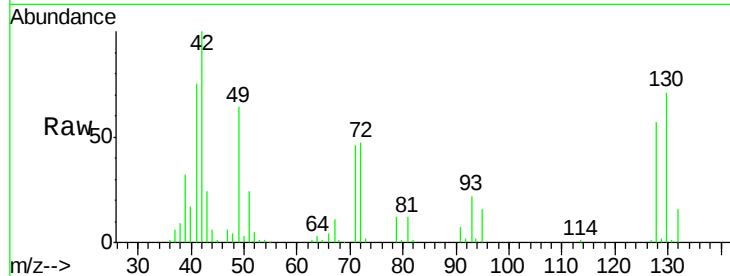




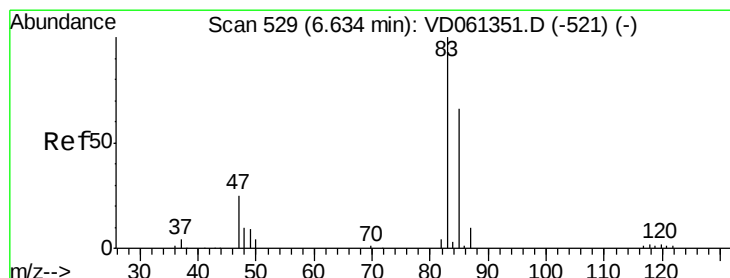
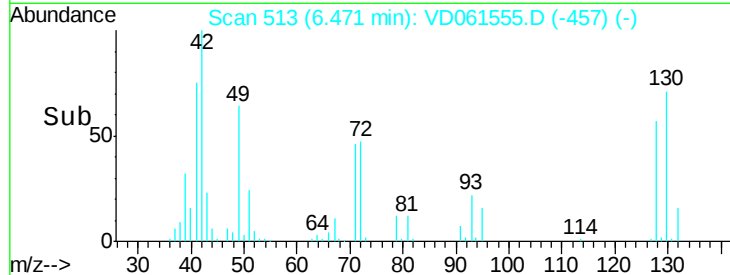
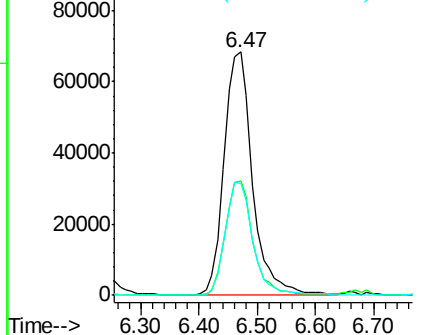
#29
Tetrahydrofuran
Concen: 263.921 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 233029
Ion Ratio Lower Upper
42 100
72 45.6 37.4 56.0
71 44.8 36.7 55.1

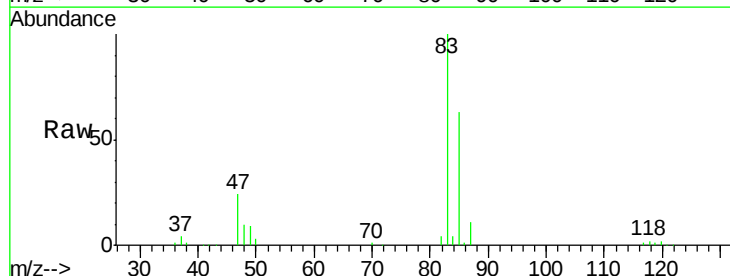


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

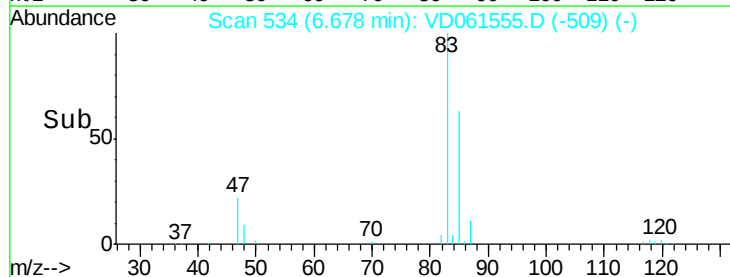
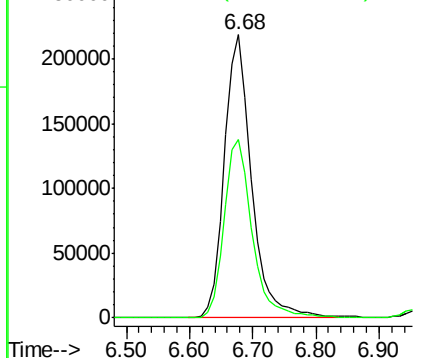


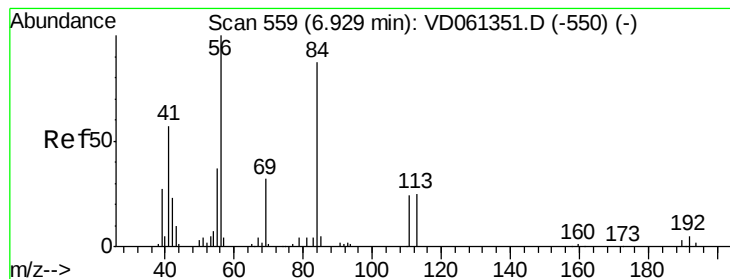
#30
Chloroform
Concen: 51.590 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 83 Resp: 654513
Ion Ratio Lower Upper
83 100
85 63.0 53.0 79.4



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





#31

Cyclohexane

Concen: 48.157 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampled :

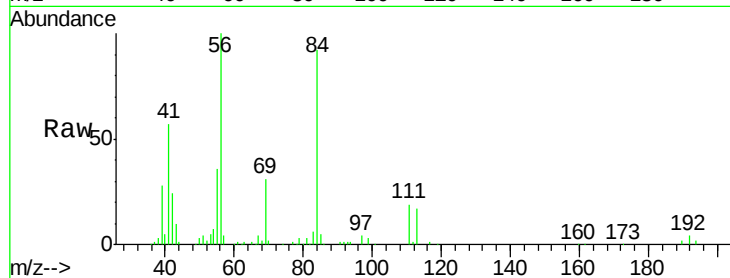
Tot Ion: 56 Resp: 467254

Ion Ratio Lower Upper

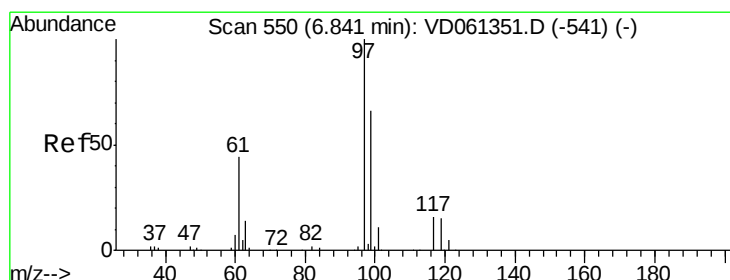
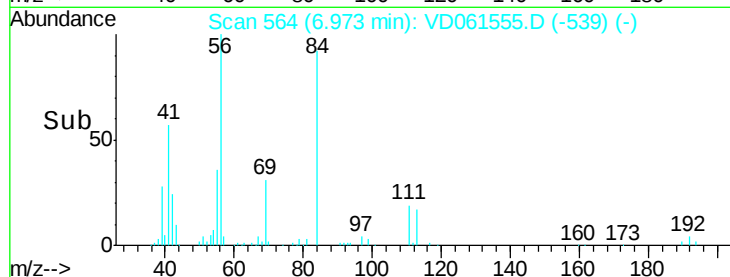
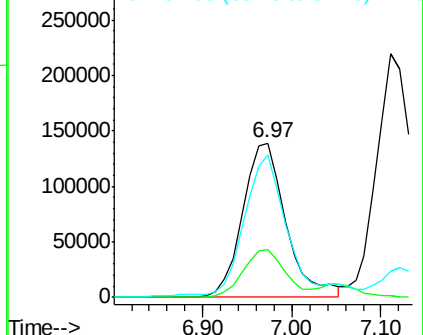
56 100

69 31.3 25.7 38.5

84 92.0 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 52.622 ug/l

RT: 6.88 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

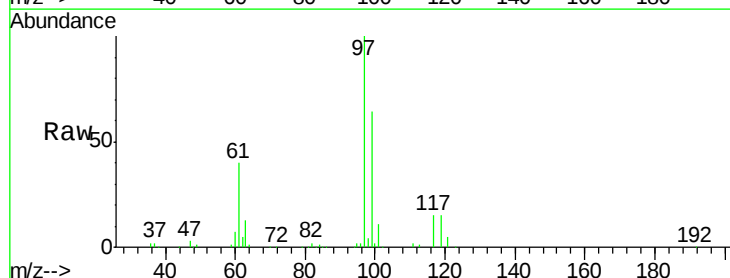
Tgt Ion: 97 Resp: 588975

Ion Ratio Lower Upper

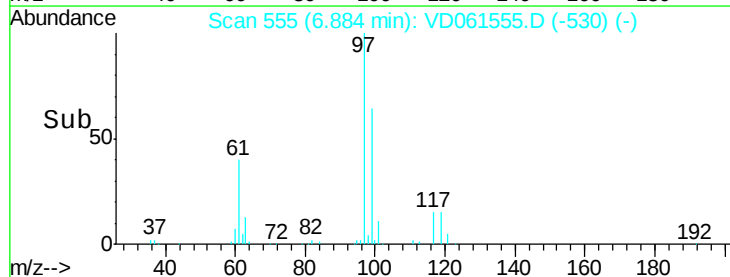
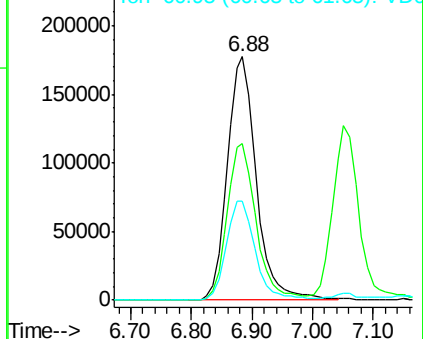
97 100

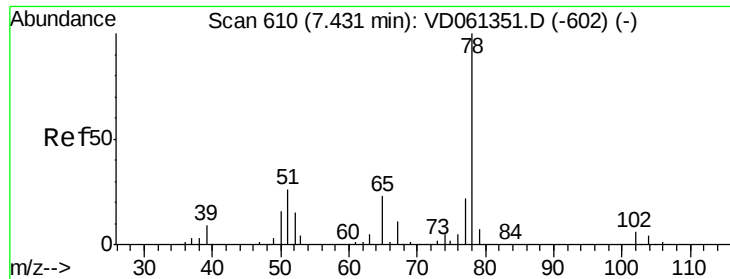
99 64.1 53.1 79.7

61 40.4 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 52.622 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

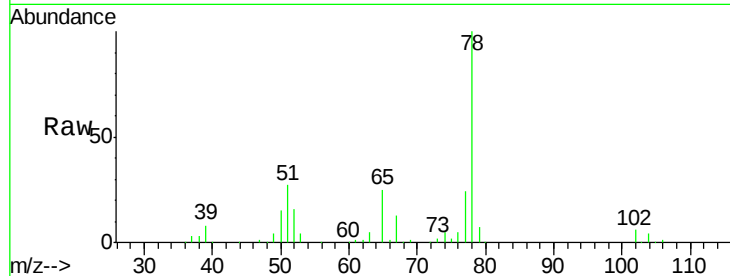
ClientSampled :

Tot Ion: 65 Resp: 283255

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

120000

100000

80000

60000

40000

20000

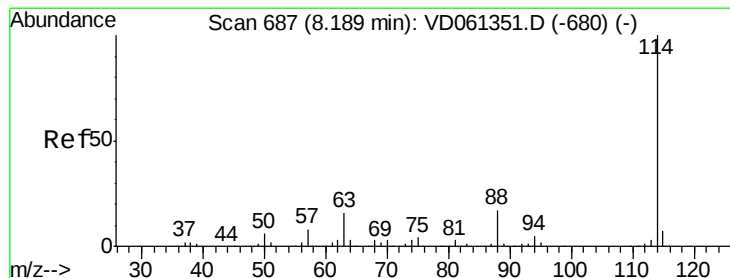
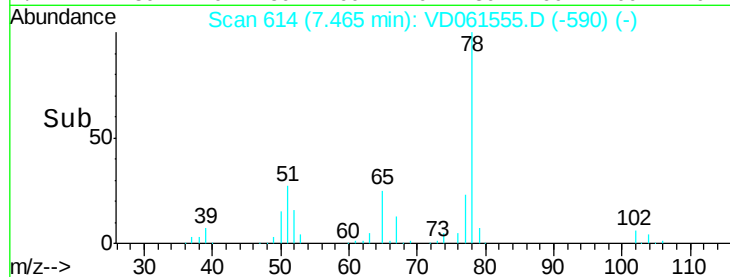
0

7.40

7.50

7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

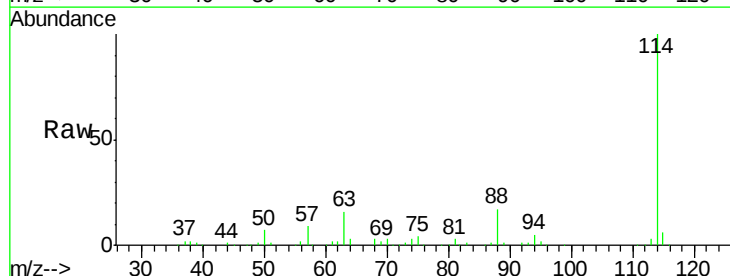
Tgt Ion:114 Resp: 1075152

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.6

88 17.0 0.0 33.4



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

500000

400000

300000

200000

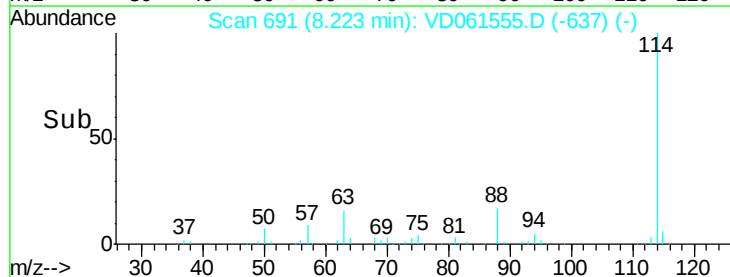
100000

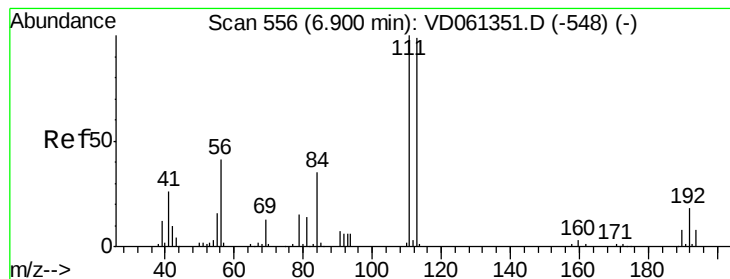
0

8.20

8.40

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

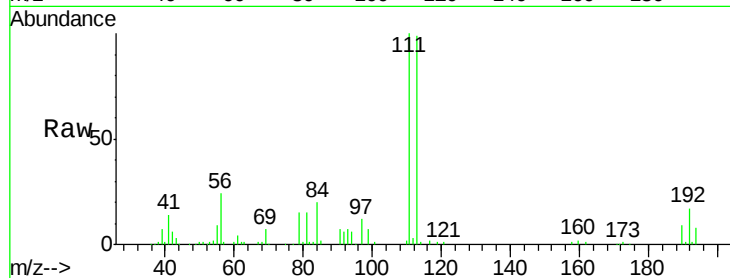
Tot Ion:113 Resp: 431962

Ion Ratio Lower Upper

113 100

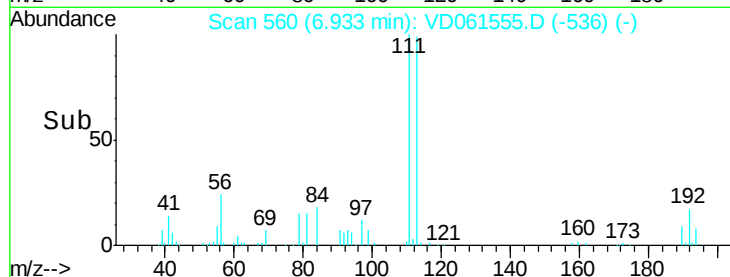
111 101.5 81.0 121.6

192 17.5 14.4 21.6

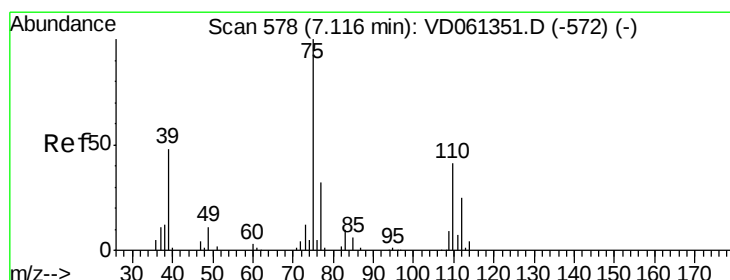


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

6.93



Time-->



#36

1,1-Dichloropropene

Concen: 53.413 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

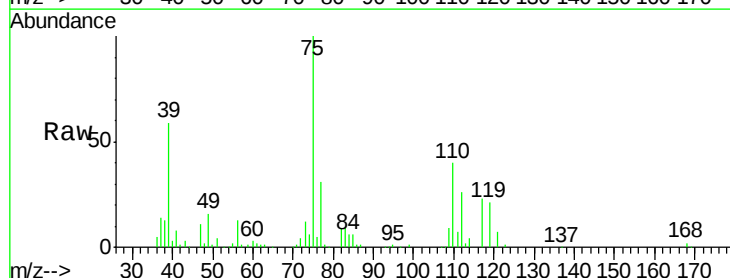
Tgt Ion: 75 Resp: 501206

Ion Ratio Lower Upper

75 100

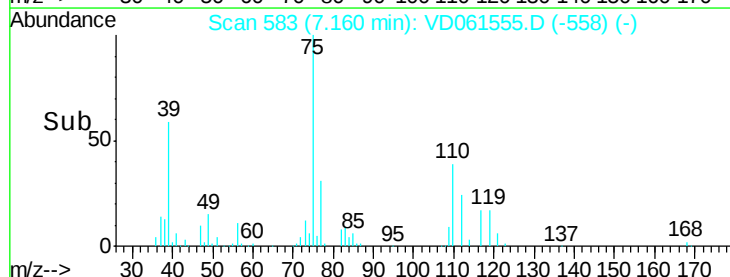
110 39.9 20.4 61.3

77 30.7 24.9 37.3

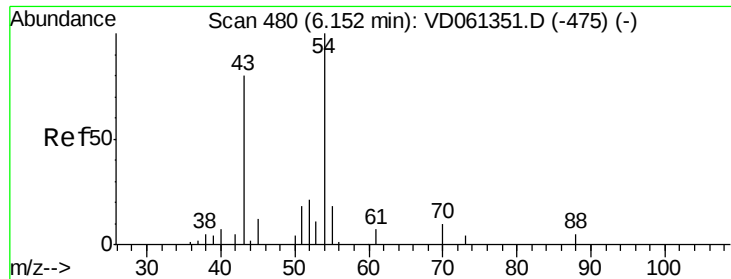


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

7.16



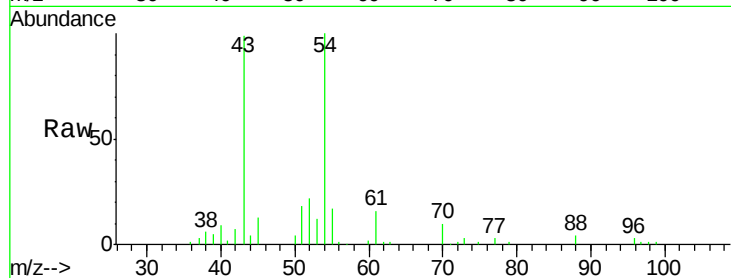
Time-->



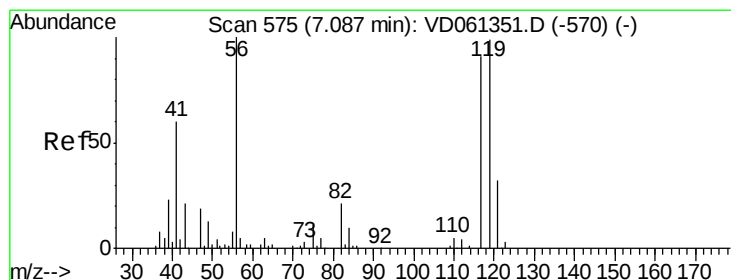
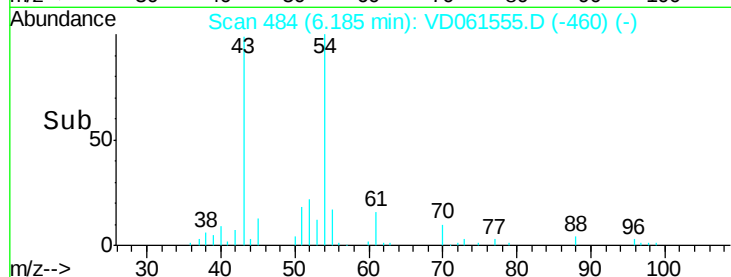
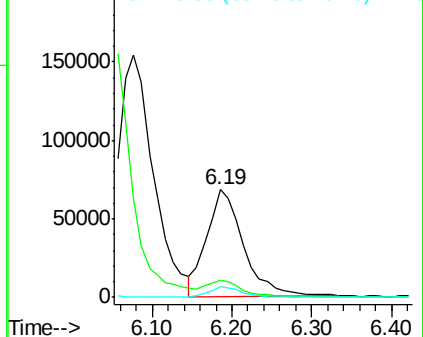
#37
Ethyl Acetate
Concen: 54.046 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 216895
Ion Ratio Lower Upper
43 100
61 16.0 13.8 20.8
70 9.8 7.8 11.8

