

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061411.D
 Acq On : 29 Mar 2019 2:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 05:29:07 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	7.05	168	656964	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1145303	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	915679	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	422570	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	273378	48.71	ug/l	0.03
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	6.93	113	434819	49.68	ug/l	0.03
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	10.41	98	965855	46.01	ug/l	0.03
Spiked Amount			Recovery	=	92.02%	
62) 4-Bromofluorobenzene	13.56	95	393054	48.83	ug/l	0.01
Spiked Amount			Recovery	=	97.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	350769	49.995	ug/l	98
3) Chloromethane	1.77	50	253596	44.319	ug/l	96
4) Vinyl Chloride	1.87	62	256491	48.820	ug/l	99
5) Bromomethane	2.17	94	58340	55.998	ug/l	95
6) Chloroethane	2.28	64	93459	60.660	ug/l	95
7) Trichlorofluoromethane	2.55	101	393573	51.516	ug/l	98
8) Diethyl Ether	2.88	74	137598	55.940	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	407144	49.571	ug/l	96
10) Methyl Iodide	3.33	142	644519	51.506	ug/l	97
11) Tert butyl alcohol	4.07	59	90038	257.619	ug/l	98
12) 1,1-Dichloroethene	3.15	96	352931	50.050	ug/l	94
13) Acrolein	3.05	56	52452	191.623	ug/l	92
14) Allyl chloride	3.64	41	558445	56.779	ug/l	95
15) Acrylonitrile	4.20	53	355531	293.089	ug/l	99
16) Acetone	3.23	43	344450	238.759	ug/l	99
17) Carbon Disulfide	3.40	76	1125934	49.144	ug/l	100
18) Methyl Acetate	3.65	43	171633	56.583	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	682894	55.946	ug/l	97
20) Methylene Chloride	3.83	84	443847	55.116	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	402153	52.823	ug/l	97
22) Diisopropyl ether	5.13	45	1202239	57.763	ug/l	97
23) Vinyl Acetate	5.07	43	3091323	273.433	ug/l	99
24) 1,1-Dichloroethane	5.00	63	685859	56.072	ug/l	99
25) 2-Butanone	6.07	43	467201	257.446	ug/l	99
26) 2,2-Dichloropropane	6.03	77	488687	50.259	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	459550	55.094	ug/l	93
28) Bromochloromethane	6.45	49	265141	53.699	ug/l #	99
29) Tetrahydrofuran	6.46	42	251661	286.108	ug/l	99
30) Chloroform	6.67	83	687356	54.385	ug/l	99
31) Cyclohexane	6.96	56	504941	52.239	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	564970	50.669	ug/l	99
36) 1,1-Dichloropropene	7.15	75	498997	49.920	ug/l	96
37) Ethyl Acetate	6.18	43	232791	54.454	ug/l	99
38) Carbon Tetrachloride	7.12	117	561120	48.851	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	510913	49.076	ug/l	96
40) Benzene	7.46	78	1266337	50.478	ug/l	98
41) Methacrylonitrile	6.45	41	273154	54.647	ug/l	96
42) 1,2-Dichloroethane	7.59	62	409308	54.544	ug/l	99
43) Isopropyl Acetate	9.24	43	328820	52.864	ug/l #	95
44) Trichloroethene	8.54	130	492529	52.756	ug/l	96
45) 1,2-Dichloropropane	8.94	63	336254	52.859	ug/l	100
46) Dibromomethane	9.07	93	240550	56.182	ug/l	99
47) Bromodichloromethane	9.37	83	539727	56.163	ug/l	96
48) Methyl methacrylate	9.13	41	194587	56.685	ug/l	97
49) 1,4-Dioxane	9.09	88	42985	1135.270	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	1063266	280.972	ug/l	98
52) Toluene	10.51	92	776051	50.706	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	469996	53.830	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	571148	53.722	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	279756	52.267	ug/l	98
56) Ethyl methacrylate	11.05	69	309507	53.827	ug/l	98
57) 1,3-Dichloropropane	11.41	76	417134	53.022	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	754581	269.472	ug/l	99
59) 2-Hexanone	11.53	43	741963	270.612	ug/l	99
60) Dibromochloromethane	11.68	129	426436	51.680	ug/l	99
61) 1,2-Dibromoethane	11.80	107	341004	55.019	ug/l	99
64) Tetrachloroethene	11.26	164	356318	49.582	ug/l	96
65) Chlorobenzene	12.40	112	884012	47.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	376067	51.903	ug/l	98
67) Ethyl Benzene	12.52	91	1358900	47.575	ug/l	97
68) m/p-Xylenes	12.67	106	1066237	98.543	ug/l	97
69) o-Xylene	13.05	106	553250	52.691	ug/l	95
70) Styrene	13.07	104	1001852	54.736	ug/l	98
71) Bromoform	13.23	173	243817	53.084	ug/l	96
73) Isopropylbenzene	13.40	105	1465877	49.842	ug/l	98
74) N-amyl acetate	13.26	43	392913	47.958	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	313489	50.529	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	303572	49.732	ug/l	100
77) Bromobenzene	13.67	156	442530	50.755	ug/l	83
78) n-propylbenzene	13.77	91	1772992	49.261	ug/l	98
79) 2-Chlorotoluene	13.84	91	1000788	51.211	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1068149	46.809	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	100731	54.123	ug/l	93
82) 4-Chlorotoluene	13.95	91	1041542	49.016	ug/l	98
83) tert-Butylbenzene	14.19	119	1397554	49.007	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1246619	50.461	ug/l	100
85) sec-Butylbenzene	14.36	105	1423030	46.972	ug/l	98
86) p-Isopropyltoluene	14.49	119	1232217	48.100	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	680417	46.084	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	709930	49.306	ug/l	99
89) n-Butylbenzene	14.80	91	1149947	48.907	ug/l	99
90) Hexachloroethane	15.00	117	369225	51.017	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	646358	53.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39241	53.928	ug/l	95

