

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061558.D
 Acq On : 3 Apr 2019 16:25
 Operator : VA/AP
 Sample : VD0403SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:48:52 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	7.04	168	618621	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1010774	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	791914	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	409693	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	268165	50.75	ug/l	0.02
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	6.92	113	393632	50.96	ug/l	0.02
Spiked Amount			Recovery	=	101.92%	
50) Toluene-d8	10.41	98	900646	48.62	ug/l	0.02
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	13.56	95	387515	54.55	ug/l	0.01
Spiked Amount			Recovery	=	109.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	139005	21.040	ug/l	99
3) Chloromethane	1.76	50	117599	21.826	ug/l	99
4) Vinyl Chloride	1.85	62	99234	20.059	ug/l	97
5) Bromomethane	2.15	94	20595	20.994	ug/l	95
6) Chloroethane	2.26	64	22662	15.621	ug/l	91
7) Trichlorofluoromethane	2.52	101	148059	20.581	ug/l	98
8) Diethyl Ether	2.87	74	46526	20.087	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	163755	21.173	ug/l	98
10) Methyl Iodide	3.31	142	200818	19.362	ug/l	98
11) Tert butyl alcohol	4.07	59	38437	116.793	ug/l	97
12) 1,1-Dichloroethene	3.12	96	136930	20.622	ug/l	98
13) Acrolein	3.04	56	22558	73.815	ug/l	94
14) Allyl chloride	3.62	41	198356	21.418	ug/l	98
15) Acrylonitrile	4.20	53	129601	113.461	ug/l	94
16) Acetone	3.22	43	146843	108.094	ug/l	93
17) Carbon Disulfide	3.38	76	425135	19.706	ug/l	99
18) Methyl Acetate	3.64	43	67407	23.600	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	248689	21.636	ug/l	97
20) Methylene Chloride	3.81	84	201142	25.490	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	152731	21.305	ug/l	99
22) Diisopropyl ether	5.11	45	432881	22.088	ug/l	92
23) Vinyl Acetate	5.05	43	1184653	111.279	ug/l	98
24) 1,1-Dichloroethane	4.98	63	248520	21.577	ug/l	100
25) 2-Butanone	6.07	43	175486	102.693	ug/l	100
26) 2,2-Dichloropropane	6.03	77	204915	22.380	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	173246	22.057	ug/l	99
28) Bromochloromethane	6.43	49	99225	21.342	ug/l #	93
29) Tetrahydrofuran	6.45	42	97148	117.291	ug/l	98
30) Chloroform	6.67	83	267175	22.450	ug/l	99
31) Cyclohexane	6.95	56	186564	20.498	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	224408	21.374	ug/l	98
36) 1,1-Dichloropropene	7.15	75	199400	22.603	ug/l	99
37) Ethyl Acetate	6.19	43	95712	25.369	ug/l	98
38) Carbon Tetrachloride	7.11	117	219639	21.667	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	192953	21.001	ug/l	95
40) Benzene	7.46	78	506971	22.898	ug/l	95
41) Methacrylonitrile	6.45	41	107138	24.287	ug/l	97
42) 1,2-Dichloroethane	7.58	62	154235	23.289	ug/l	100
43) Isopropyl Acetate	9.24	43	129569	23.603	ug/l	99
44) Trichloroethene	8.54	130	189106	22.951	ug/l	98
45) 1,2-Dichloropropane	8.94	63	128246	22.843	ug/l	97
46) Dibromomethane	9.06	93	88071	23.307	ug/l	95
47) Bromodichloromethane	9.37	83	186397	21.978	ug/l	96
48) Methyl methacrylate	9.12	41	69189	22.838	ug/l	94
49) 1,4-Dioxane	9.08	88	15817	473.339	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	407895	122.134	ug/l	97
52) Toluene	10.51	92	312169	23.111	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	184631	23.961	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	217611	23.193	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	110955	23.489	ug/l	95
56) Ethyl methacrylate	11.04	69	121668	23.976	ug/l	97
57) 1,3-Dichloropropane	11.41	76	153258	22.074	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	305755	123.722	ug/l	98
59) 2-Hexanone	11.53	43	322811	133.407	ug/l	99
60) Dibromochloromethane	11.69	129	172654	23.709	ug/l	99
61) 1,2-Dibromoethane	11.81	107	125695	22.979	ug/l	100
64) Tetrachloroethene	11.26	164	138340	22.259	ug/l	97
65) Chlorobenzene	12.40	112	382059	23.607	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	158021	25.218	ug/l	98
67) Ethyl Benzene	12.53	91	653227	26.443	ug/l	98
68) m/p-Xylenes	12.67	106	467421	49.951	ug/l	95
69) o-Xylene	13.05	106	223335	24.594	ug/l	99
70) Styrene	13.08	104	390048	24.640	ug/l	98
71) Bromoform	13.23	173	95949	24.155	ug/l #	96
73) Isopropylbenzene	13.40	105	587604	20.607	ug/l	99
74) N-amyl acetate	13.26	43	170524	21.468	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	126877	21.093	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	124966	21.116	ug/l	97
77) Bromobenzene	13.67	156	167384	19.801	ug/l	98
78) n-propylbenzene	13.78	91	702567	20.134	ug/l	98
79) 2-Chlorotoluene	13.84	91	389512	20.558	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	509275	23.019	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	33875	18.773	ug/l	96
82) 4-Chlorotoluene	13.95	91	447358	21.715	ug/l	98
83) tert-Butylbenzene	14.19	119	568370	20.557	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	522007	21.794	ug/l	99
85) sec-Butylbenzene	14.37	105	655860	22.329	ug/l	100
86) p-Isopropyltoluene	14.49	119	572305	23.042	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	308989	21.585	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	323843	23.198	ug/l	99
89) n-Butylbenzene	14.80	91	519000	22.767	ug/l	99
90) Hexachloroethane	15.01	117	131786	18.782	ug/l	71
91) 1,2-Dichlorobenzene	14.81	146	265415	22.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15765	22.347	ug/l	90

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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

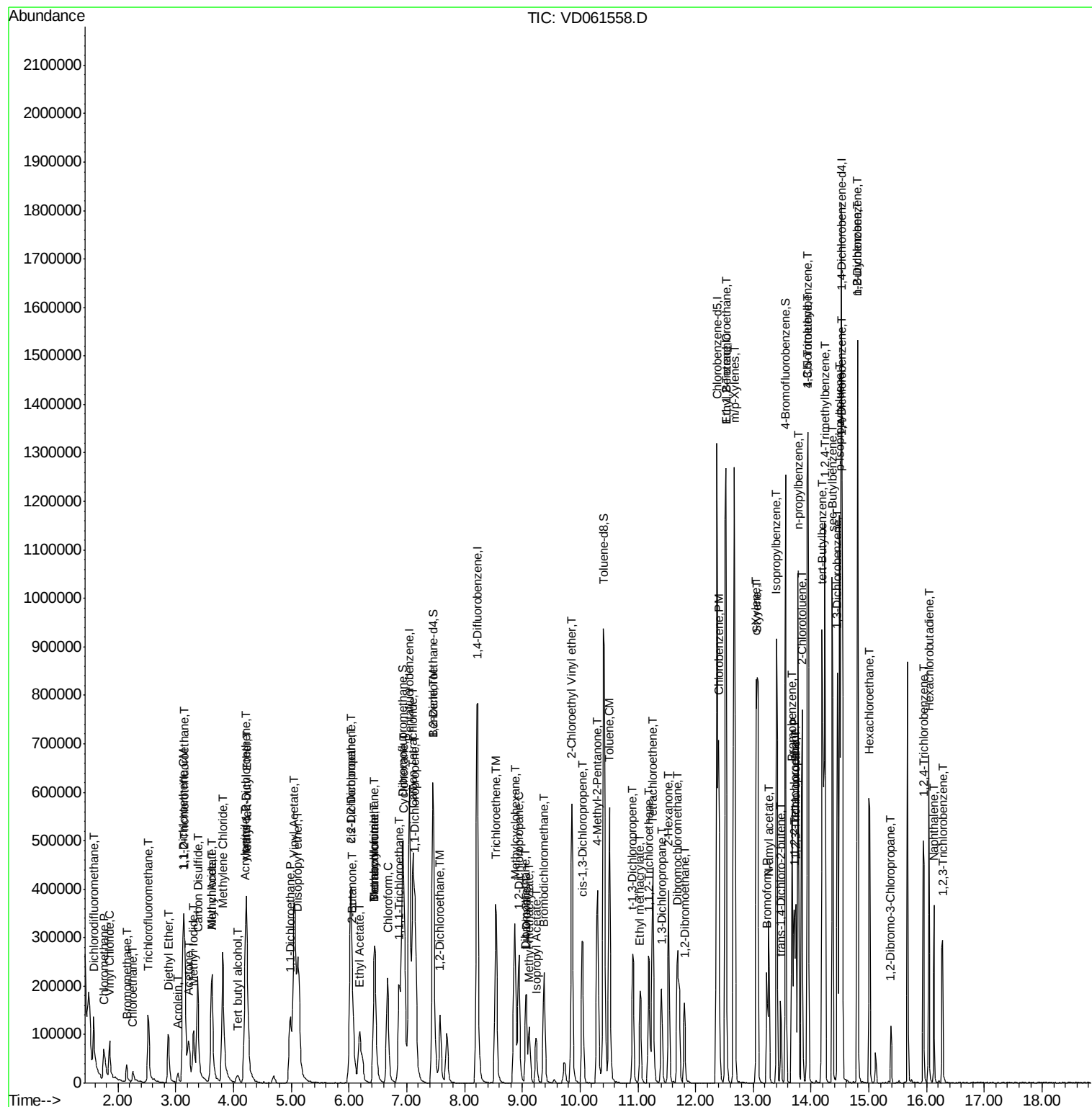
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	141329	26.423	ug/l	98
94) Hexachlorobutadiene	16.04	225	106212	25.412	ug/l	95
95) Naphthalene	16.13	128	226911	27.832	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	86828	36.890	ug/l	98

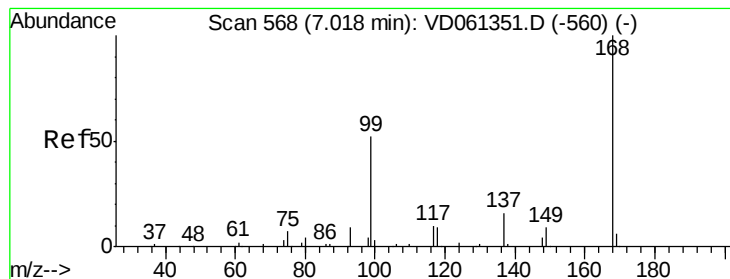
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061558.D
 Acq On : 3 Apr 2019 16:25
 Operator : VA/AP
 Sample : VD0403SBS01
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampled :

Quant Time: Apr 04 01:48:52 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

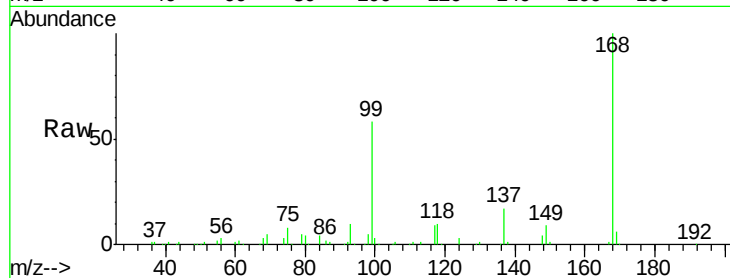
ClientSampleId :

Tot Ion:168 Resp: 618621

Ion Ratio Lower Upper

168 100

99 58.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

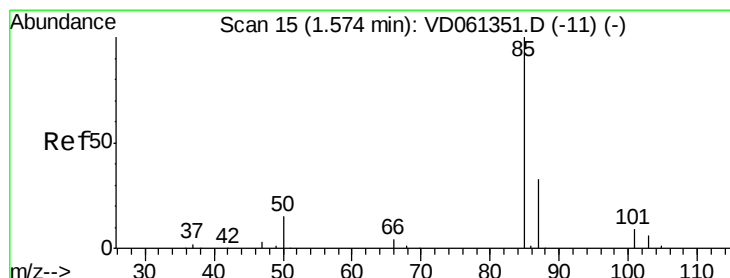
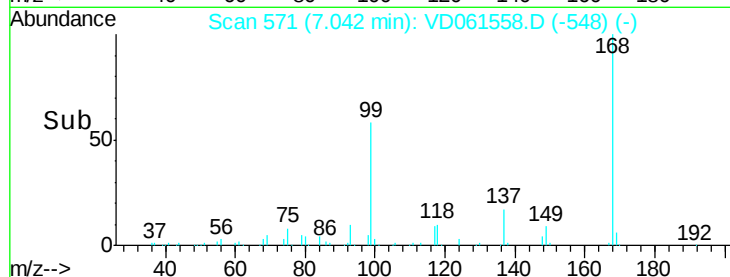
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.040 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061558.D

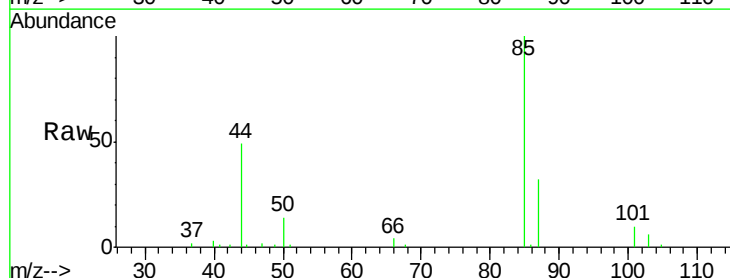
Acq: 3 Apr 2019 16:25

Tgt Ion: 85 Resp: 139005

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

60000

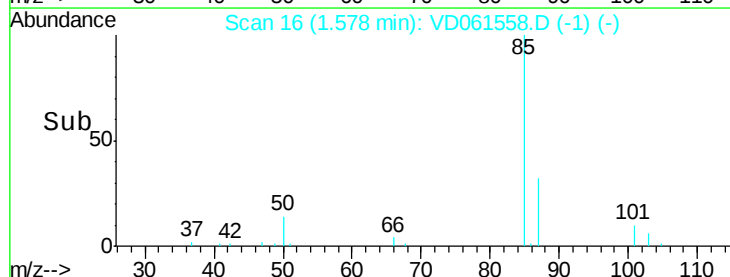
40000

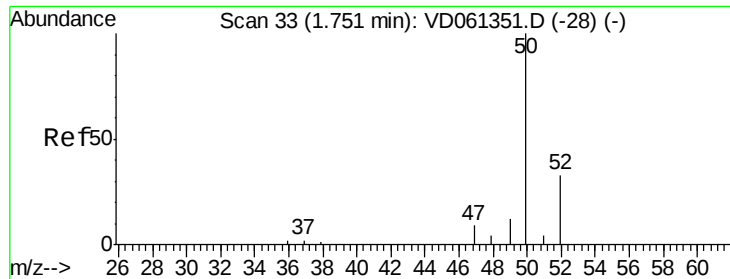
20000

0

1.50 1.60 1.70 1.80

Time-->

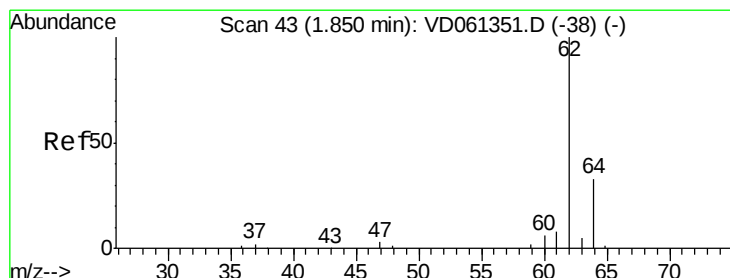
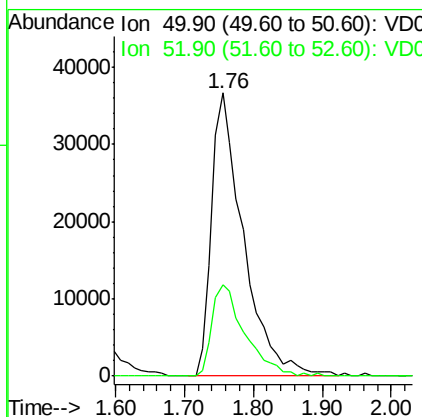
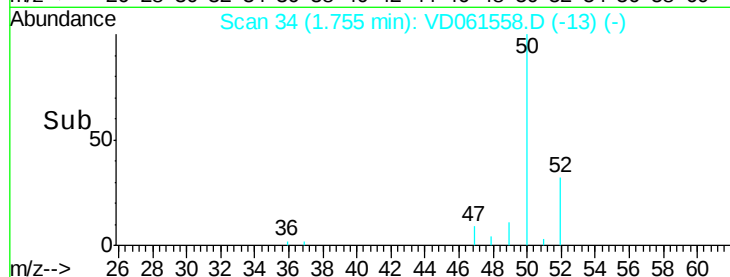
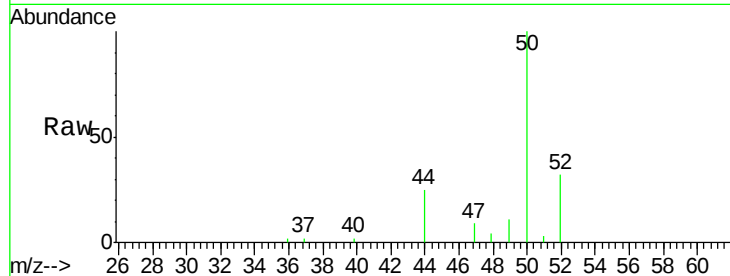




#3
 Chloromethane
 Concen: 21.826 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

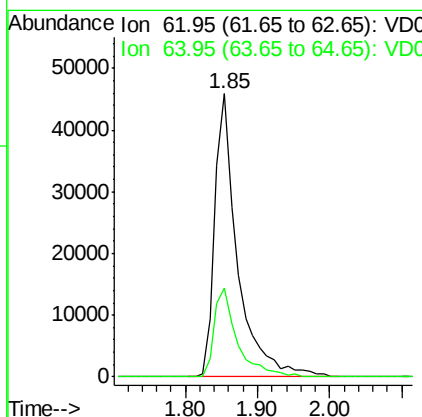
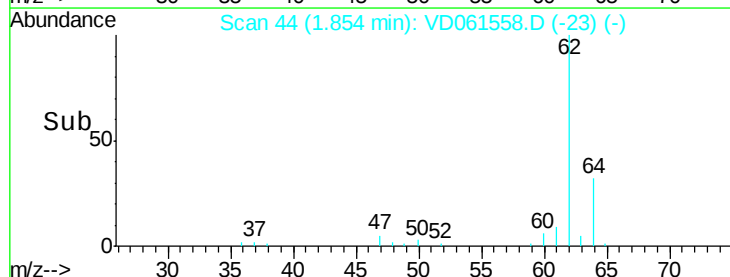
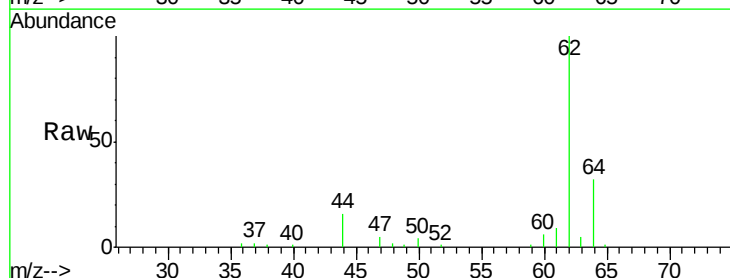
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 50 Resp: 117599
 Ion Ratio Lower Upper
 50 100
 52 32.1 26.1 39.1



#4
 Vinyl Chloride
 Concen: 20.059 ug/l
 RT: 1.85 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion: 62 Resp: 99234
 Ion Ratio Lower Upper
 62 100
 64 31.5 26.6 39.8





#5

Bromomethane

Concen: 20.994 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :

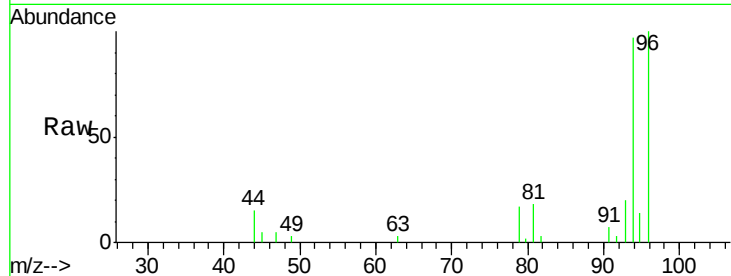
Tot Ion: 94 Resp: 20595

Ion Ratio Lower Upper

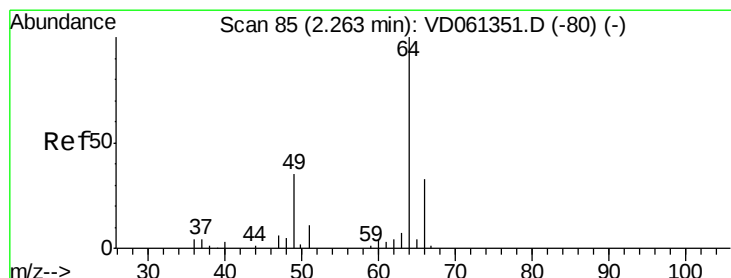
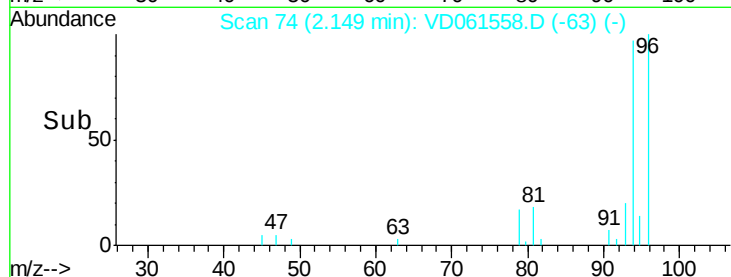
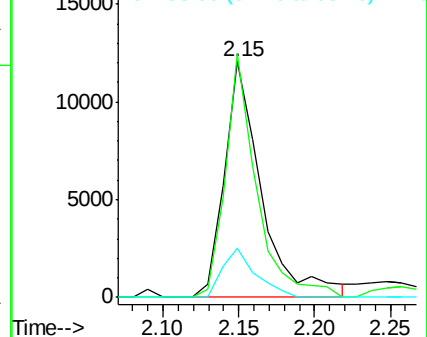
94 100

96 103.3 78.3 117.5

93 20.8 15.6 23.4



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



#6

Chloroethane

Concen: 15.621 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061558.D

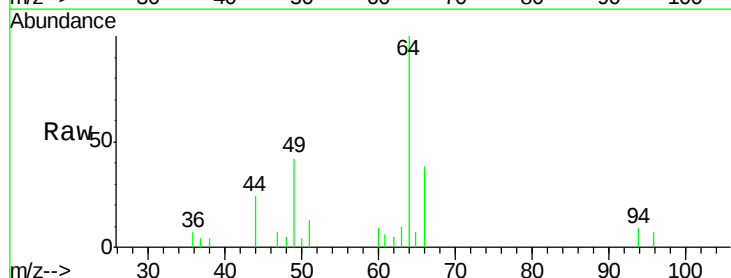
Acq: 3 Apr 2019 16:25

Tgt Ion: 64 Resp: 22662

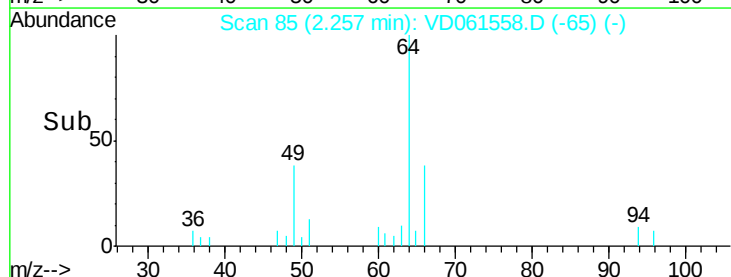
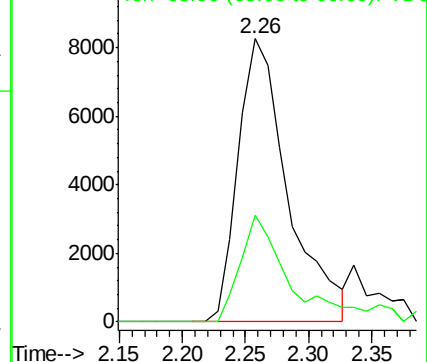
Ion Ratio Lower Upper

64 100

66 37.6 26.2 39.2



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



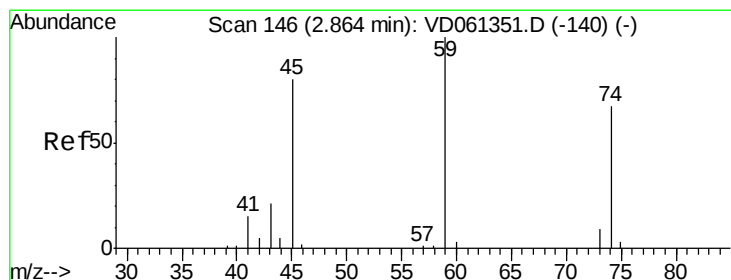
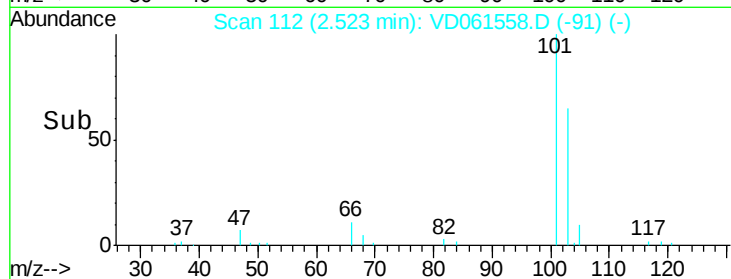
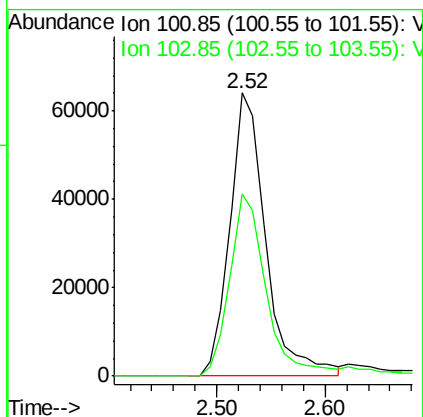
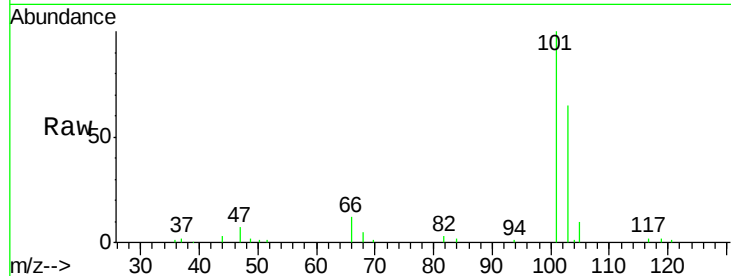


#7

Trichlorofluoromethane
Concen: 20.581 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Instrument :
MSVOA_D
ClientSampled :

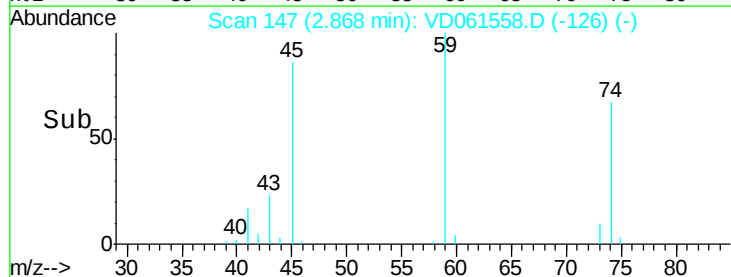
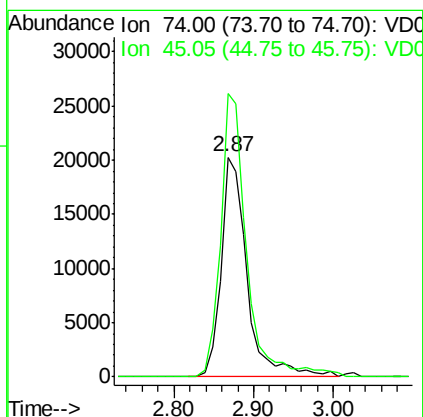
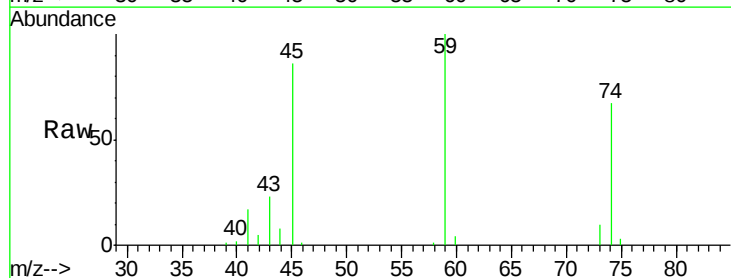
Tot Ion:101 Resp: 148059
Ion Ratio Lower Upper
101 100
103 64.5 53.1 79.7



#8

Diethyl Ether
Concen: 20.087 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion: 74 Resp: 46526
Ion Ratio Lower Upper
74 100
45 129.0 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.173 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

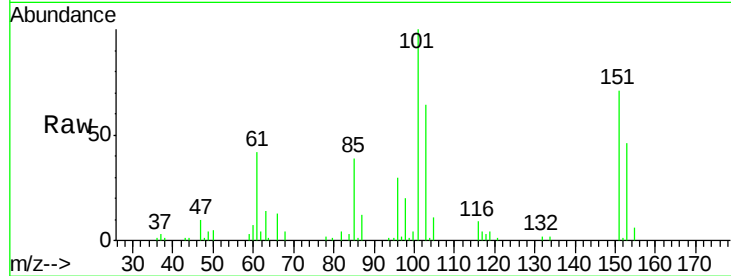
Tot Ion:101 Resp: 163755

Ion Ratio Lower Upper

101 100

85 39.2 29.4 44.0

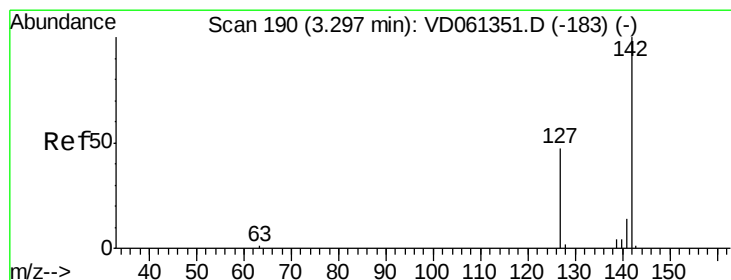
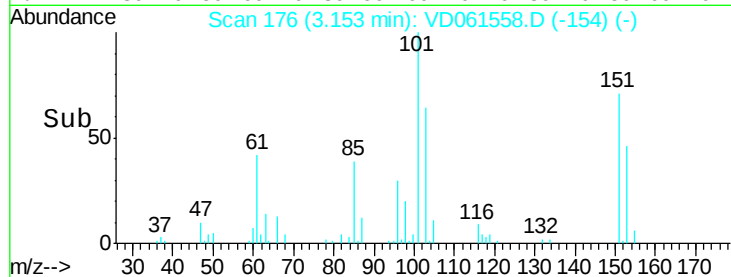
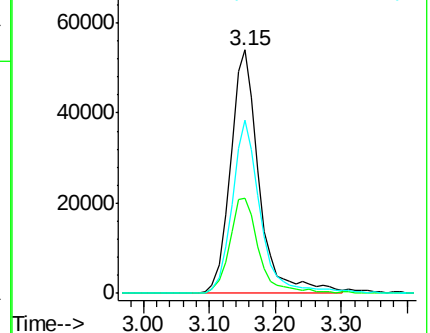
151 71.3 57.0 85.4