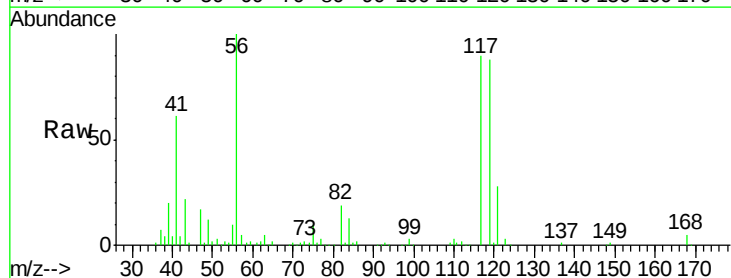


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

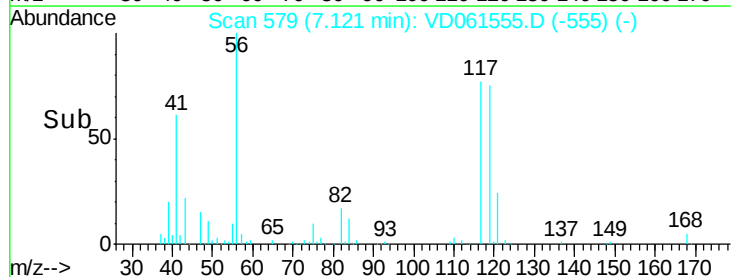
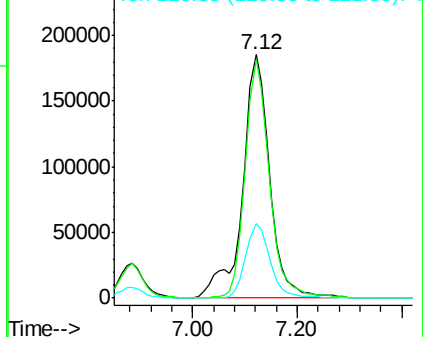


#38
Carbon Tetrachloride
Concen: 59.620 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 117 Resp: 642871
Ion Ratio Lower Upper
117 100
119 97.9 80.1 120.1
121 30.7 25.6 38.4



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





#39

Methvlcvclohexane

Concen: 52.411 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampled :

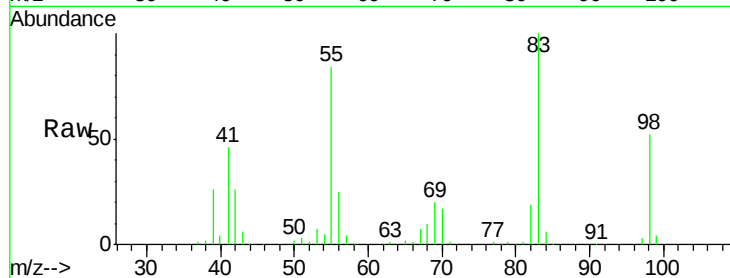
Tot Ion: 83 Resp: 512214

Ion Ratio Lower Upper

83 100

55 84.1 71.5 107.3

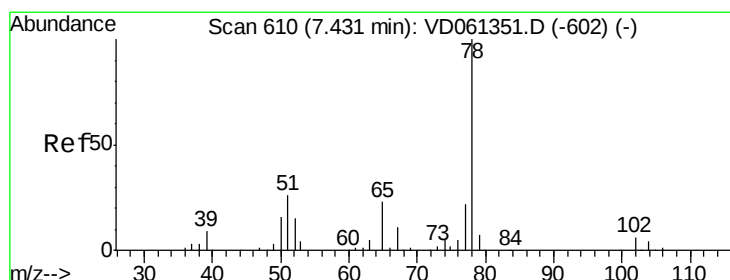
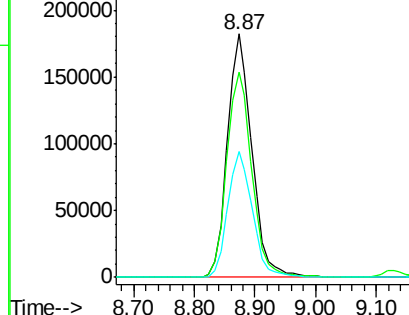
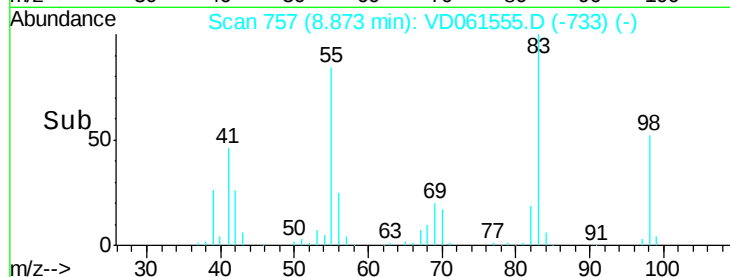
98 51.9 40.3 60.5



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: 49.923 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061555.D

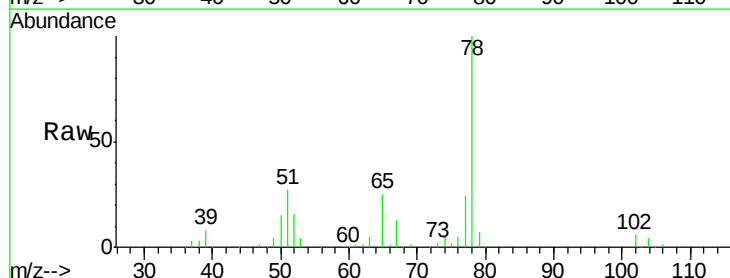
Acq: 3 Apr 2019 14:37

Tgt Ion: 78 Resp: 1175698

Ion Ratio Lower Upper

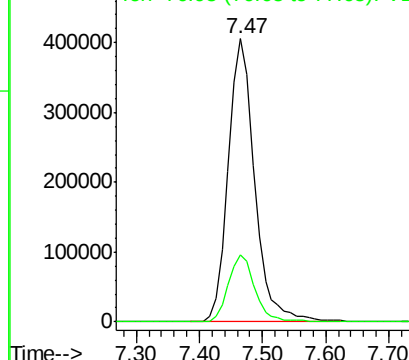
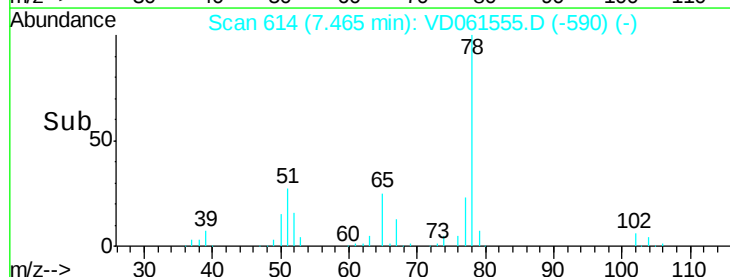
78 100

77 23.9 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

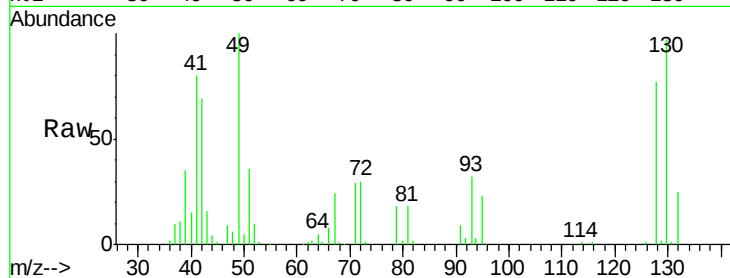




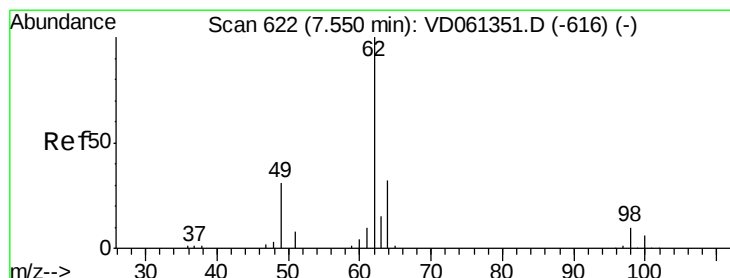
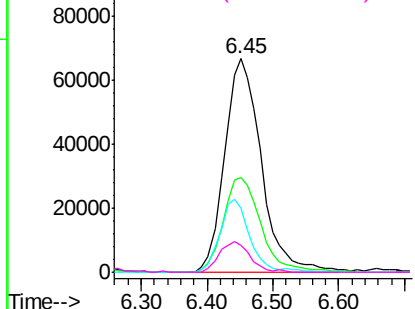
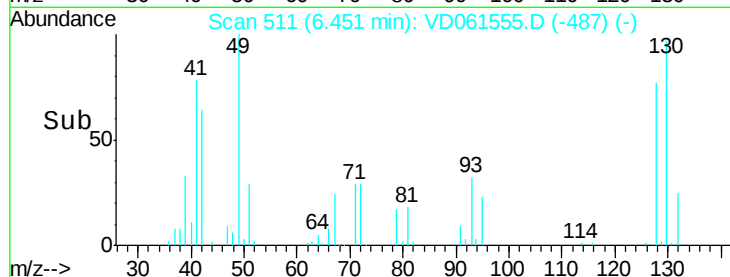
#41
Methacrylonitrile
Concen: 55.221 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 259116
Ion Ratio Lower Upper
41 100
39 44.2 35.0 52.6
67 29.8 21.0 31.6
52 12.5 7.7 11.5#

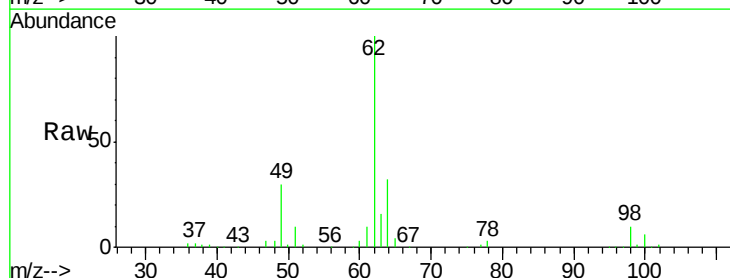


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

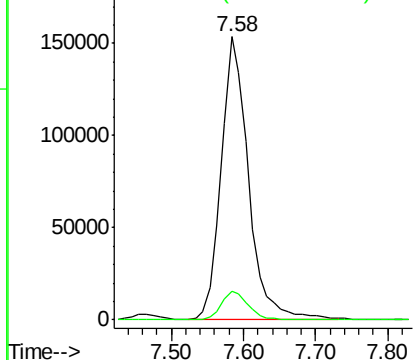
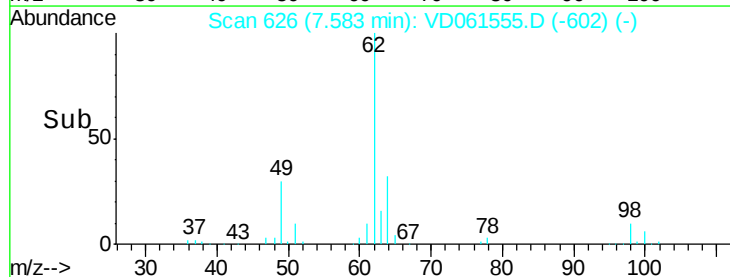


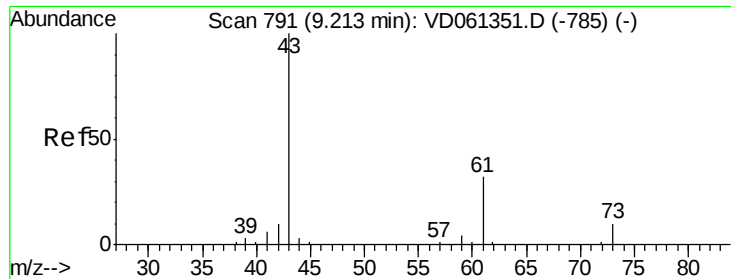
#42
1,2-Dichloroethane
Concen: 57.141 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 62 Resp: 402534
Ion Ratio Lower Upper
62 100
98 10.3 0.0 19.8



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



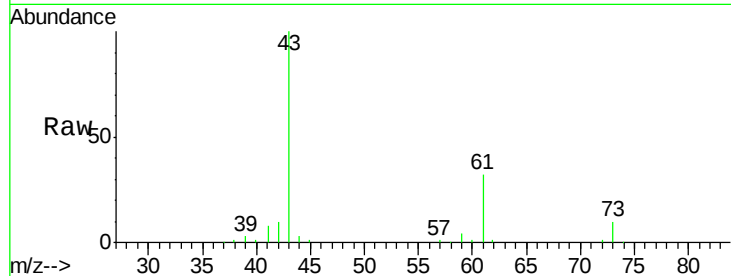


#43

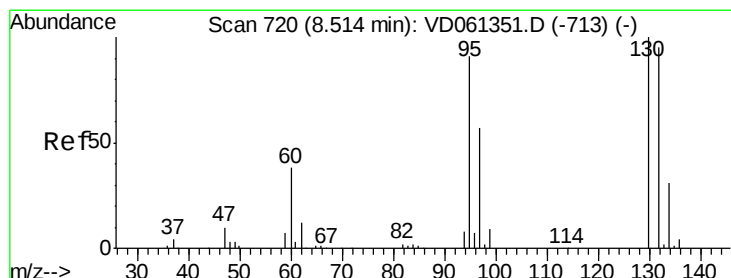
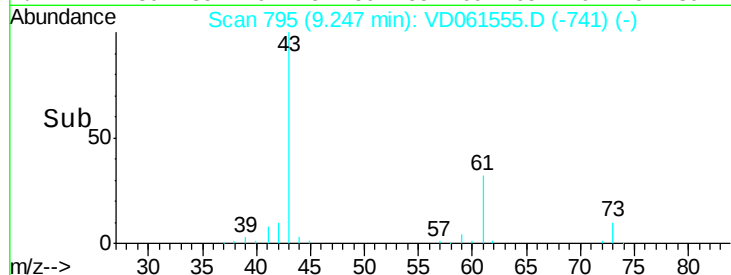
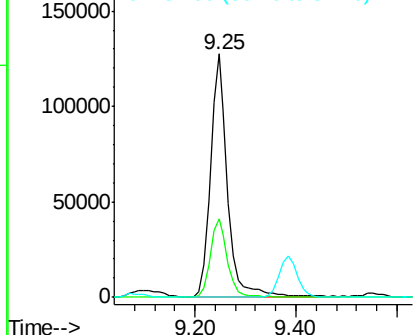
Isopropyl Acetate
 Concen: 52.232 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.03 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 304985
 Ion Ratio Lower Upper
 43 100
 61 32.3 25.8 38.6
 87 0.0 0.0 0.0



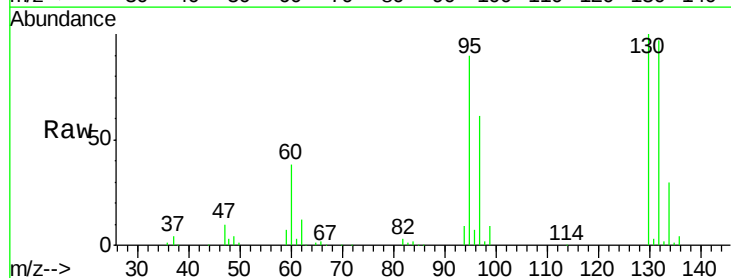
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



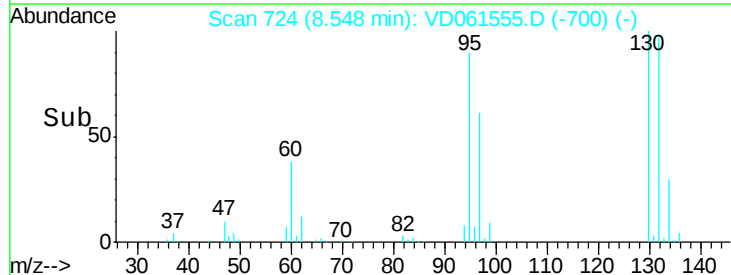
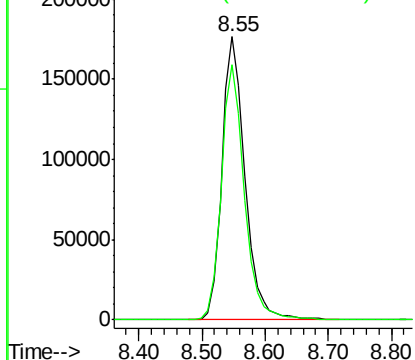
#44

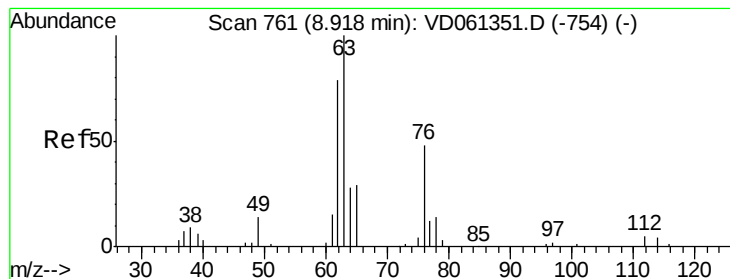
Trichloroethene
 Concen: 51.059 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Tgt Ion:130 Resp: 447496
 Ion Ratio Lower Upper
 130 100
 95 90.2 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 47.964 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

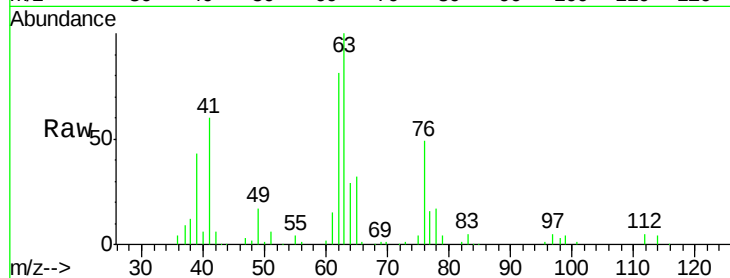
ClientSampled :

Tot Ion: 63 Resp: 286425

Ion Ratio Lower Upper

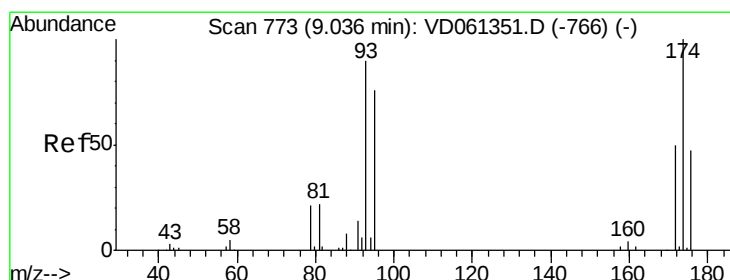
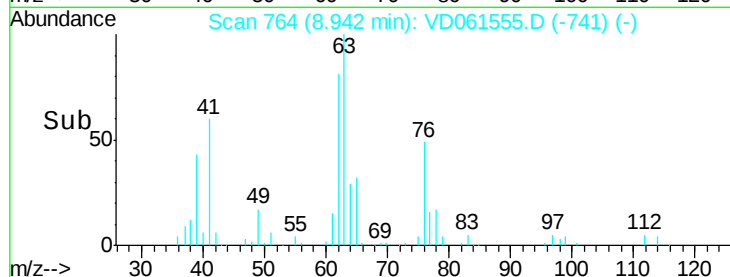
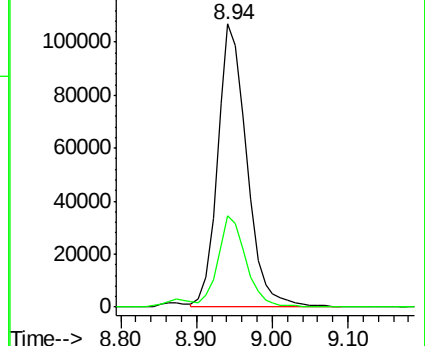
63 100