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

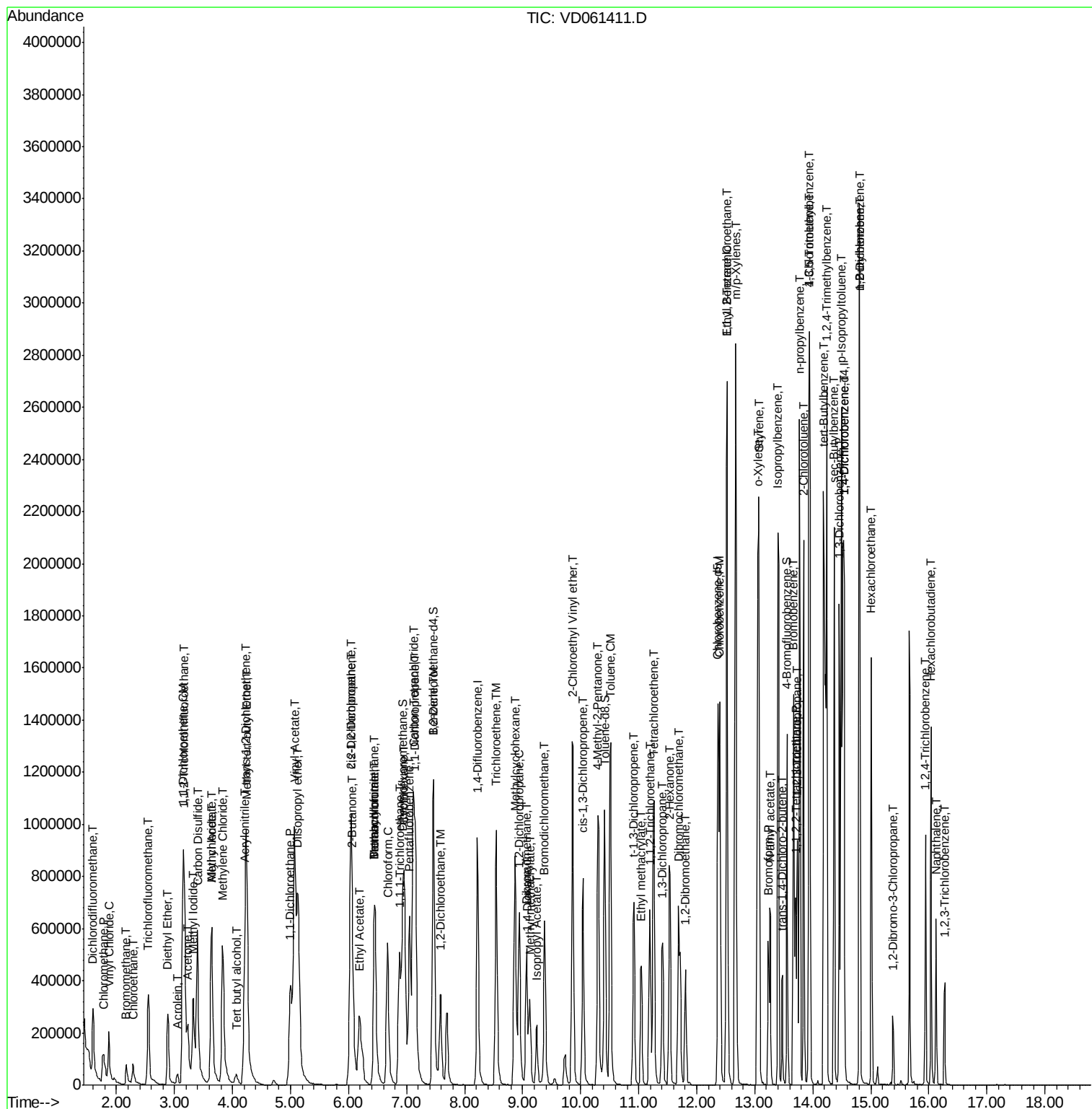
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	272605	49.413	ug/l	97
94) Hexachlorobutadiene	16.04	225	217655	50.488	ug/l	98
95) Naphthalene	16.12	128	415639	49.427	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	114133	47.014	ug/l	97