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: 19.362 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

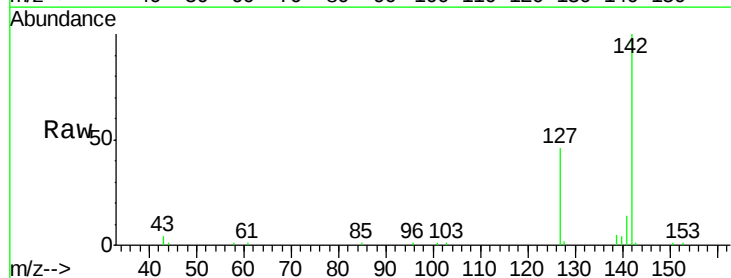
Tgt Ion:142 Resp: 200818

Ion Ratio Lower Upper

142 100

127 45.8 37.7 56.5

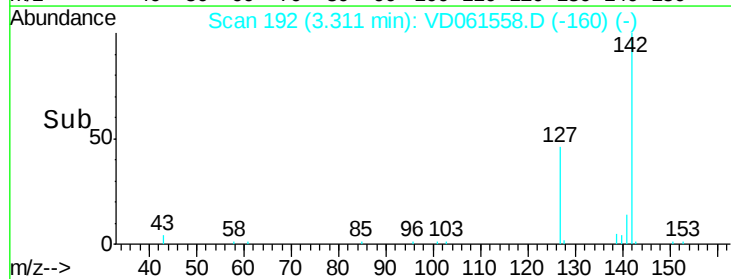
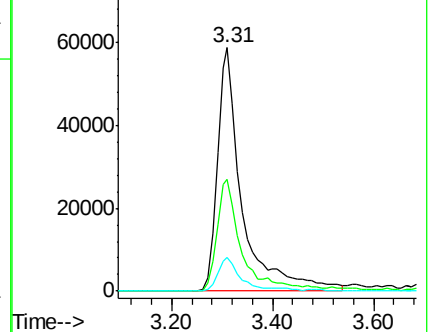
141 13.9 11.5 17.3

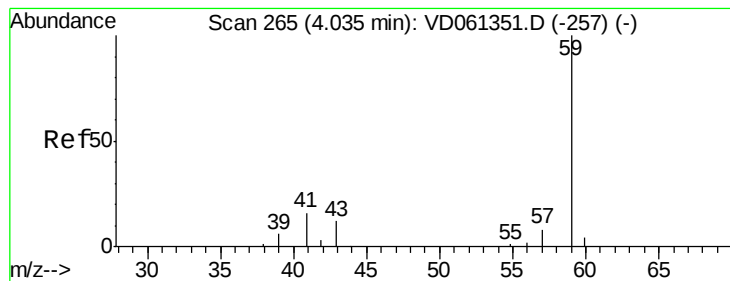


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



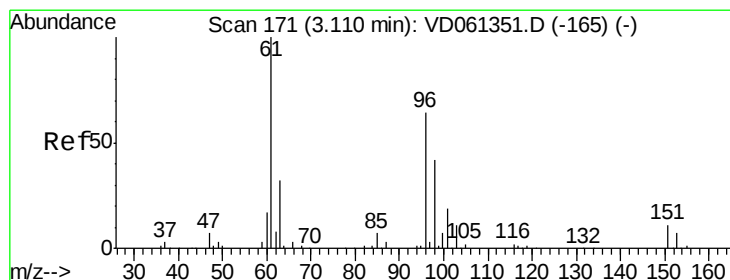
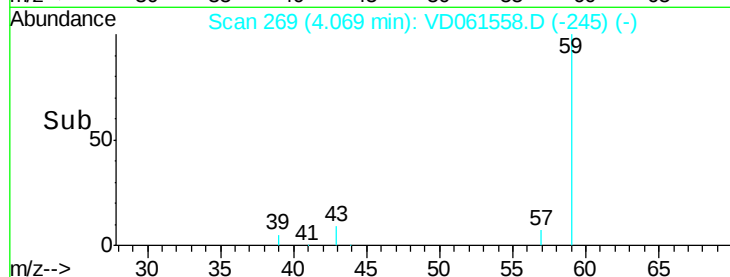
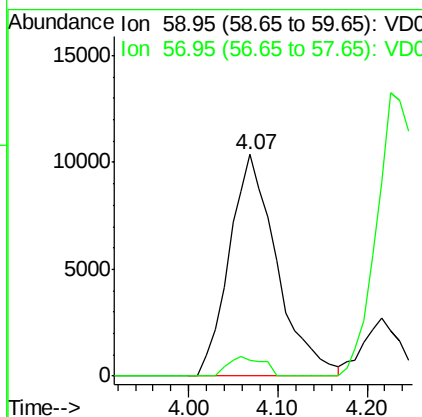
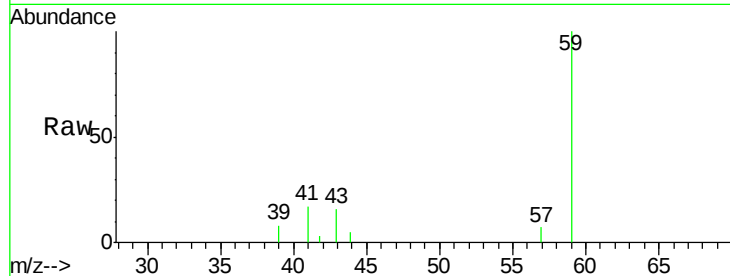


#11

Tert butyl alcohol
 Concen: 116.793 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.03 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Instrument :
 MSVOA_D
 ClientSampled :

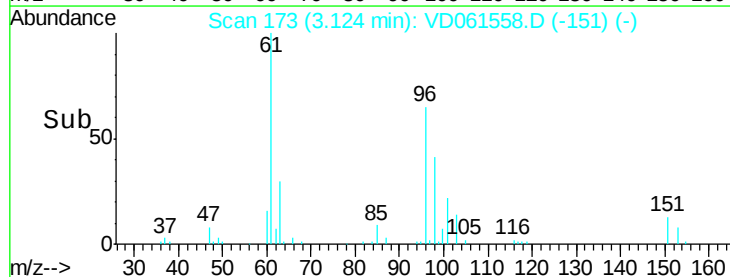
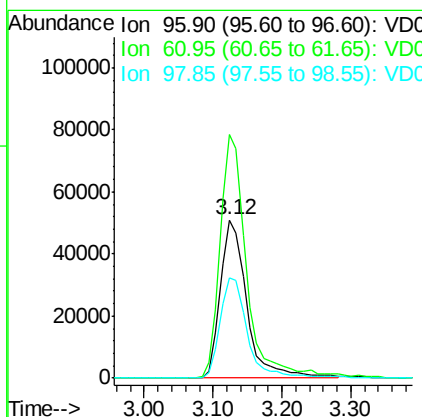
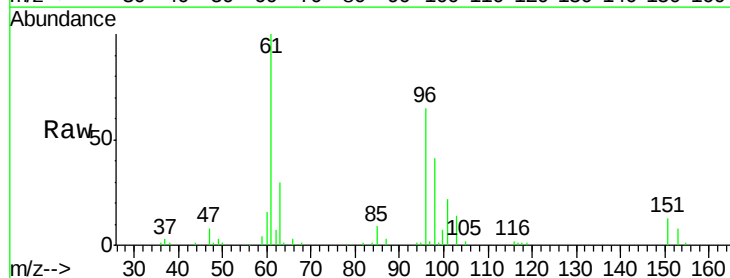
Tot Ion: 59 Resp: 38437
 Ion Ratio Lower Upper
 59 100
 57 7.2 6.7 10.1

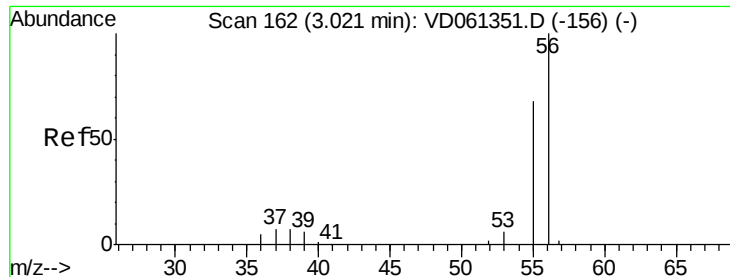


#12

1,1-Dichloroethene
 Concen: 20.622 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion: 96 Resp: 136930
 Ion Ratio Lower Upper
 96 100
 61 154.0 124.9 187.3
 98 63.7 52.5 78.7





#13

Acrolein

Concen: 73.815 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

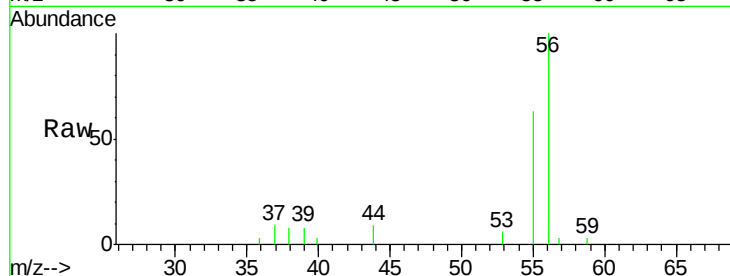
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 22558

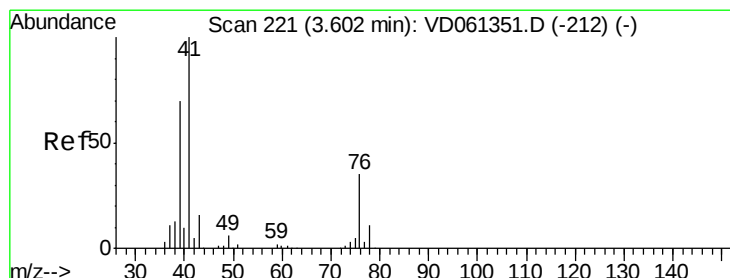
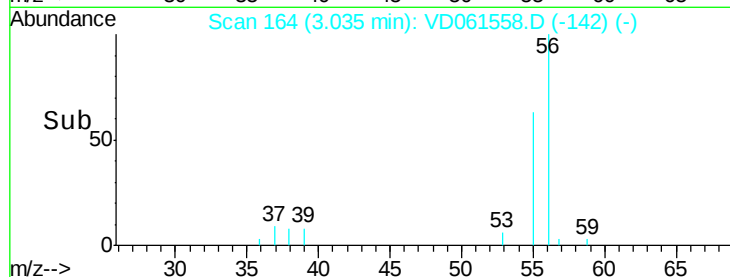
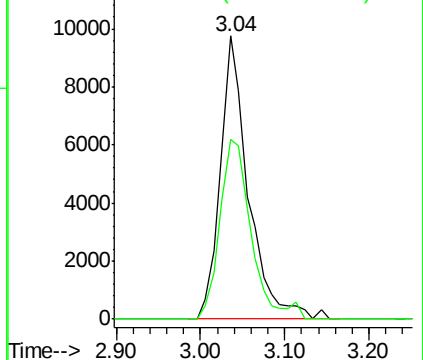
Ion Ratio Lower Upper

56 100

55 63.3 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: 21.418 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

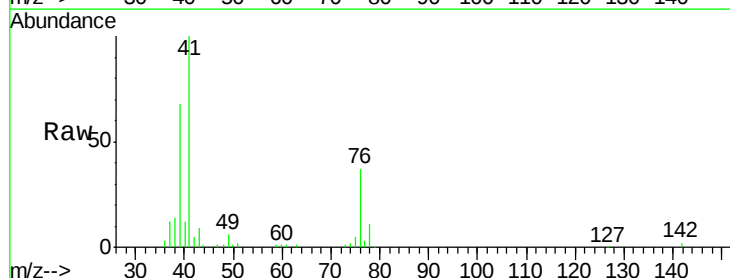
Tgt Ion: 41 Resp: 198356

Ion Ratio Lower Upper

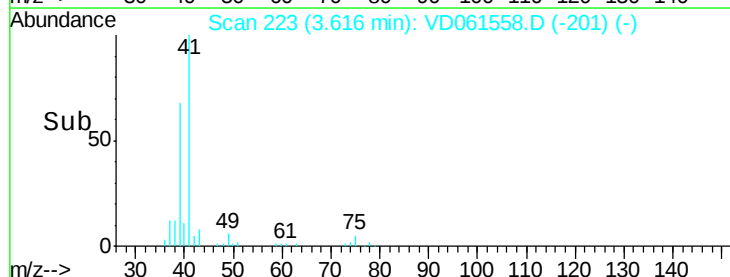
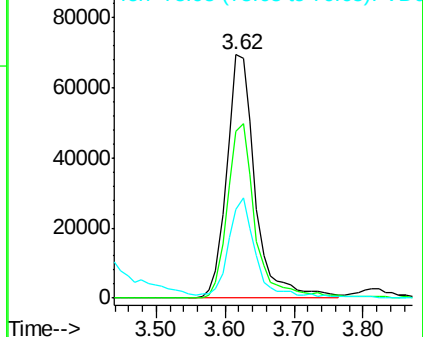
41 100

39 68.4 55.6 83.4

76 36.6 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: 113.461 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

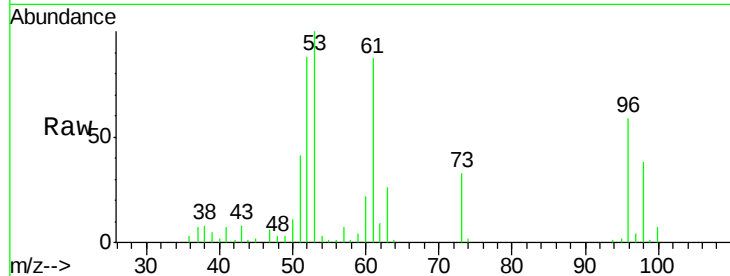
Tot Ion: 53 Resp: 129601

Ion Ratio Lower Upper

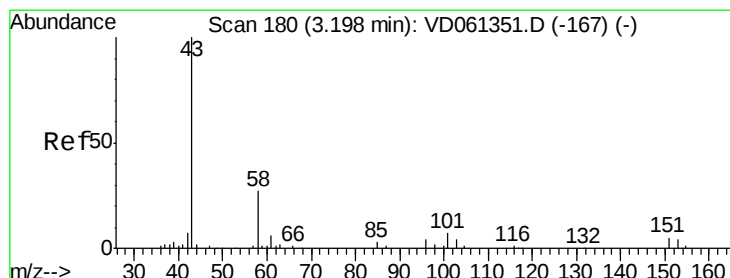
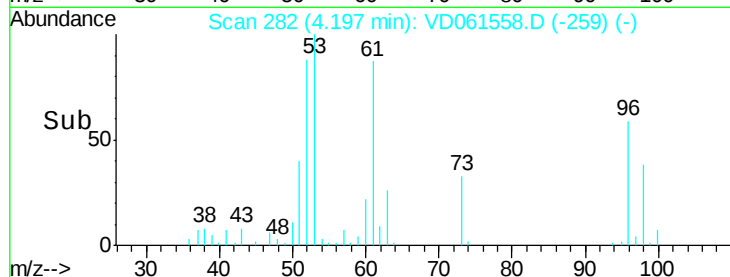
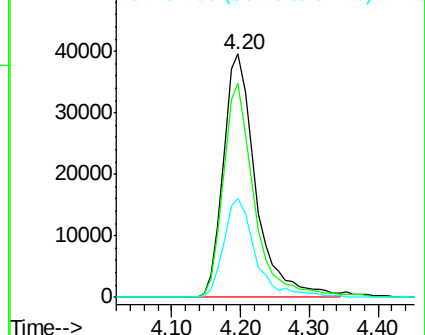
53 100

52 87.8 64.8 97.2

51 40.9 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: 108.094 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061558.D

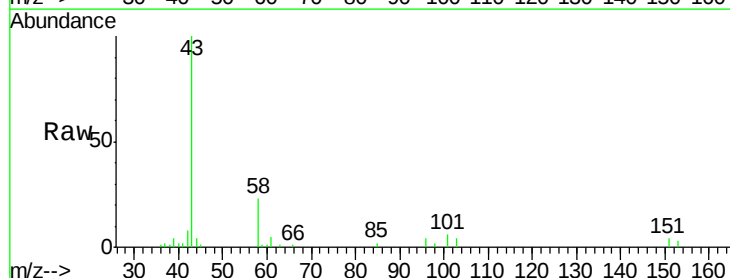
Acq: 3 Apr 2019 16:25

Tgt Ion: 43 Resp: 146843

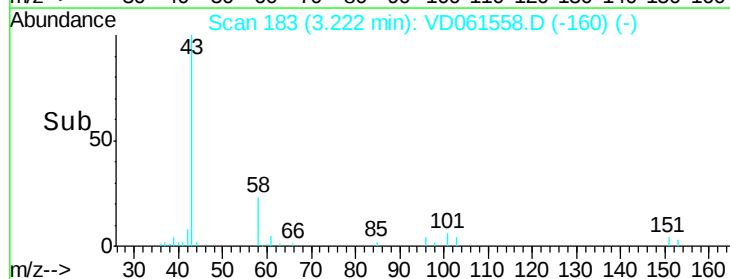
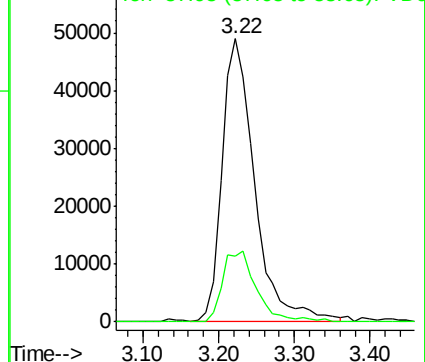
Ion Ratio Lower Upper

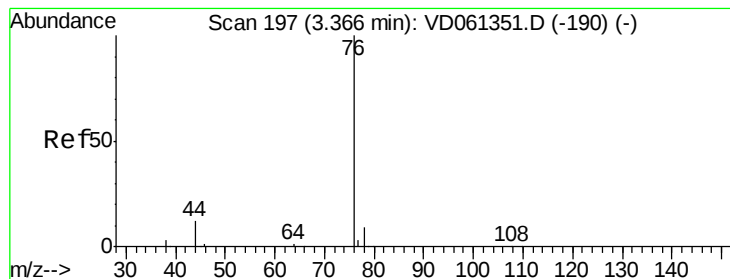
43 100

58 23.5 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: 19.706 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

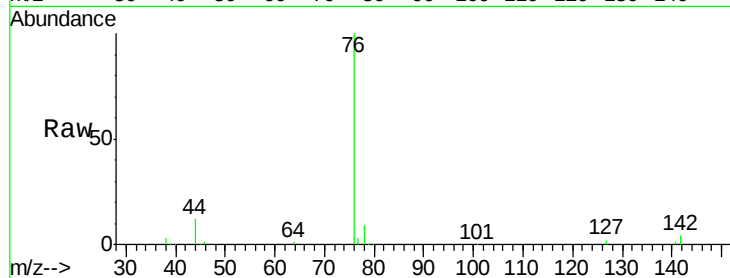
ClientSampleId :

Tot Ion: 76 Resp: 425135

Ion Ratio Lower Upper

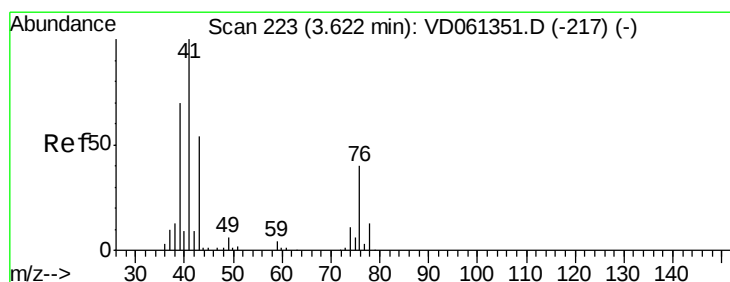
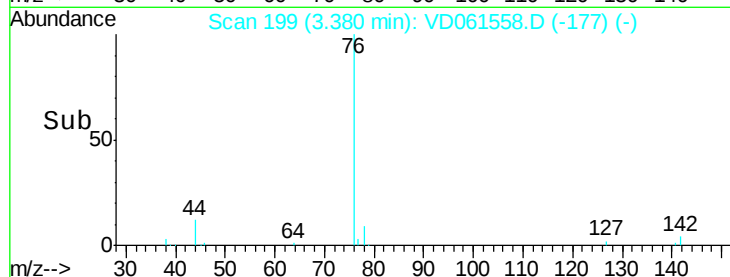
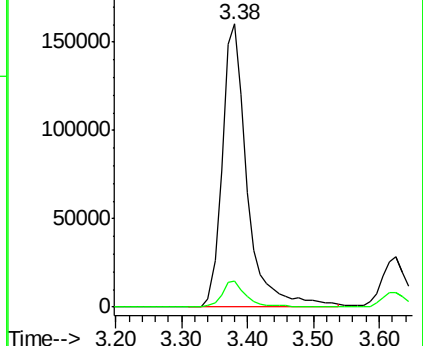
76 100

78 9.3 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: 23.600 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061558.D

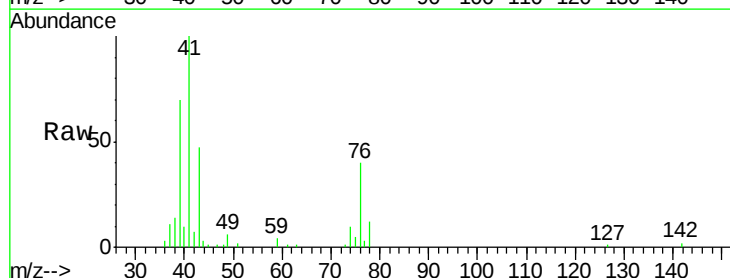
Acq: 3 Apr 2019 16:25

Tgt Ion: 43 Resp: 67407

Ion Ratio Lower Upper

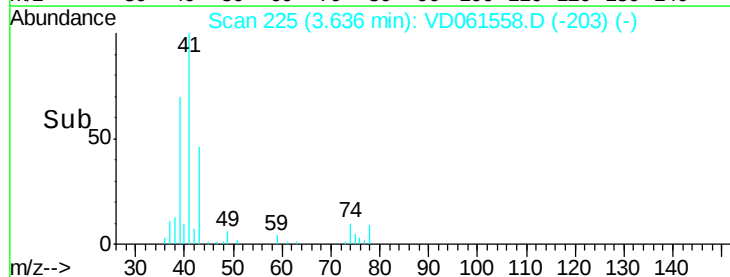
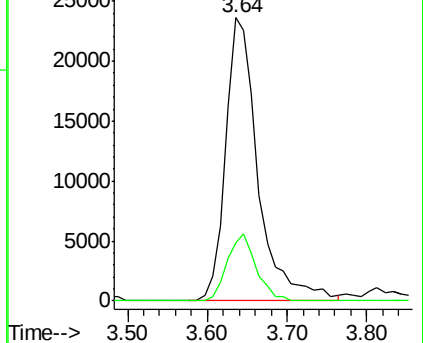
43 100

74 20.6 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

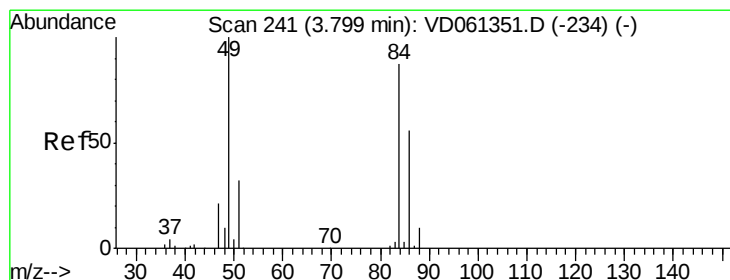
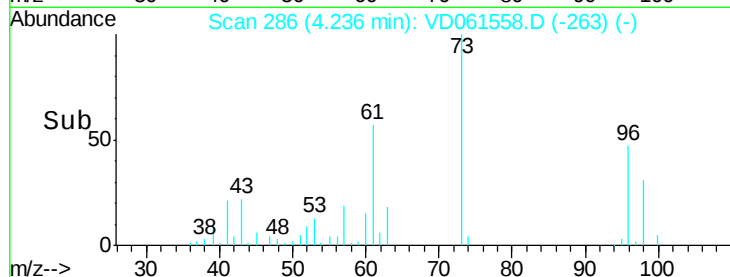
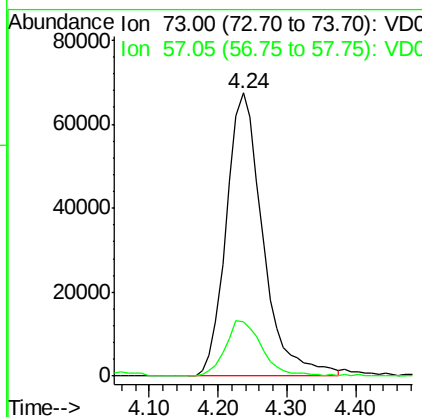
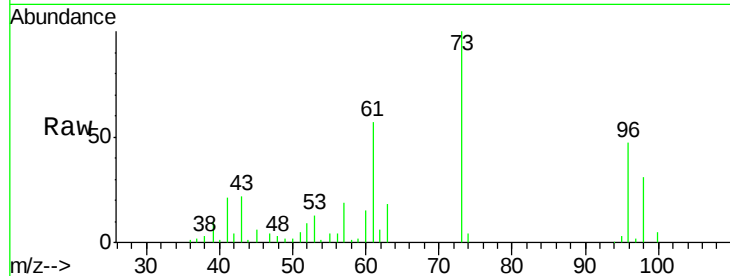




#19
Methvl tert-butvl Ether
Concen: 21.636 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

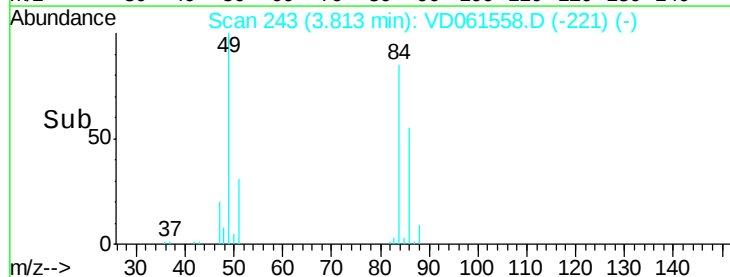
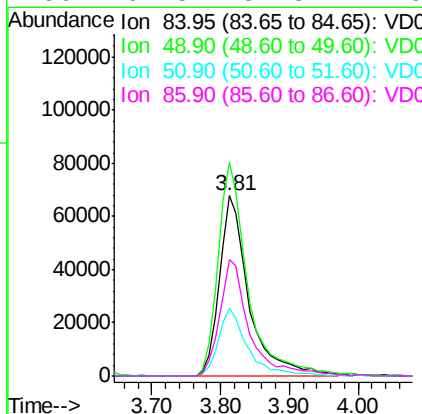
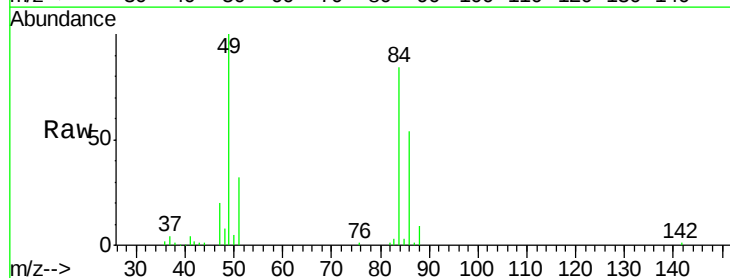
Instrument :
MSVOA_D
ClientSampleId :

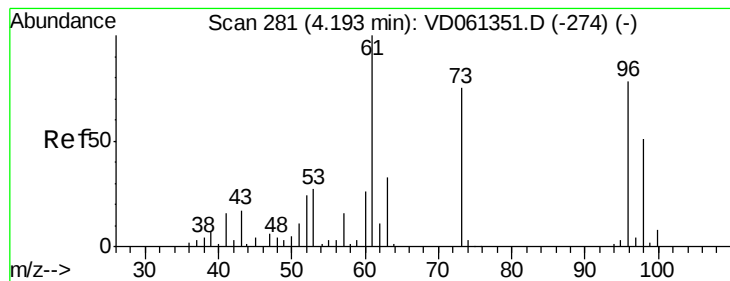
Tot Ion: 73 Resp: 248689
Ion Ratio Lower Upper
73 100
57 19.2 16.4 24.6



#20
Methylene Chloride
Concen: 25.490 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion: 84 Resp: 201142
Ion Ratio Lower Upper
84 100
49 118.7 91.8 137.8
51 37.4 29.8 44.8
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.305 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :

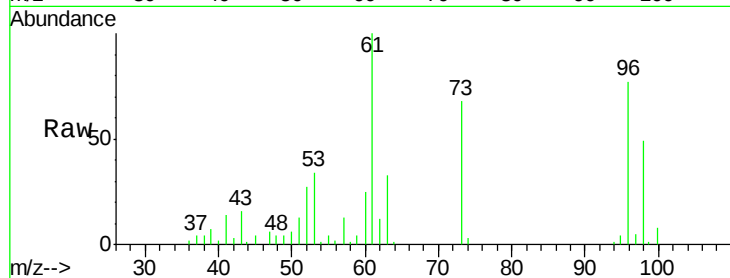
Tot Ion: 96 Resp: 152731

Ion Ratio Lower Upper

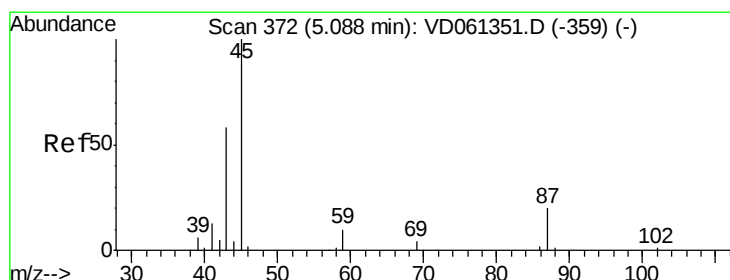
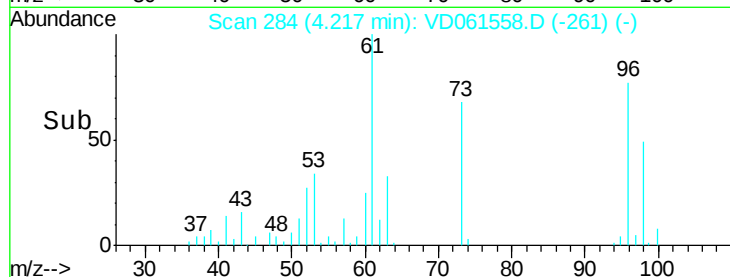
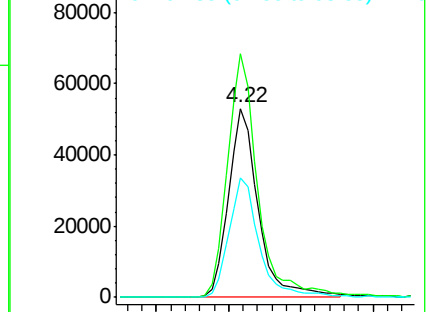
96 100