65 32.3 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.133 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

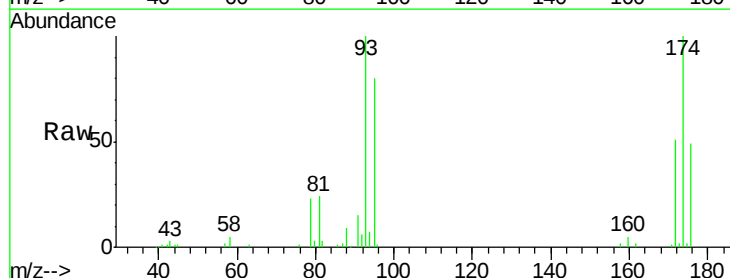
Tgt Ion: 93 Resp: 213562

Ion Ratio Lower Upper

93 100

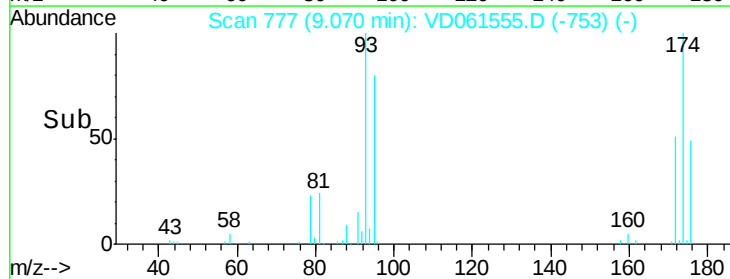
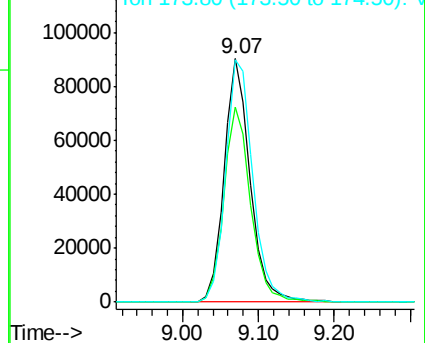
95 80.0 67.4 101.0

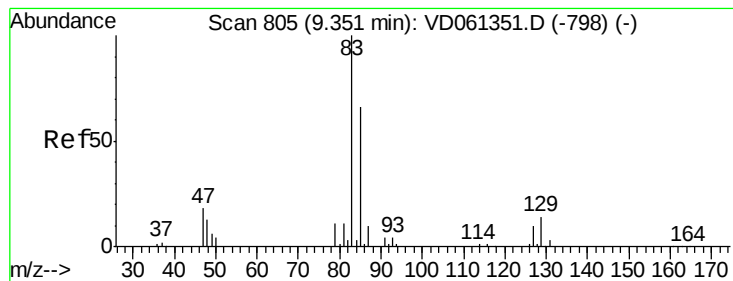
174 99.6 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC





#47

Bromodichloromethane

Concen: 55.916 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

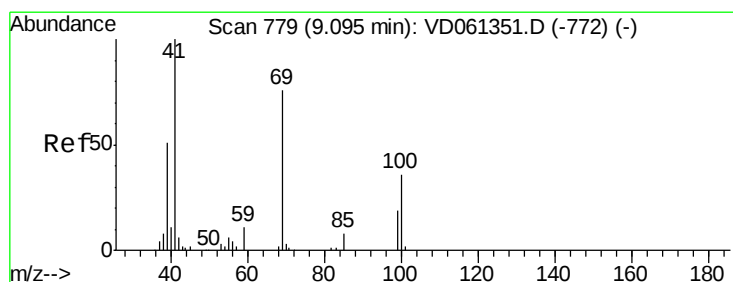
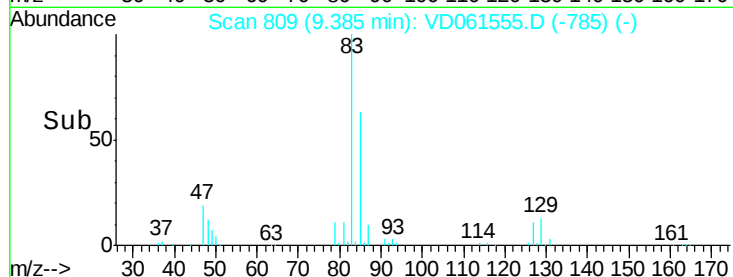
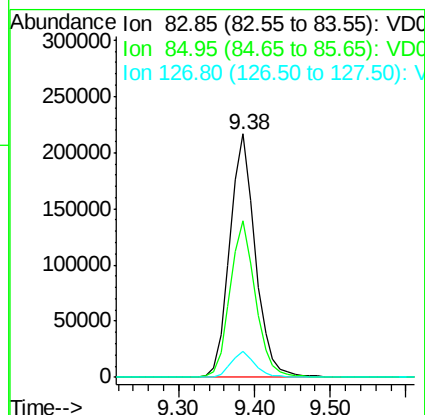
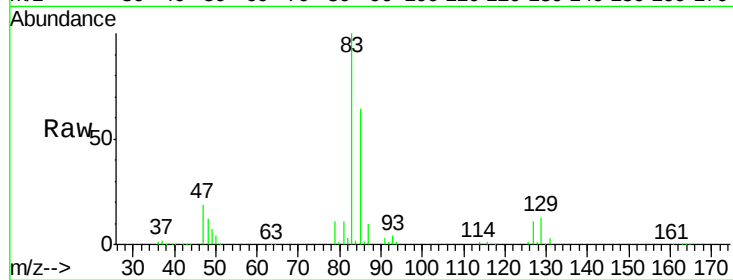
Tot Ion: 83 Resp: 504435

Ion Ratio Lower Upper

83 100

85 64.2 53.0 79.4

127 10.5 8.4 12.6



#48

Methyl methacrylate

Concen: 52.008 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

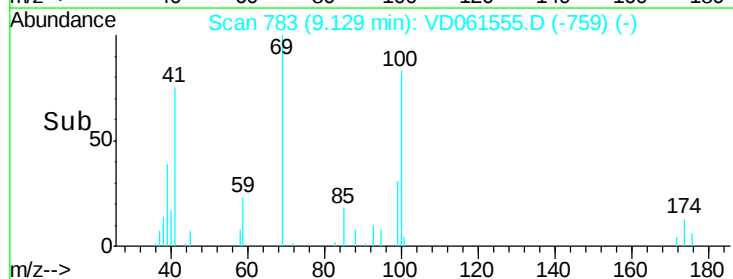
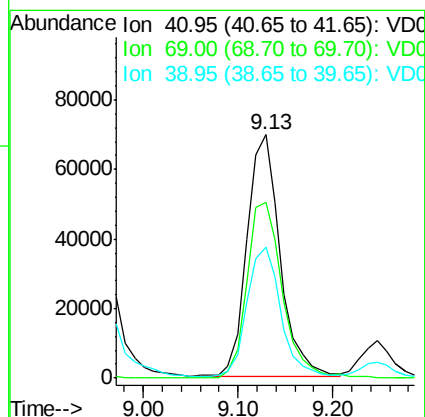
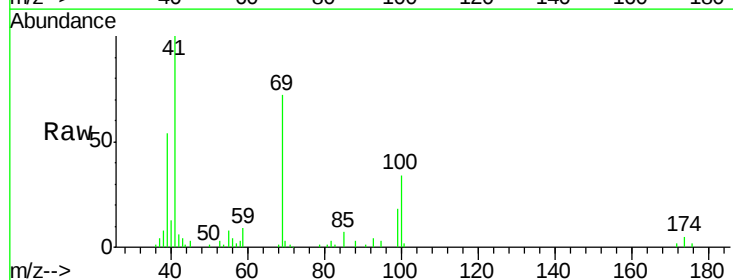
Tgt Ion: 41 Resp: 167598

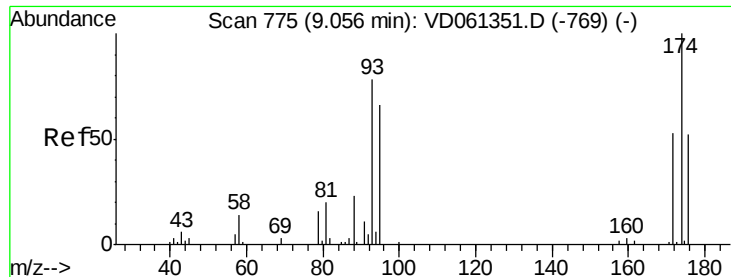
Ion Ratio Lower Upper

41 100

69 72.4 60.2 90.4

39 53.9 41.4 62.2





#49

1,4-Dioxane

Concen: 1118.105 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

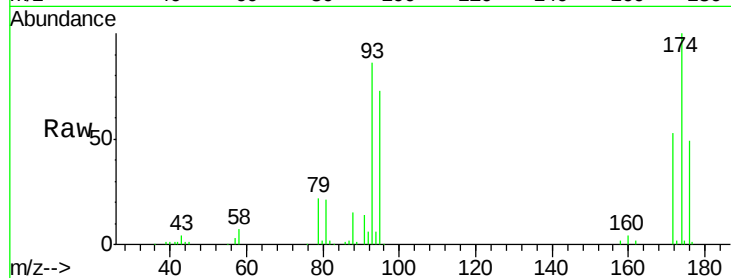
Tot Ion: 88 Resp: 39742

Ion Ratio Lower Upper

88 100

43 25.7 23.3 34.9

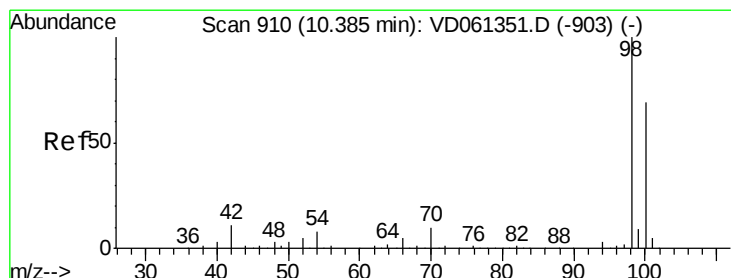
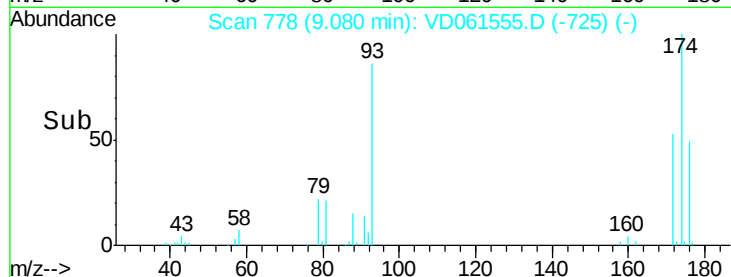
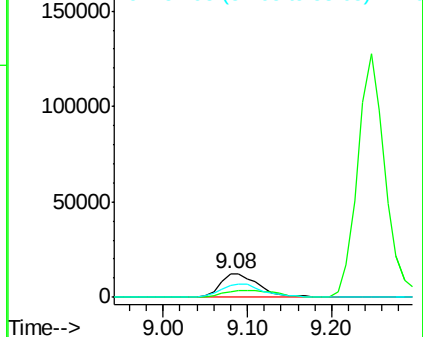
58 49.9 50.8 76.2#



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: 1118.105 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061555.D

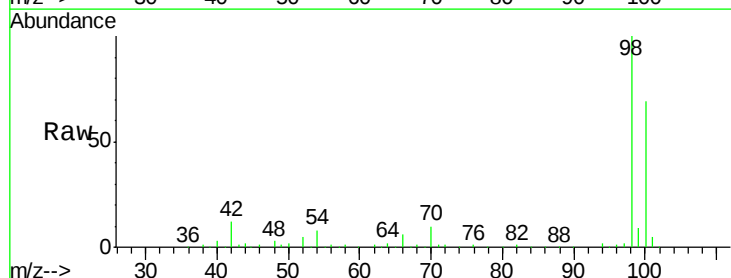
Acq: 3 Apr 2019 14:37

Tgt Ion: 98 Resp: 1058901

Ion Ratio Lower Upper

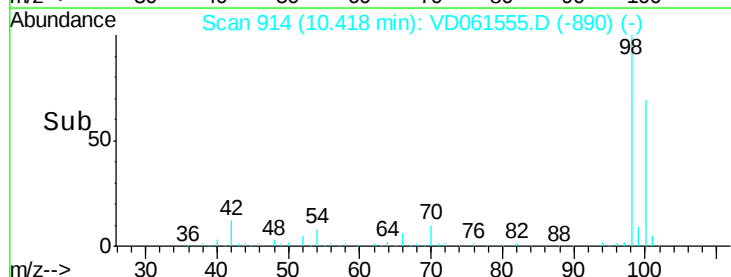
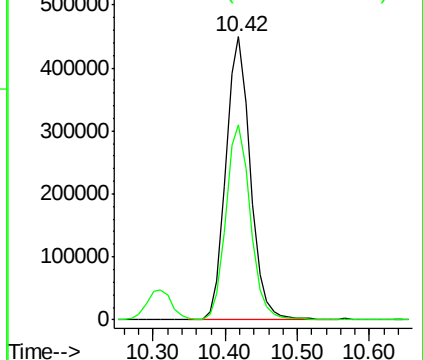
98 100

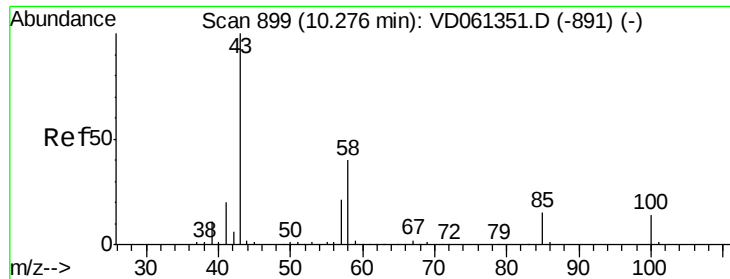
100 69.1 56.2 84.2



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: 255.385 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

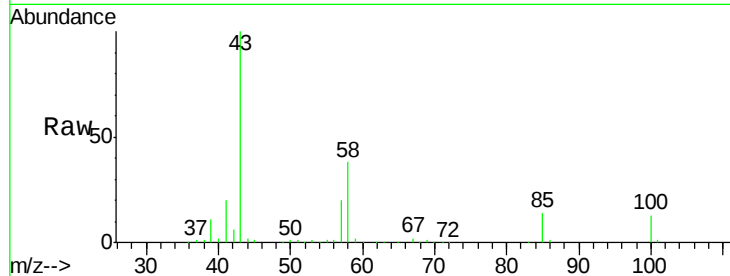
ClientSampled :

Tot Ion: 43 Resp: 907241

Ion Ratio Lower Upper

43 100

58 37.8 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

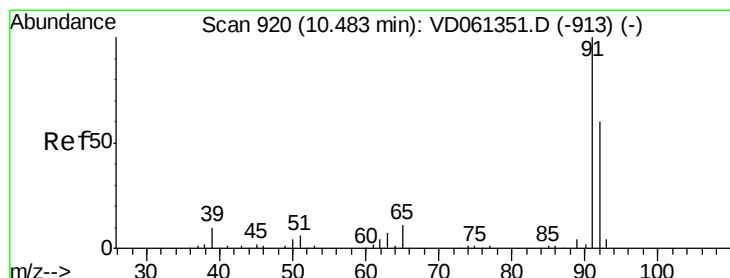
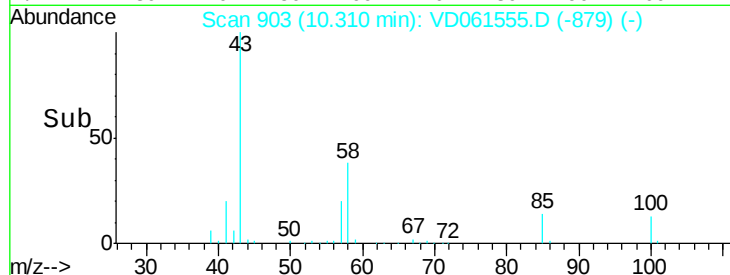
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.983 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061555.D

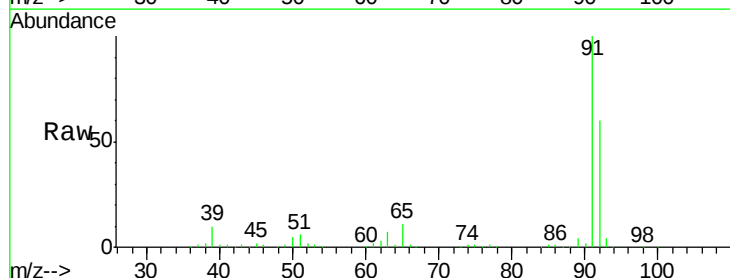
Acq: 3 Apr 2019 14:37

Tgt Ion: 92 Resp: 789970

Ion Ratio Lower Upper

92 100

91 167.9 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

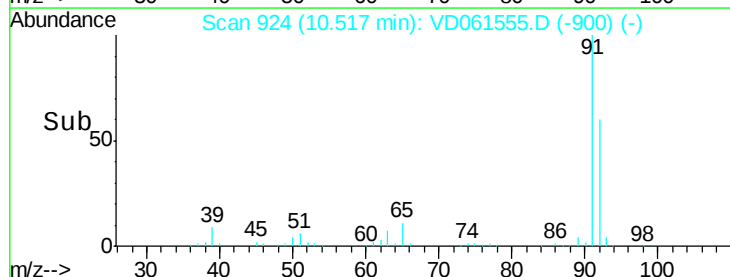
600000

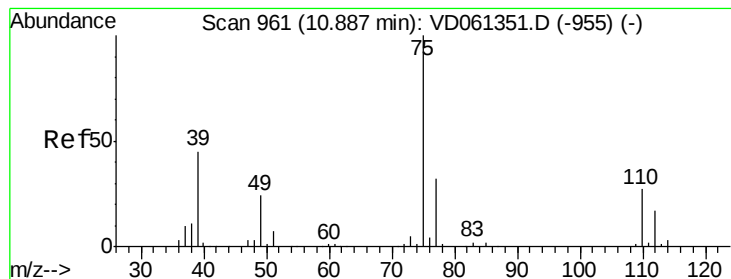
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.714 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

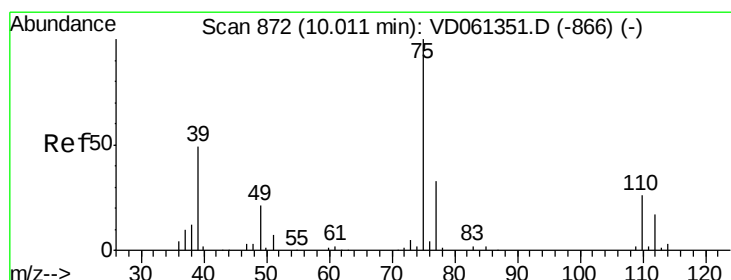
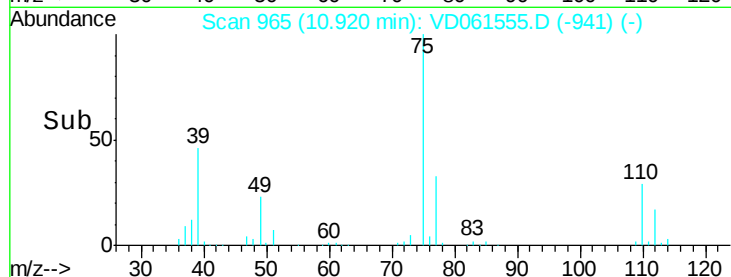
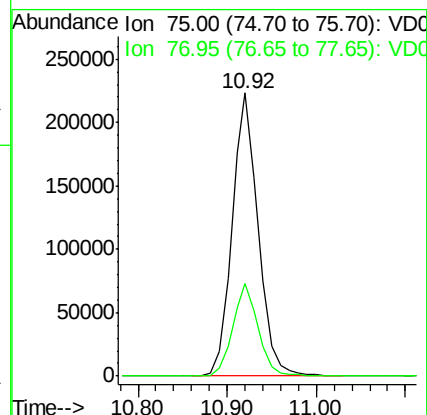
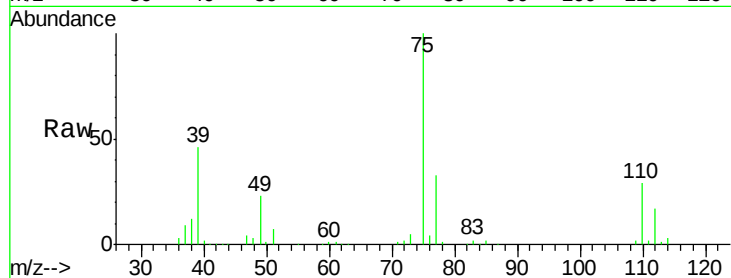
ClientSampled :