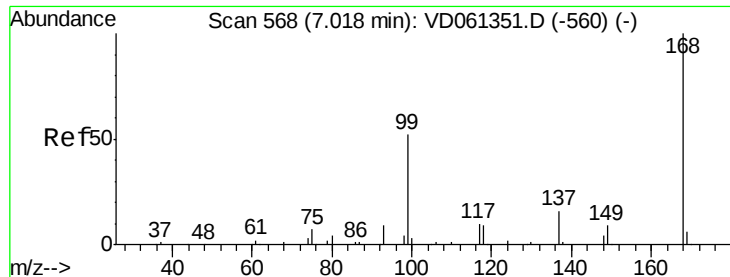
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032819\  
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Sample    : VSTDCCC050  
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 29 05:27:30 2019
Quant Method : Z:\VQASRV\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: 7.05 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

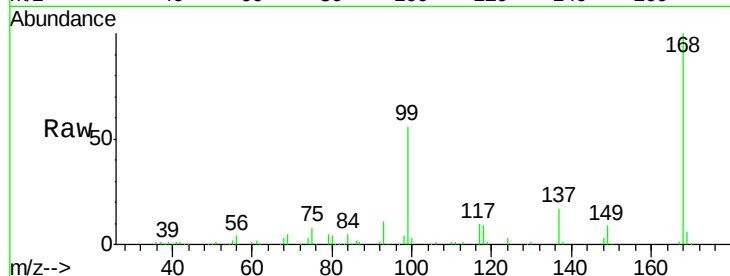
ClientSampleId :

Tot Ion:168 Resp: 656964

Ion Ratio Lower Upper

168 100

99 55.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

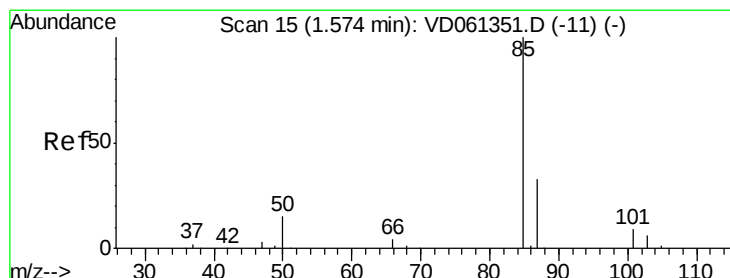
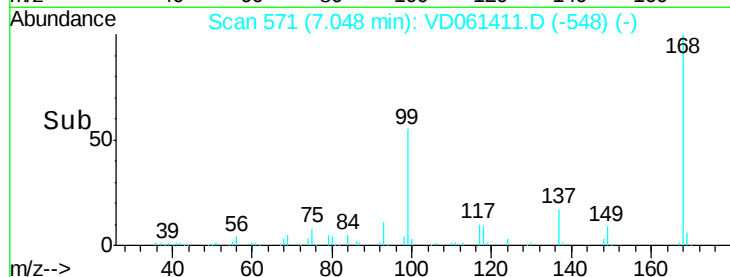
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.995 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061411.D