61 129.1 102.7 154.1

98 63.6 52.2 78.4



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



#22

Diisopropyl ether

Concen: 22.088 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Tgt Ion: 45 Resp: 432881

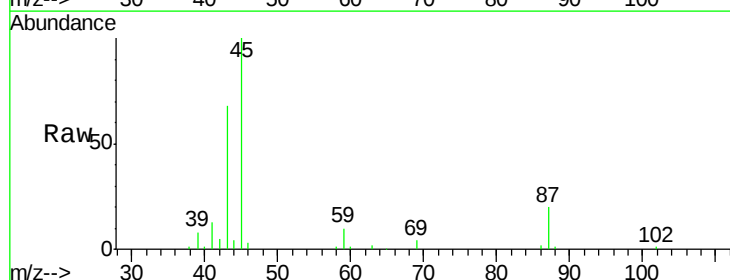
Ion Ratio Lower Upper

45 100

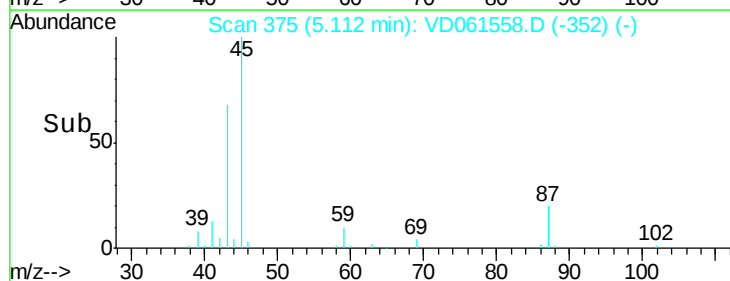
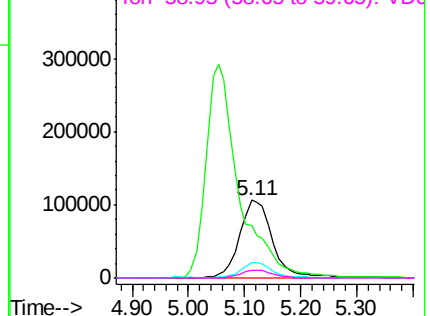
43 68.0 47.4 71.2

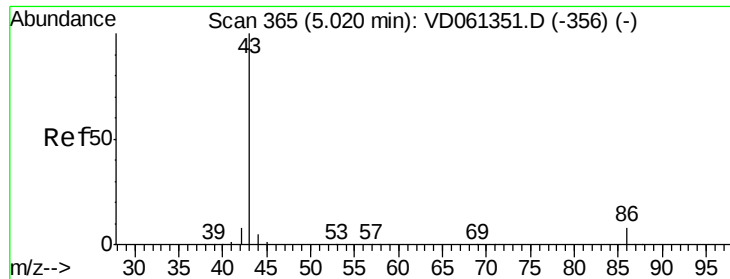
87 19.9 16.3 24.5

59 10.1 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 111.279 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

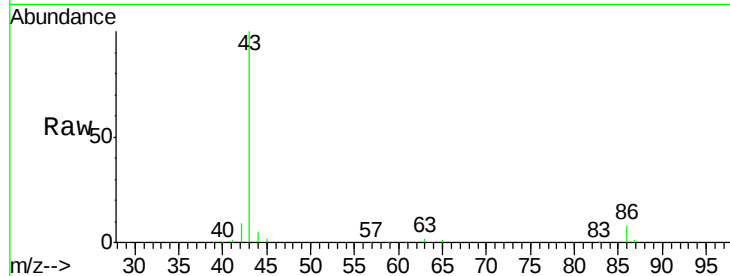
ClientSampleId :

Tot Ion: 43 Resp: 1184653

Ion Ratio Lower Upper

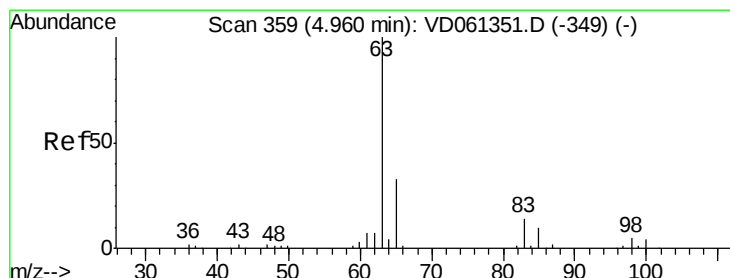
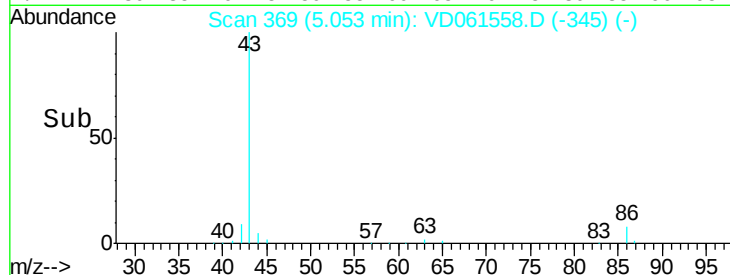
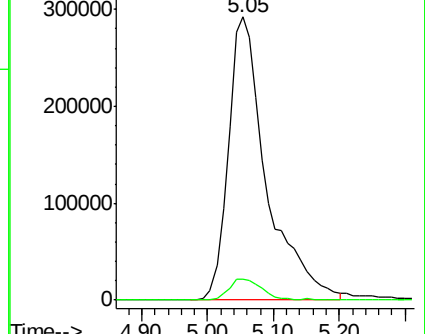
43 100

86 7.6 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: 21.577 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

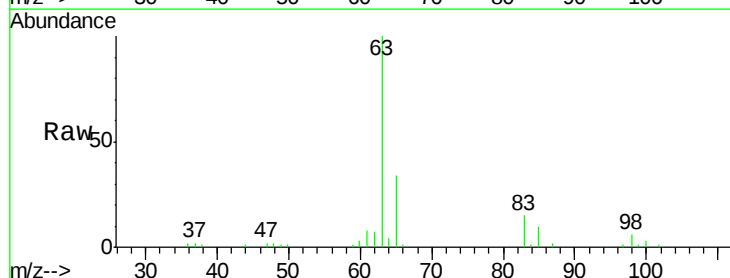
Tgt Ion: 63 Resp: 248520

Ion Ratio Lower Upper

63 100

98 5.5 2.6 8.0

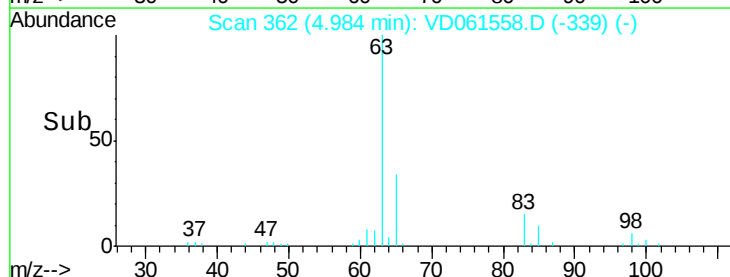
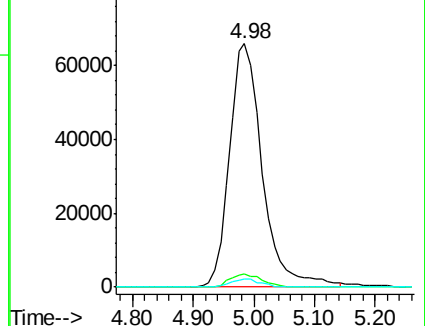
100 3.4 1.8 5.3



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: 102.693 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

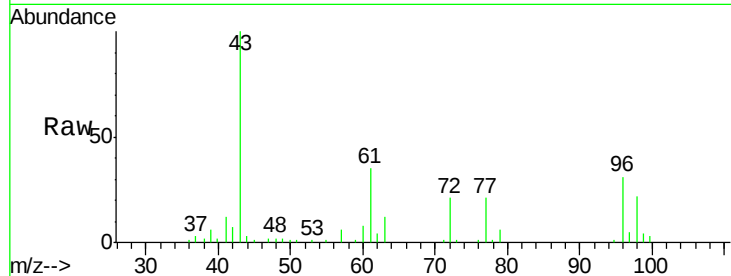
ClientSampleId :

Tot Ion: 43 Resp: 175486

Ion Ratio Lower Upper

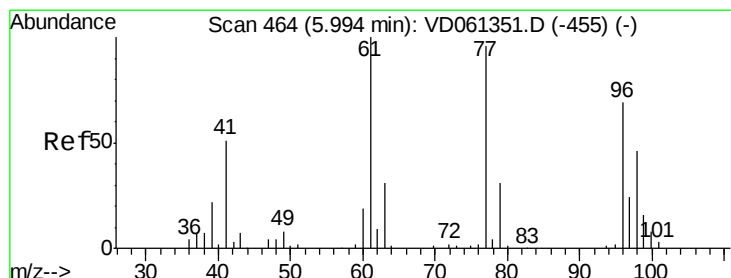
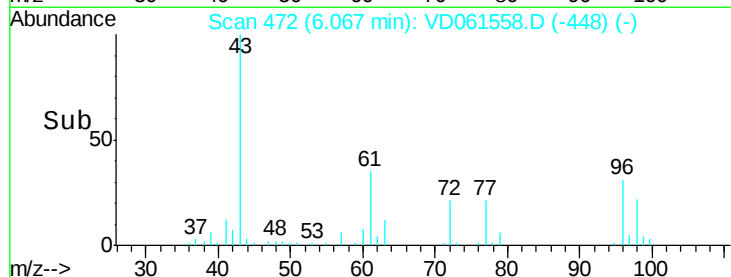
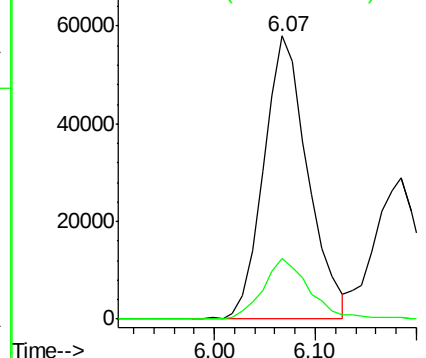
43 100

72 21.3 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: 22.380 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD061558.D

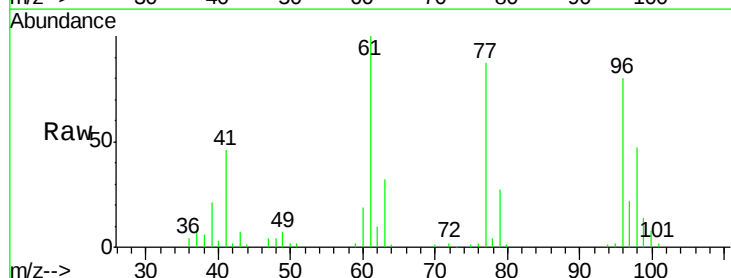
Acq: 3 Apr 2019 16:25

Tgt Ion: 77 Resp: 204915

Ion Ratio Lower Upper

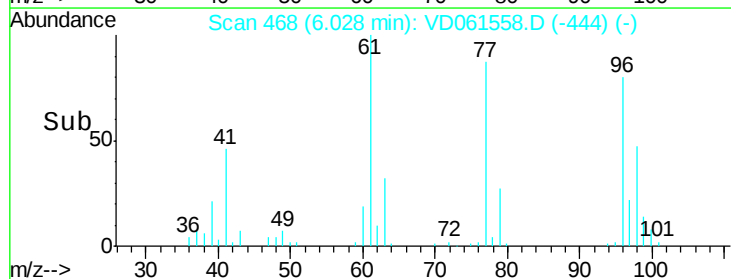
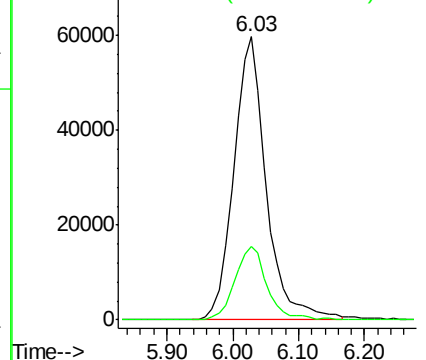
77 100

97 25.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



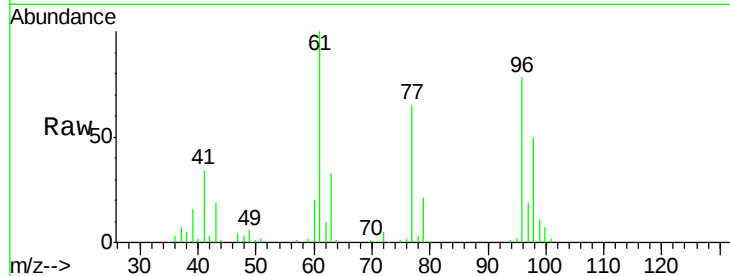


#27

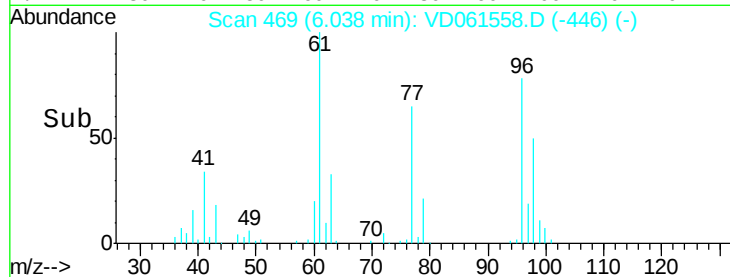
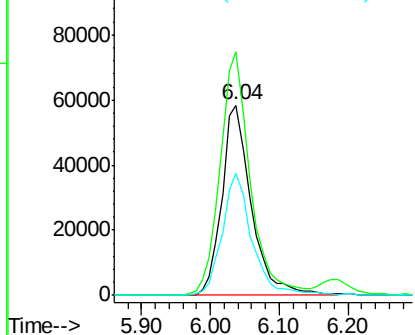
cis-1,2-Dichloroethene
Concen: 22.057 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 173246
Ion Ratio Lower Upper
96 100
61 128.0 0.0 251.6
98 64.3 0.0 129.2



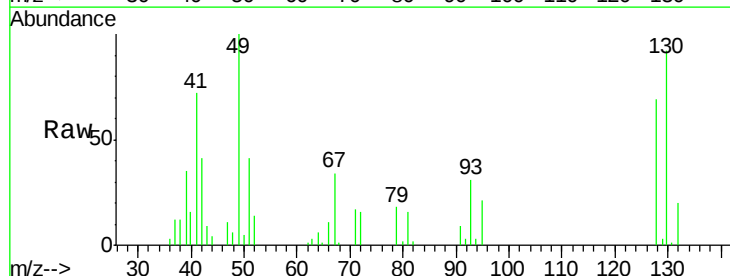
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



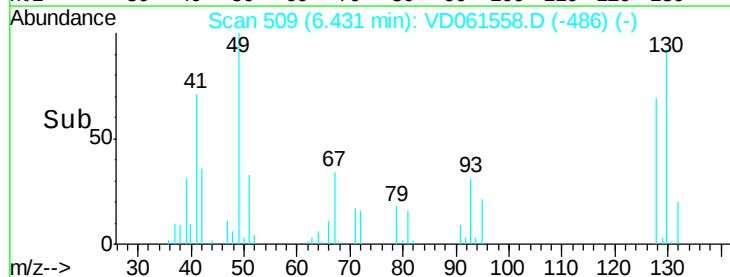
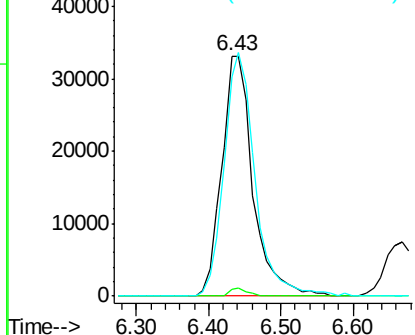
#28

Bromochloromethane
Concen: 21.342 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion: 49 Resp: 99225
Ion Ratio Lower Upper
49 100
129 2.6 0.0 0.0#
130 91.5 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

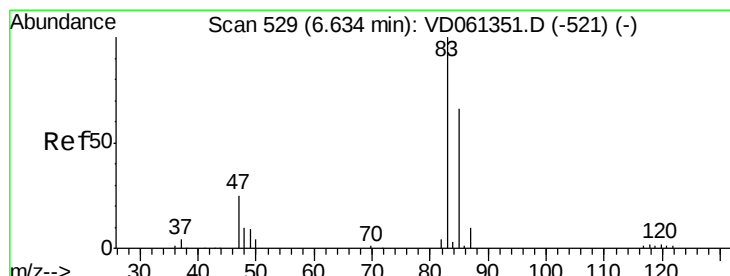
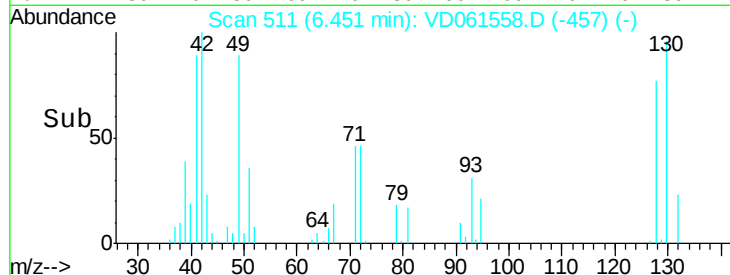
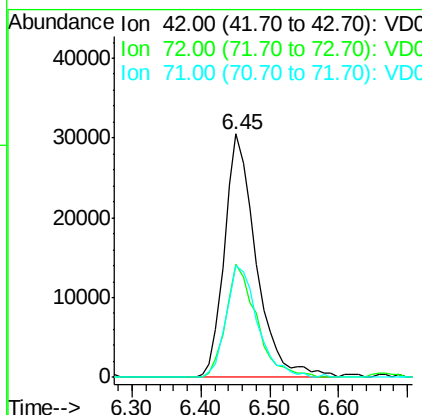
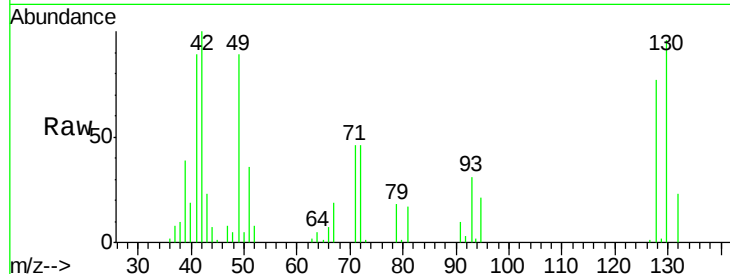




#29
Tetrahydrofuran
Concen: 117.291 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

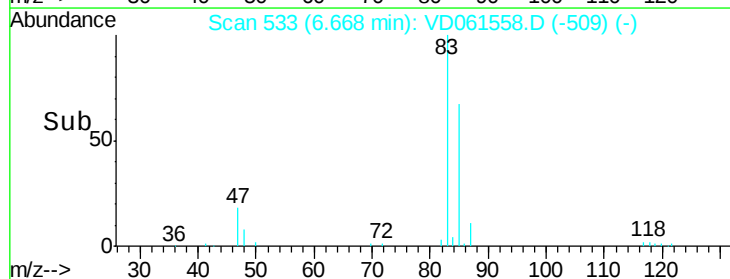
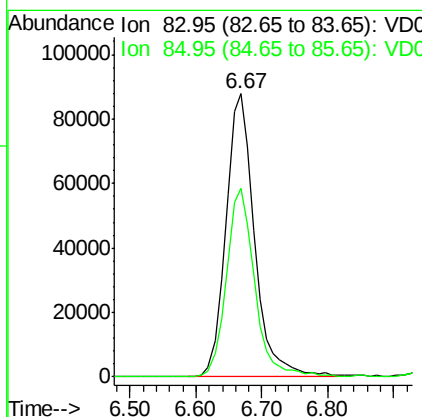
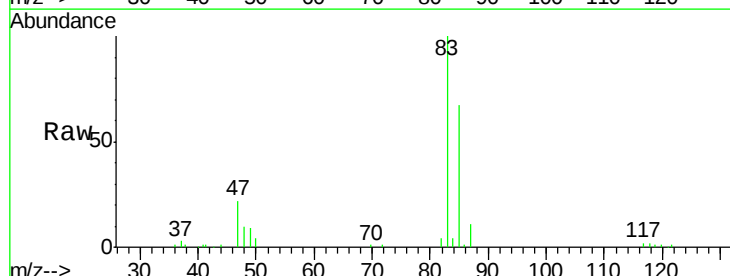
Instrument :
MSVOA_D
ClientSampleId :

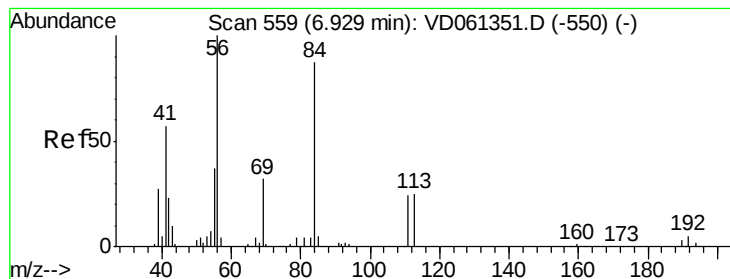
Tot Ion: 42 Resp: 97148
Ion Ratio Lower Upper
42 100
72 44.8 37.4 56.0
71 45.6 36.7 55.1



#30
Chloroform
Concen: 22.450 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion: 83 Resp: 267175
Ion Ratio Lower Upper
83 100
85 66.7 53.0 79.4





#31

Cyclohexane

Concen: 20.498 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

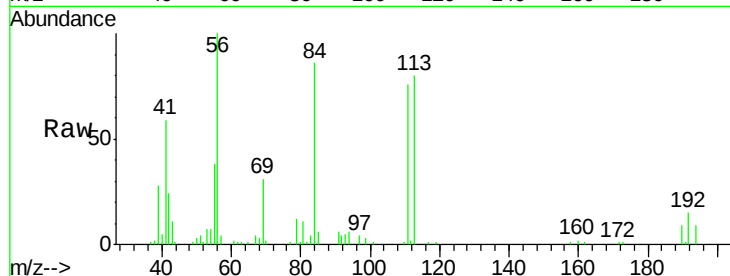
Tot Ion: 56 Resp: 186564

Ion Ratio Lower Upper

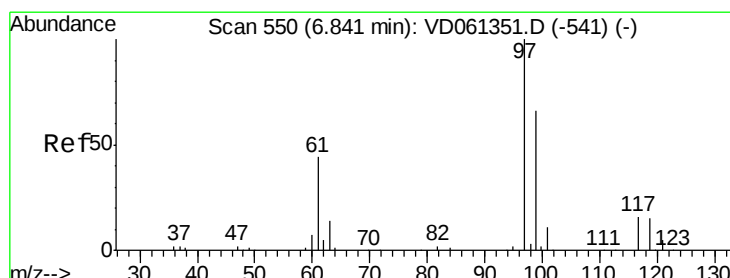
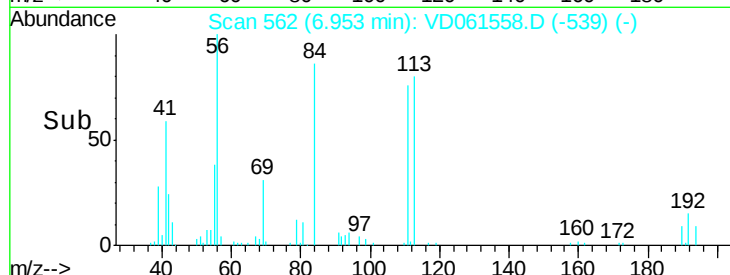
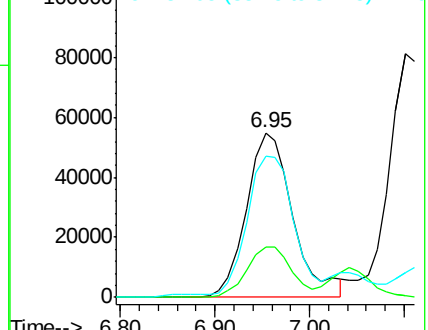
56 100

69 31.0 25.7 38.5

84 85.7 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: 21.374 ug/l

RT: 6.86 min Scan# 553

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

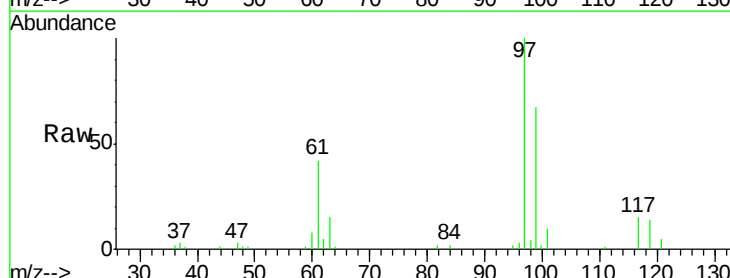
Tgt Ion: 97 Resp: 224408

Ion Ratio Lower Upper

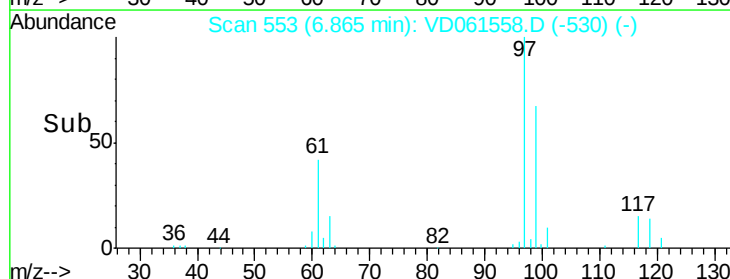
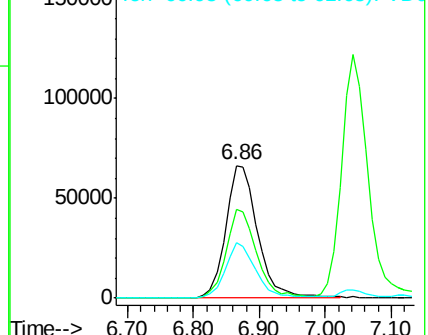
97 100

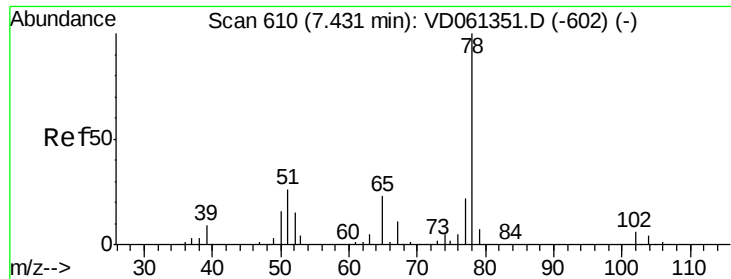
99 66.6 53.1 79.7

61 42.0 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: 21.374 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

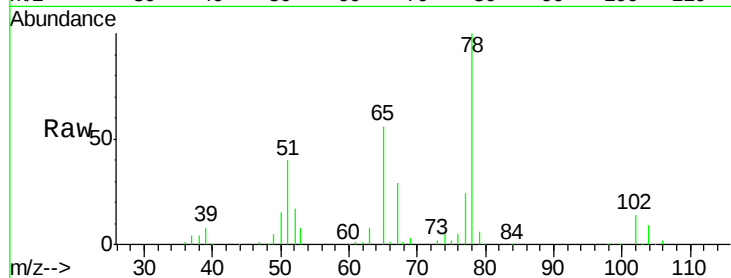
ClientSampleId :

Tot Ion: 65 Resp: 268165

Ion Ratio Lower Upper

65 100

67 51.5 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

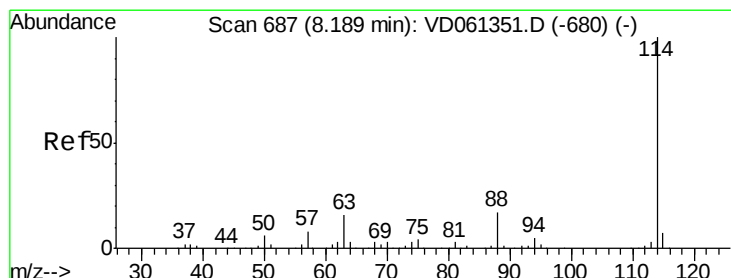
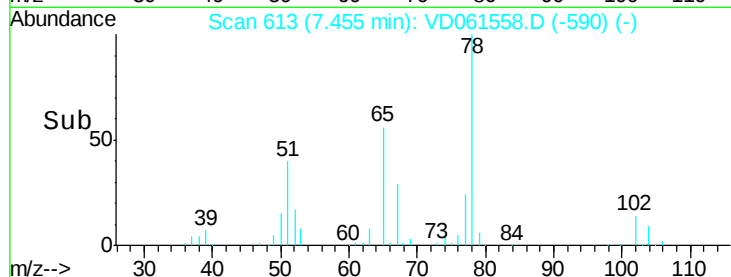
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