Tot Ion: 75 Resp: 456649

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.690 ug/l

RT: 10.04 min Scan# 876

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

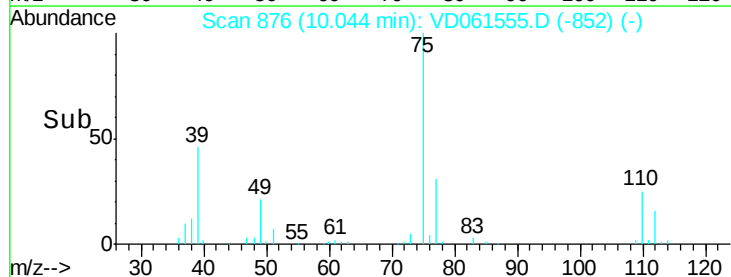
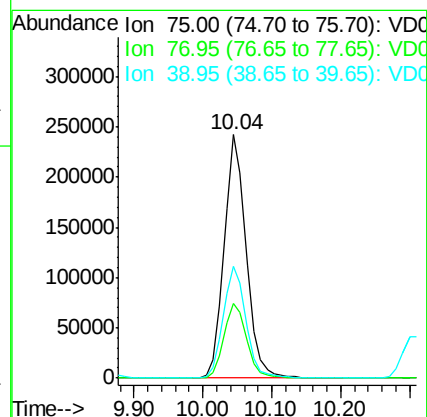
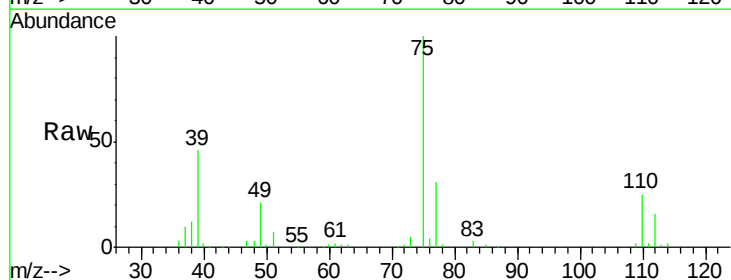
Tgt Ion: 75 Resp: 535844

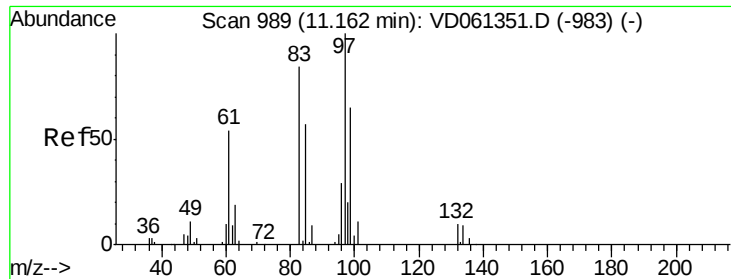
Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.4

39 46.1 39.4 59.0



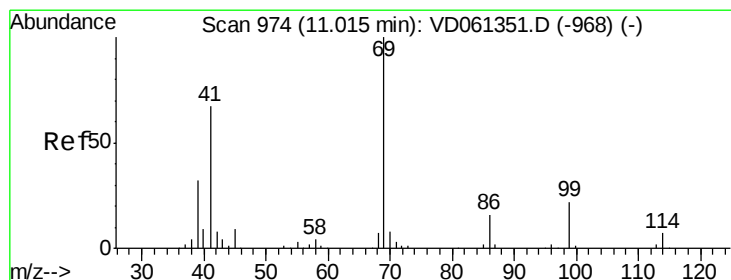
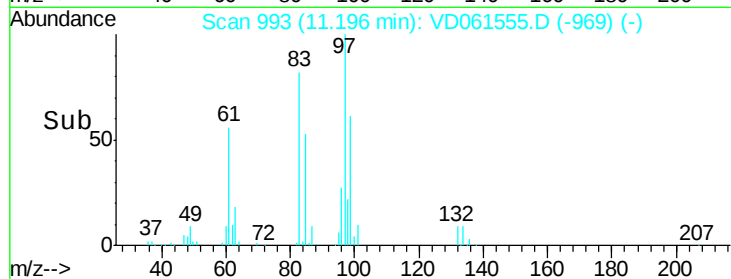
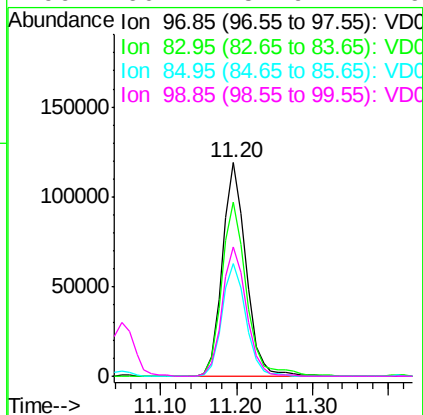
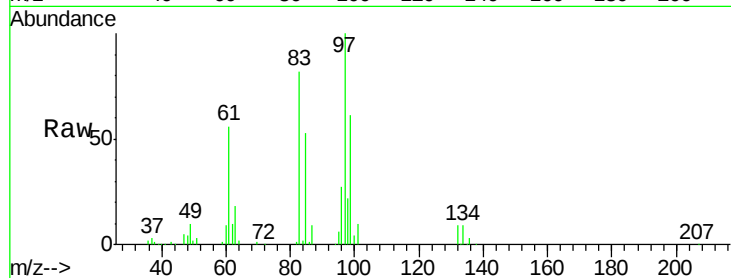


#55
 1,1,2-Trichloroethane
 Concen: 51.379 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.03 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 258159

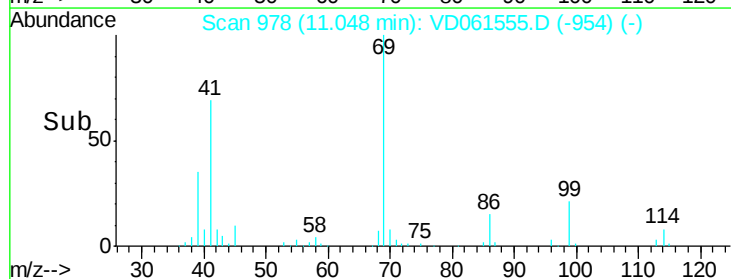
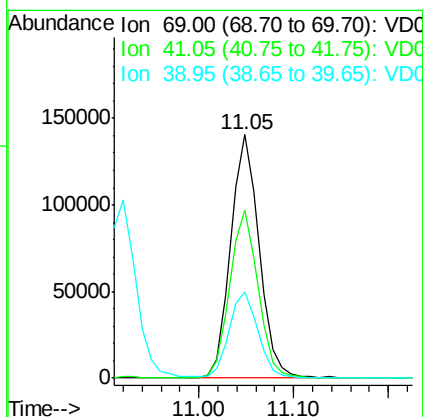
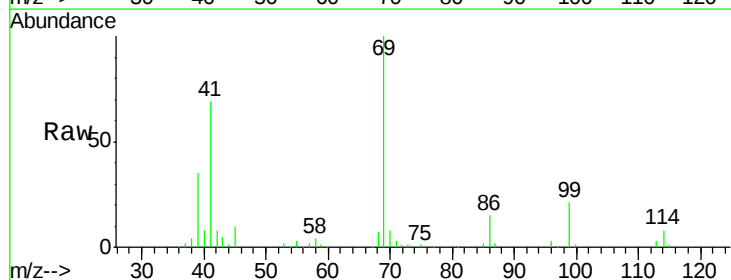
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.0	100.6
85	52.6	45.4	68.2
99	60.7	51.9	77.9

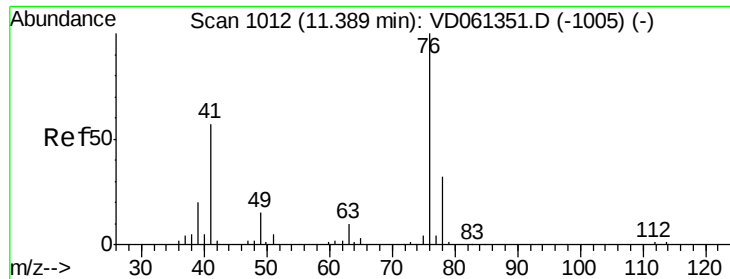


#56
 Ethyl methacrylate
 Concen: 54.341 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.03 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Tgt Ion: 69 Resp: 293321

Ion	Ratio	Lower	Upper
69	100		
41	69.1	53.8	80.6
39	35.4	26.4	39.6





#57

1,3-Dichloropropane

Concen: 54.158 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

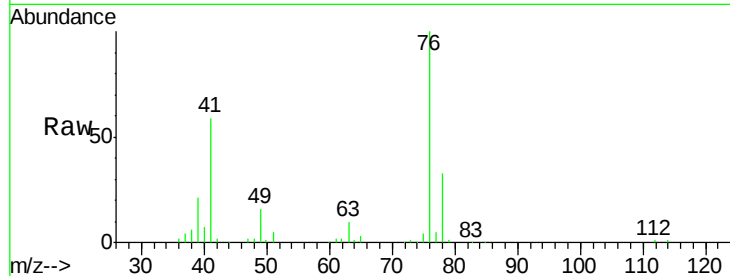
ClientSampleId :

Tot Ion: 76 Resp: 399972

Ion Ratio Lower Upper

76 100

78 32.9 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

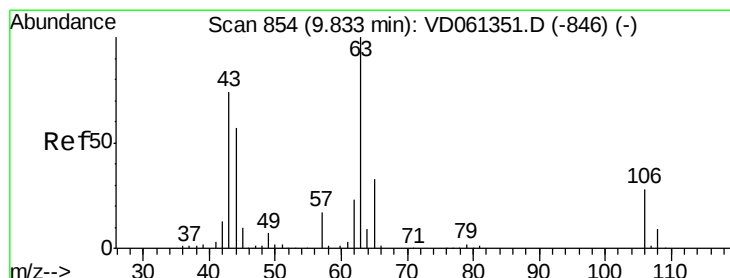
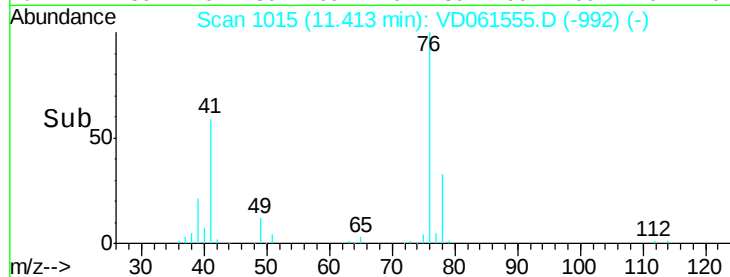
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 257.282 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.03 min

Lab File: VD061555.D

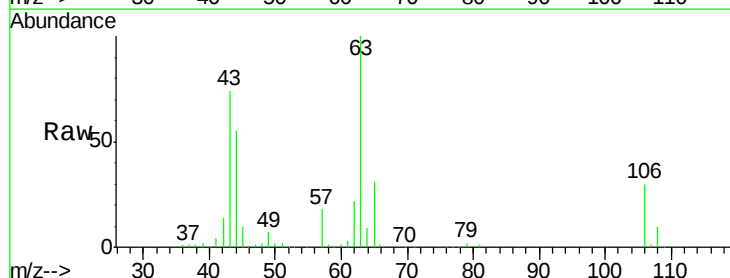
Acq: 3 Apr 2019 14:37

Tgt Ion: 63 Resp: 676318

Ion Ratio Lower Upper

63 100

106 30.3 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

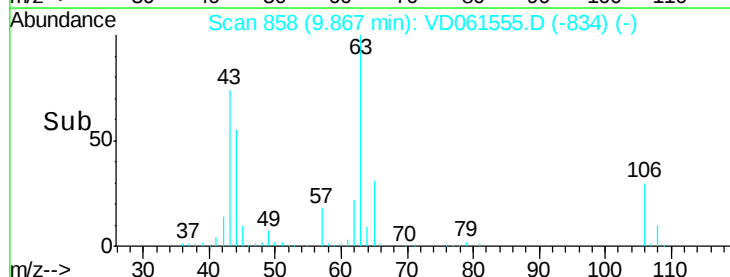
300000

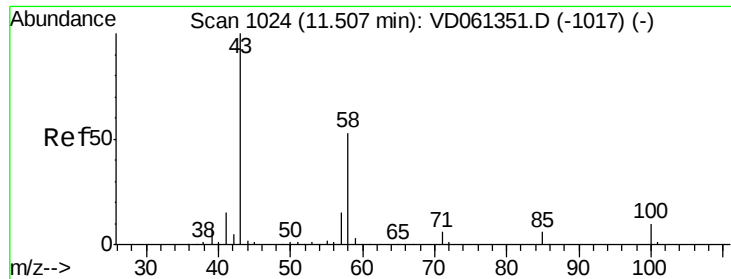
200000

100000

0

Time--> 9.70 9.80 9.90 10.00

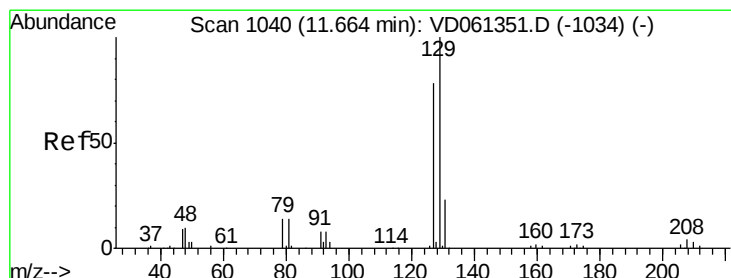
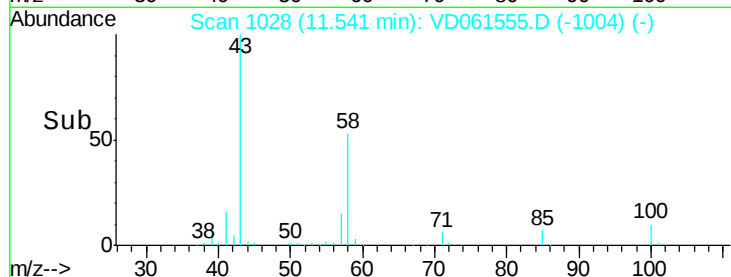
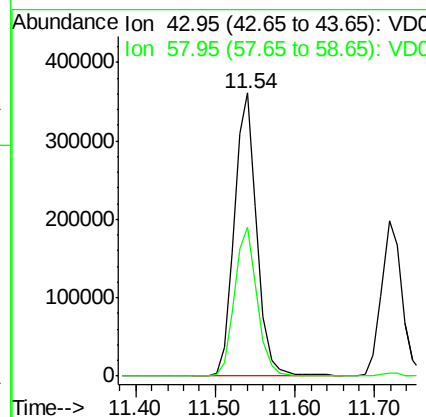
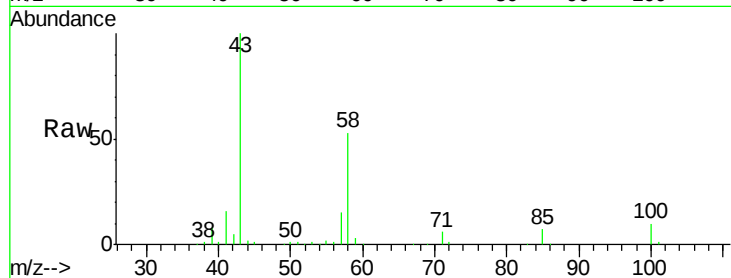




#59
2-Hexanone
Concen: 277.734 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

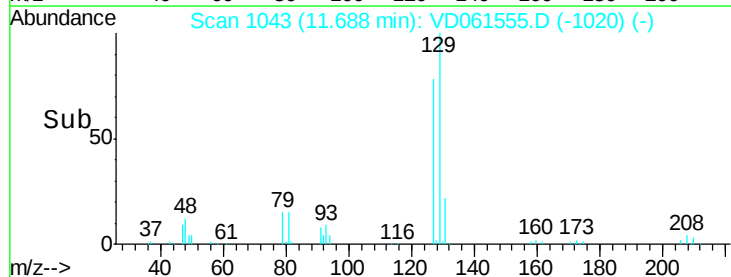
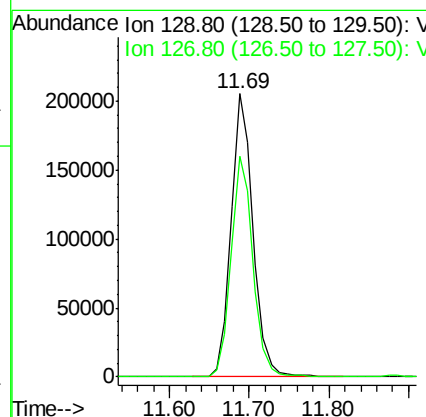
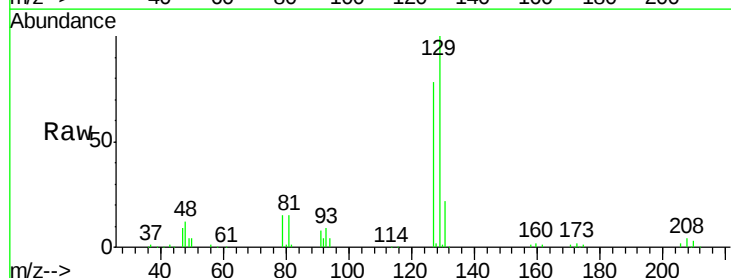
Instrument :
MSVOA_D
ClientSampleId :

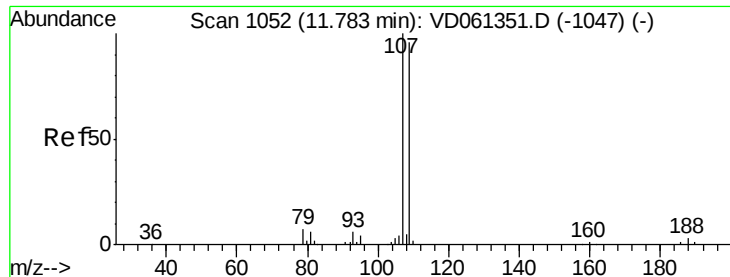
Tot Ion: 43 Resp: 714847
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9



#60
Dibromochloromethane
Concen: 51.411 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 129 Resp: 398234
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9

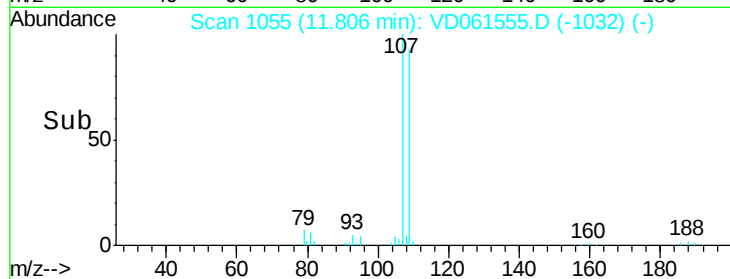
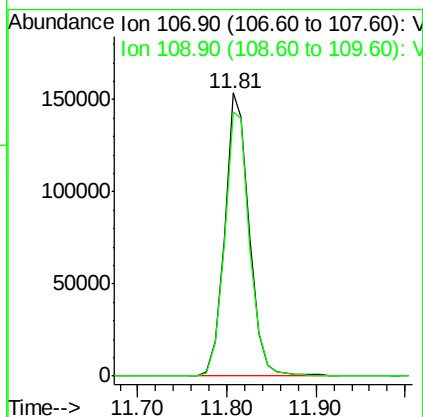
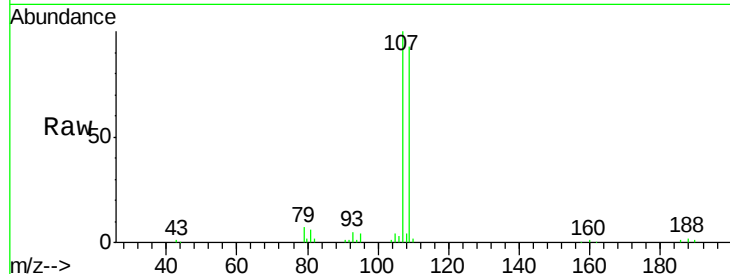




#61
 1,2-Dibromoethane
 Concen: 50.685 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