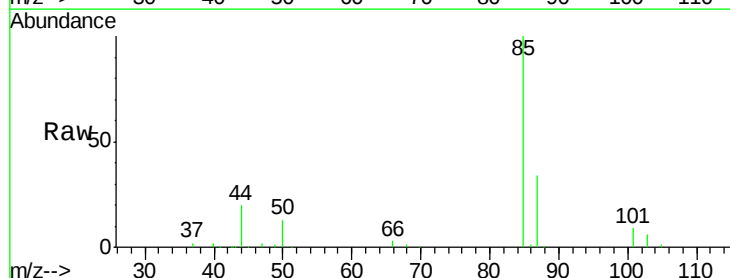
Acq: 29 Mar 2019 2:28

Tgt Ion: 85 Resp: 350769

Ion Ratio Lower Upper

85 100

87 34.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

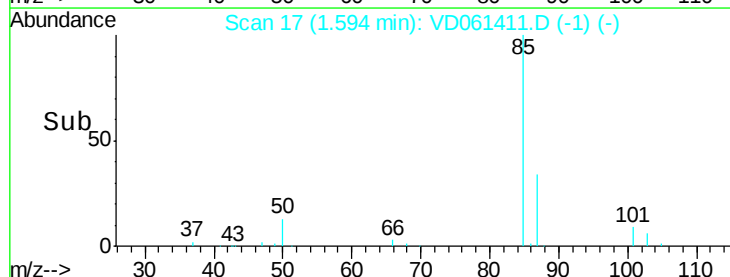
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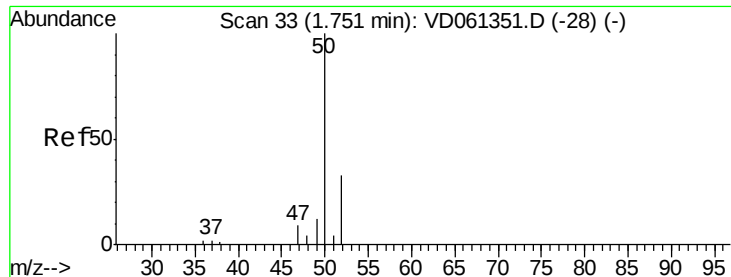
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.319 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

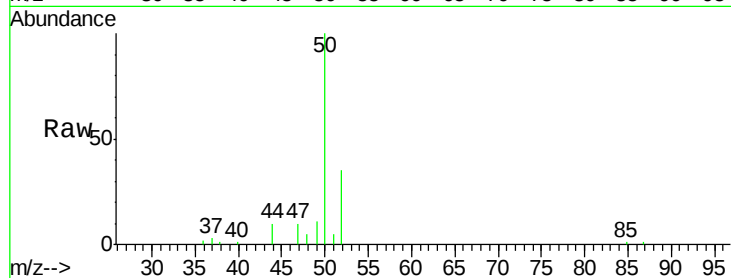
ClientSampleId :

Tot Ion: 50 Resp: 253596

Ion Ratio Lower Upper

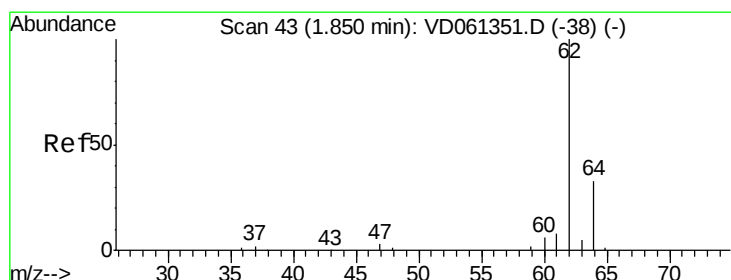
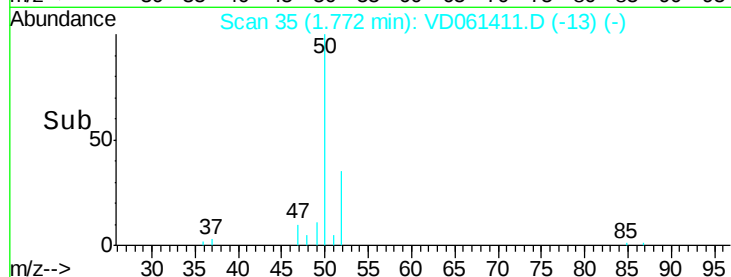
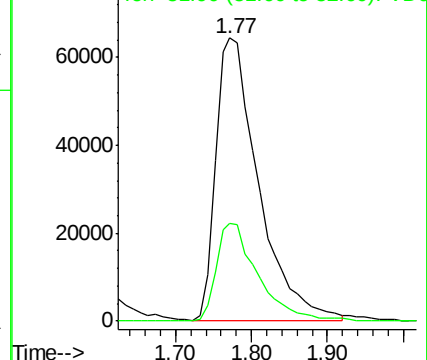
50 100

52 34.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.820 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061411.D