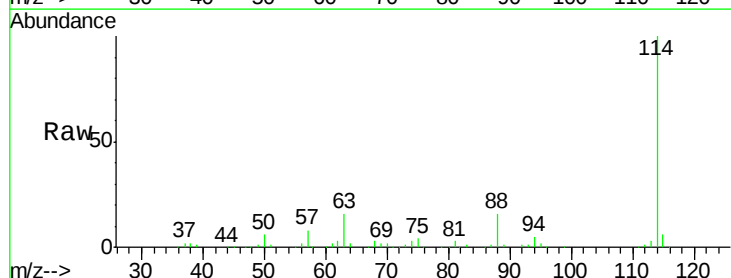
Tgt Ion: 114 Resp: 1010774

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.6

88 16.5 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

8.22

500000

400000

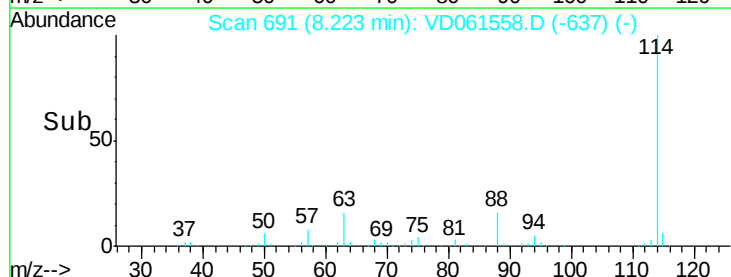
300000

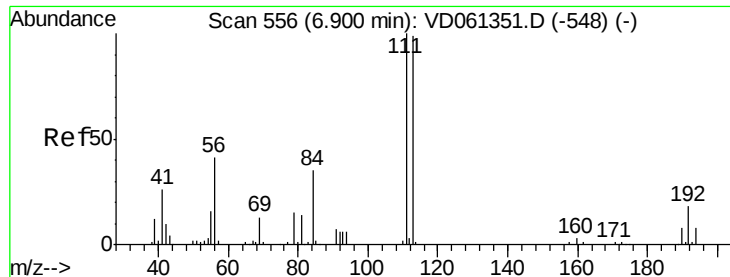
200000

100000

0

Time-->

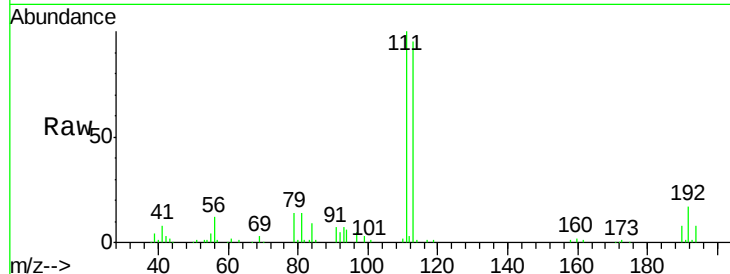




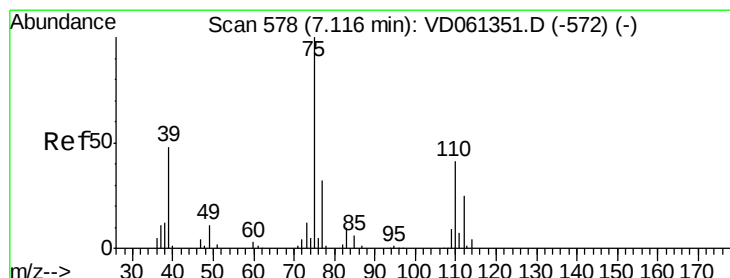
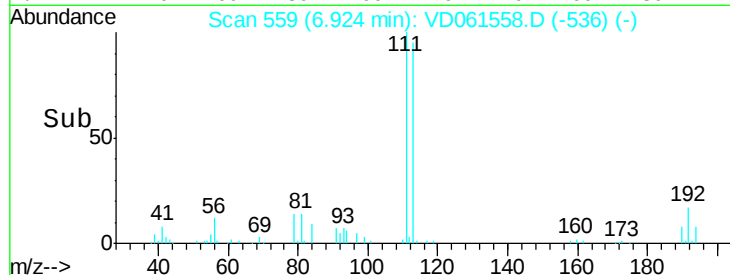
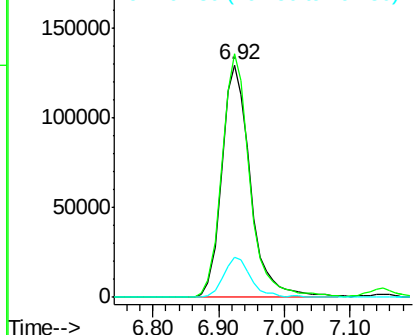
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 393632
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.0 121.6
 192 17.5 14.4 21.6

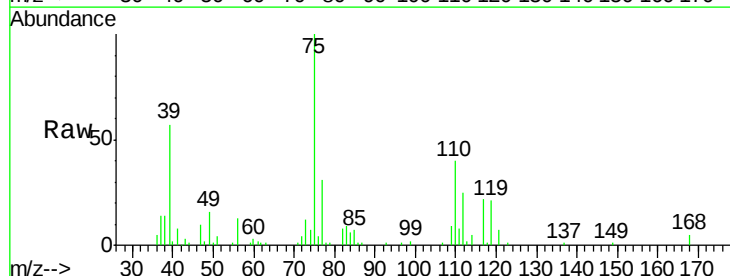


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

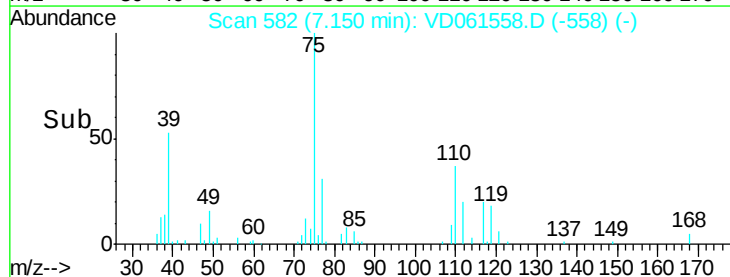
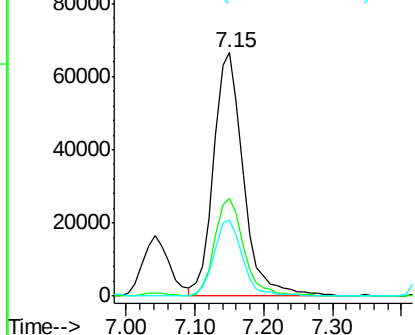


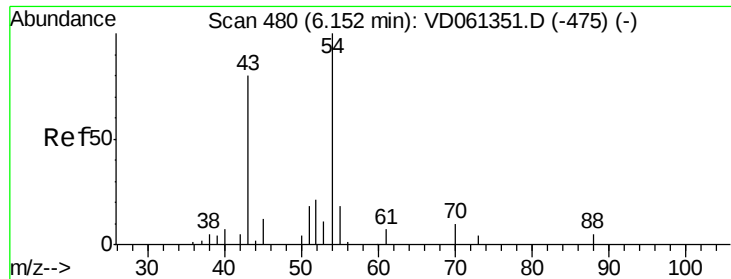
#36
 1,1-Dichloropropene
 Concen: 22.603 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.03 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion: 75 Resp: 199400
 Ion Ratio Lower Upper
 75 100
 110 39.9 20.4 61.3
 77 31.2 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

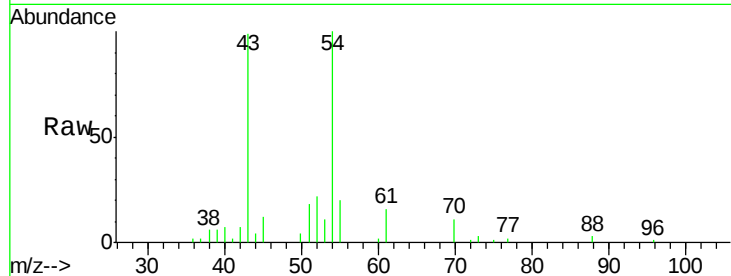




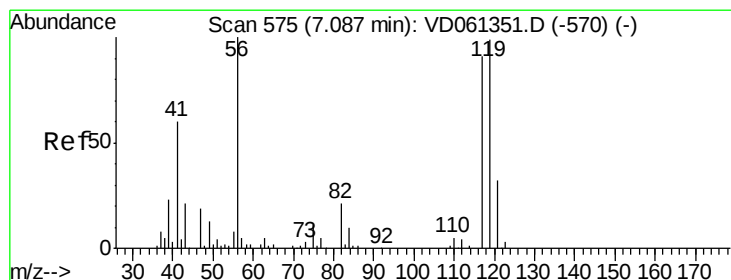
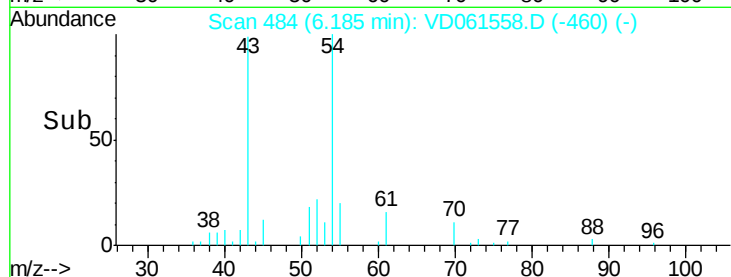
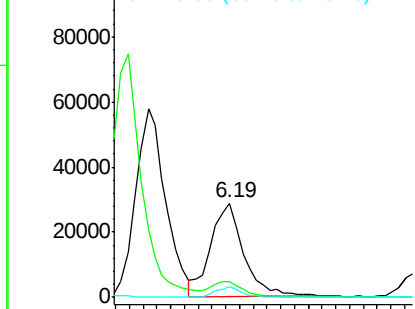
#37
Ethyl Acetate
Concen: 25.369 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 95712
Ion Ratio Lower Upper
43 100
61 16.5 13.8 20.8
70 10.7 7.8 11.8

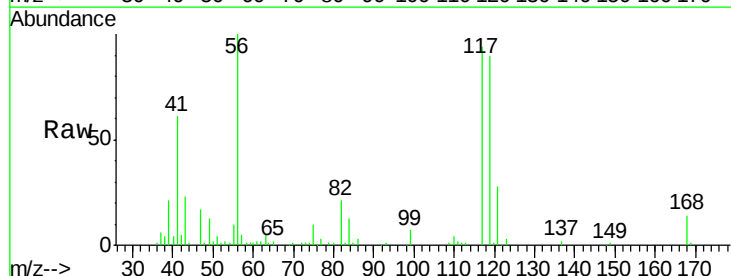


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

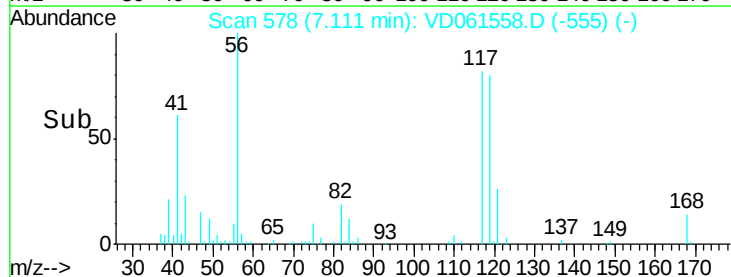
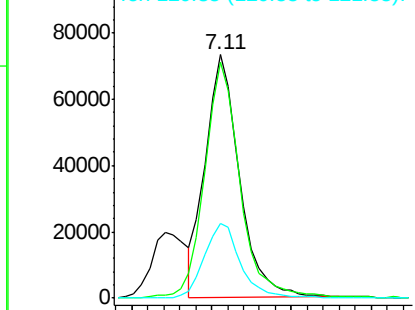


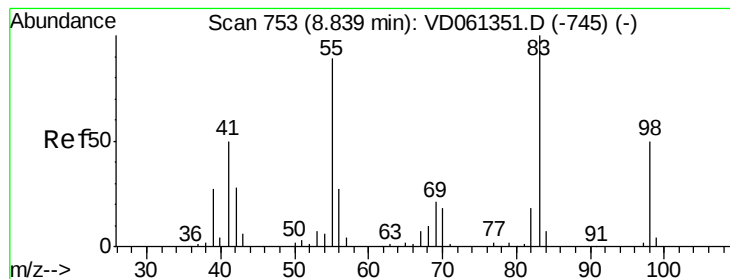
#38
Carbon Tetrachloride
Concen: 21.667 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion: 117 Resp: 219639
Ion Ratio Lower Upper
117 100
119 96.6 80.1 120.1
121 30.4 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: 21.001 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.03 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampled :

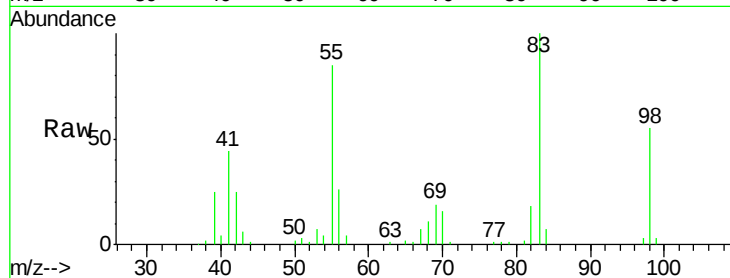
Tot Ion: 83 Resp: 192953

Ion Ratio Lower Upper

83 100

55 85.0 71.5 107.3

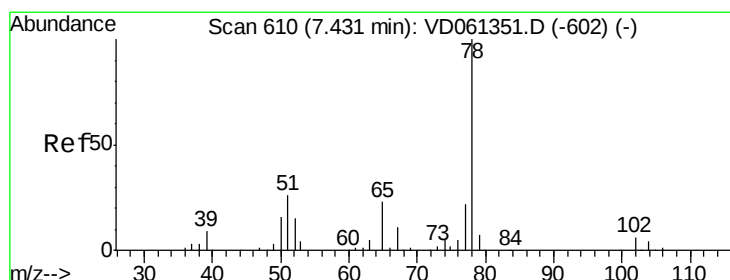
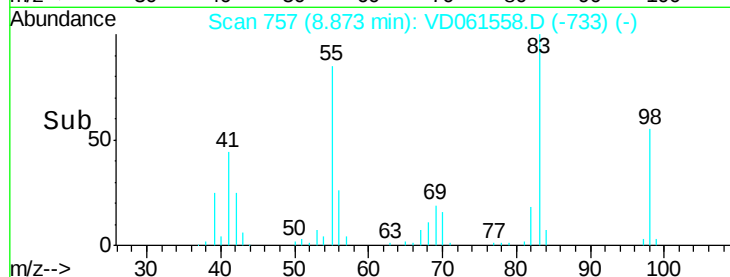
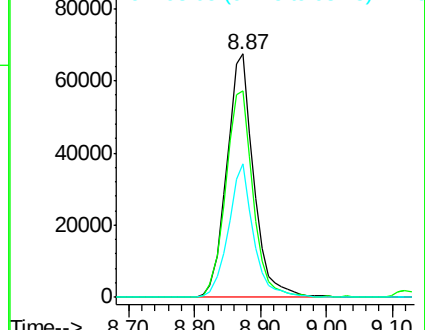
98 54.6 40.3 60.5



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: 22.898 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061558.D

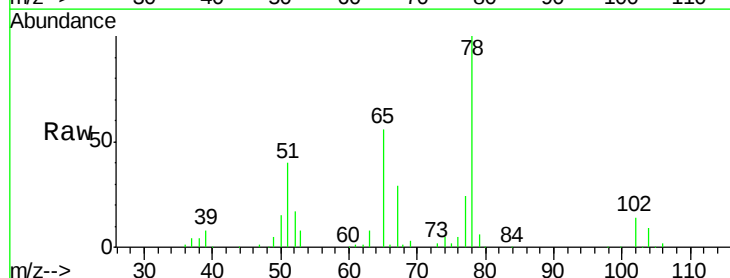
Acq: 3 Apr 2019 16:25

Tgt Ion: 78 Resp: 506971

Ion Ratio Lower Upper

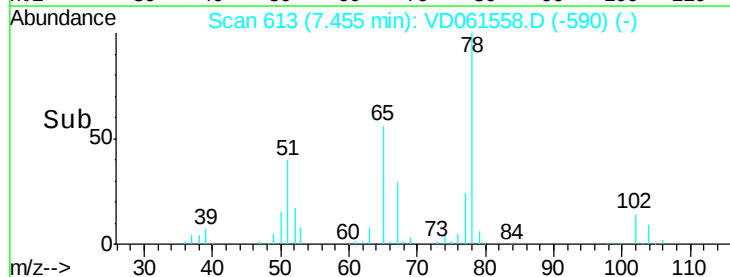
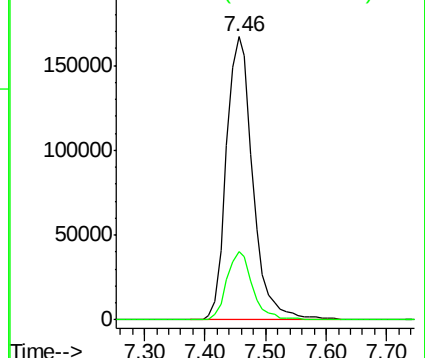
78 100

77 24.4 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

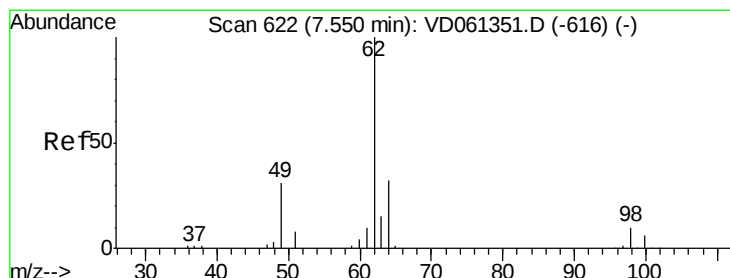
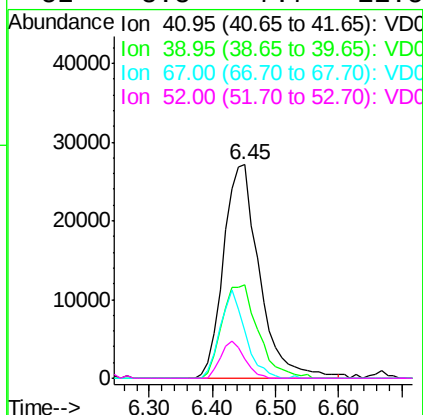
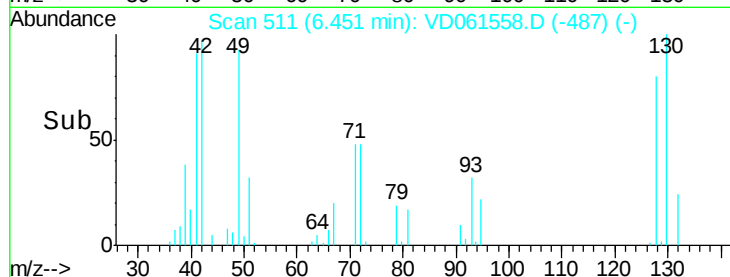
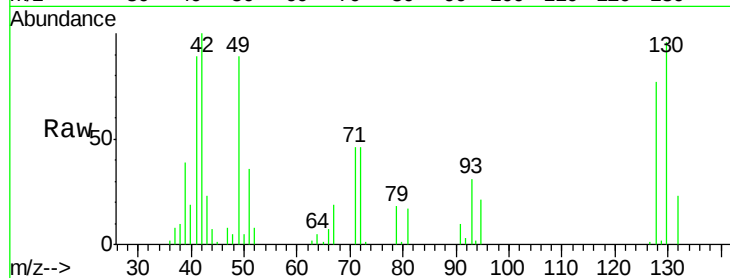




#41
Methacrylonitrile
Concen: 24.287 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

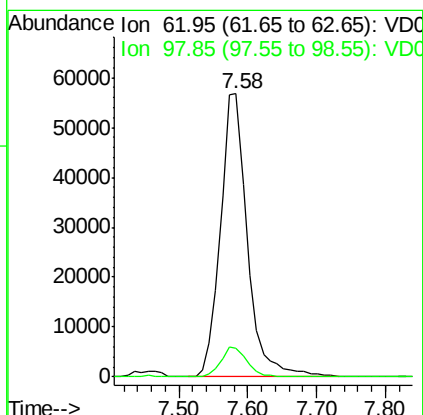
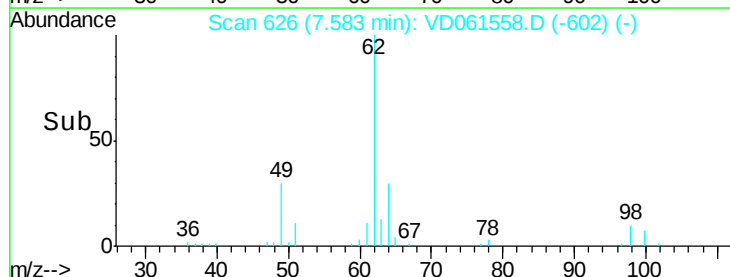
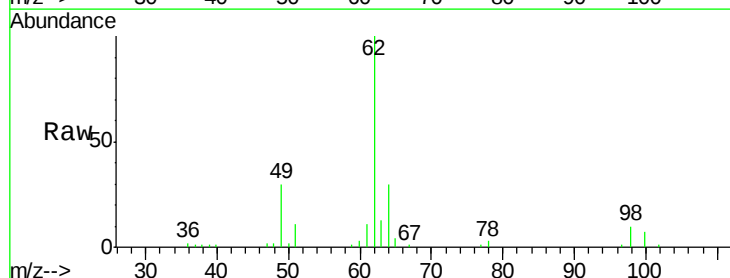
Instrument :
MSVOA_D
ClientSampleId :

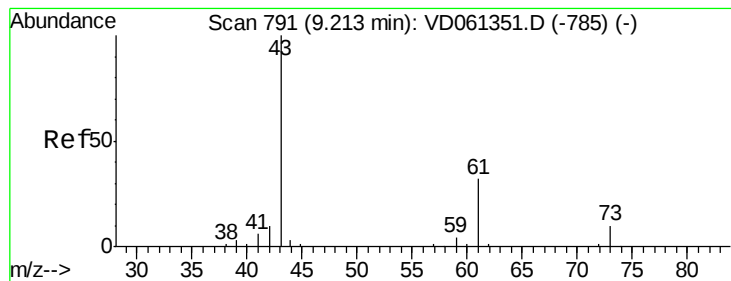
Tot Ion: 41 Resp: 107138
Ion Ratio Lower Upper
41 100
39 43.8 35.0 52.6
67 21.9 21.0 31.6
52 8.8 7.7 11.5



#42
1,2-Dichloroethane
Concen: 23.289 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion: 62 Resp: 154235
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.8



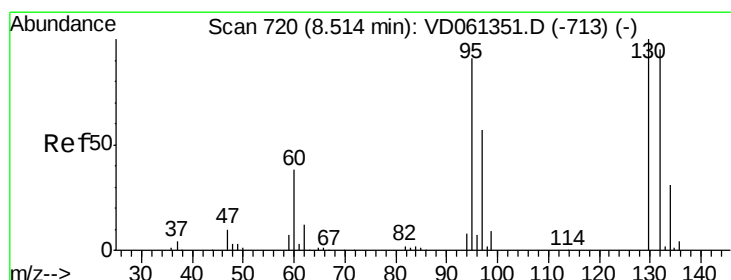
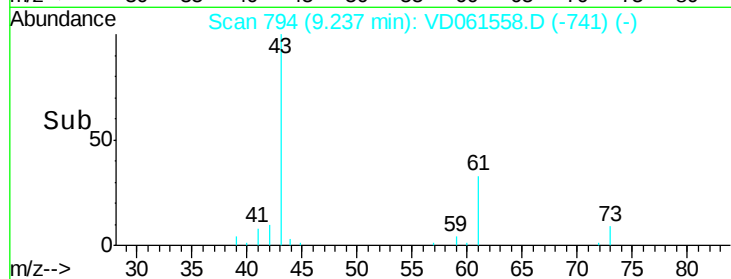
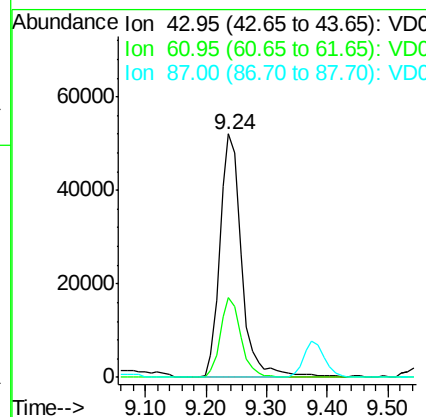
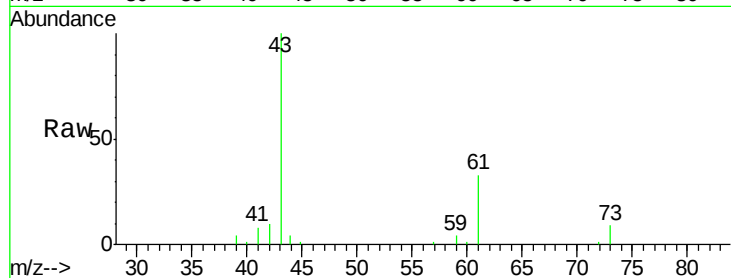


#43

Isopropyl Acetate
 Concen: 23.603 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Instrument :
 MSVOA_D
 ClientSampleId :

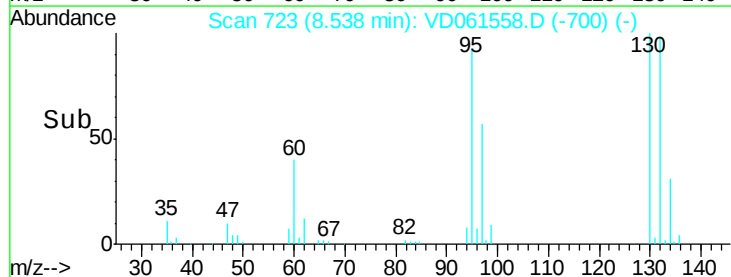
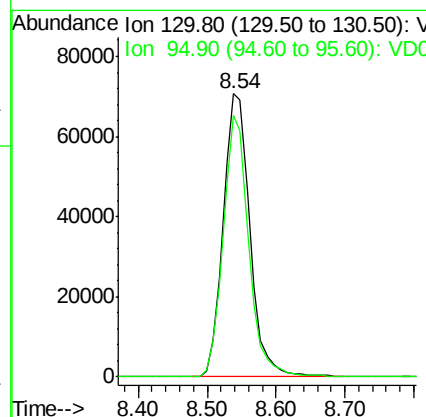
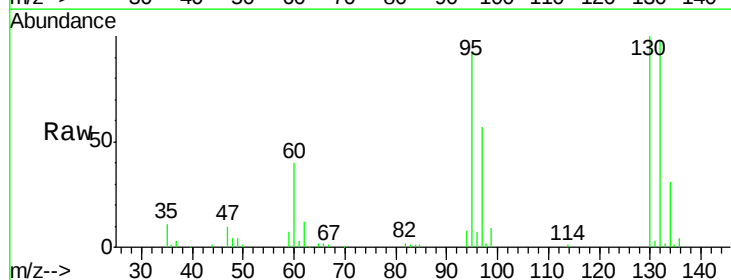
Tot Ion: 43 Resp: 129569
 Ion Ratio Lower Upper
 43 100
 61 32.6 25.8 38.6
 87 0.0 0.0 0.0

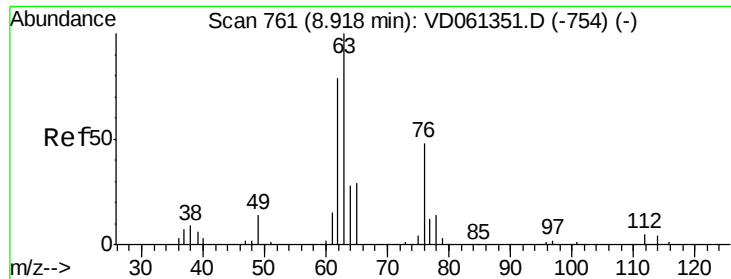


#44

Trichloroethene
 Concen: 22.951 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.02 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion:130 Resp: 189106
 Ion Ratio Lower Upper
 130 100
 95 92.5 0.0 181.4





#45

1,2-Dichloropropane

Concen: 22.843 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

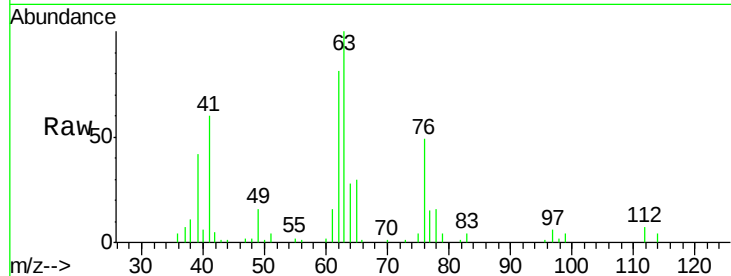
ClientSampled :

Tot Ion: 63 Resp: 128246

Ion Ratio Lower Upper

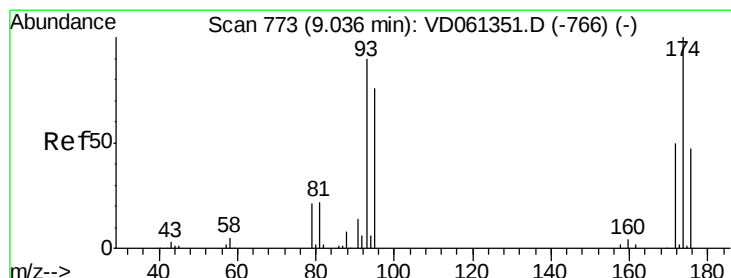
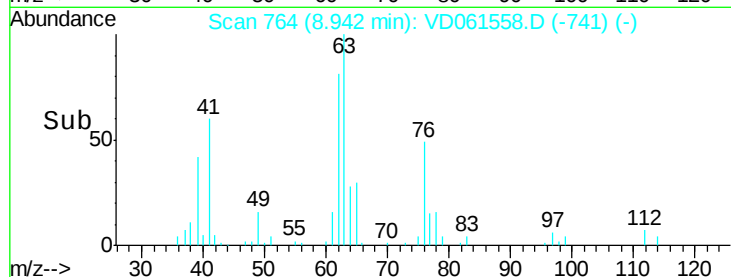
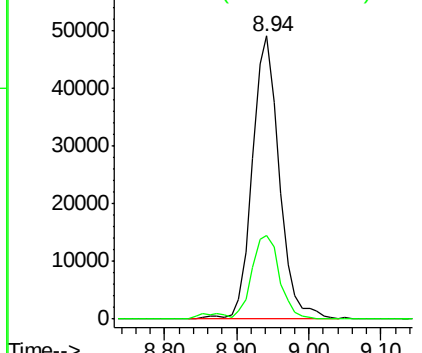
63 100

65 29.8 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: 23.307 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

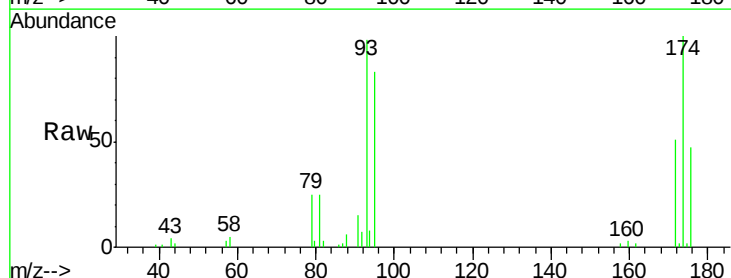
Tgt Ion: 93 Resp: 88071

Ion Ratio Lower Upper

93 100

95 84.4 67.4 101.0

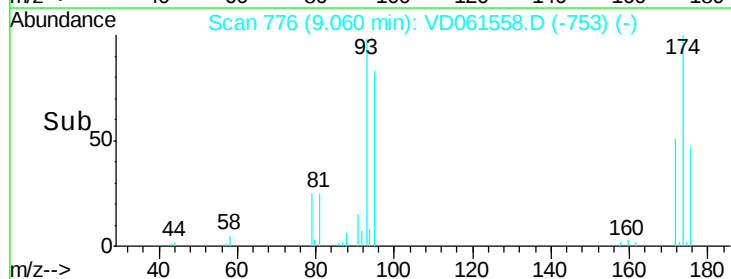
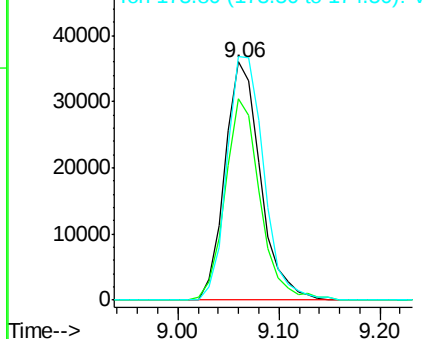
174 102.2 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.978 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampled :