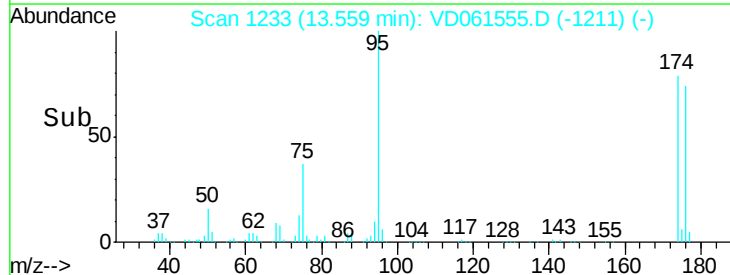
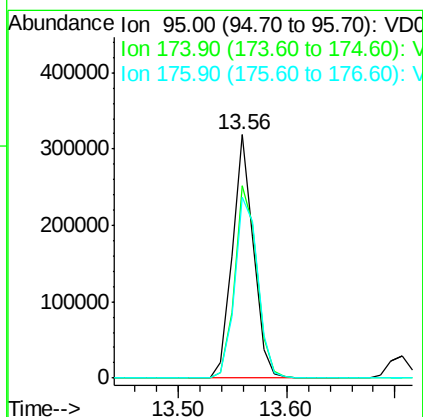
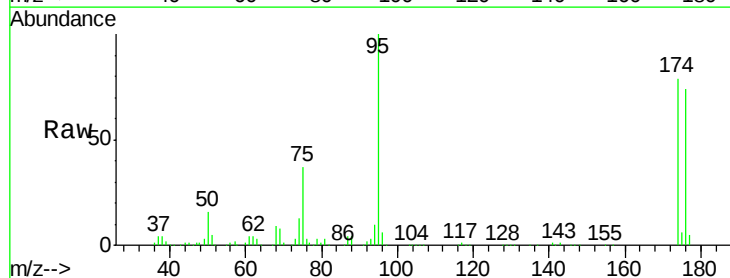
Instrument :
 MSVOA_D
 ClientSampleId :

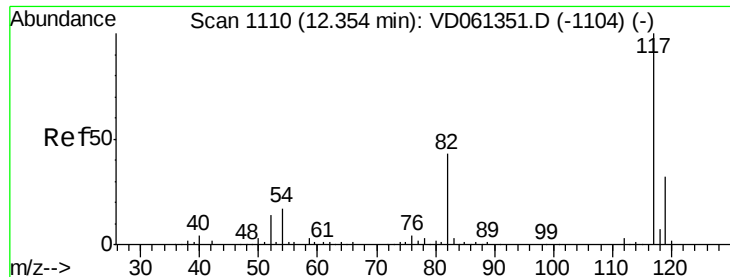
Tot Ion: 107 Resp: 294901
 Ion Ratio Lower Upper
 107 100
 109 93.2 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 50.685 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Tgt Ion: 95 Resp: 432050
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 178.0
 176 74.2 0.0 175.0

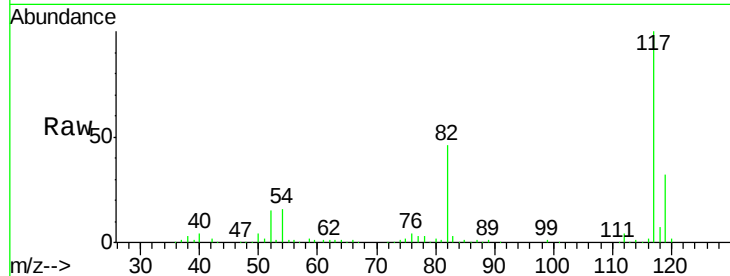




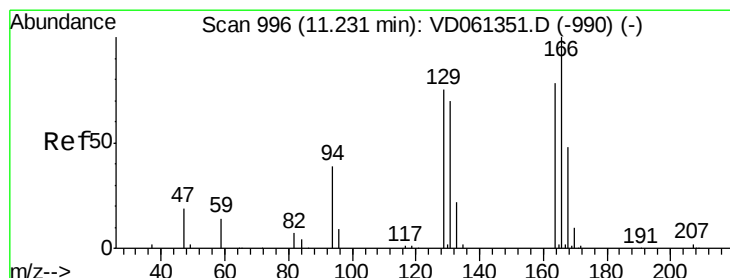
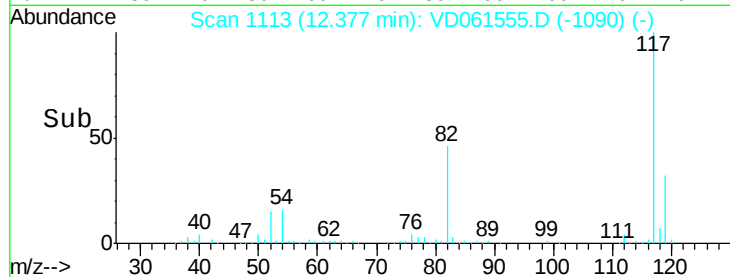
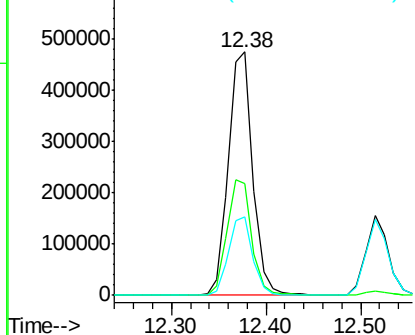
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 845790
Ion Ratio Lower Upper
117 100
82 45.7 34.4 51.6
119 32.0 25.8 38.6

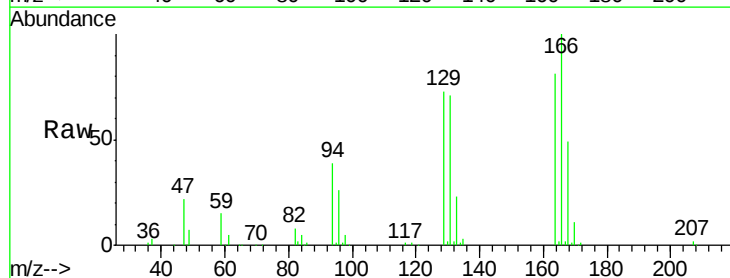


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

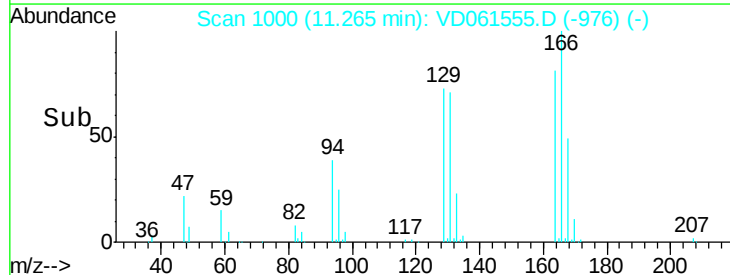
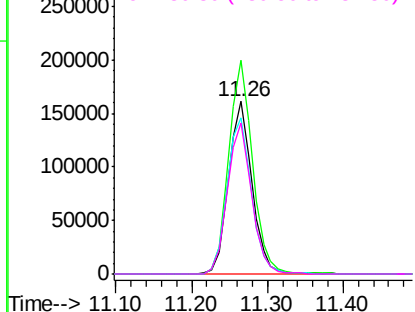


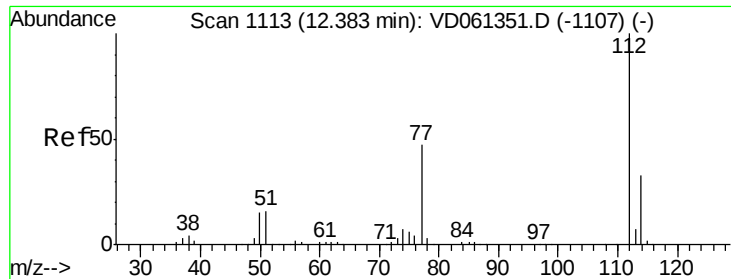
#64
Tetrachloroethene
Concen: 51.755 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion:164 Resp: 343549
Ion Ratio Lower Upper
164 100
166 123.8 102.4 153.6
129 90.4 76.8 115.2
131 87.9 71.8 107.6



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

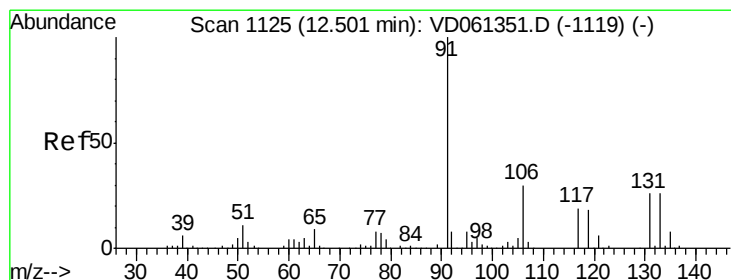
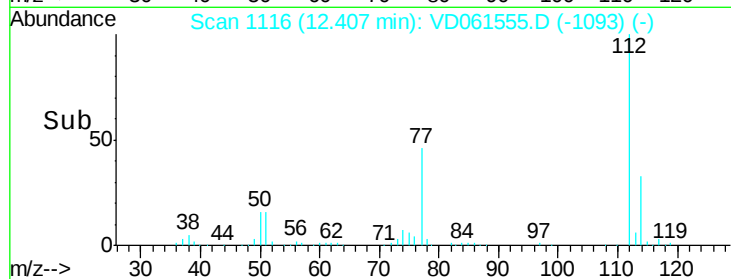
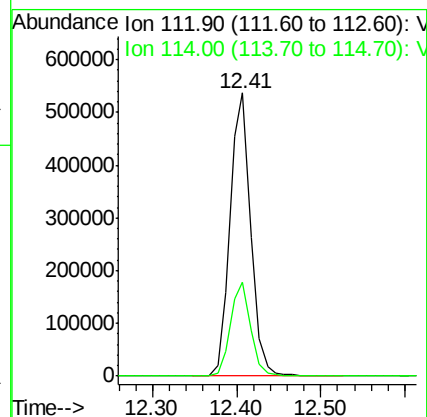
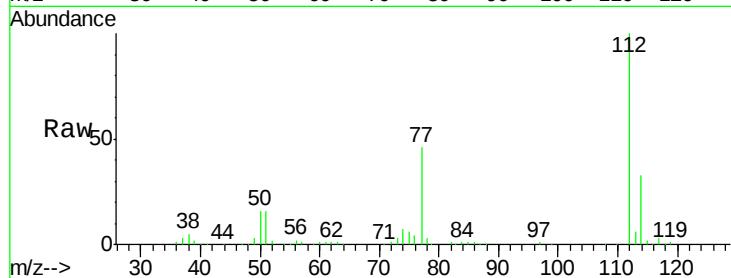




#65
Chlorobenzene
Concen: 52.609 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

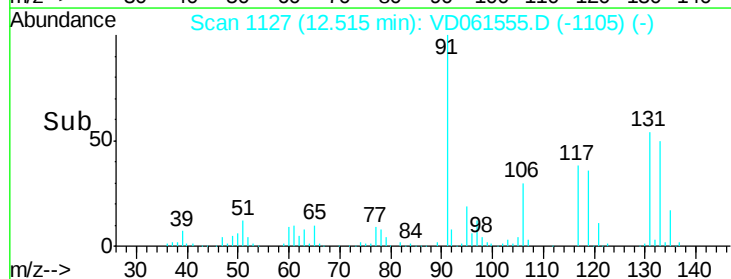
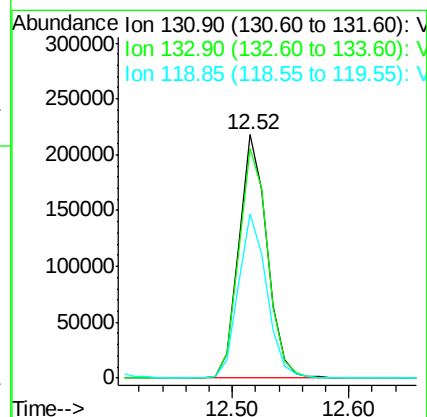
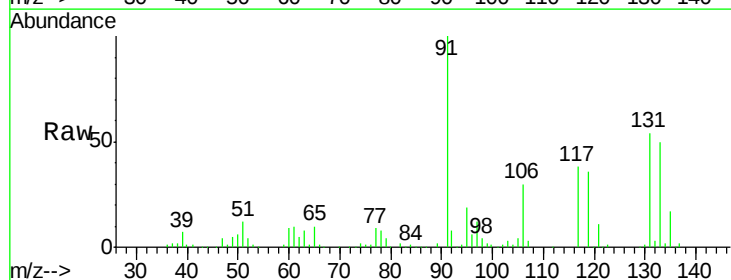
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 909352
Ion Ratio Lower Upper
112 100
114 33.3 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.458 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion:131 Resp: 364470
Ion Ratio Lower Upper
131 100
133 94.1 49.4 148.2
119 67.7 34.1 102.2

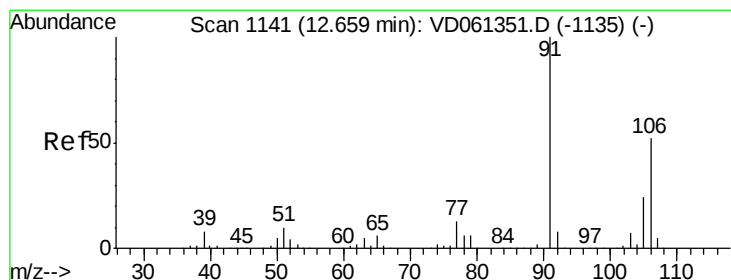
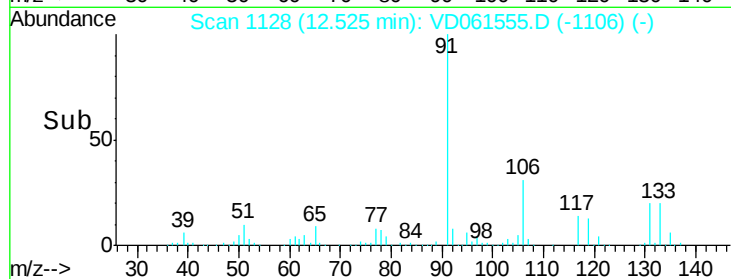
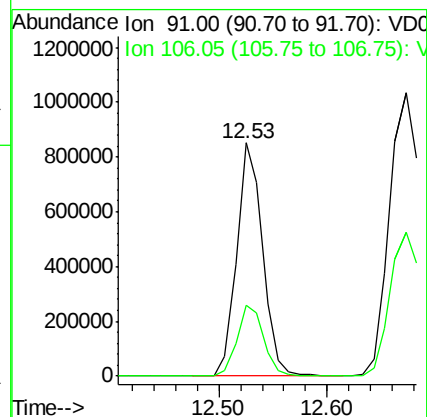
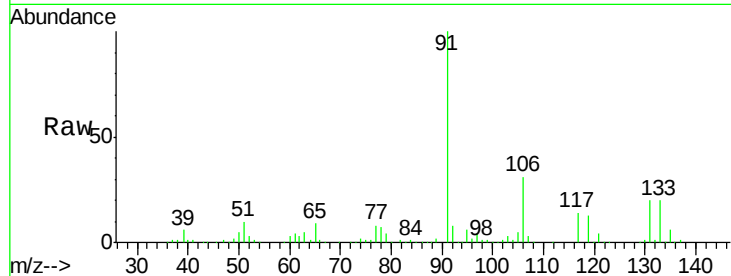




#67
Ethyl Benzene
Concen: 53.576 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

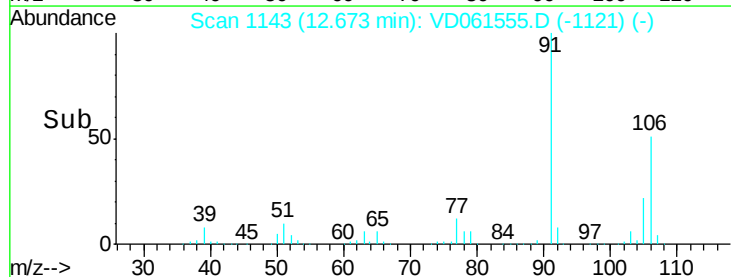
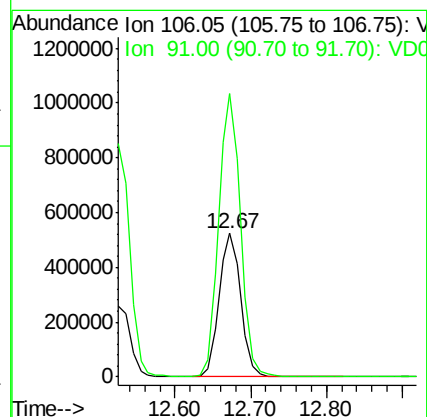
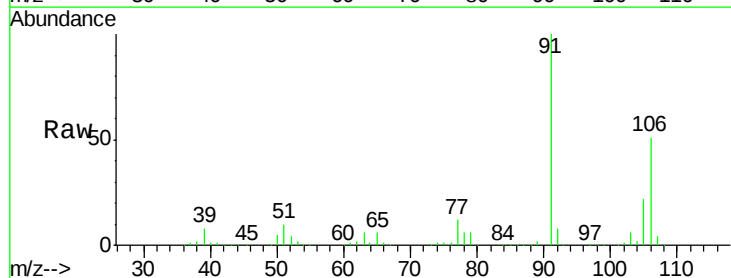
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 1413533
Ion Ratio Lower Upper
91 100
106 30.6 26.1 39.1



#68
m/p-Xylenes
Concen: 105.366 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 106 Resp: 1053047
Ion Ratio Lower Upper
106 100
91 197.1 153.1 229.7

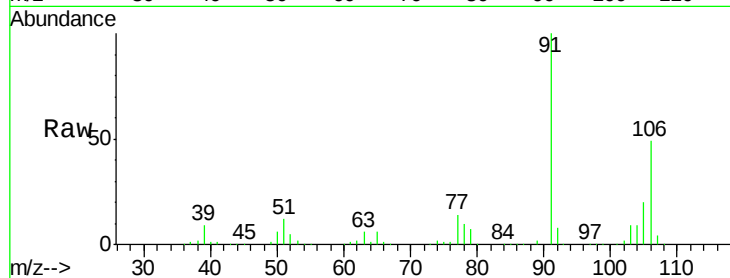




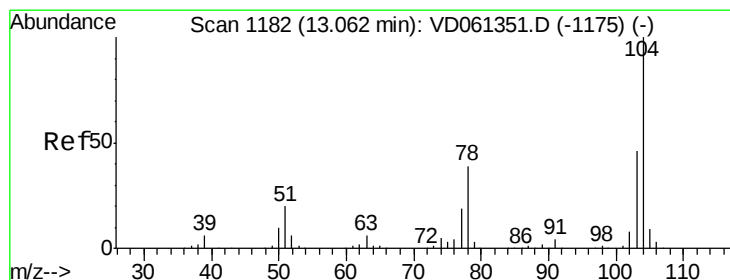
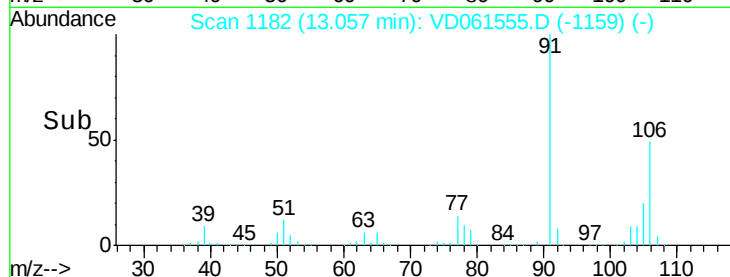
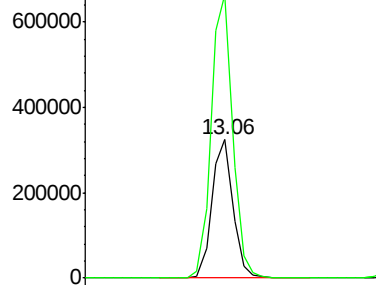
#69
o-Xylene
Concen: 51.371 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 498224
Ion Ratio Lower Upper
106 100
91 204.3 103.8 311.3