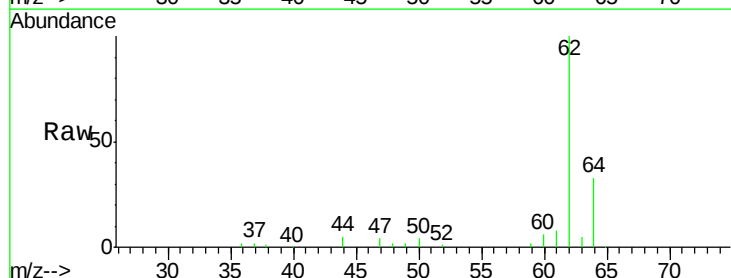
Acq: 29 Mar 2019 2:28

Tgt Ion: 62 Resp: 256491

Ion Ratio Lower Upper

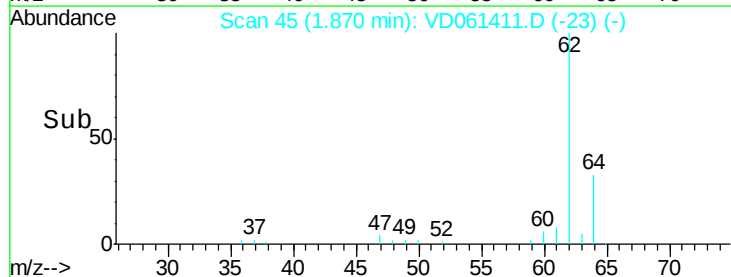
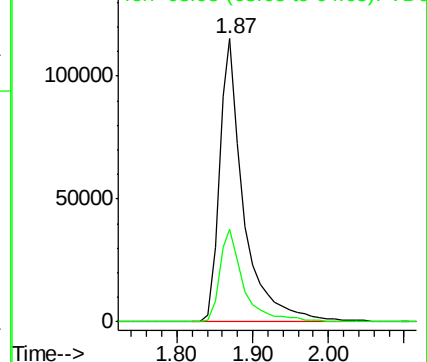
62 100

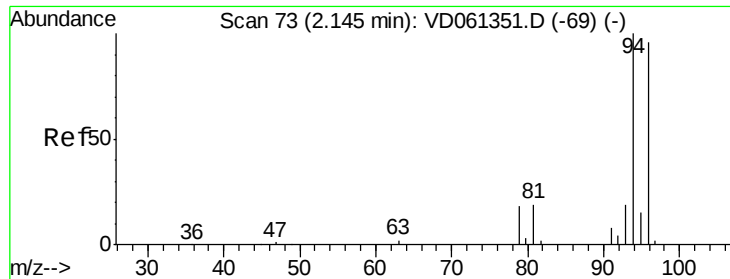
64 32.5 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

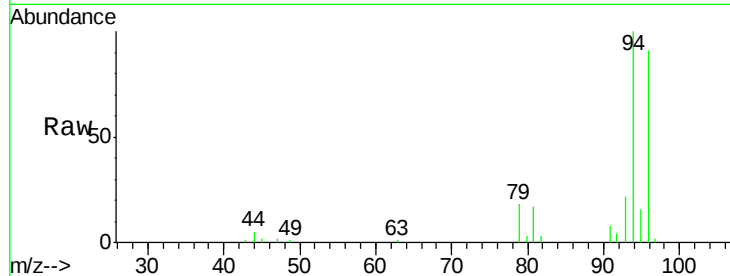




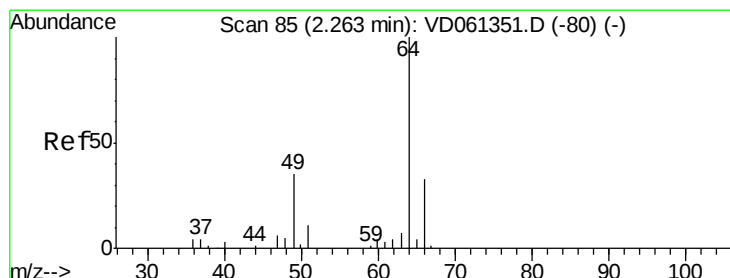
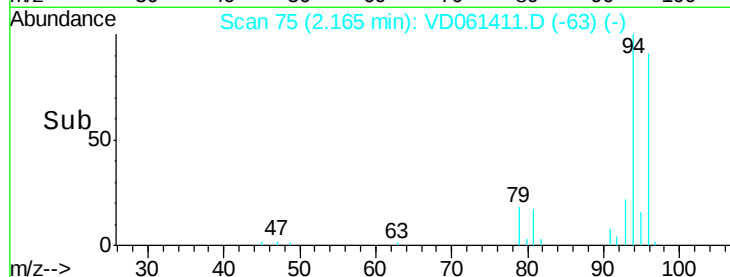
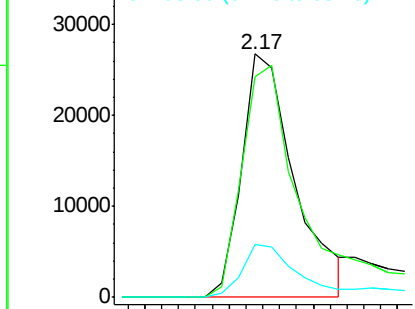
#5
Bromomethane
Concen: 55.998 ug/l
RT: 2.17 min Scan# 75
Delta R.T. 0.02 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 58340
Ion Ratio Lower Upper
94 100
96 92.6 78.3 117.5
93 21.9 15.6 23.4