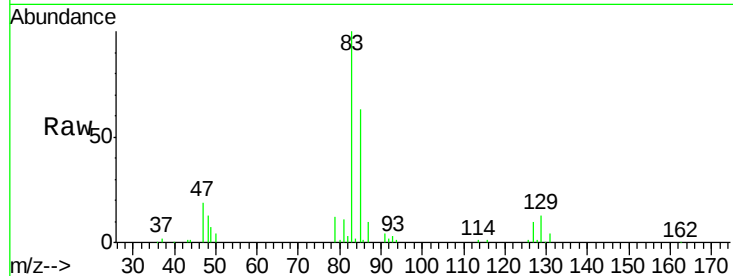
Tot Ion: 83 Resp: 186397

Ion Ratio Lower Upper

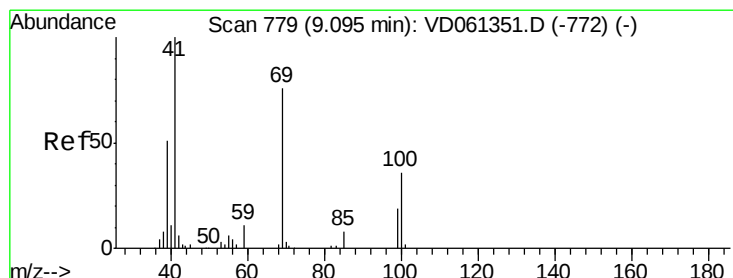
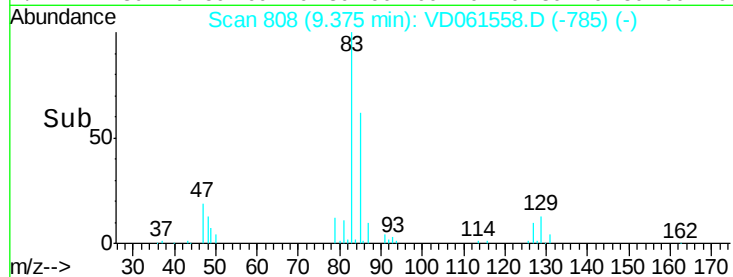
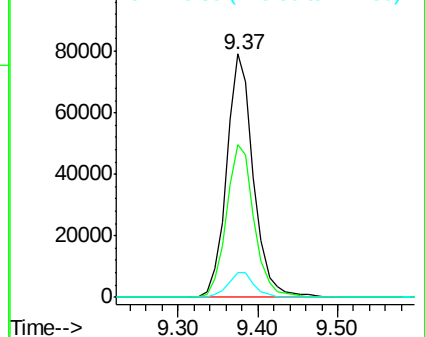
83 100

85 62.7 53.0 79.4

127 10.1 8.4 12.6



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



#48

Methyl methacrylate

Concen: 22.838 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

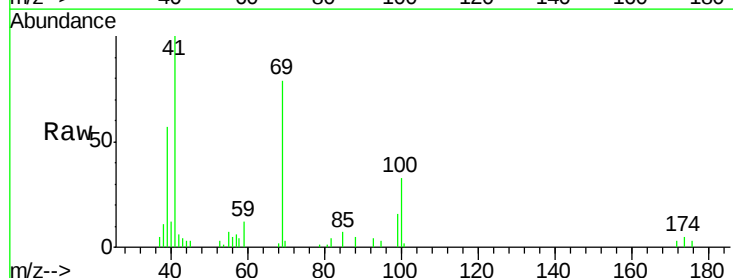
Tgt Ion: 41 Resp: 69189

Ion Ratio Lower Upper

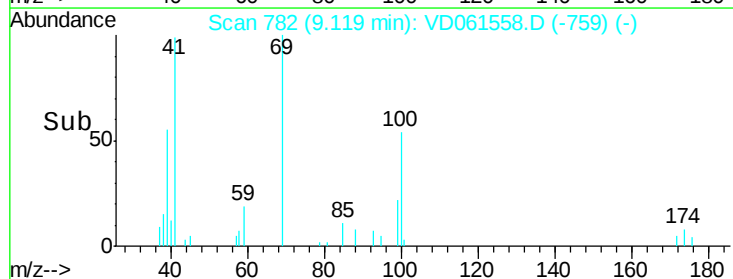
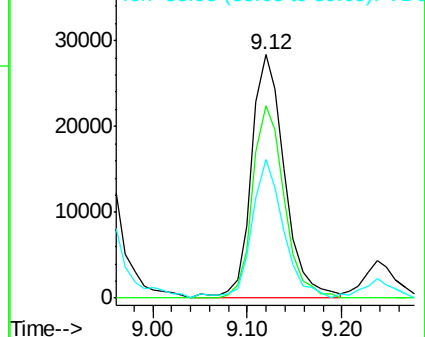
41 100

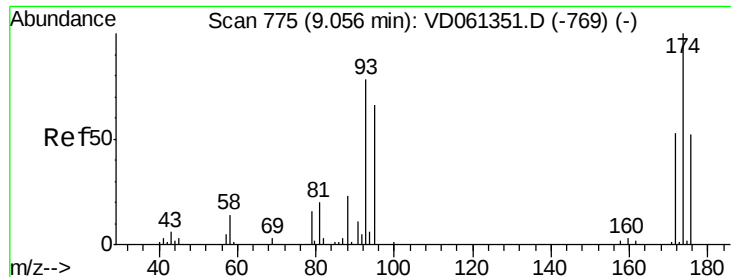
69 79.3 60.2 90.4

39 57.2 41.4 62.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 473.339 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

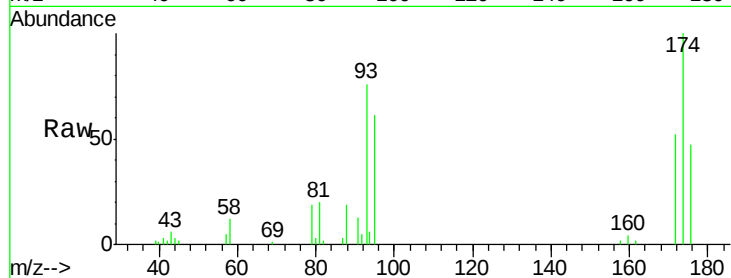
Tot Ion: 88 Resp: 15817

Ion Ratio Lower Upper

88 100

43 30.5 23.3 34.9

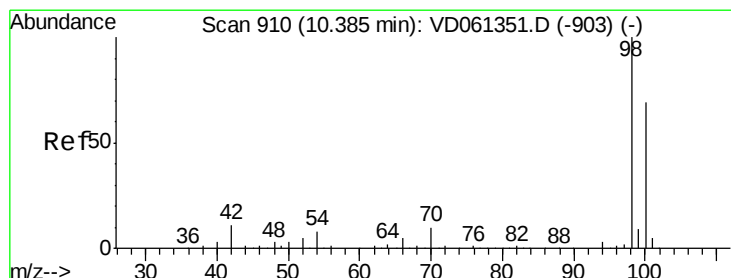
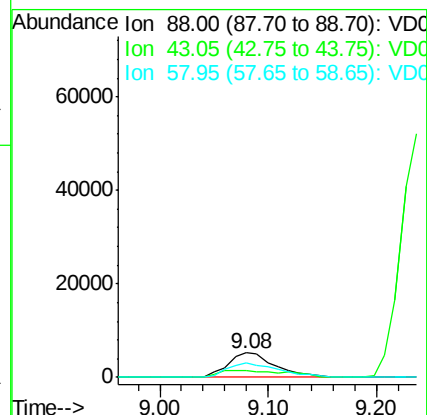
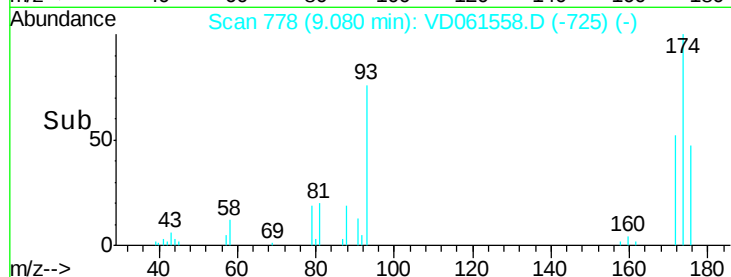
58 61.8 50.8 76.2



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: 473.339 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061558.D

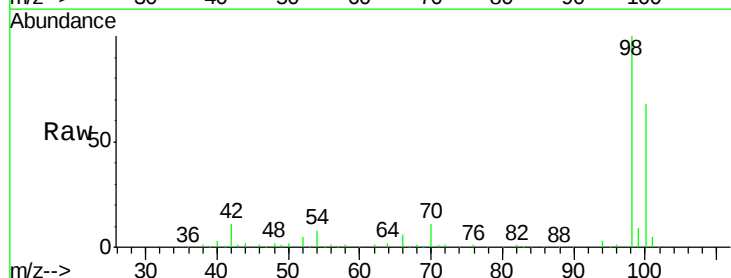
Acq: 3 Apr 2019 16:25

Tgt Ion: 98 Resp: 900646

Ion Ratio Lower Upper

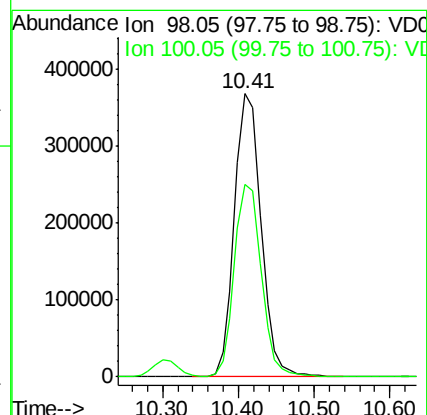
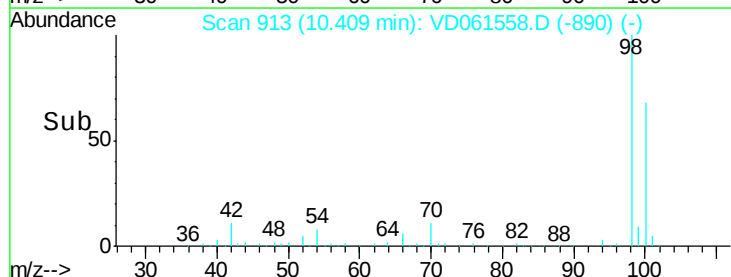
98 100

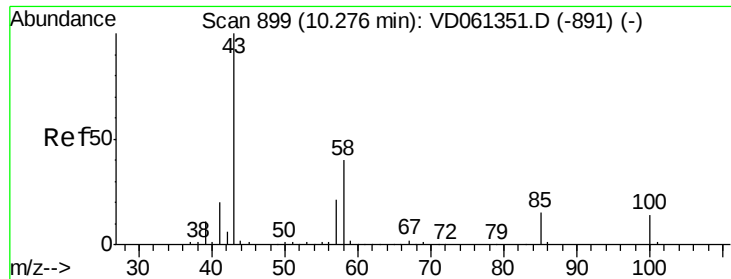
100 68.2 56.2 84.2



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: 122.134 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

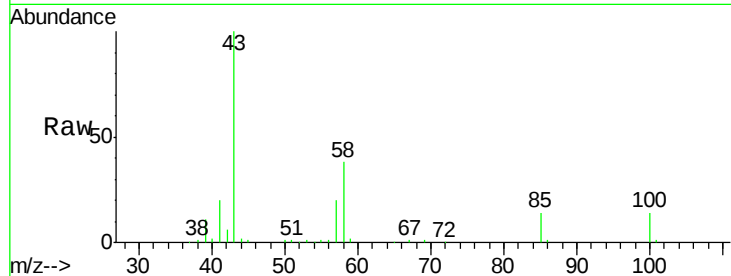
ClientSampleId :

Tot Ion: 43 Resp: 407895

Ion Ratio Lower Upper

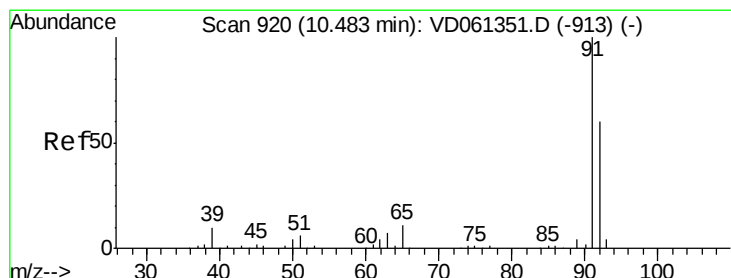
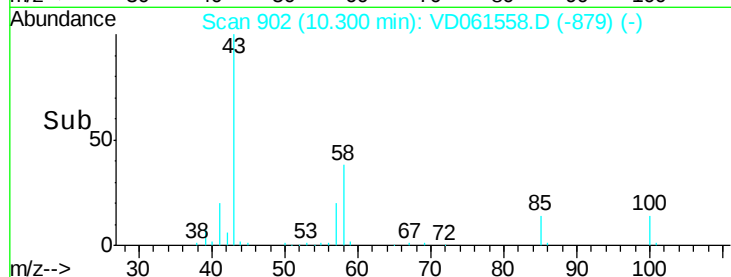
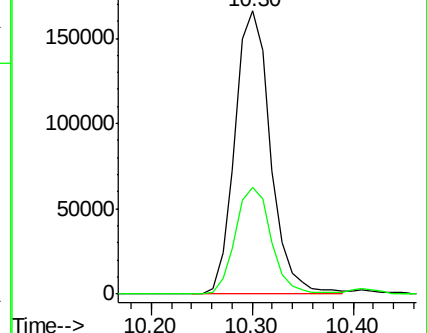
43 100

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



#52

Toluene

Concen: 23.111 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD061558.D

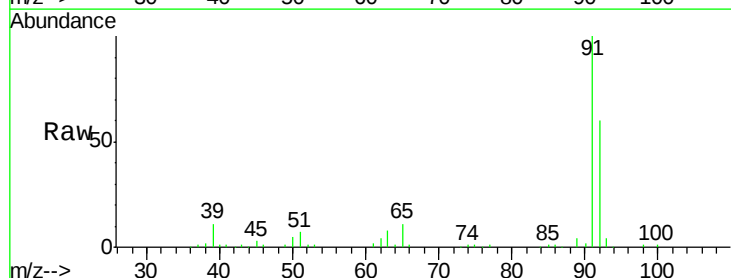
Acq: 3 Apr 2019 16:25

Tgt Ion: 92 Resp: 312169

Ion Ratio Lower Upper

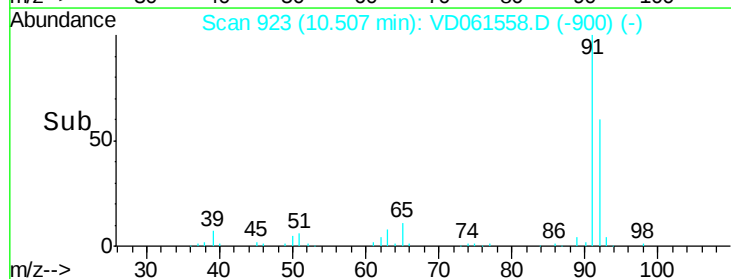
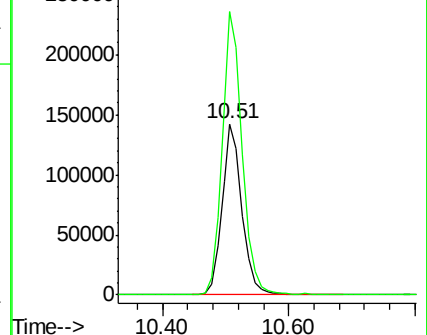
92 100

91 165.5 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 23.961 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

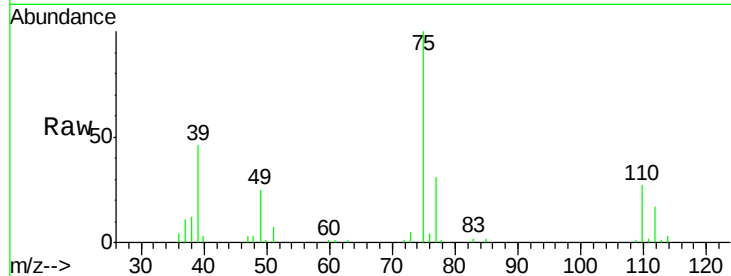
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 184631

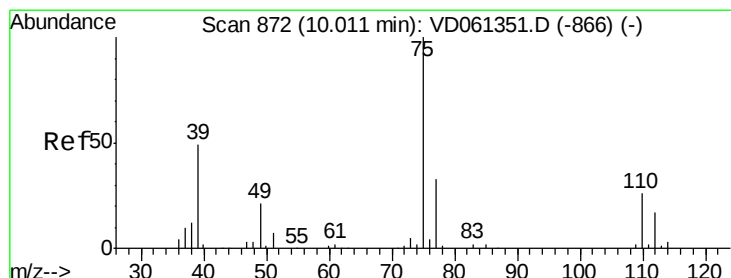
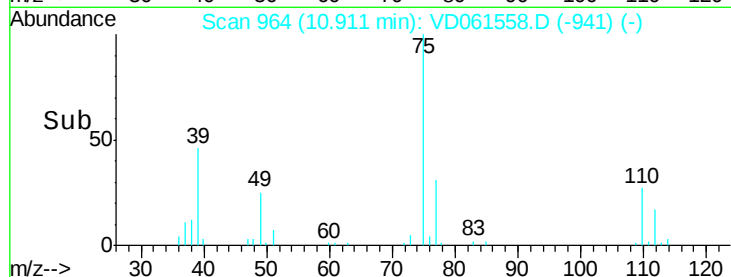
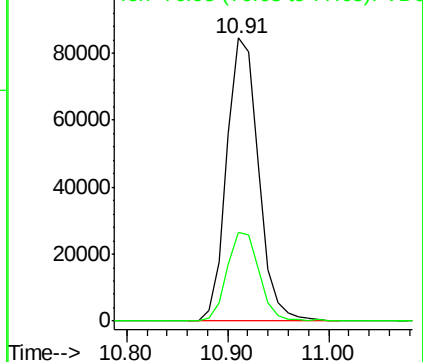
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



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



#54

cis-1,3-Dichloropropene

Concen: 23.193 ug/l

RT: 10.04 min Scan# 876

Delta R.T. 0.03 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

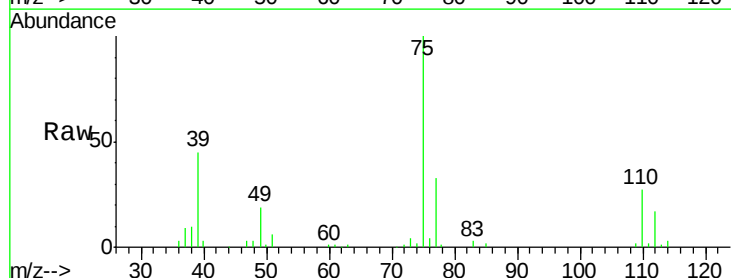
Tgt Ion: 75 Resp: 217611

Ion Ratio Lower Upper

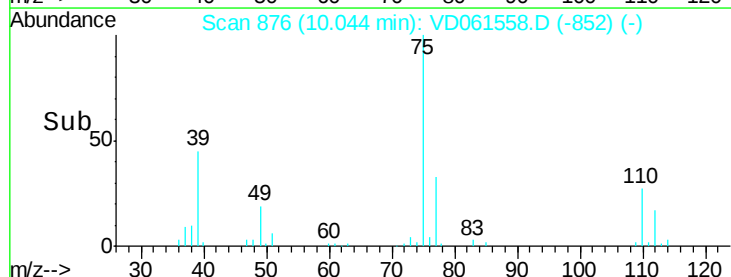
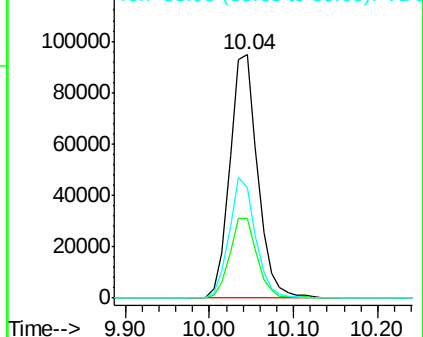
75 100

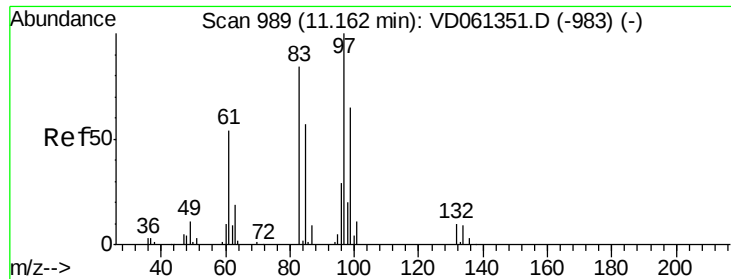
77 32.8 26.2 39.4

39 45.3 39.4 59.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC

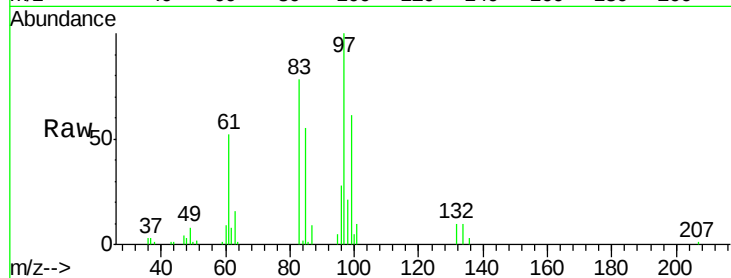




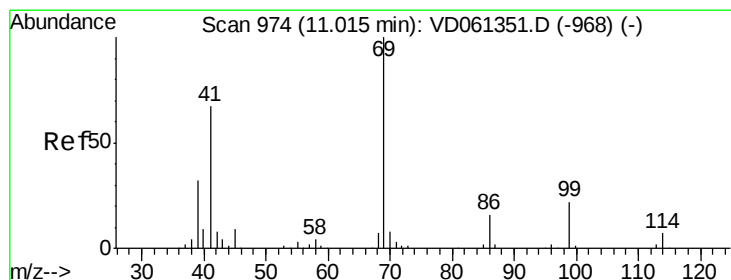
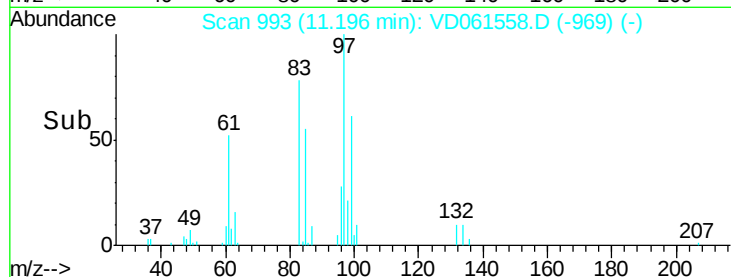
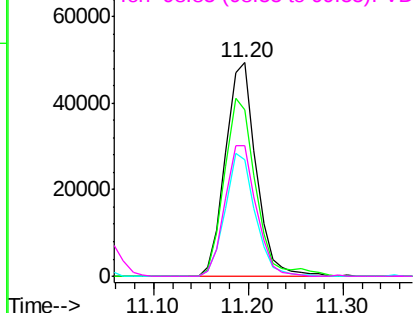
#55
 1,1,2-Trichloroethane
 Concen: 23.489 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.03 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	110955
Ion	Ratio	Lower	Upper
97	100		
83	77.9	67.0	100.6
85	54.8	45.4	68.2
99	61.0	51.9	77.9

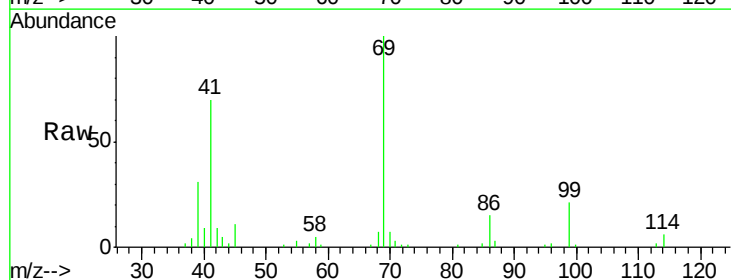


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

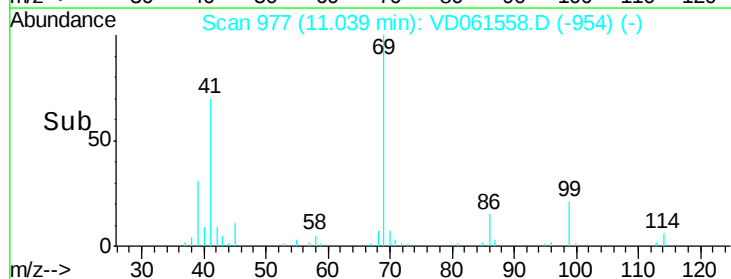
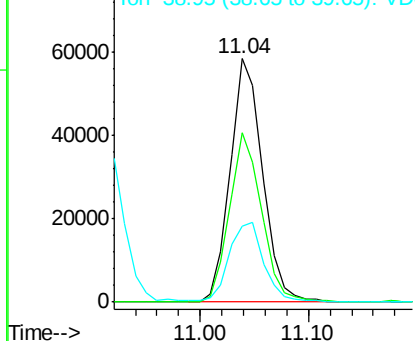


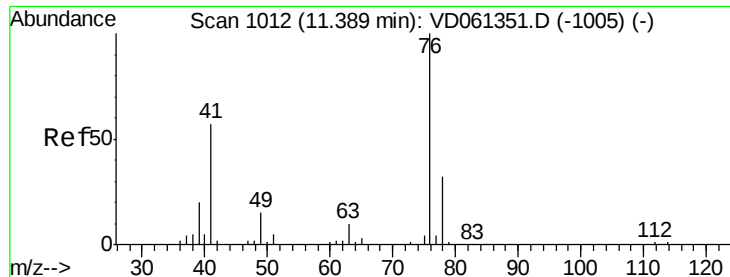
#56
 Ethyl methacrylate
 Concen: 23.976 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion:	69	Resp:	121668
Ion	Ratio	Lower	Upper
69	100		
41	69.8	53.8	80.6
39	31.1	26.4	39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

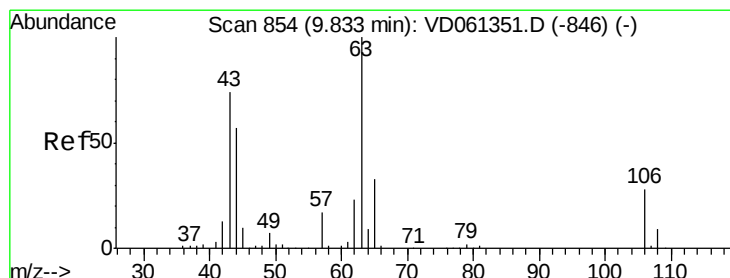
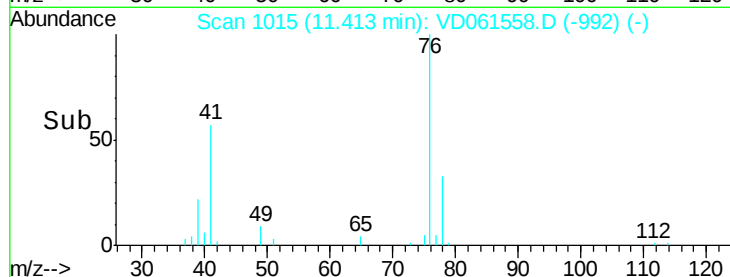
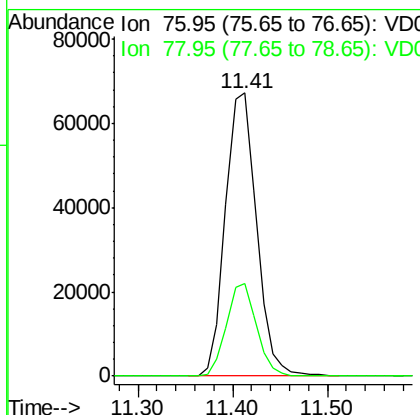
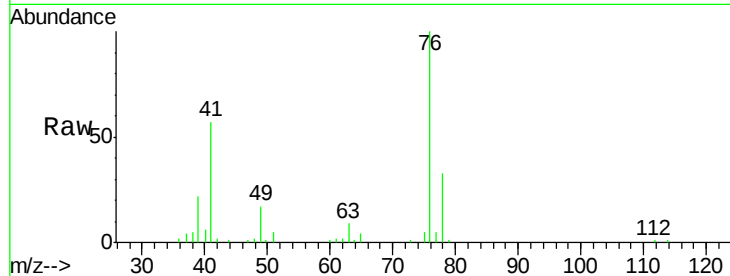




#57
 1,3-Dichloropropane
 Concen: 22.074 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

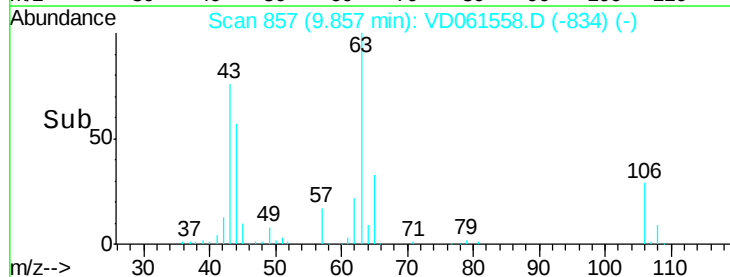
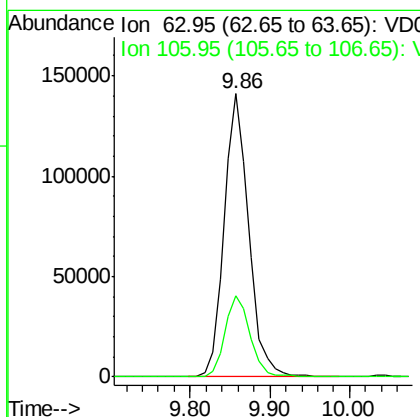
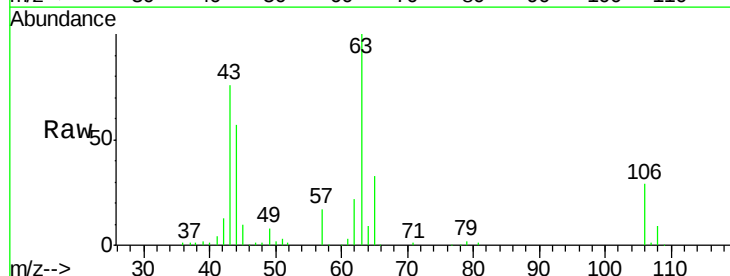
Instrument :
 MSVOA_D
 ClientSampled :