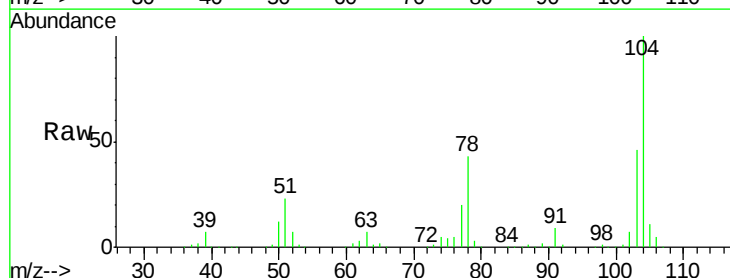


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

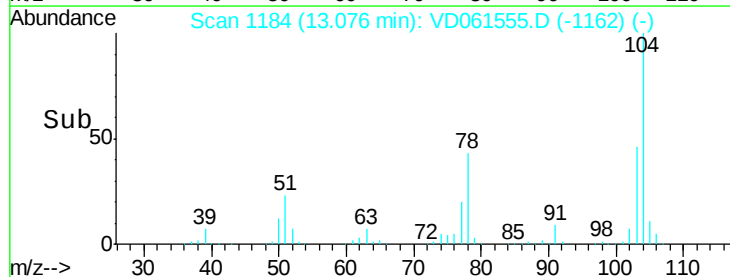
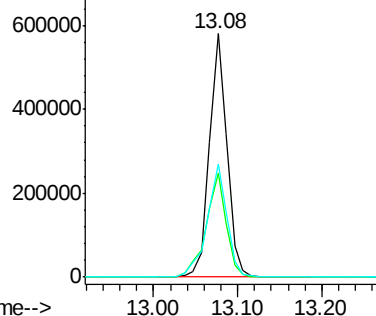


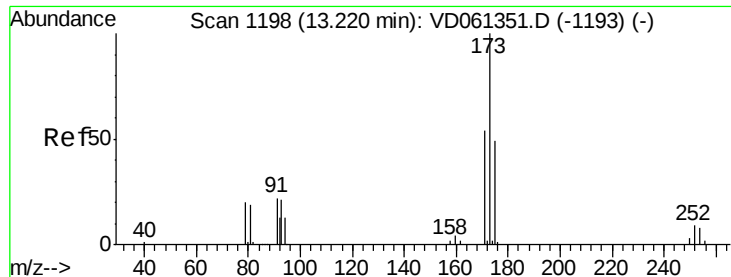
#70
Styrene
Concen: 49.832 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion:104 Resp: 842486
Ion Ratio Lower Upper
104 100
78 42.7 31.0 46.6
103 46.3 37.0 55.4



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

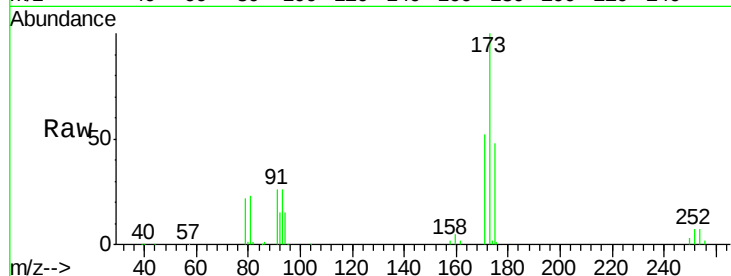




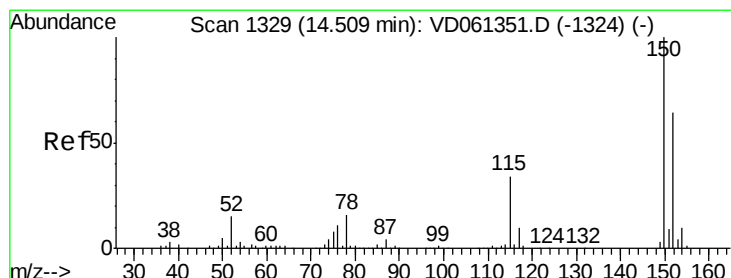
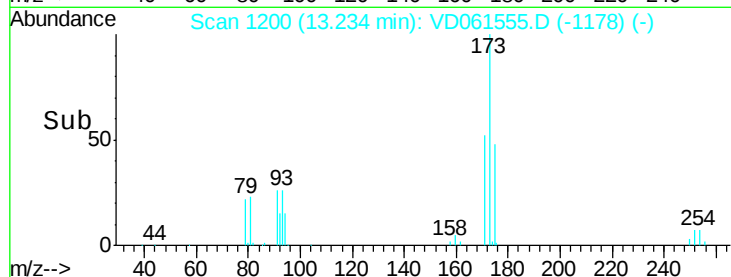
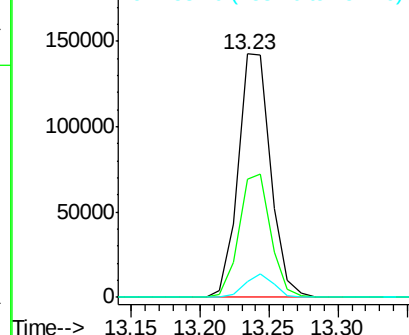
#71
Bromoform
Concen: 55.248 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 234391
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 6.7 6.6 10.0

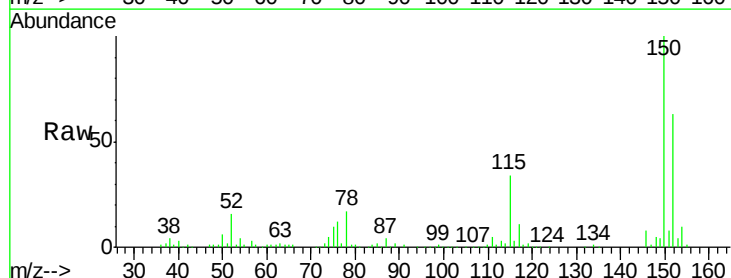


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

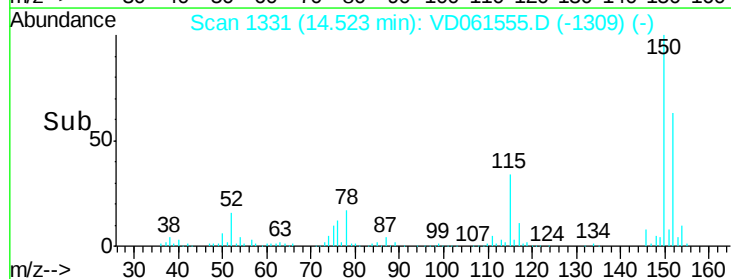
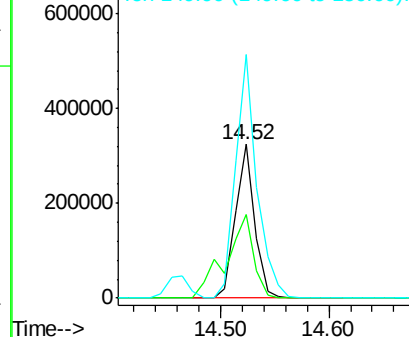


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion:152 Resp: 398838
Ion Ratio Lower Upper
152 100
115 54.2 26.9 80.6
150 158.6 0.0 318.0



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: 53.352 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

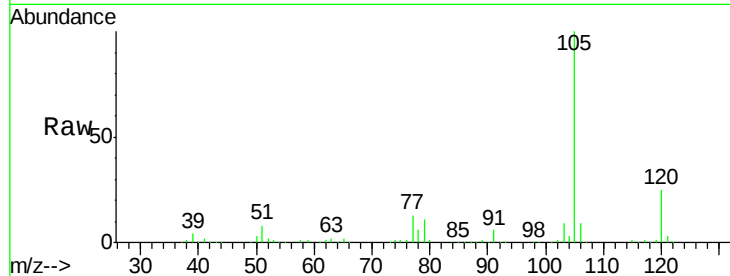
ClientSampleId :

Tot Ion:105 Resp: 1480993

Ion Ratio Lower Upper

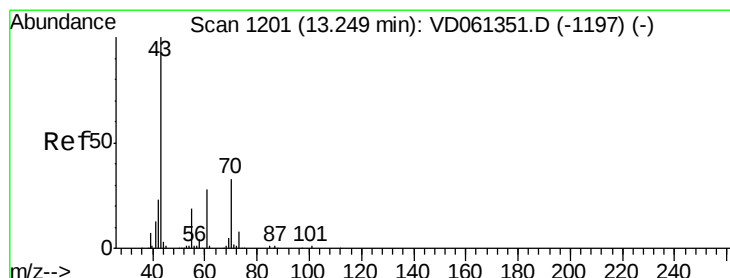
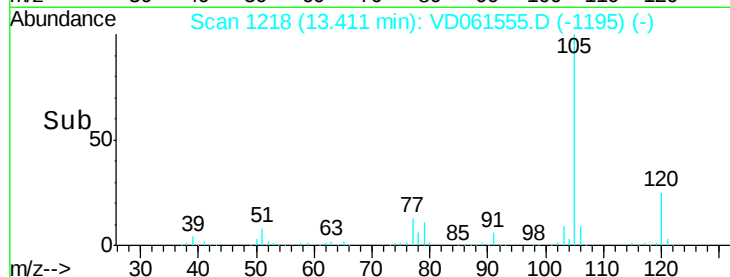
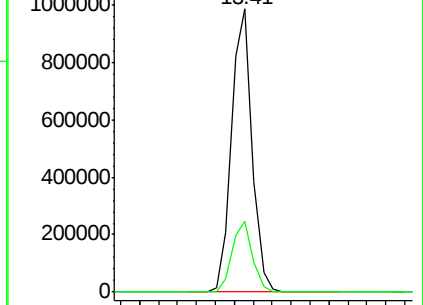
105 100

120 25.1 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.732 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Tgt Ion: 43 Resp: 392296

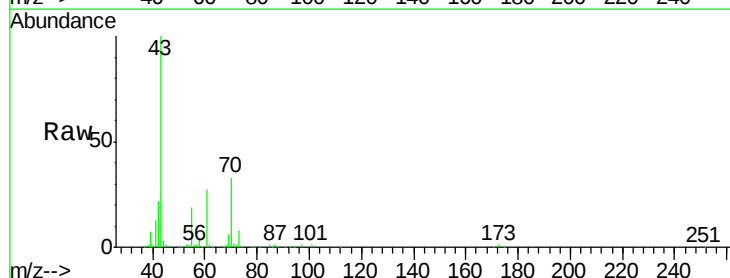
Ion Ratio Lower Upper

43 100

70 32.7 26.6 40.0

55 18.8 15.4 23.2

61 26.9 22.2 33.4

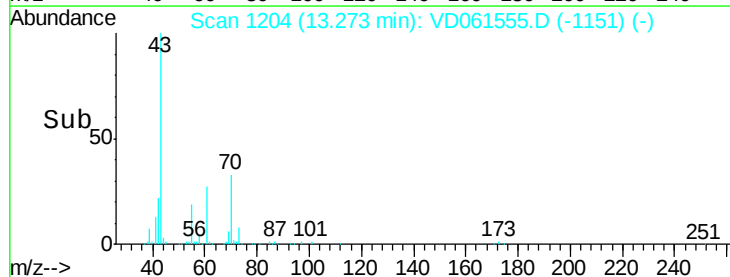
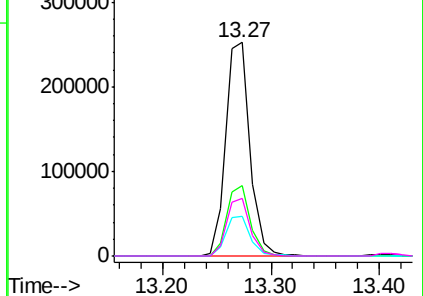


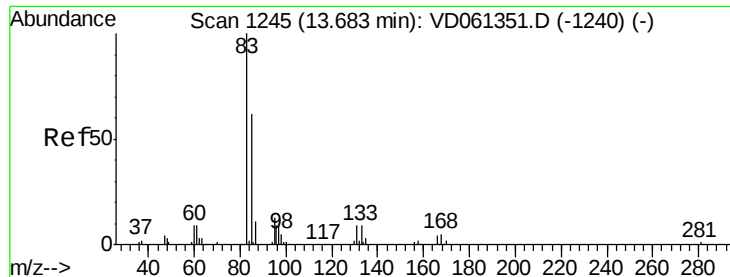
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.699 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

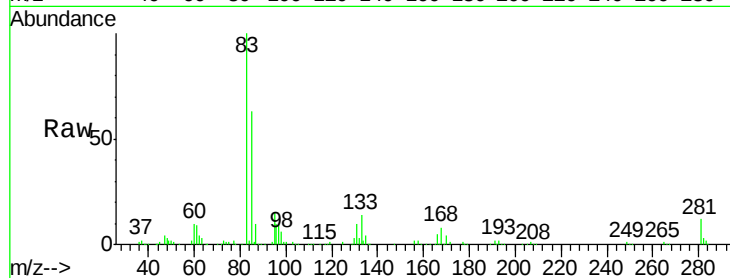
Tot Ion: 83 Resp: 279310

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.3	13.1
85	63.5	31.2	93.6

83 100

131 10.4 4.3 13.1

85 63.5 31.2 93.6



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

250000

200000

150000

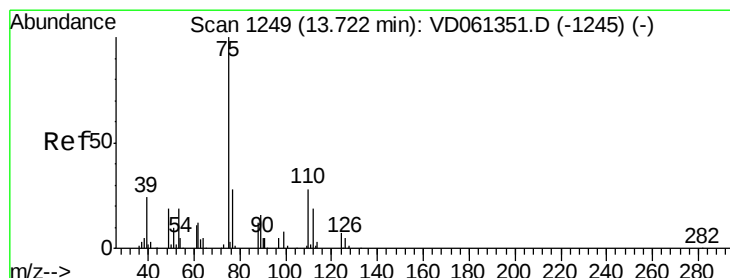
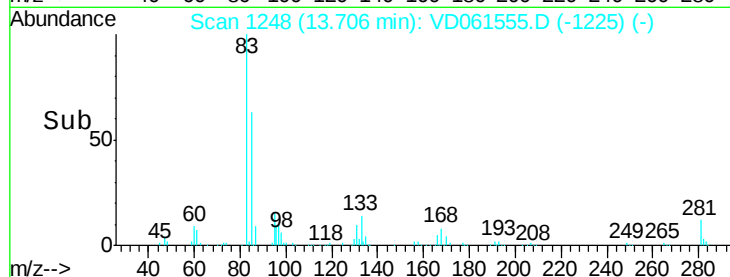
100000

50000

0

13.60 13.70 13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.178 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061555.D

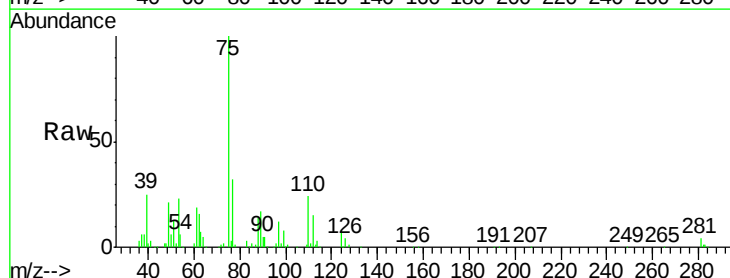
Acq: 3 Apr 2019 14:37

Tgt Ion: 75 Resp: 271806

Ion	Ratio	Lower	Upper
75	100		
77	32.3	16.2	48.5

75 100

77 32.3 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

300000

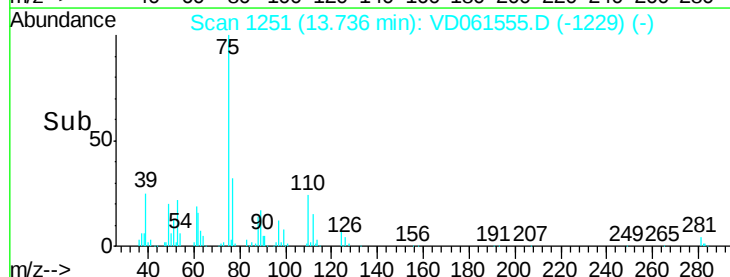
200000

100000

0

13.70 13.75 13.80 13.85

Time-->





#77

Bromobenzene

Concen: 49.030 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

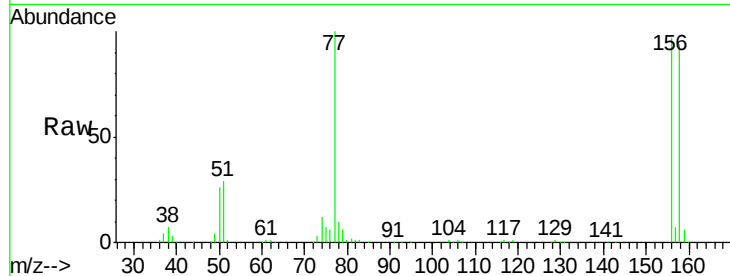
Tot Ion:156 Resp: 403482

Ion Ratio Lower Upper

156 100

77 103.2 68.5 205.6

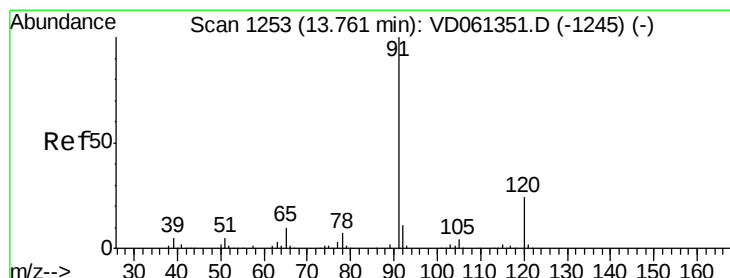
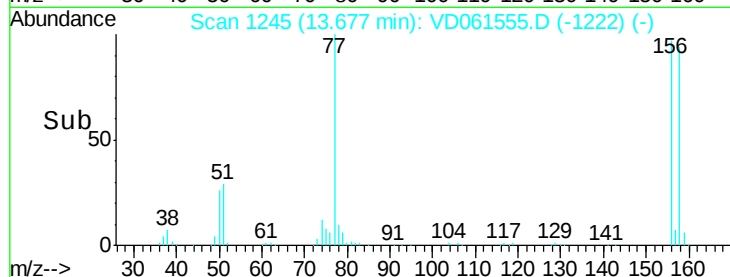
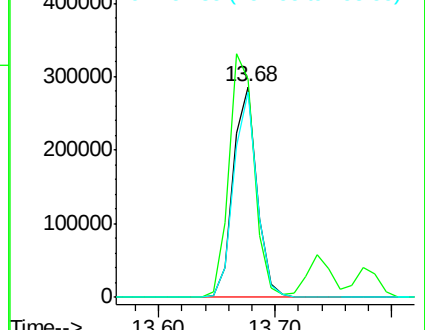
158 97.0 49.1 147.3



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: 47.193 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061555.D

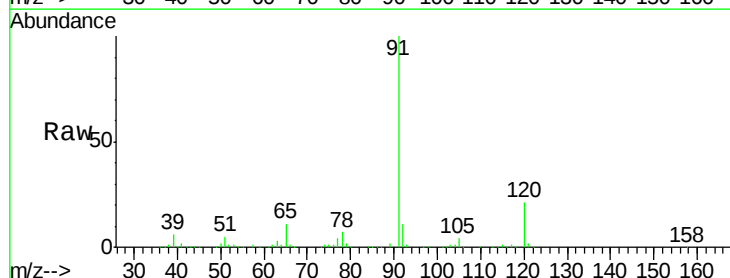
Acq: 3 Apr 2019 14:37

Tgt Ion: 91 Resp: 1603172

Ion Ratio Lower Upper

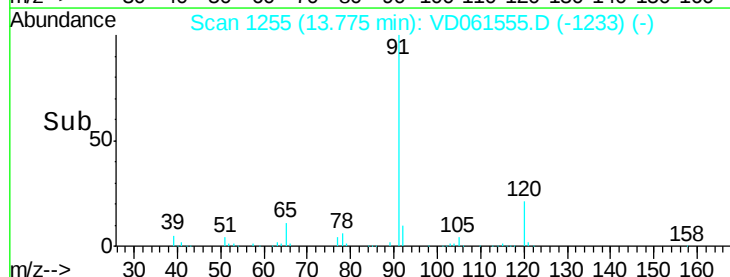
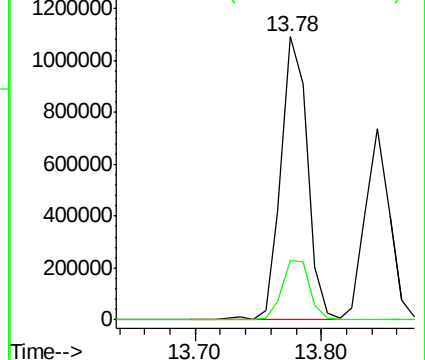
91 100

120 21.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.057 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

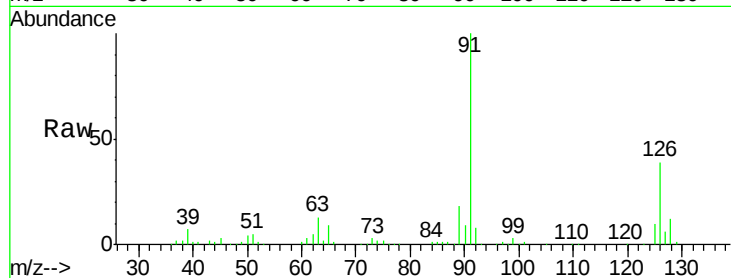
ClientSampleId :