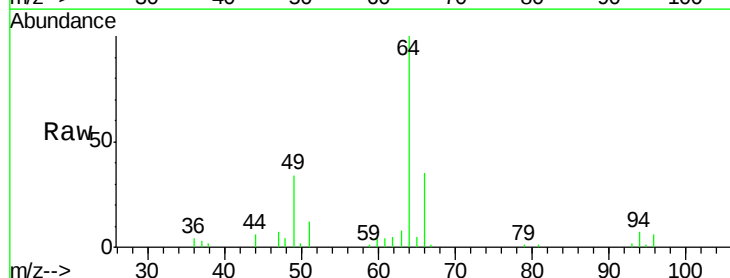


Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC

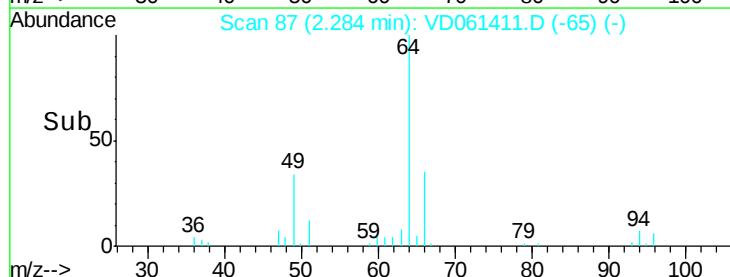
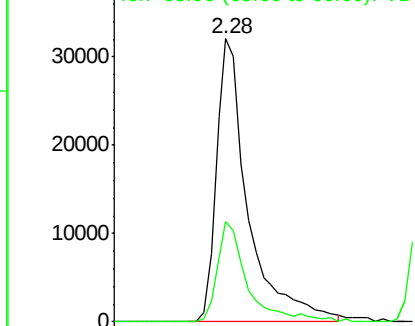


#6
Chloroethane
Concen: 60.660 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.02 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 64 Resp: 93459
Ion Ratio Lower Upper
64 100
66 35.4 26.2 39.2



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



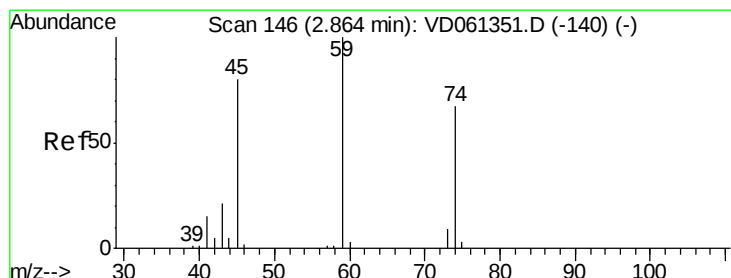
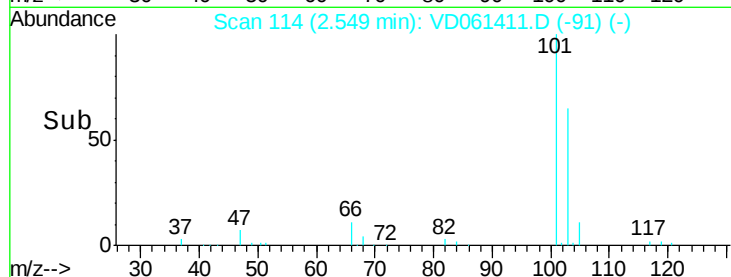
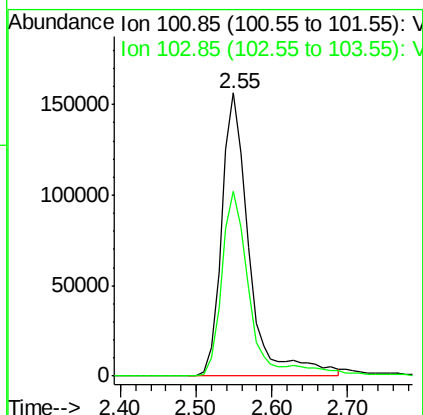
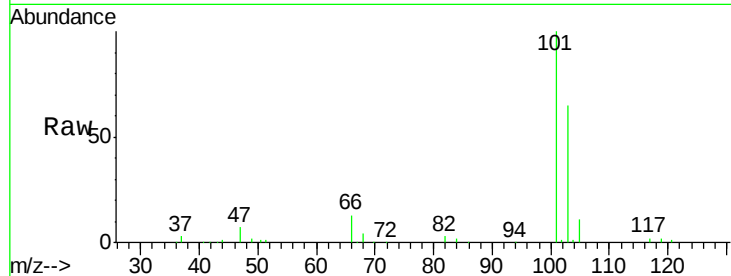