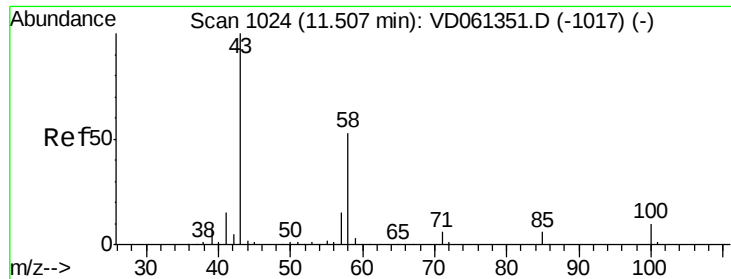
Tot Ion: 76 Resp: 153258
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.722 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion: 63 Resp: 305755
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.4 33.6

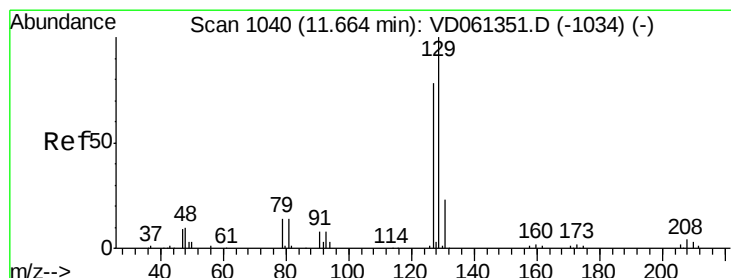
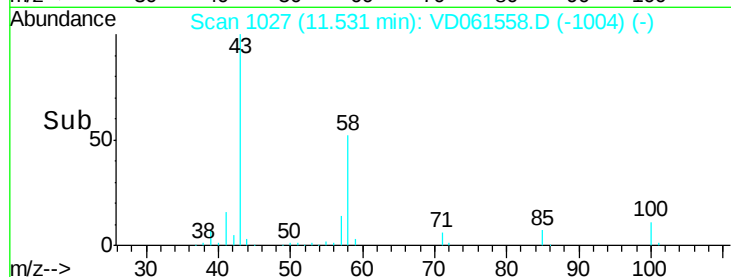
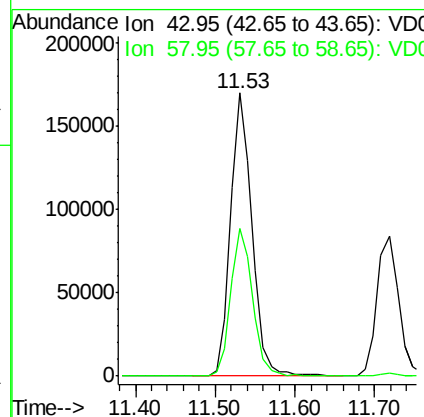
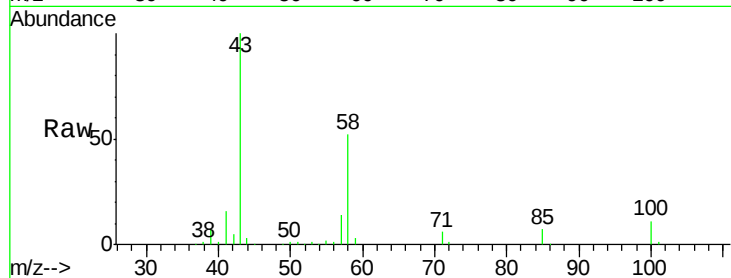




#59
2-Hexanone
Concen: 133.407 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

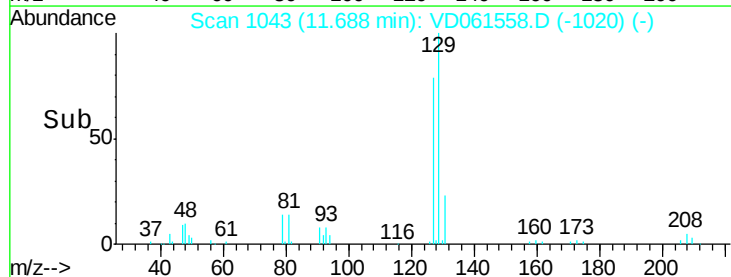
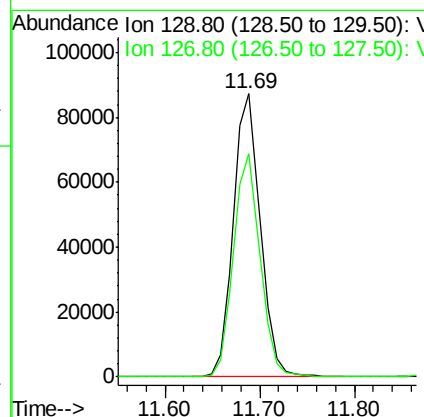
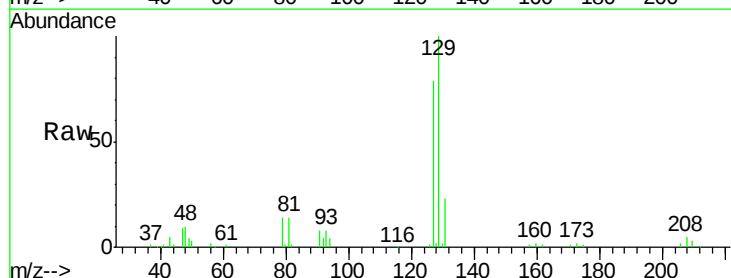
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 322811
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.9



#60
Dibromochloromethane
Concen: 23.709 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion: 129 Resp: 172654
Ion Ratio Lower Upper
129 100
127 79.0 39.0 116.9

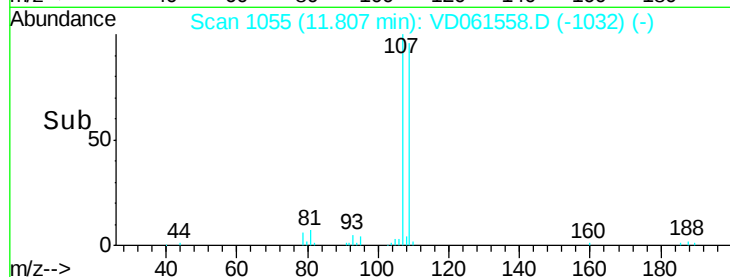
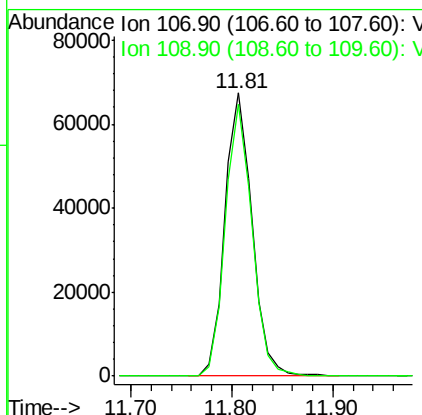
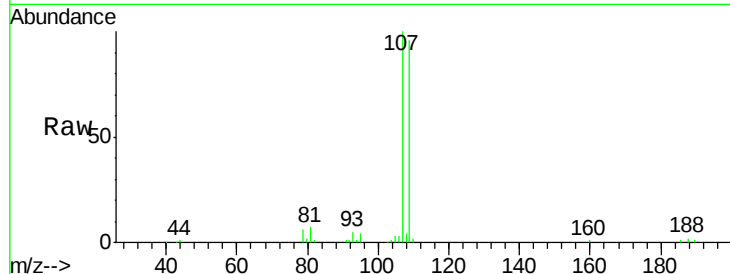




#61
 1,2-Dibromoethane
 Concen: 22.979 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

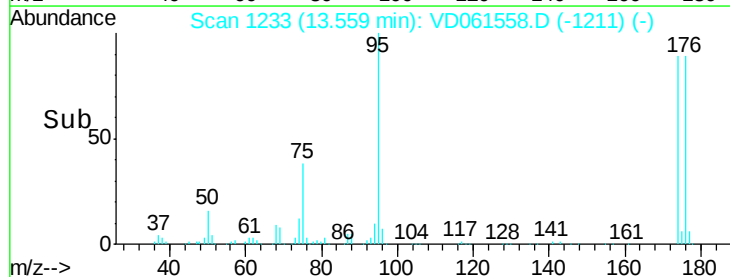
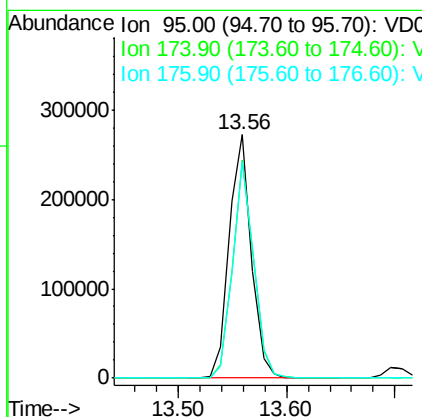
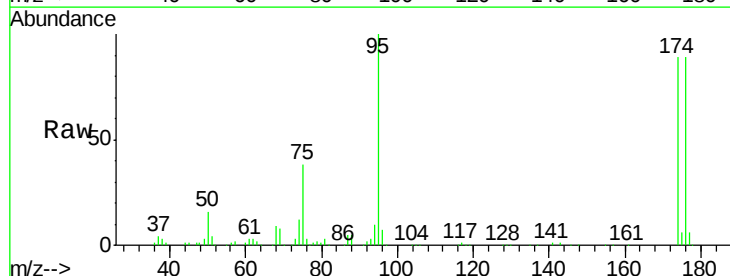
Instrument :
 MSVOA_D
 ClientSampleId :

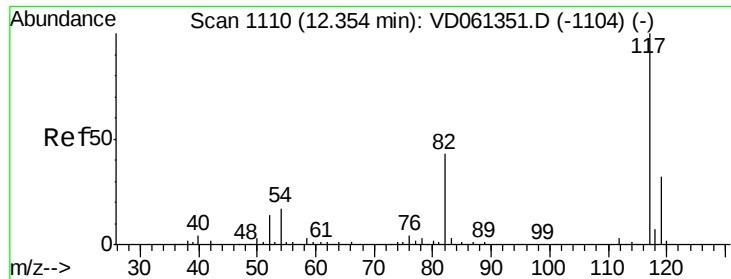
Tot Ion: 107 Resp: 125695
 Ion Ratio Lower Upper
 107 100
 109 96.2 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 22.979 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion: 95 Resp: 387515
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 178.0
 176 89.0 0.0 175.0

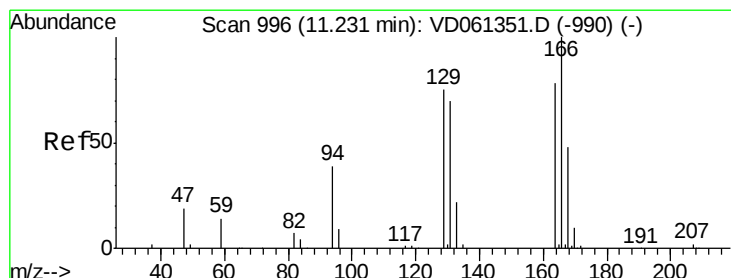
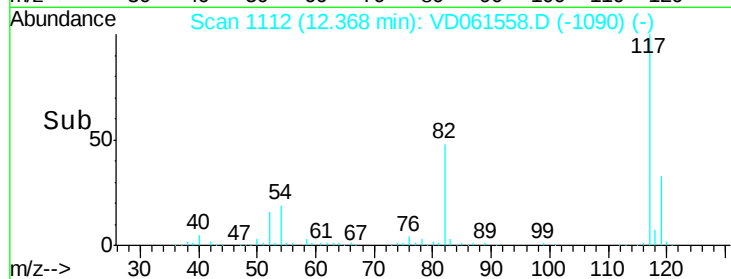
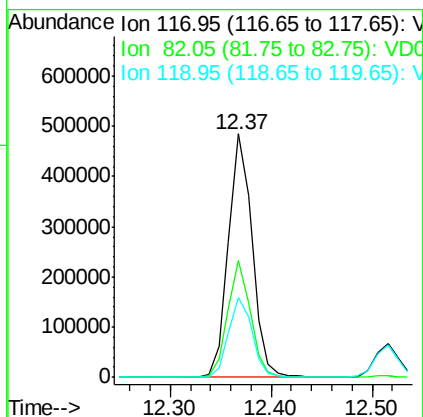
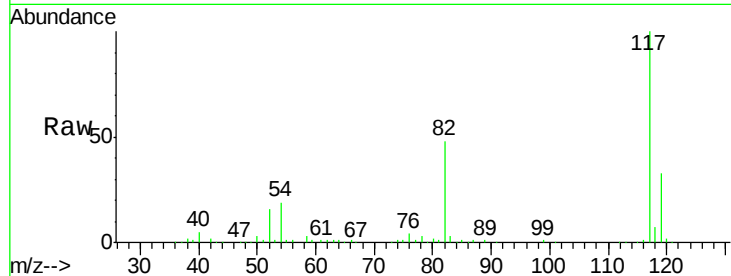




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

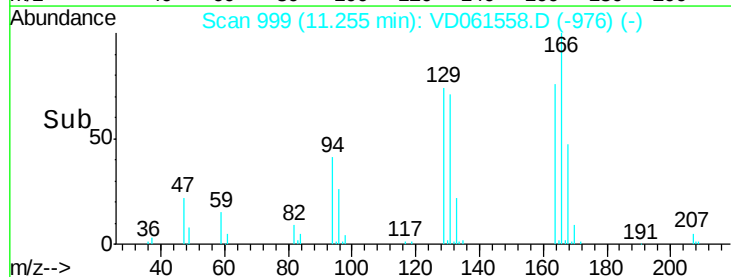
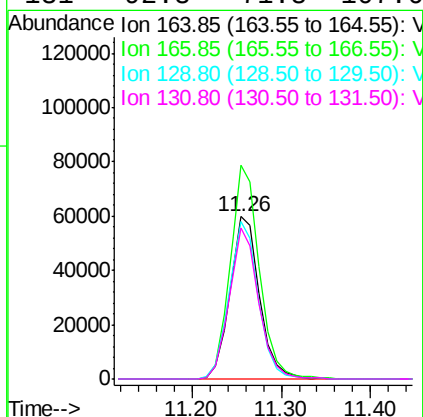
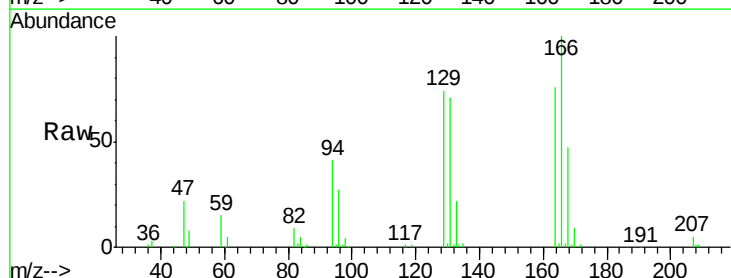
Instrument :
MSVOA_D
ClientSampleId :

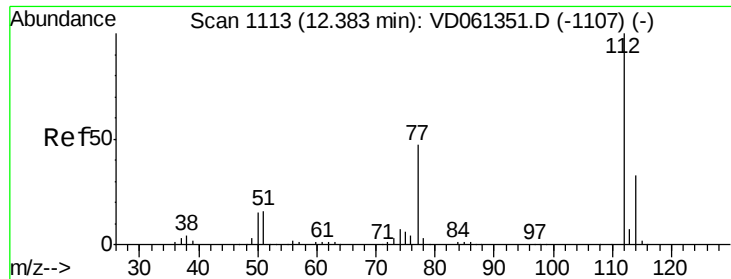
Tot Ion:117 Resp: 791914
Ion Ratio Lower Upper
117 100
82 47.8 34.4 51.6
119 32.9 25.8 38.6



#64
Tetrachloroethene
Concen: 22.259 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion:164 Resp: 138340
Ion Ratio Lower Upper
164 100
166 131.5 102.4 153.6
129 97.3 76.8 115.2
131 92.8 71.8 107.6

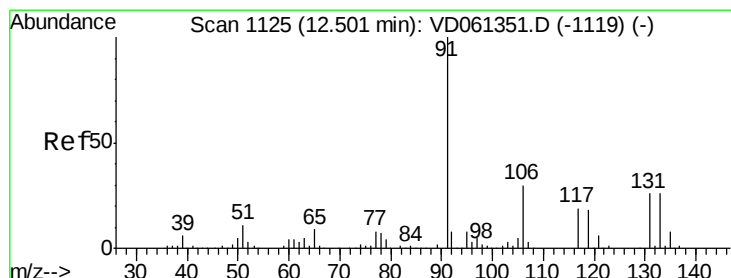
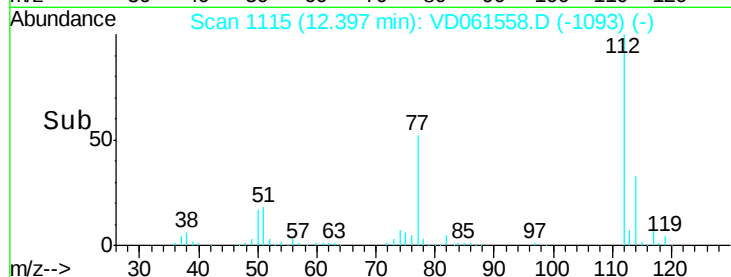
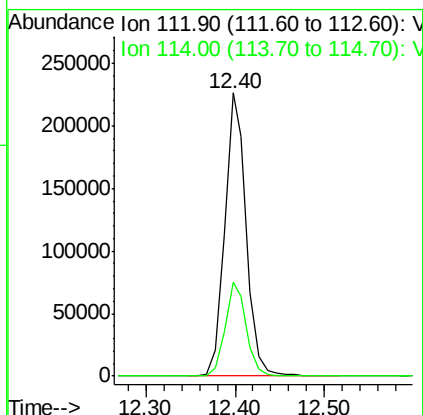
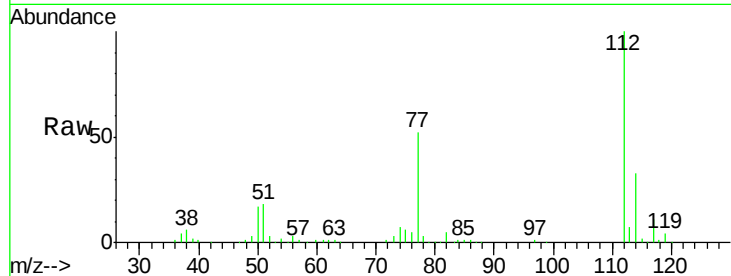




#65
Chlorobenzene
Concen: 23.607 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

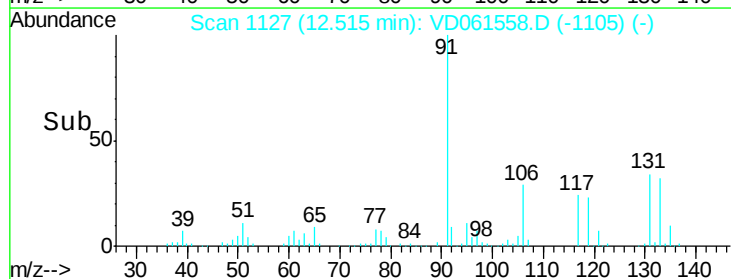
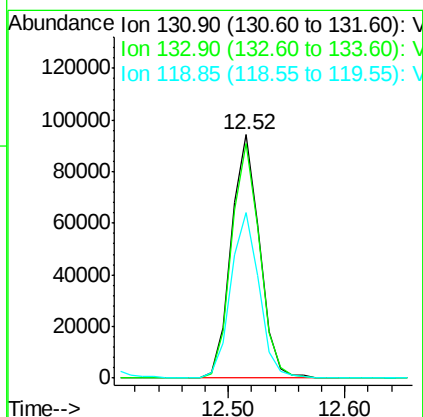
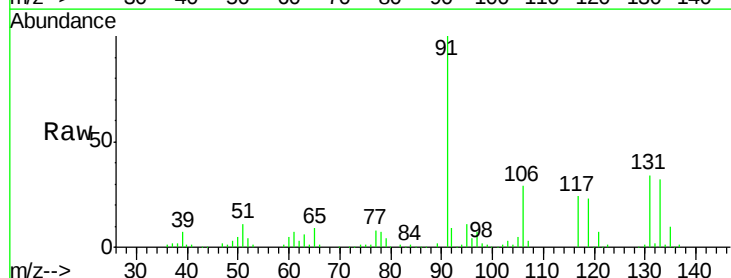
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 382059
Ion Ratio Lower Upper
112 100
114 33.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 25.218 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion:131 Resp: 158021
Ion Ratio Lower Upper
131 100
133 96.3 49.4 148.2
119 68.1 34.1 102.2

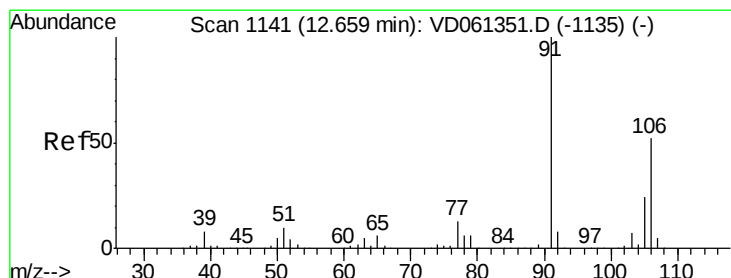
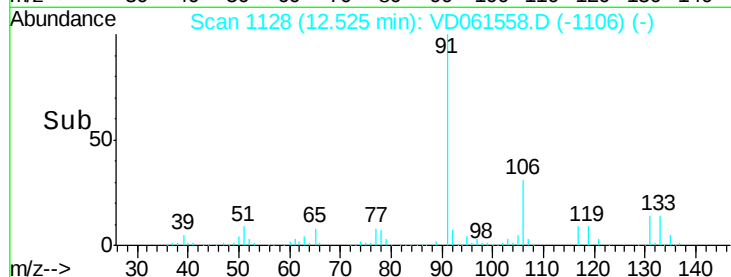
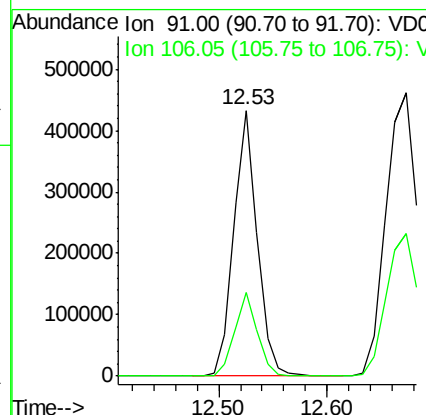
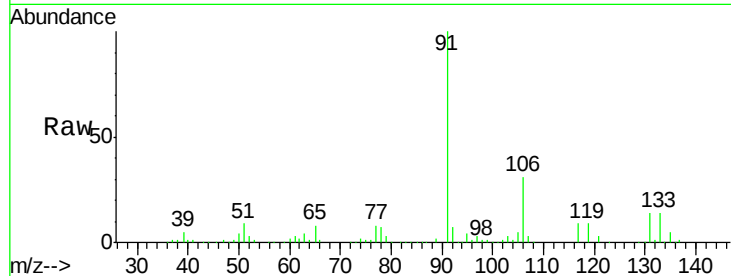




#67
Ethyl Benzene
Concen: 26.443 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

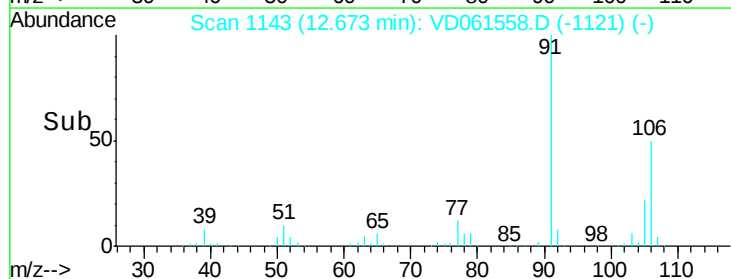
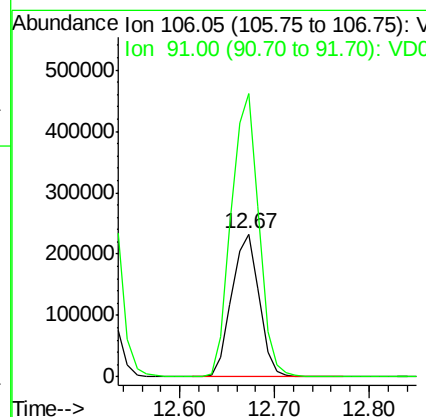
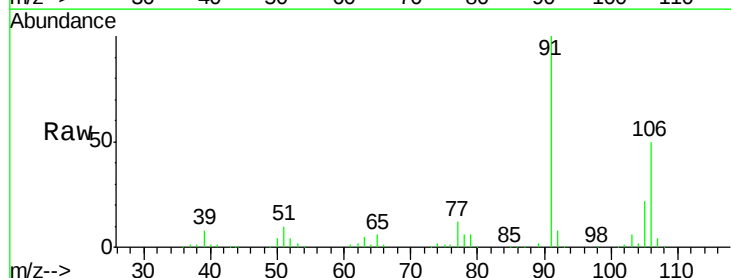
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 653227
Ion Ratio Lower Upper
91 100
106 31.2 26.1 39.1



#68
m/p-Xylenes
Concen: 49.951 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion:106 Resp: 467421
Ion Ratio Lower Upper
106 100
91 198.3 153.1 229.7

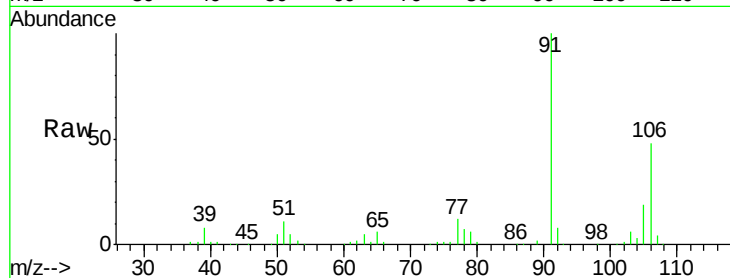




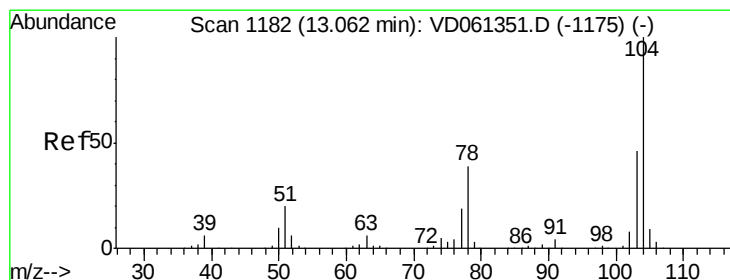
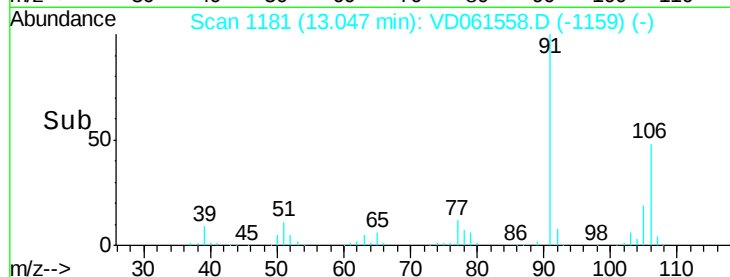
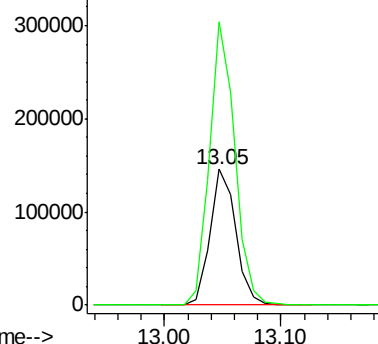
#69
o-Xylene
Concen: 24.594 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 223335
Ion Ratio Lower Upper
106 100
91 208.3 103.8 311.3

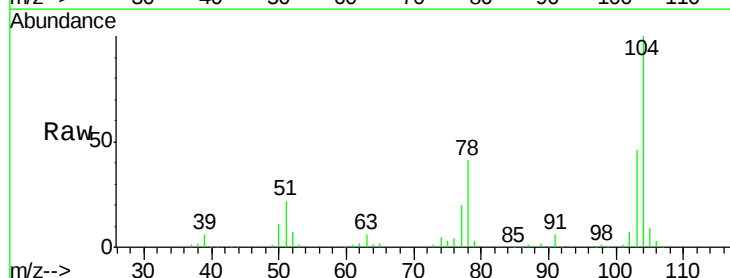


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

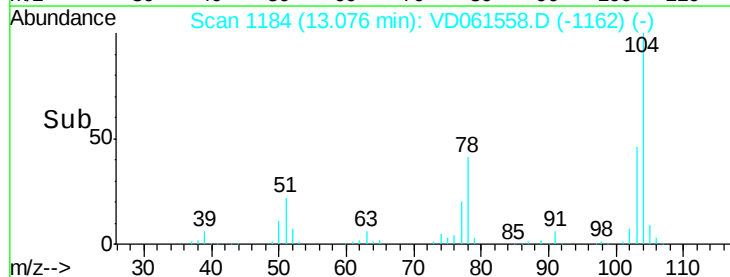
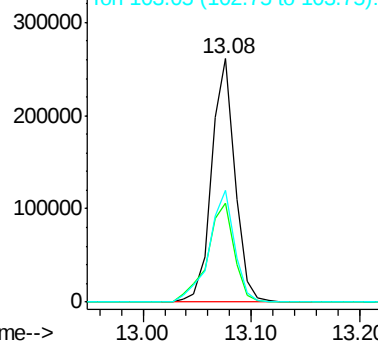


#70
Styrene
Concen: 24.640 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion:104 Resp: 390048
Ion Ratio Lower Upper
104 100
78 40.7 31.0 46.6
103 45.9 37.0 55.4