Tot Ion: 91 Resp: 978634

Ion Ratio Lower Upper

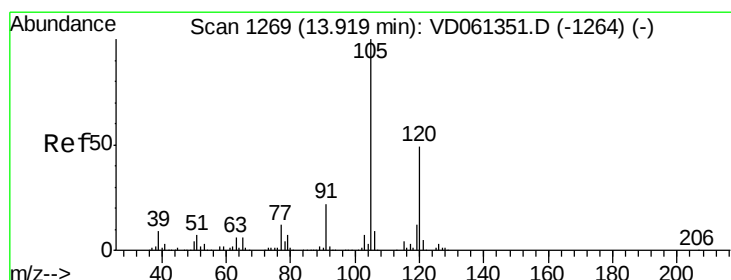
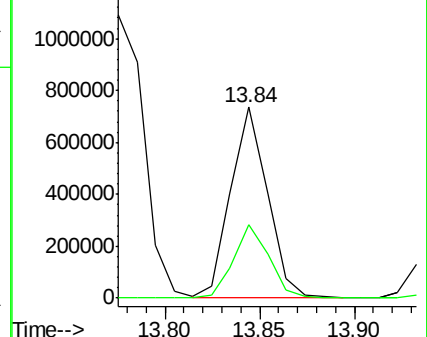
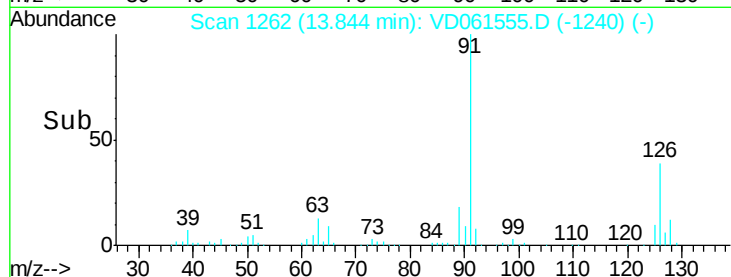
91 100

126 38.7 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.534 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061555.D

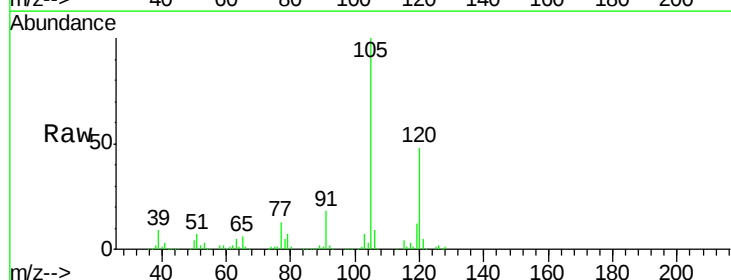
Acq: 3 Apr 2019 14:37

Tgt Ion:105 Resp: 1088372

Ion Ratio Lower Upper

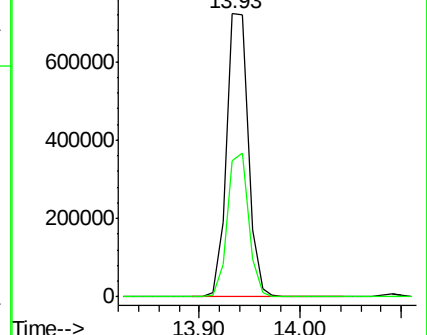
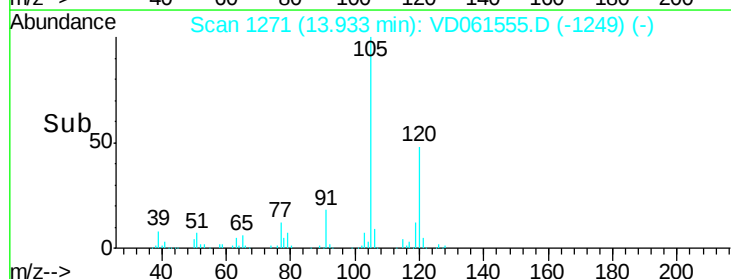
105 100

120 48.2 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)

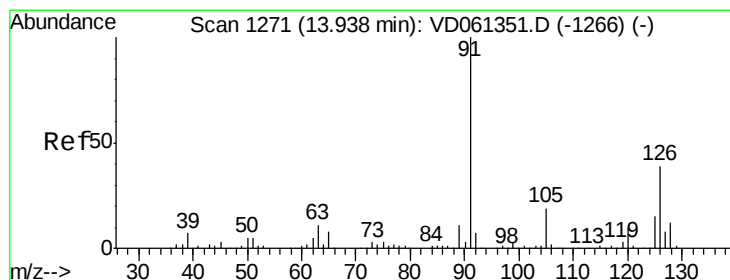
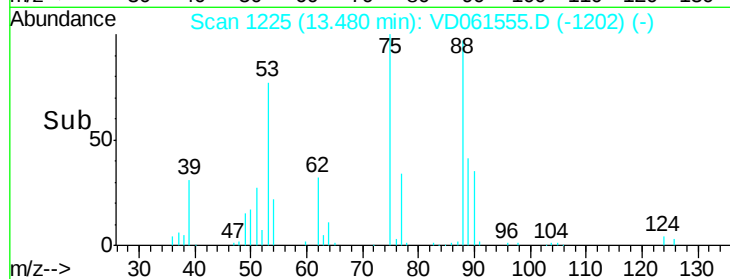
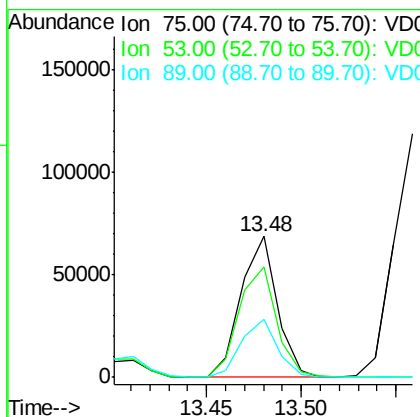
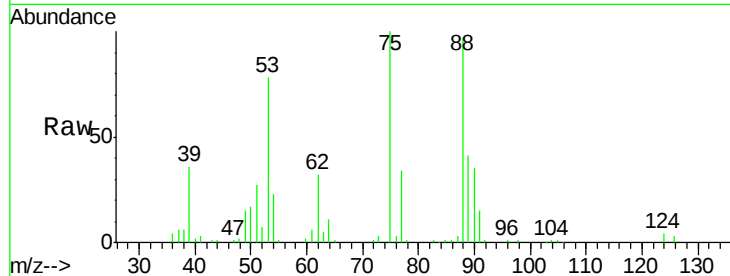




#81
trans-1,4-Dichloro-2-butene
Concen: 52.015 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.02 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

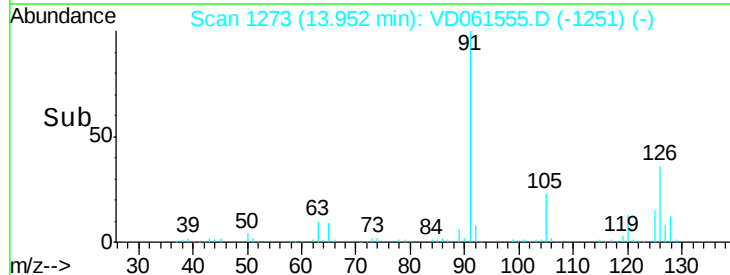
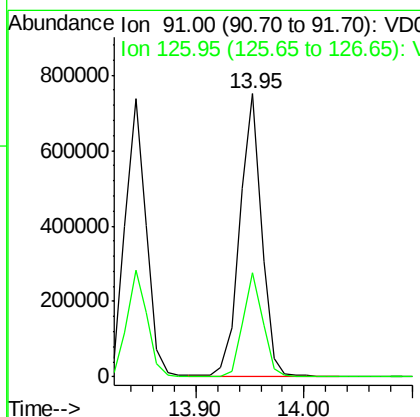
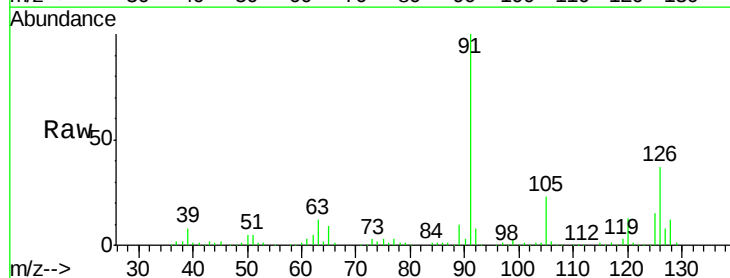
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 91371
Ion Ratio Lower Upper
75 100
53 78.2 63.8 95.8
89 41.2 30.5 45.7



#82
4-Chlorotoluene
Concen: 52.247 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 91 Resp: 1047868
Ion Ratio Lower Upper
91 100
126 36.7 19.6 58.8

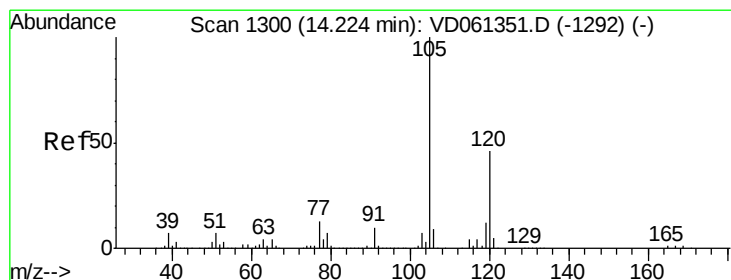
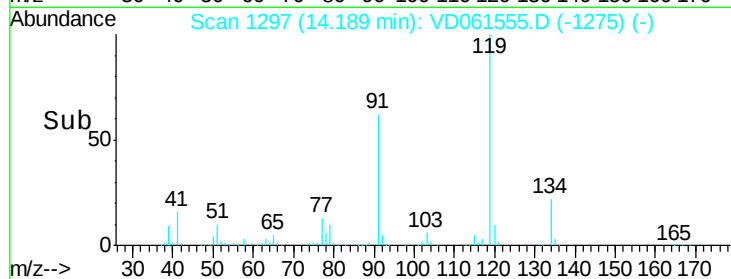
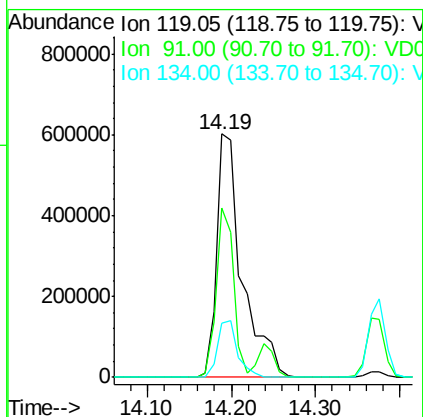
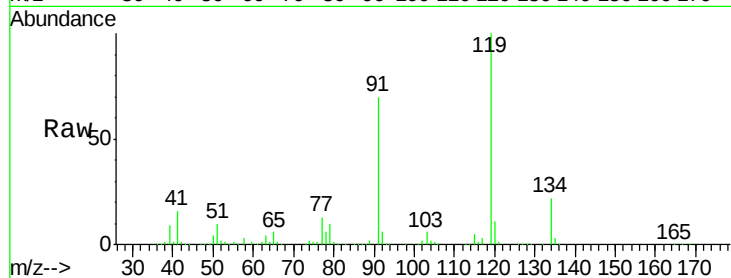




#83
tert-Butylbenzene
Concen: 46.922 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

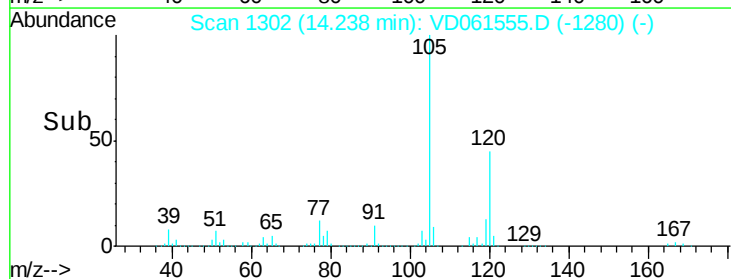
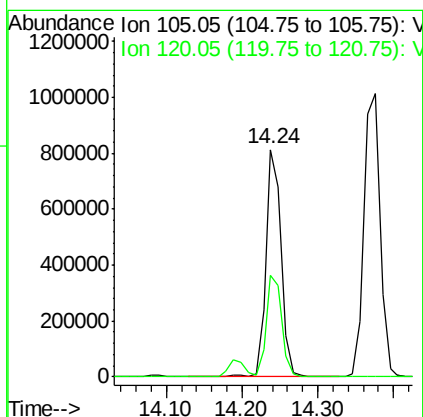
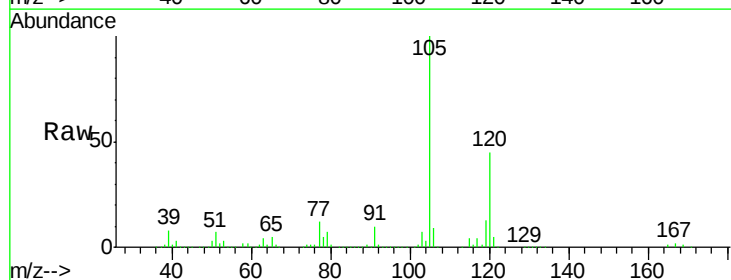
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 1262955
Ion Ratio Lower Upper
119 100
91 69.7 34.1 102.3
134 22.5 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 48.941 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion:105 Resp: 1141176
Ion Ratio Lower Upper
105 100
120 44.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 51.556 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA_D

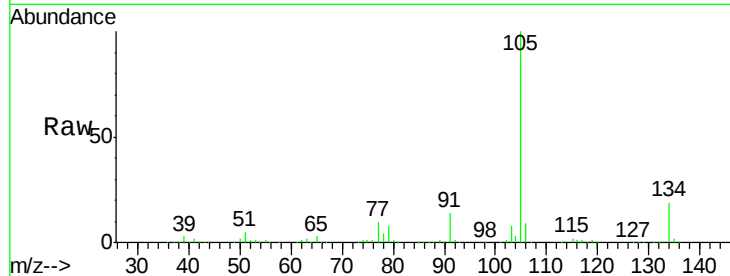
ClientSampleID :

Tot Ion:105 Resp: 1474188

Ion Ratio Lower Upper

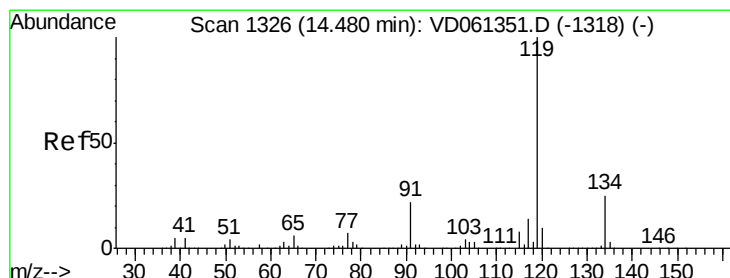
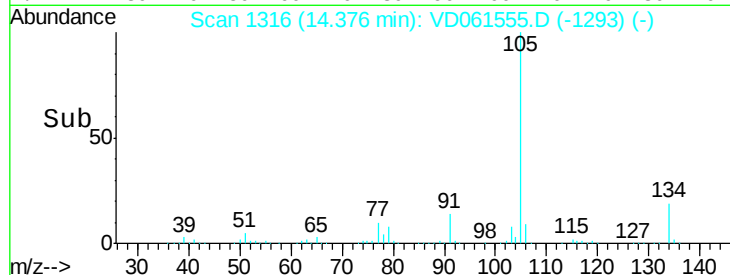
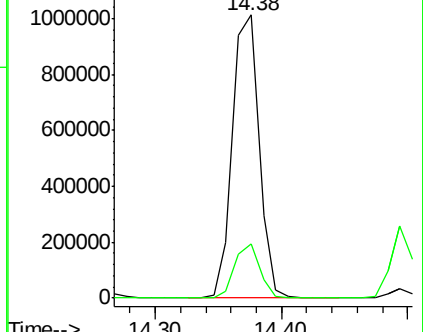
105 100

134 19.1 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.705 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

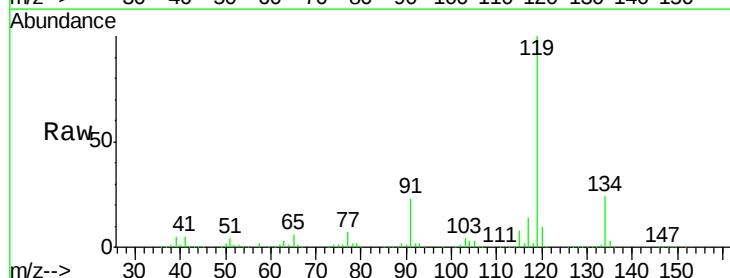
Tgt Ion:119 Resp: 1274365

Ion Ratio Lower Upper

119 100

134 24.1 12.3 36.8

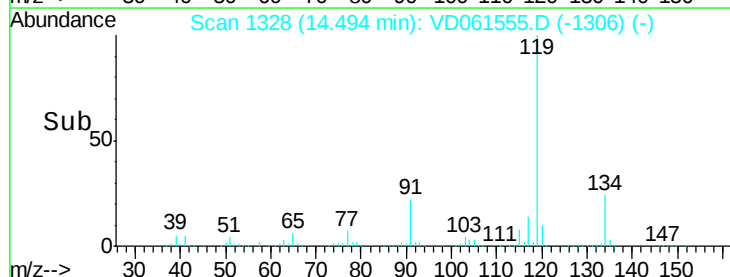
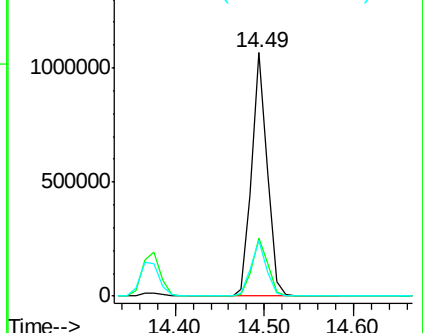
91 22.6 11.1 33.1



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

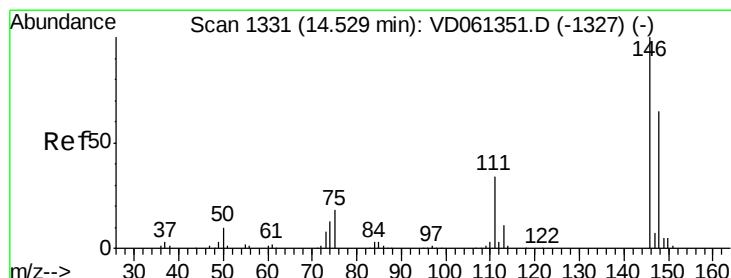
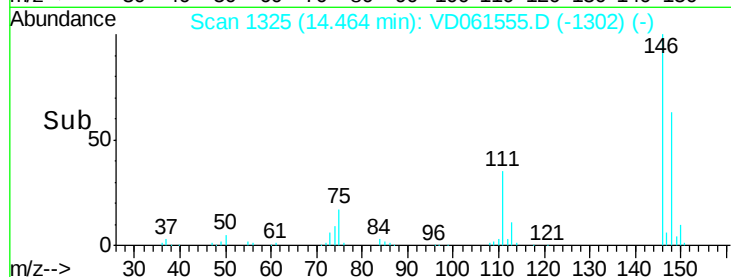
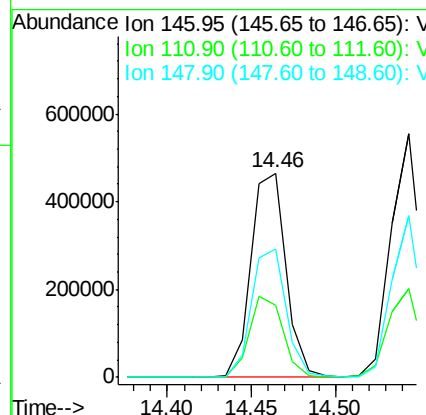
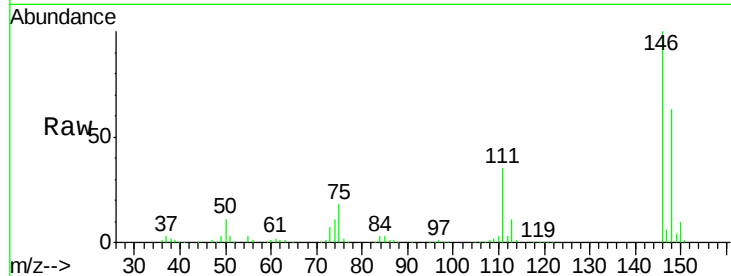




#87
 1,3-Dichlorobenzene
 Concen: 48.197 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