#7

Trichlorofluoromethane
Concen: 51.516 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

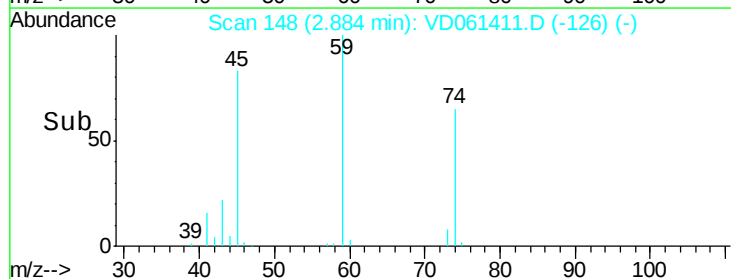
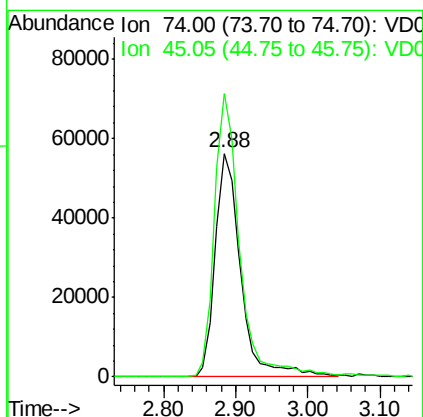
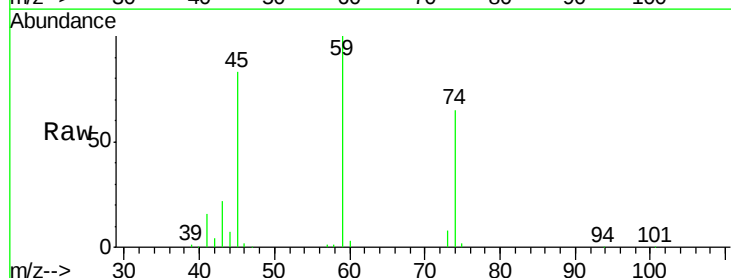
Tot Ion:101 Resp: 393573
Ion Ratio Lower Upper
101 100
103 65.2 53.1 79.7



#8

Diethyl Ether
Concen: 55.940 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 74 Resp: 137598
Ion Ratio Lower Upper
74 100
45 126.8 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.571 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

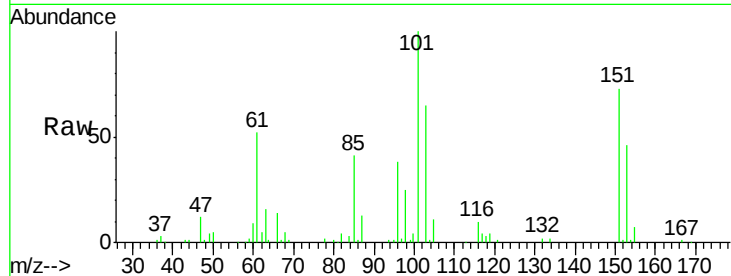
Tot Ion:101 Resp: 407144

Ion Ratio Lower Upper

101 100

85 41.4 29.4 44.0

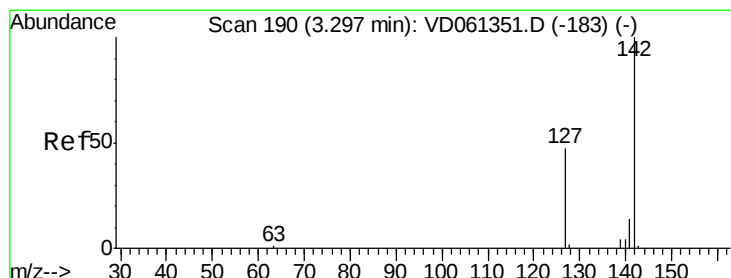
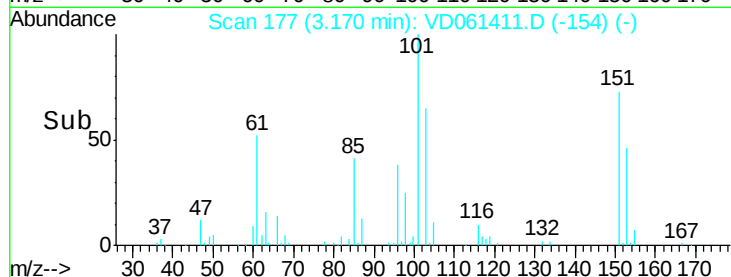
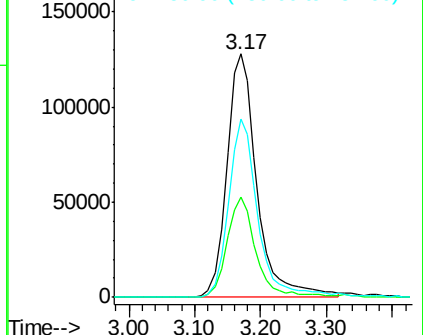
151 73.3 57.0 85.4