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

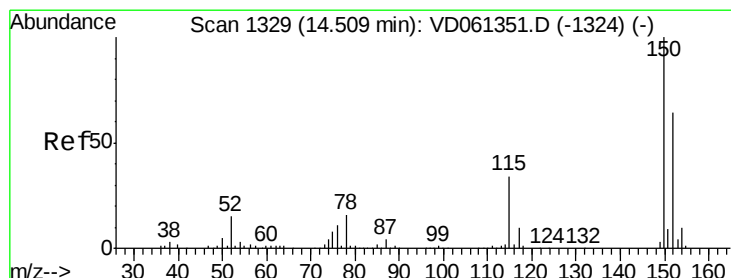
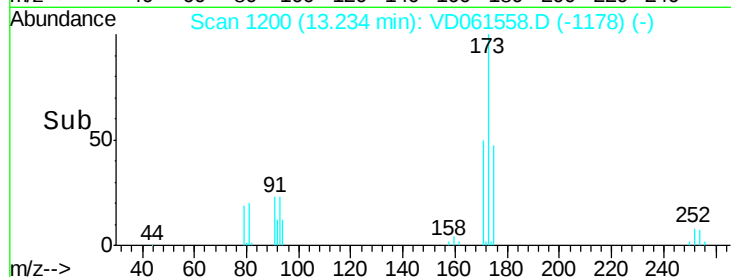
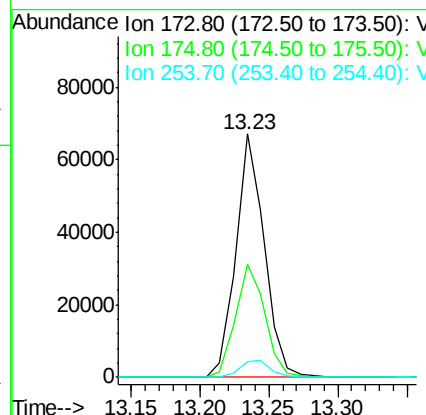
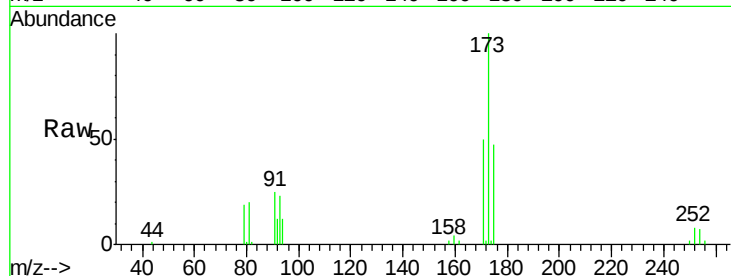




#71
Bromoform
Concen: 24.155 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

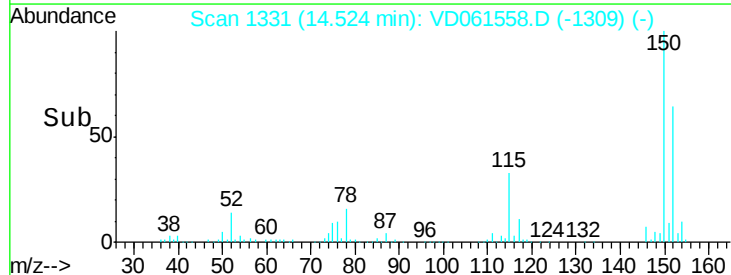
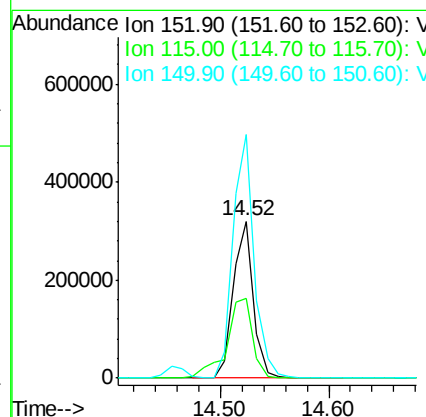
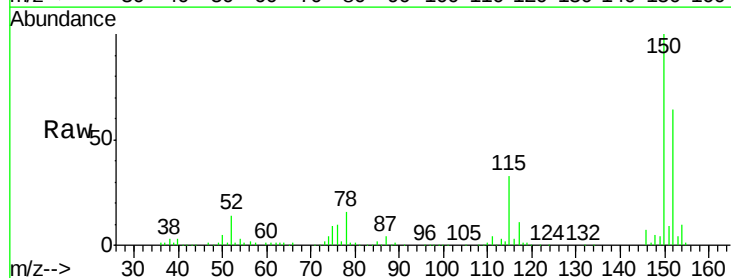
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 95949
Ion Ratio Lower Upper
173 100
175 46.6 24.6 73.8
254 6.6 6.6 10.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion:152 Resp: 409693
Ion Ratio Lower Upper
152 100
115 51.3 26.9 80.6
150 155.5 0.0 318.0





#73

Isopropylbenzene

Concen: 20.607 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

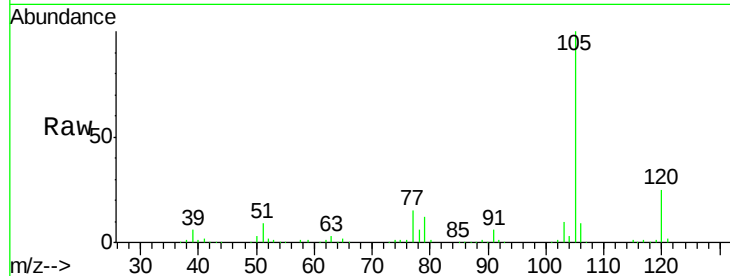
ClientSampleId :

Tot Ion:105 Resp: 587604

Ion Ratio Lower Upper

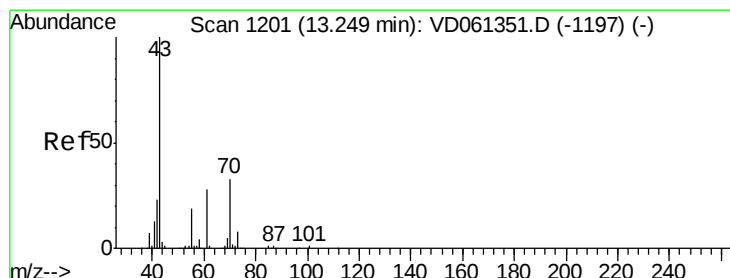
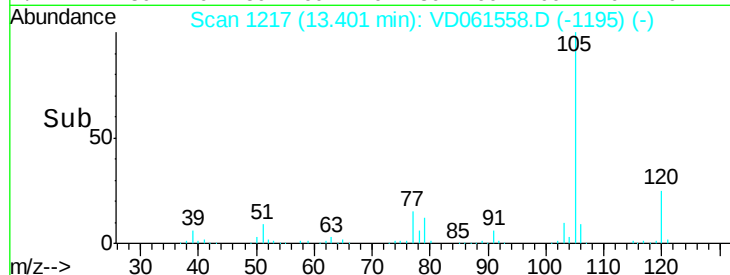
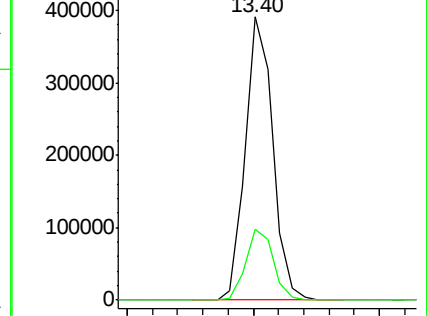
105 100

120 24.9 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: 21.468 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Tgt Ion: 43 Resp: 170524

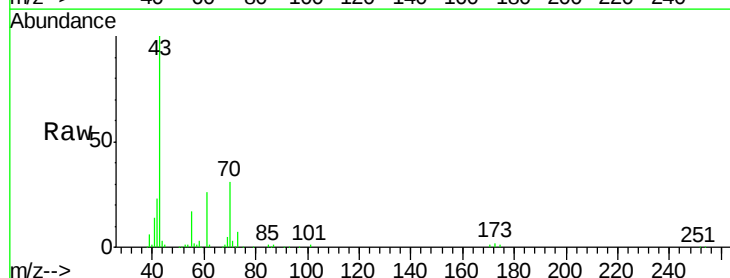
Ion Ratio Lower Upper

43 100

70 30.6 26.6 40.0

55 17.3 15.4 23.2

61 26.2 22.2 33.4

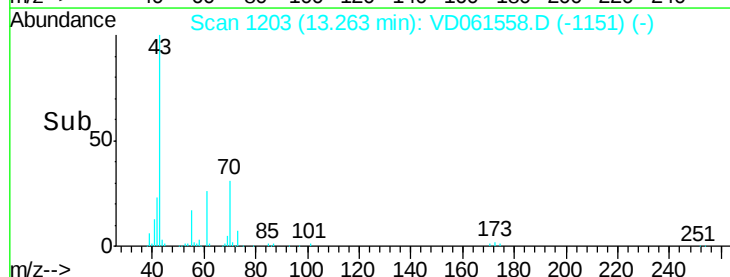
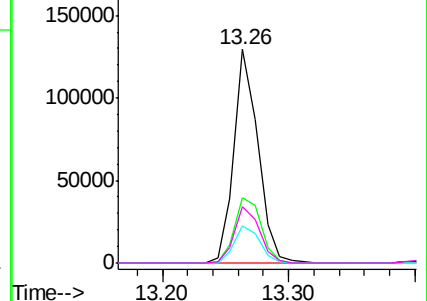


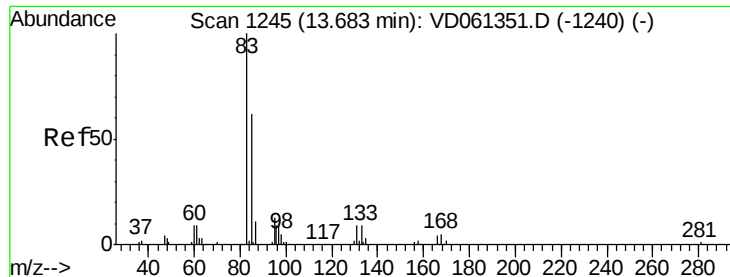
Abundance Ion 42.95 (42.65 to 43.65): V

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: 21.093 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

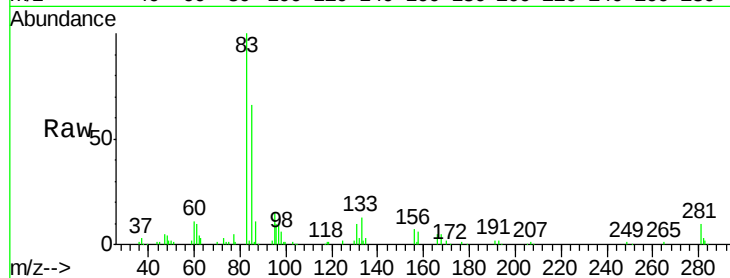
Tot Ion: 83 Resp: 126877

Ion Ratio Lower Upper

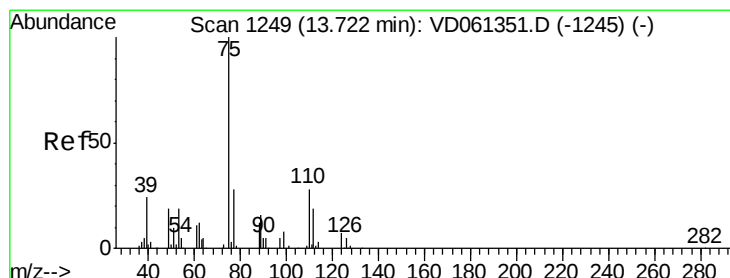
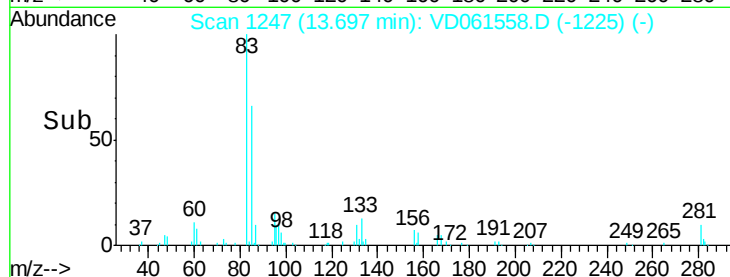
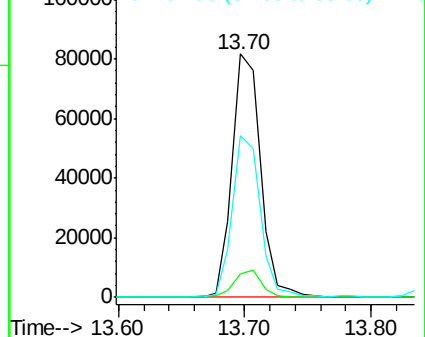
83 100

131 9.8 4.3 13.1

85 66.5 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



#76

1,2,3-Trichloropropane

Concen: 21.116 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061558.D

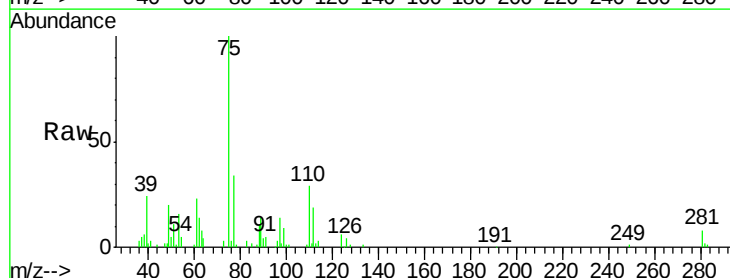
Acq: 3 Apr 2019 16:25

Tgt Ion: 75 Resp: 124966

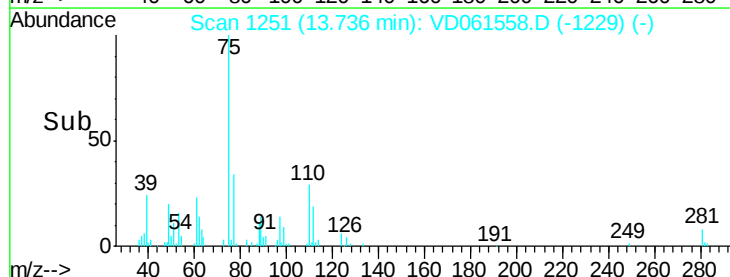
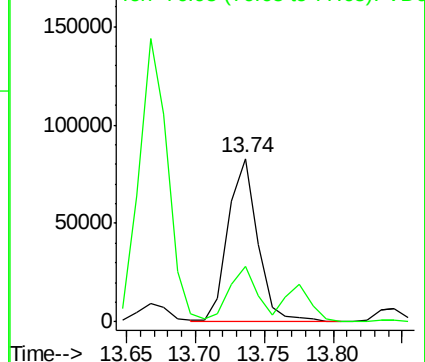
Ion Ratio Lower Upper

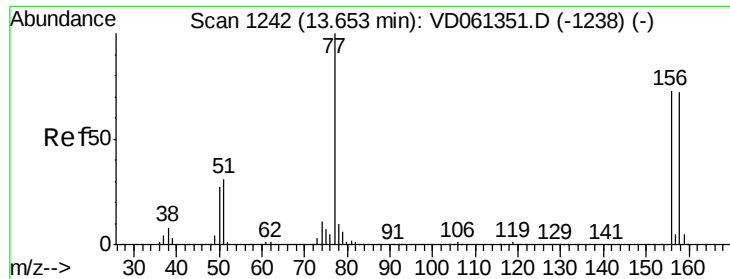
75 100

77 34.2 16.2 48.5



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





#77

Bromobenzene

Concen: 19.801 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

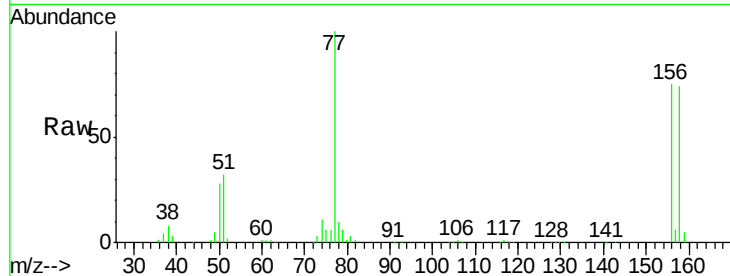
Tot Ion:156 Resp: 167384

Ion Ratio Lower Upper

156 100

77 133.3 68.5 205.6

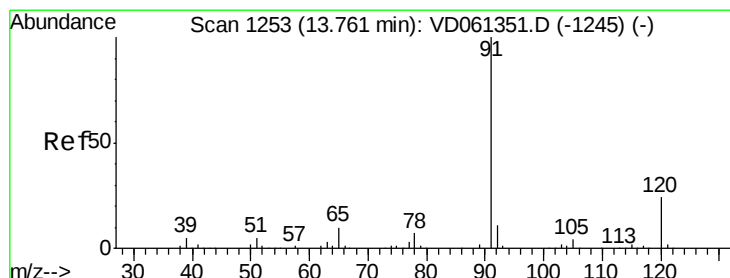
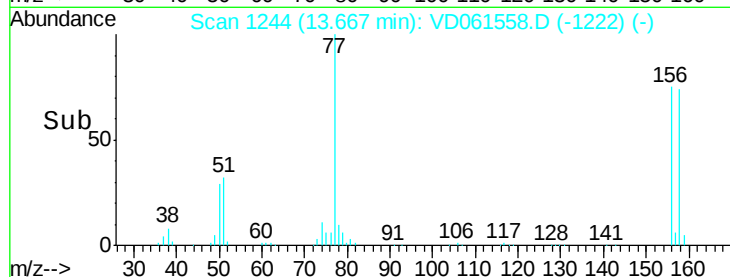
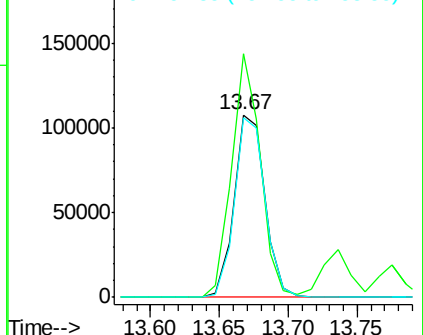
158 98.2 49.1 147.3



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: 20.134 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061558.D

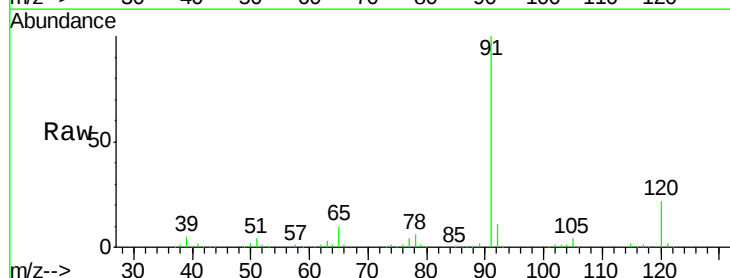
Acq: 3 Apr 2019 16:25

Tgt Ion: 91 Resp: 702567

Ion Ratio Lower Upper

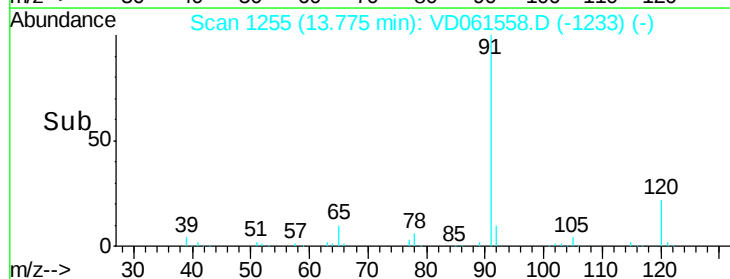
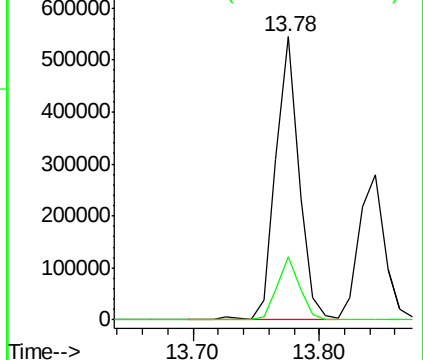
91 100

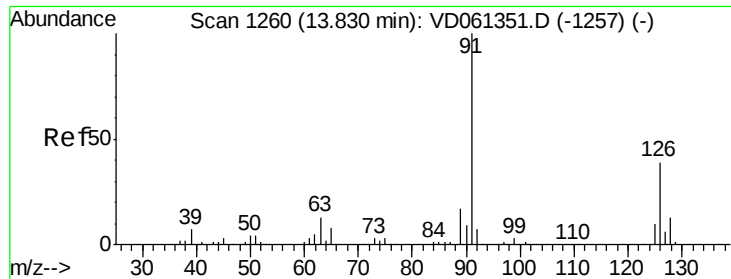
120 22.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

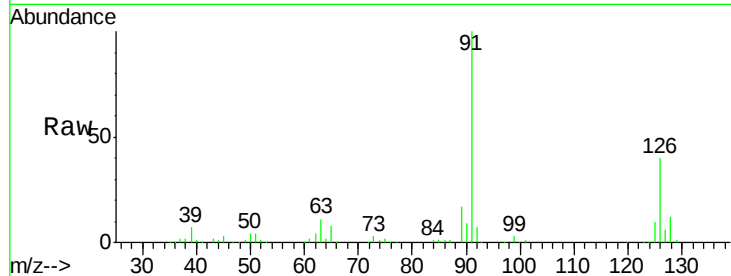




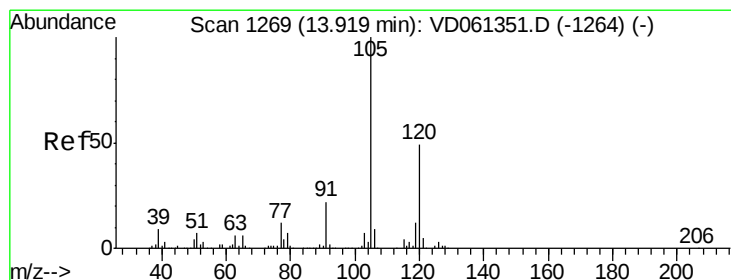
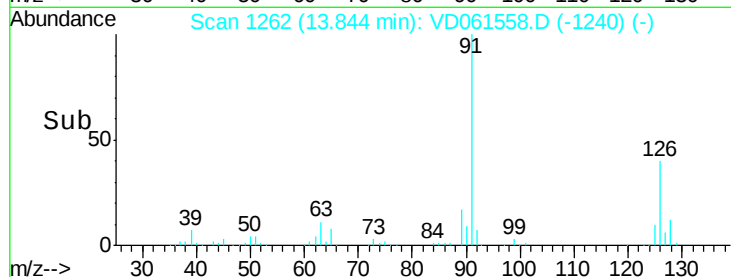
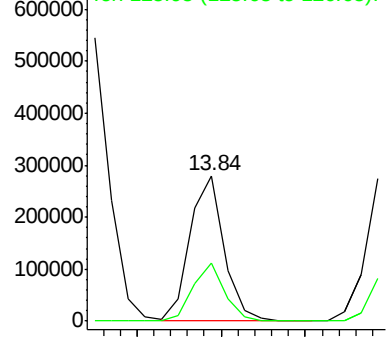
#79
2-Chlorotoluene
Concen: 20.558 ug/l
RT: 13.84 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 389512
Ion Ratio Lower Upper
91 100
126 39.7 19.4 58.2

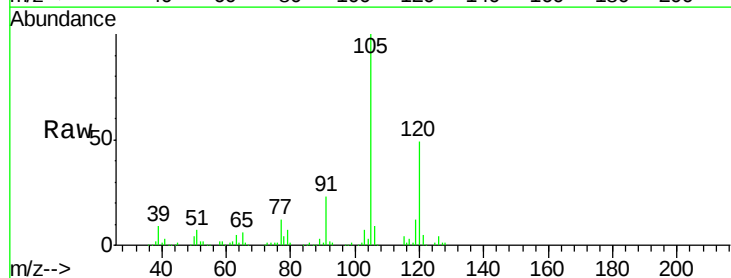


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

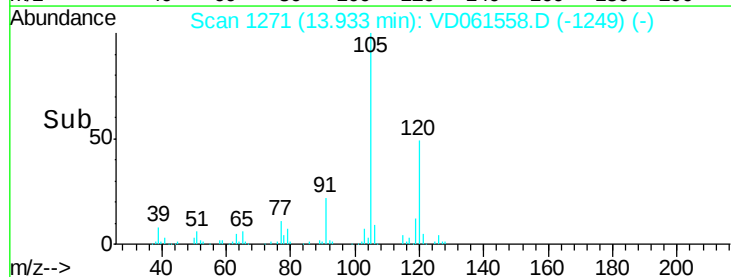
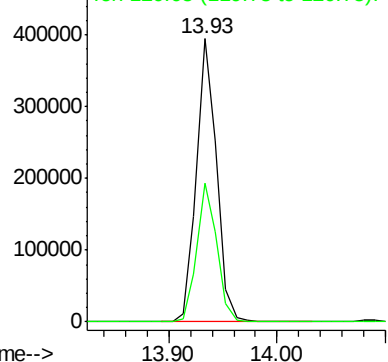


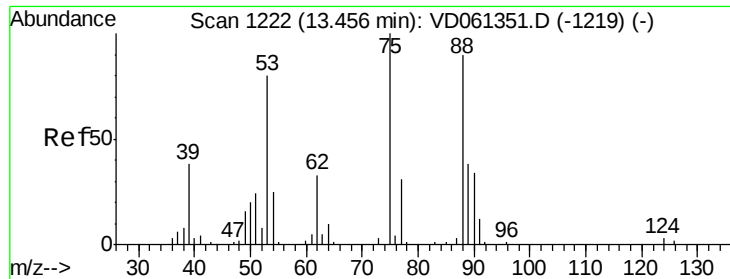
#80
1,3,5-Trimethylbenzene
Concen: 23.019 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion:105 Resp: 509275
Ion Ratio Lower Upper
105 100
120 49.1 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) (-)

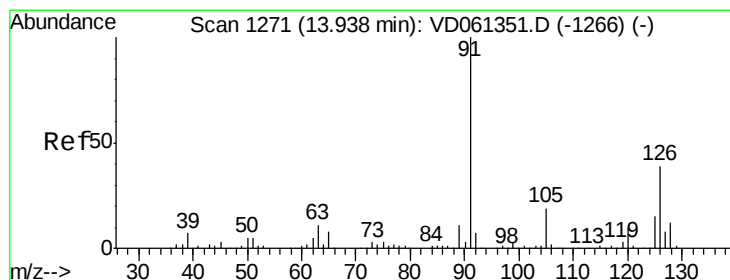
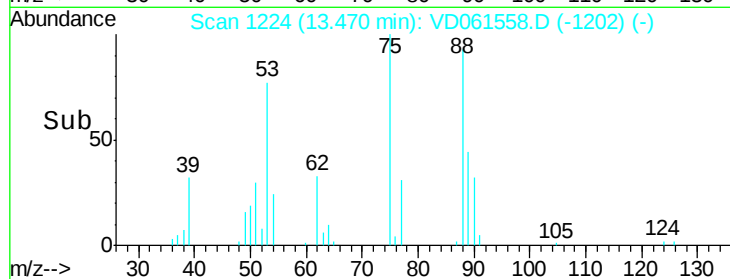
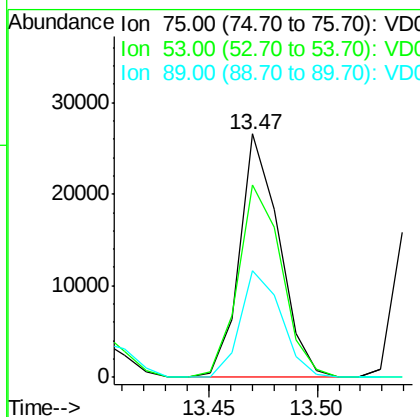
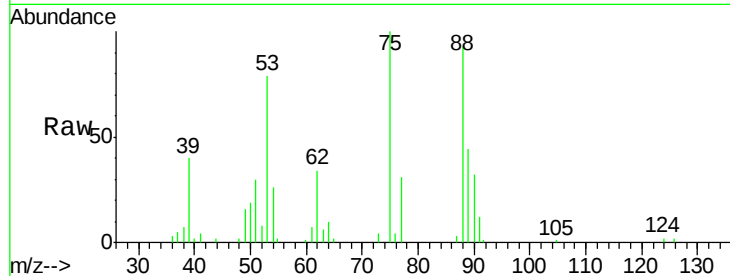




#81
trans-1,4-Dichloro-2-butene
Concen: 18.773 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

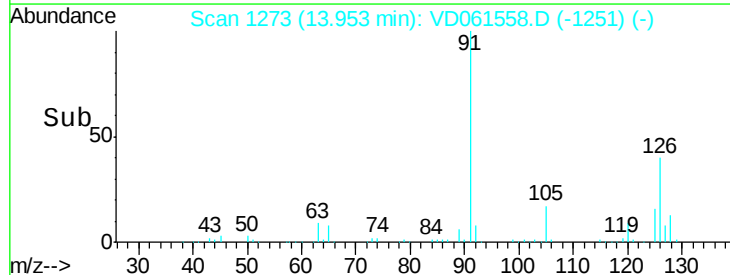
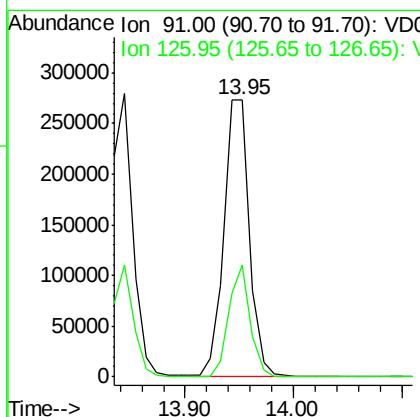
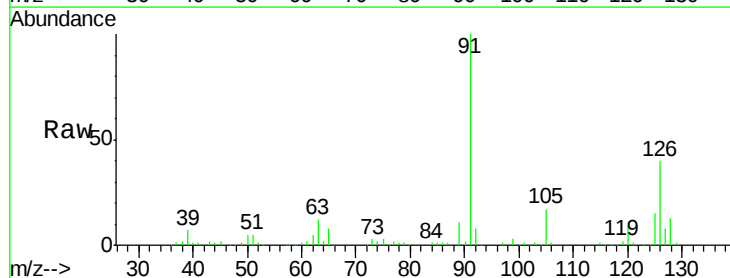
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 33875
Ion Ratio Lower Upper
75 100
53 79.1 63.8 95.8
89 43.8 30.5 45.7



#82
4-Chlorotoluene
Concen: 21.715 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion: 91 Resp: 447358
Ion Ratio Lower Upper
91 100
126 40.2 19.6 58.8

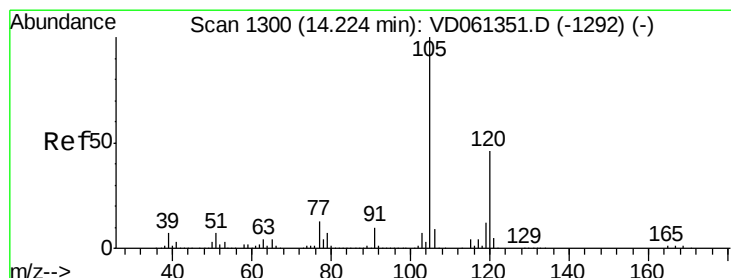
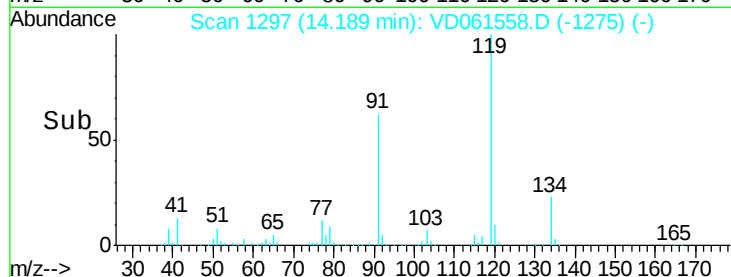
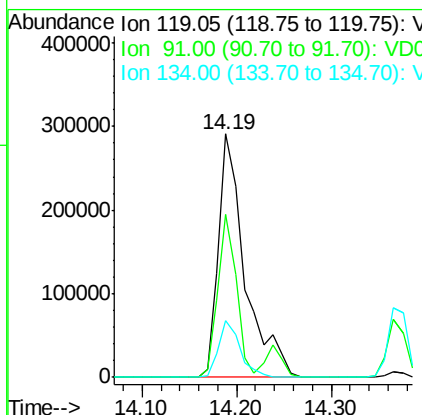
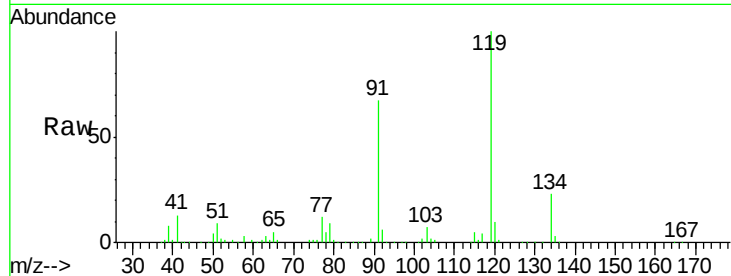