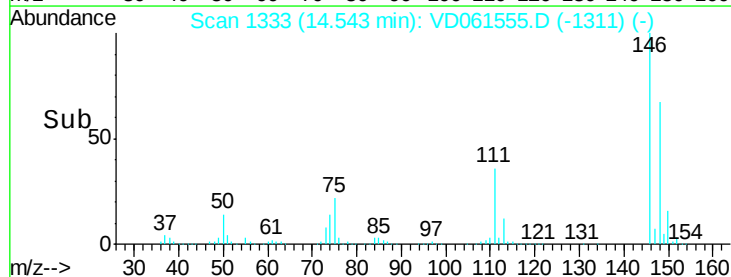
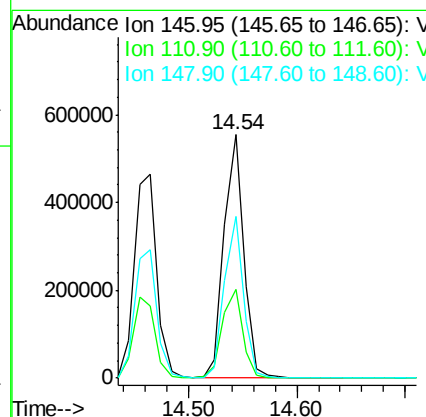
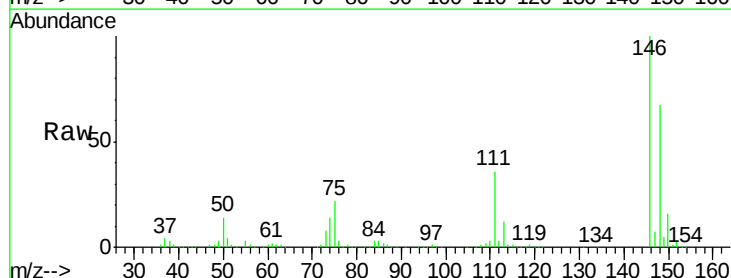
Instrument :
 MSVOA_D
 ClientSampled :

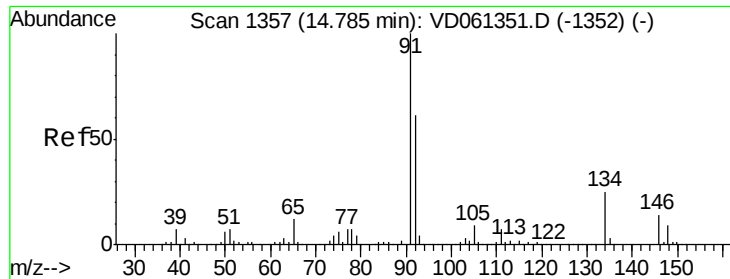
Tot Ion:146 Resp: 671643
 Ion Ratio Lower Upper
 146 100
 111 35.1 20.6 61.9
 148 62.7 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 51.668 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Tgt Ion:146 Resp: 702157
 Ion Ratio Lower Upper
 146 100
 111 36.4 16.8 50.4
 148 66.6 32.6 98.0

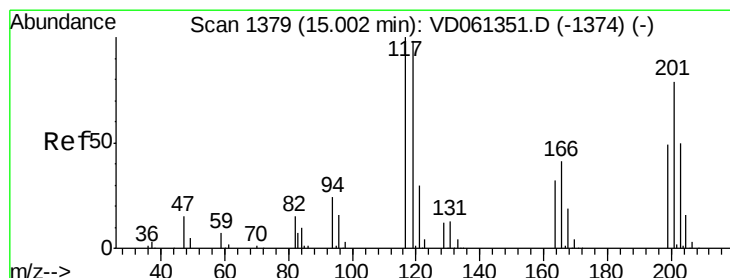
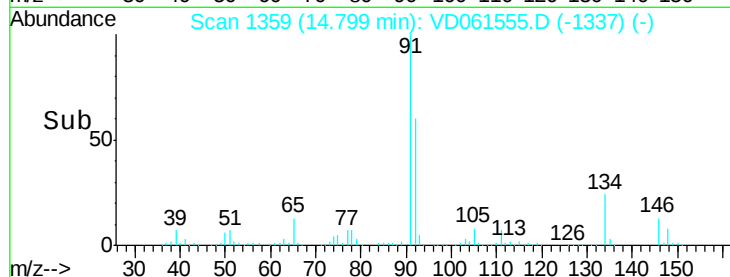
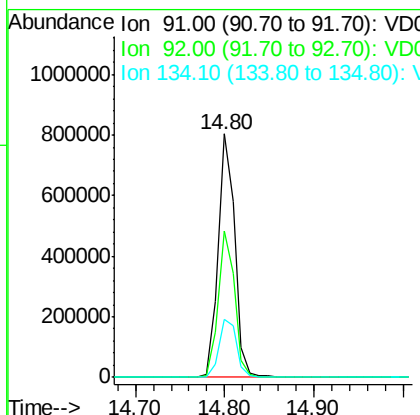
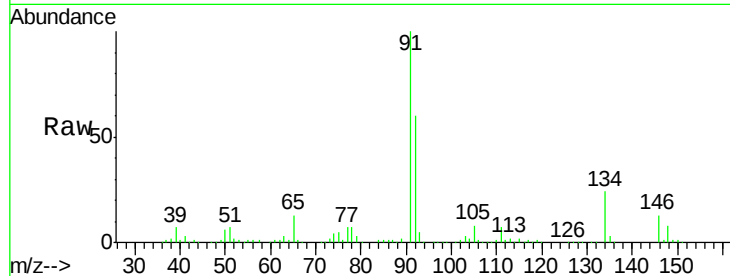




#89
n-Butylbenzene
Concen: 47.214 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

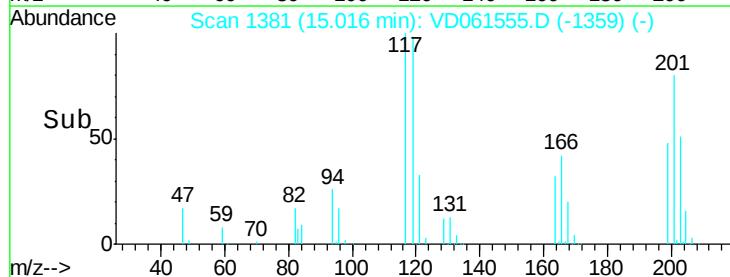
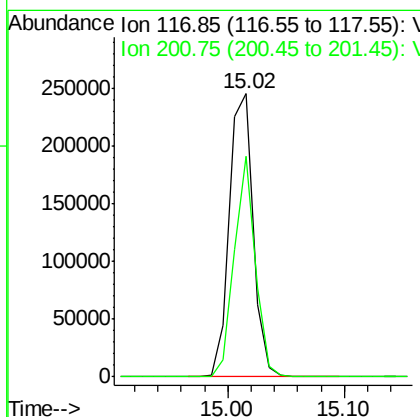
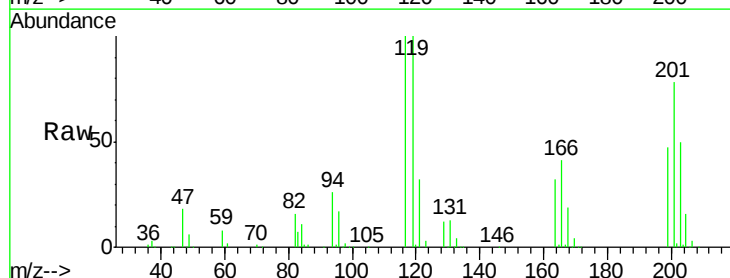
Instrument :
MSVOA_D
ClientSampleId :

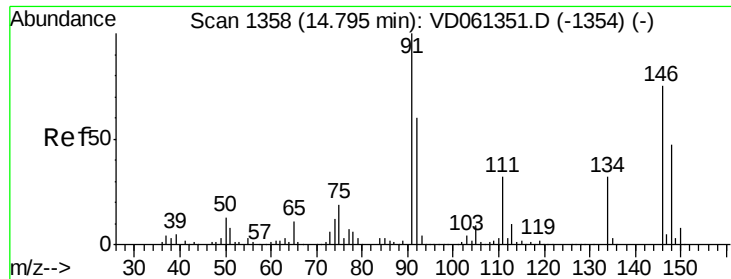
Tot Ion: 91 Resp: 1047798
Ion Ratio Lower Upper
91 100
92 60.1 30.3 91.0
134 24.0 12.4 37.0



#90
Hexachloroethane
Concen: 51.151 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion: 117 Resp: 349402
Ion Ratio Lower Upper
117 100
201 78.2 39.6 119.0

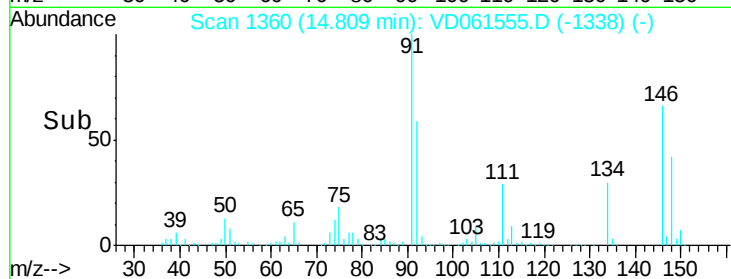
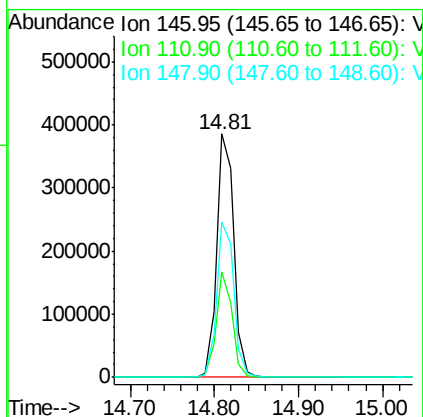
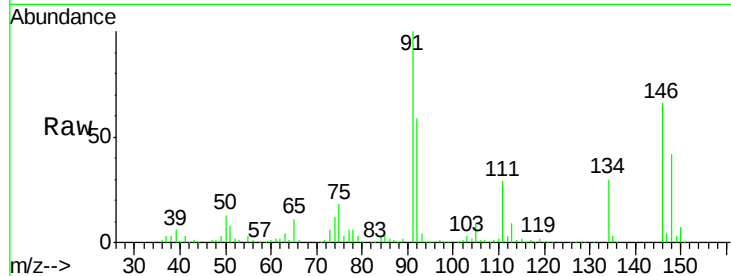




#91
 1,2-Dichlorobenzene
 Concen: 47.293 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

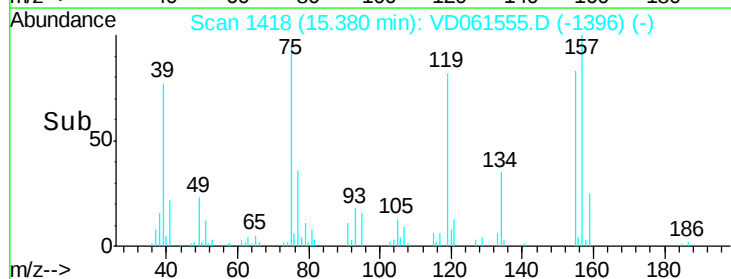
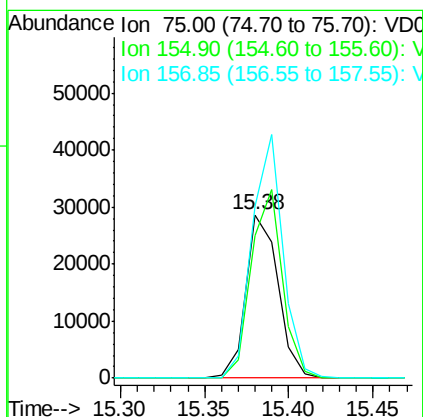
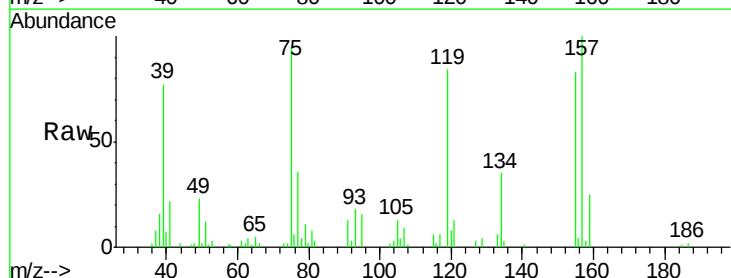
Instrument :
 MSVOA_D
 ClientSampleId :

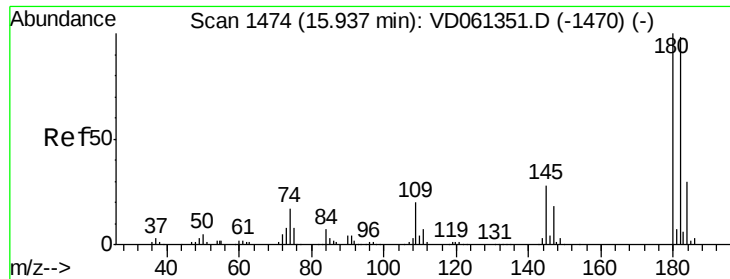
Tot Ion:146 Resp: 540586
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.2 63.6
 148 63.5 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.135 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Tgt Ion: 75 Resp: 37866
 Ion Ratio Lower Upper
 75 100
 155 87.7 43.6 130.9
 157 105.7 58.5 175.3

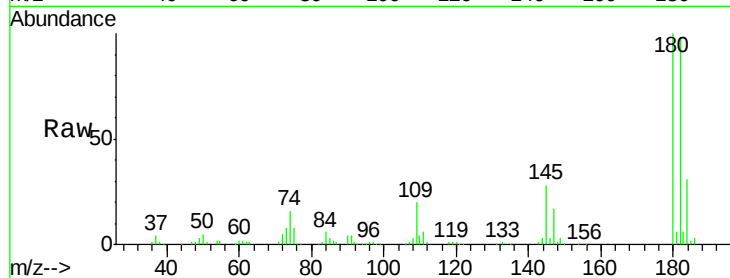




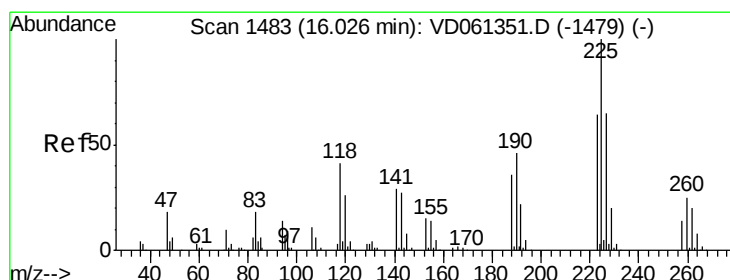
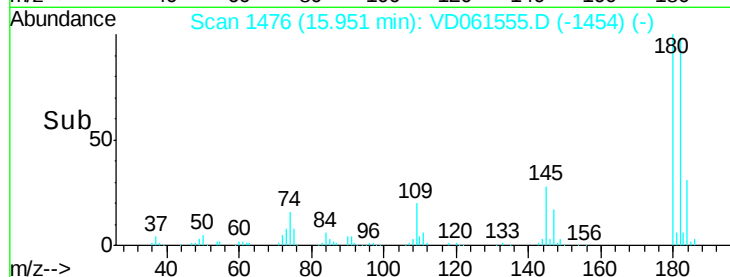
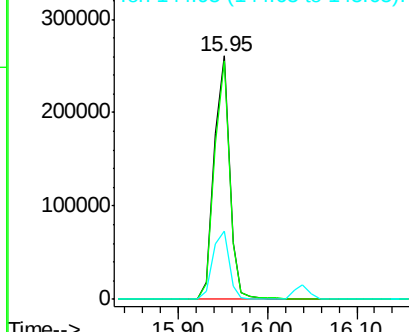
#93
 1,2,4-Trichlorobenzene
 Concen: 60.544 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 315255
 Ion Ratio Lower Upper
 180 100
 182 97.8 48.9 146.8
 145 28.1 14.1 42.3

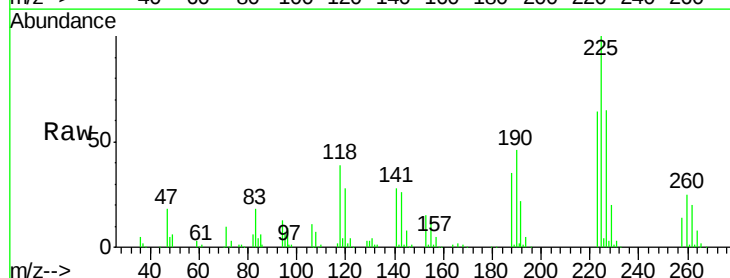


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

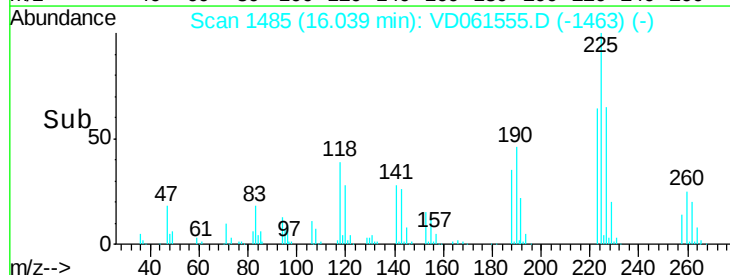
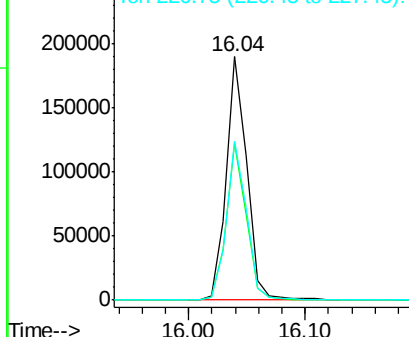


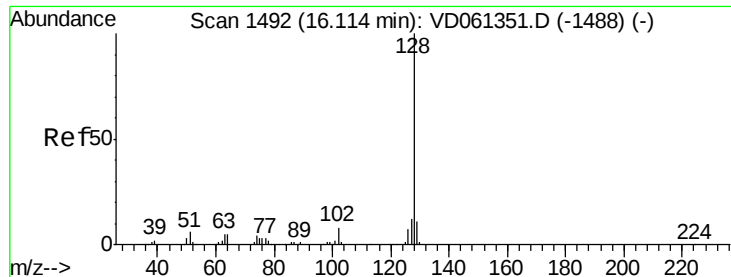
#94
 Hexachlorobutadiene
 Concen: 56.837 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061555.D
 Acq: 3 Apr 2019 14:37

Tgt Ion:225 Resp: 231264
 Ion Ratio Lower Upper
 225 100
 223 64.3 32.0 96.0
 227 65.4 32.4 97.2



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

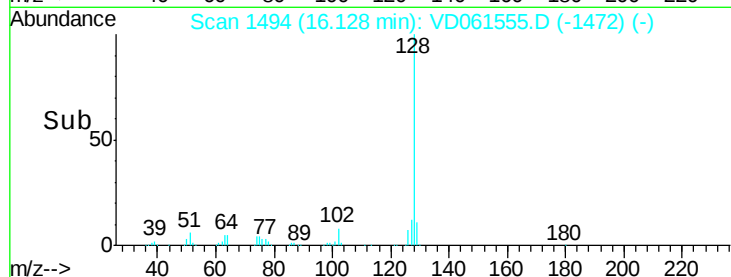
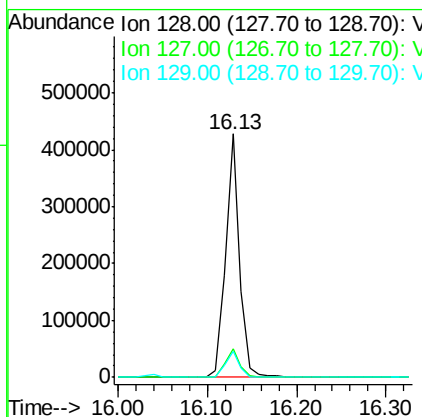
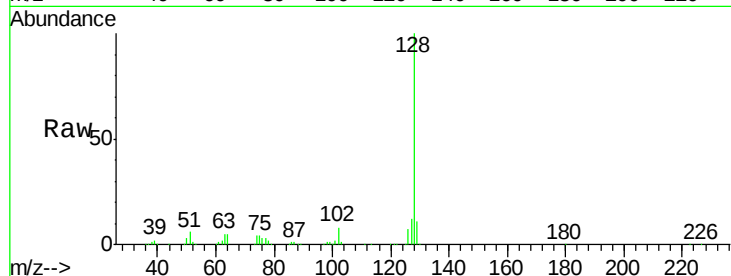




#95
Naphthalene
Concen: 59.967 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 475949
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 65.898 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061555.D
Acq: 3 Apr 2019 14:37

Tgt Ion:180 Resp: 150994
Ion Ratio Lower Upper
180 100
182 97.4 46.4 139.1
145 31.2 15.3 45.9