#83
 tert-Butylbenzene
 Concen: 20.557 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

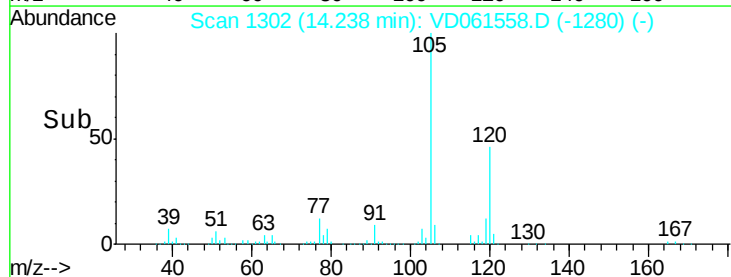
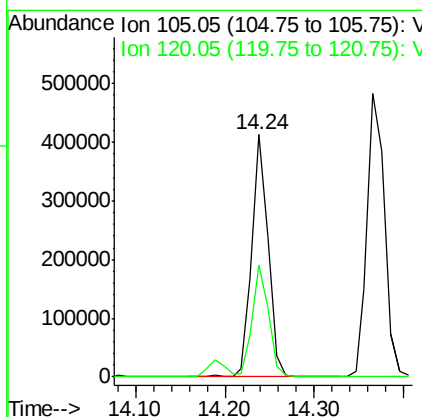
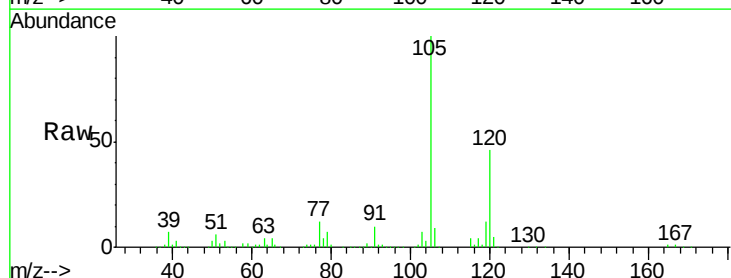
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 568370
 Ion Ratio Lower Upper
 119 100
 91 66.8 34.1 102.3
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.794 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion:105 Resp: 522007
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.329 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

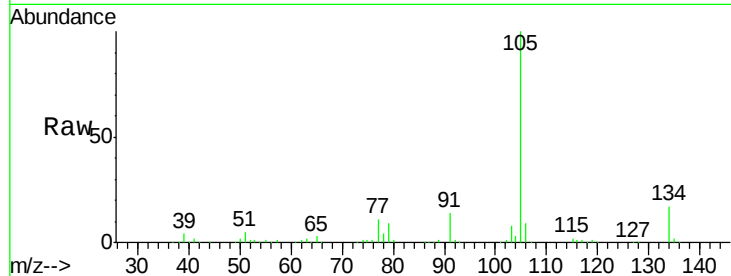
ClientSampleId :

Tot Ion:105 Resp: 655860

Ion Ratio Lower Upper

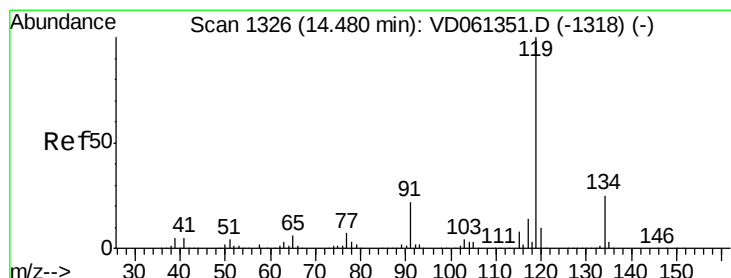
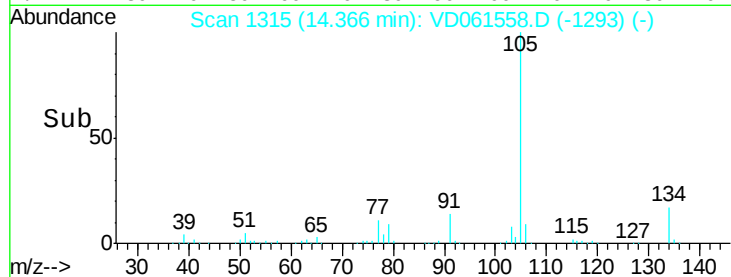
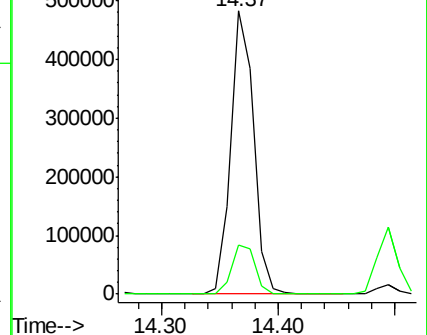
105 100

134 17.3 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: 23.042 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

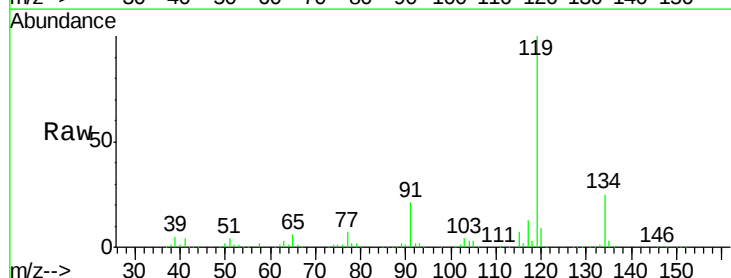
Tgt Ion:119 Resp: 572305

Ion Ratio Lower Upper

119 100

134 24.6 12.3 36.8

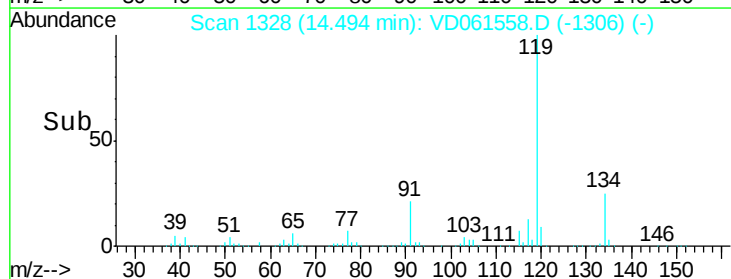
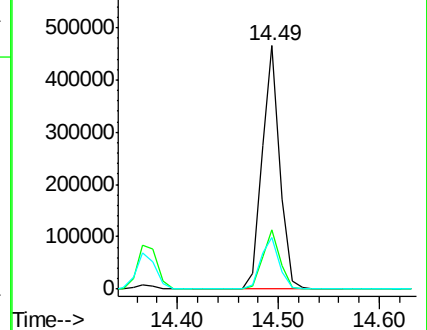
91 21.4 11.1 33.1

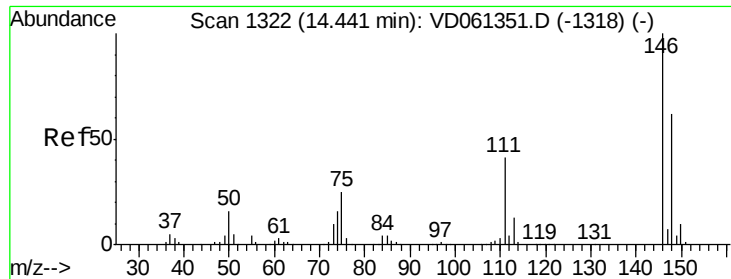


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

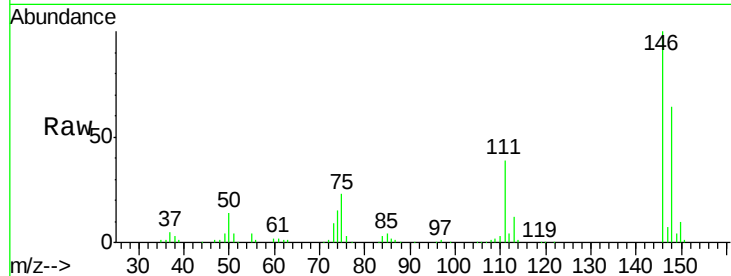




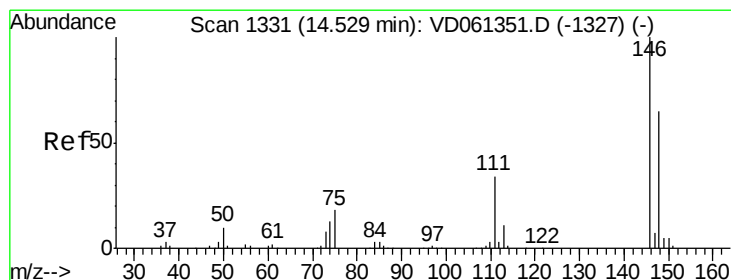
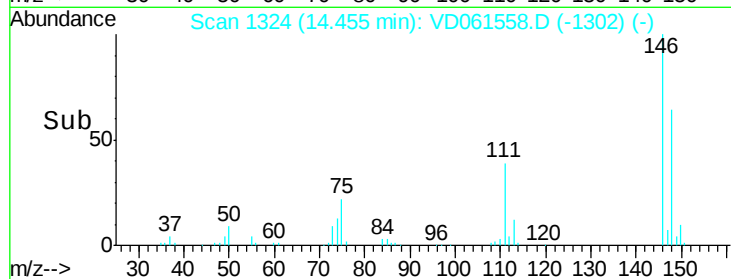
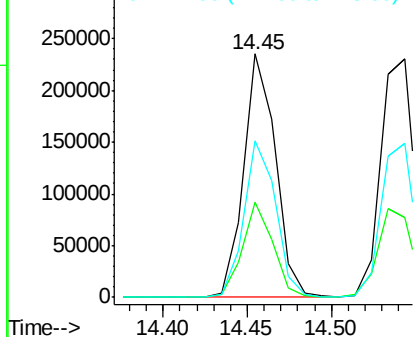
#87
 1,3-Dichlorobenzene
 Concen: 21.585 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 308989
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.6 61.9
 148 64.2 31.1 93.3

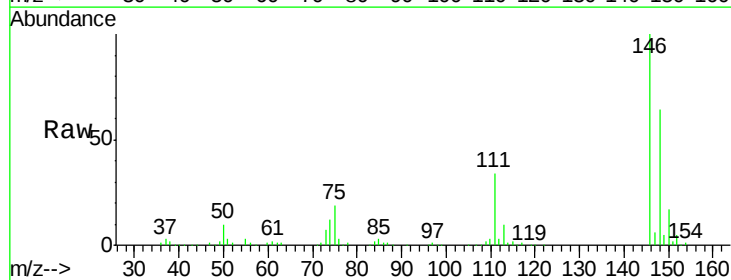


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

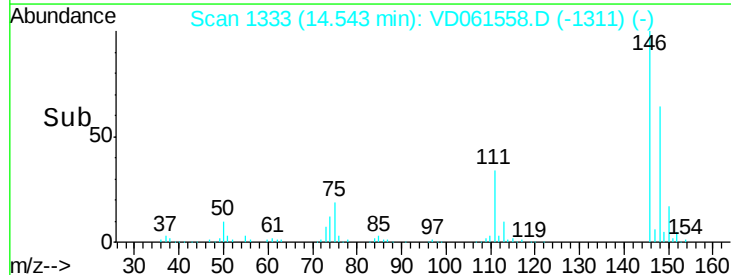
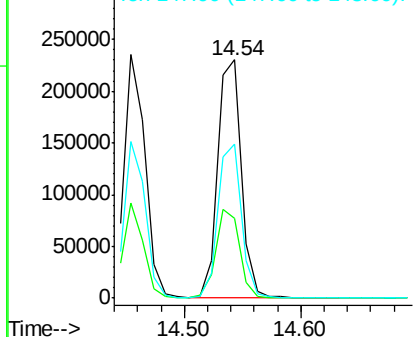


#88
 1,4-Dichlorobenzene
 Concen: 23.198 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion:146 Resp: 323843
 Ion Ratio Lower Upper
 146 100
 111 33.6 16.8 50.4
 148 64.5 32.6 98.0



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





#89

n-Butylbenzene

Concen: 22.767 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampleID :

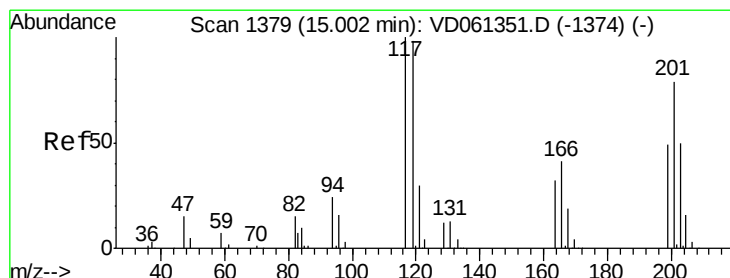
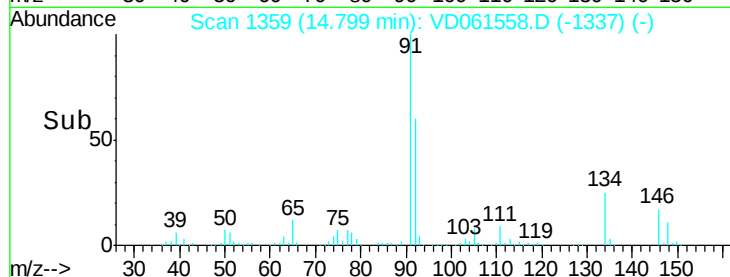
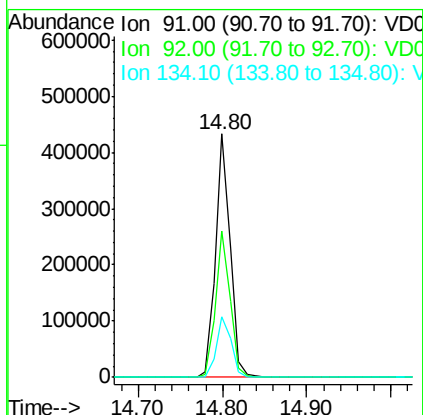
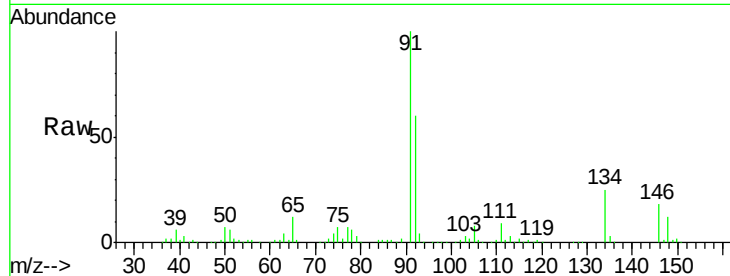
Tot Ion: 91 Resp: 519000

Ion Ratio Lower Upper

91 100

92 60.2 30.3 91.0

134 25.0 12.4 37.0



#90

Hexachloroethane

Concen: 18.782 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061558.D

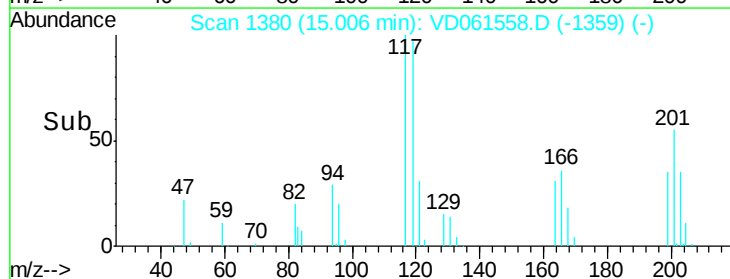
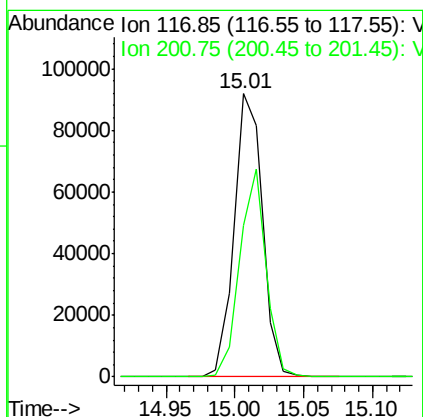
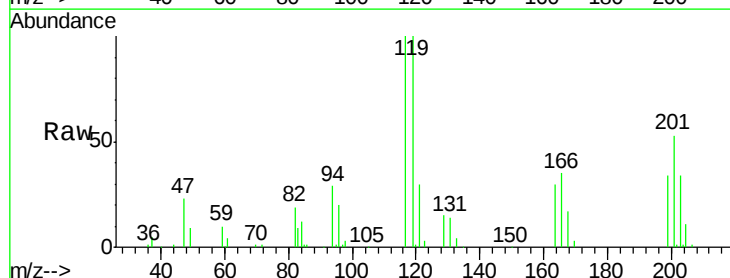
Acq: 3 Apr 2019 16:25

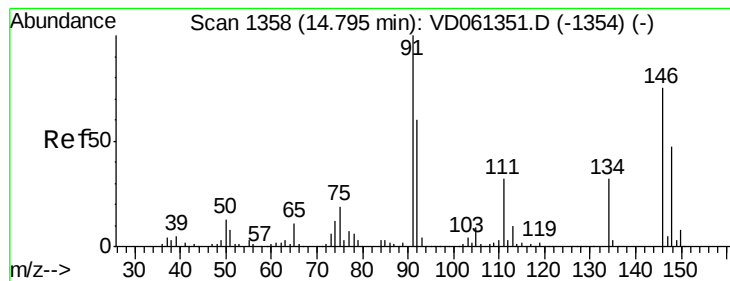
Tgt Ion: 117 Resp: 131786

Ion Ratio Lower Upper

117 100

201 53.4 39.6 119.0





#91

1,2-Dichlorobenzene

Concen: 22.605 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

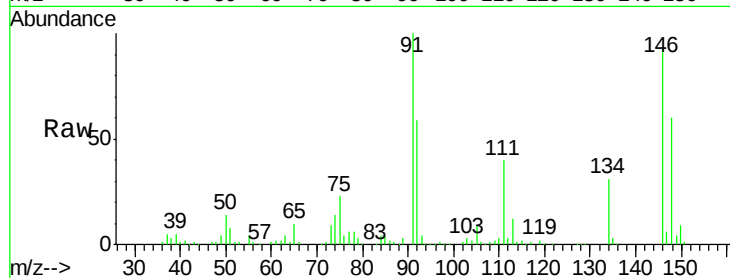
Tot Ion:146 Resp: 265415

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

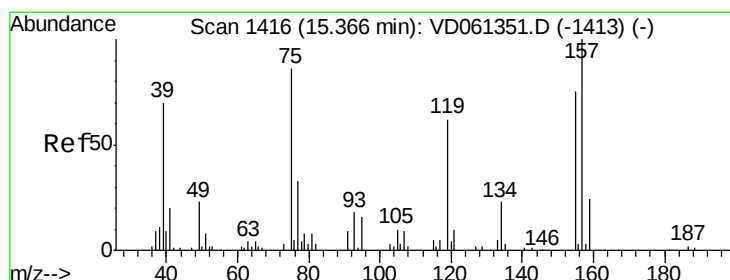
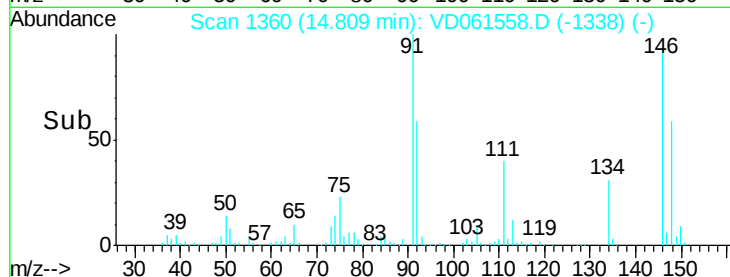
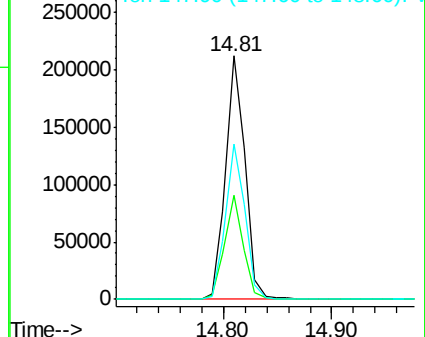
148 64.0 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.347 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD061558.D

Acq: 3 Apr 2019 16:25

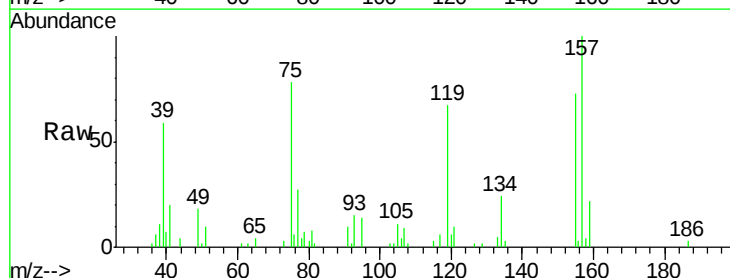
Tgt Ion: 75 Resp: 15765

Ion Ratio Lower Upper

75 100

155 94.5 43.6 130.9

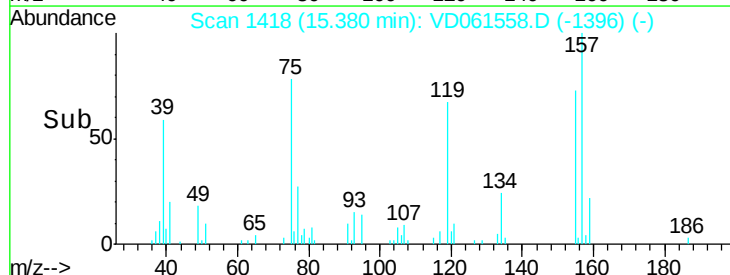
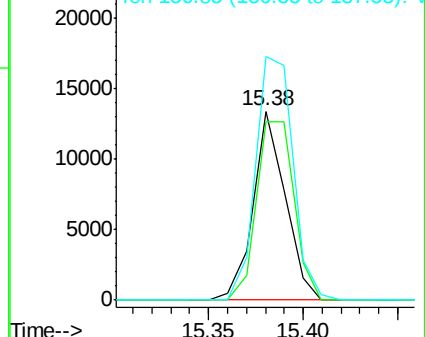
157 128.8 58.5 175.3

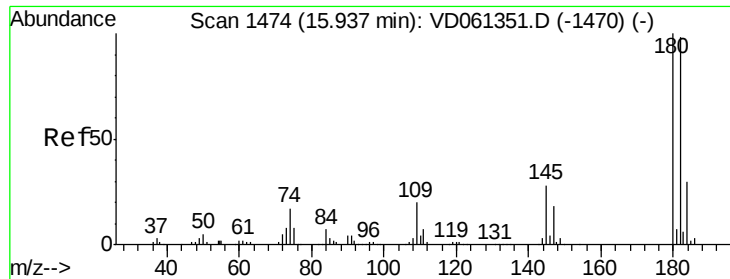


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

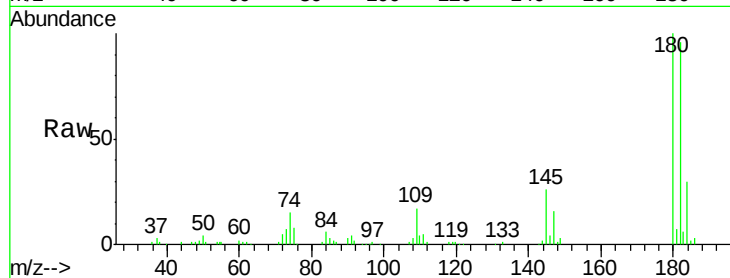




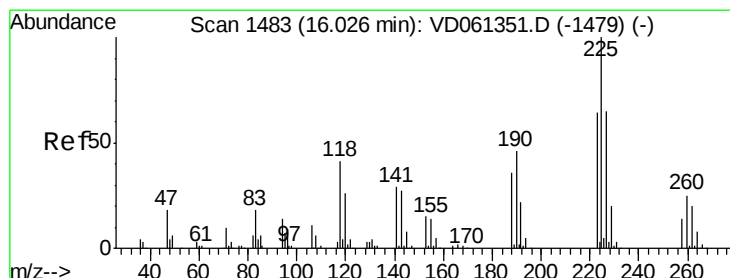
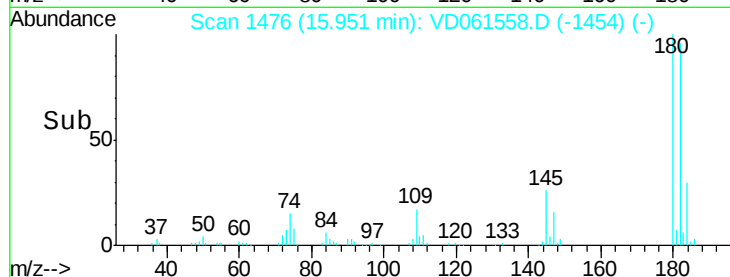
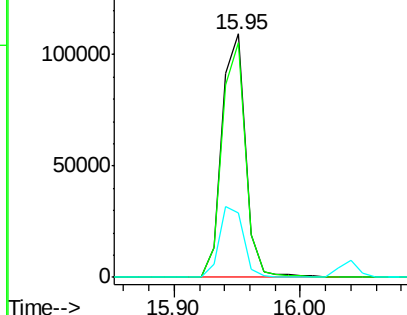
#93
 1,2,4-Trichlorobenzene
 Concen: 26.423 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 141329
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.9 146.8
 145 26.4 14.1 42.3

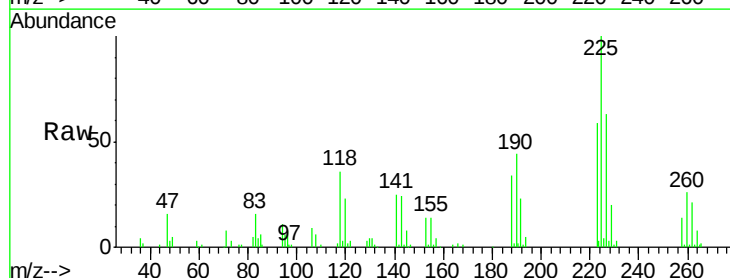


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

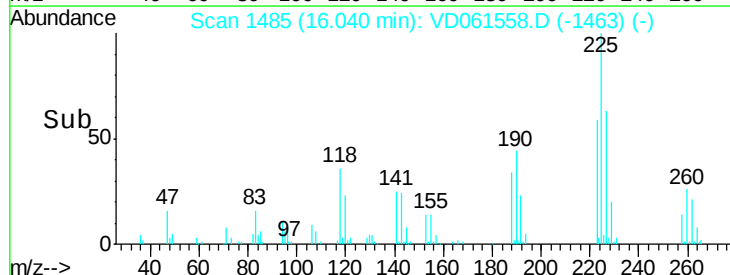
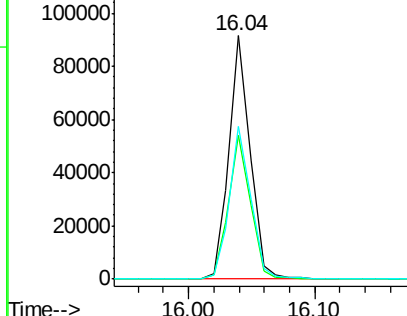


#94
 Hexachlorobutadiene
 Concen: 25.412 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061558.D
 Acq: 3 Apr 2019 16:25

Tgt Ion:225 Resp: 106212
 Ion Ratio Lower Upper
 225 100
 223 59.1 32.0 96.0
 227 62.6 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

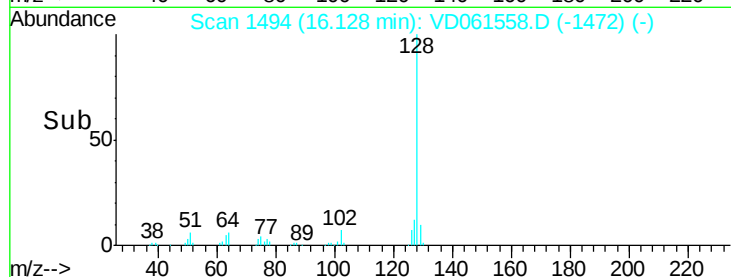
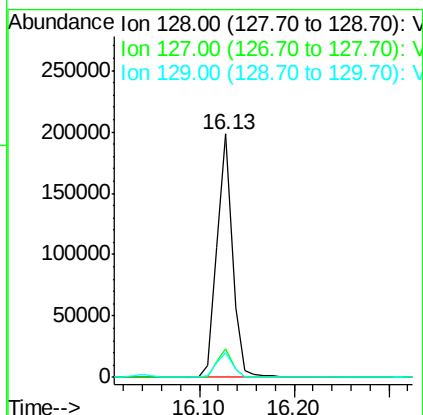
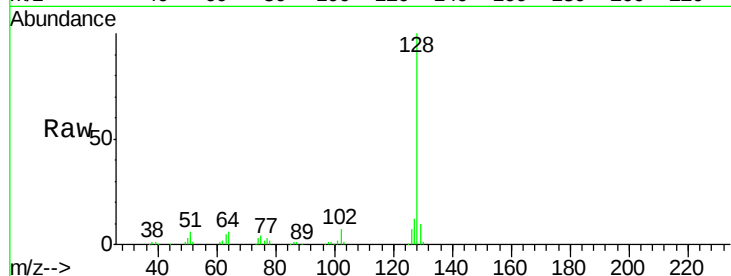




#95
Naphthalene
Concen: 27.832 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 226911
Ion Ratio Lower Upper
128 100
127 11.5 9.9 14.9
129 10.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 36.890 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061558.D
Acq: 3 Apr 2019 16:25

Tgt Ion:180 Resp: 86828
Ion Ratio Lower Upper
180 100
182 94.3 46.4 139.1
145 29.9 15.3 45.9