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: 51.506 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

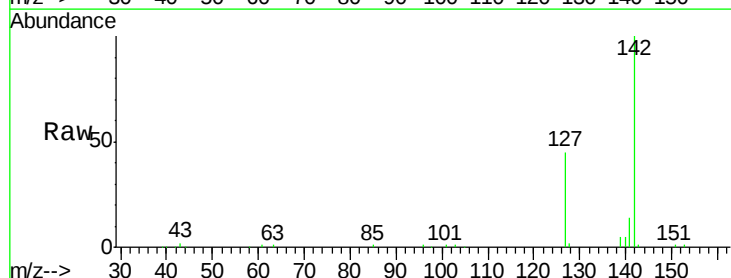
Tgt Ion:142 Resp: 644519

Ion Ratio Lower Upper

142 100

127 44.7 37.7 56.5

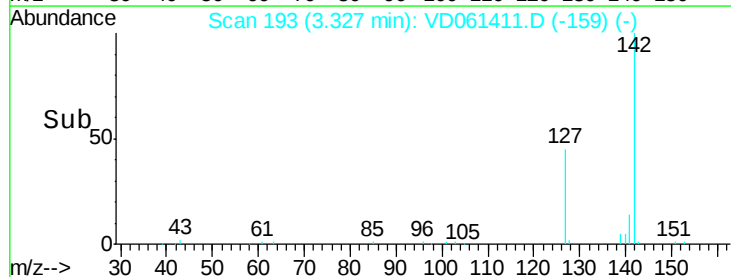
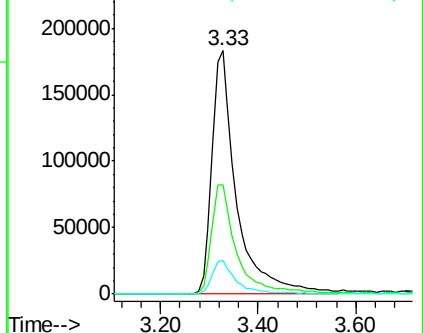
141 14.0 11.5 17.3

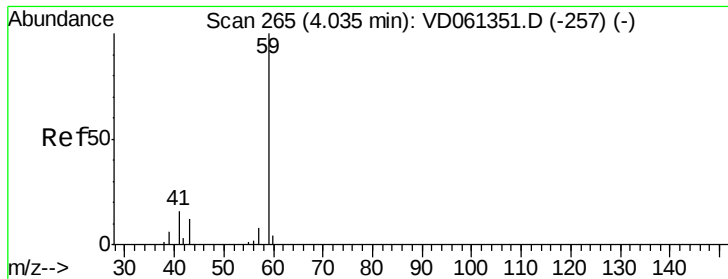


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



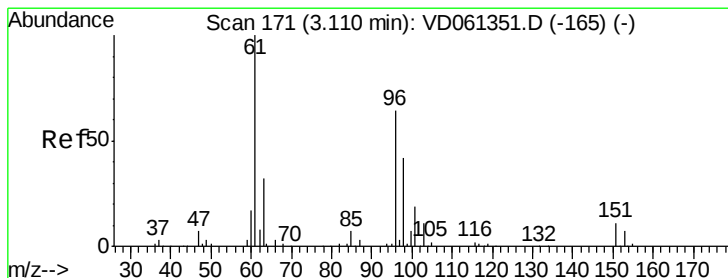
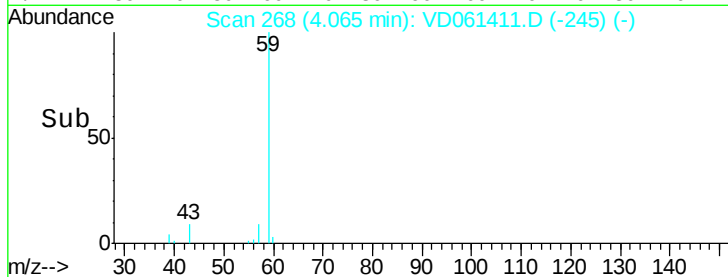
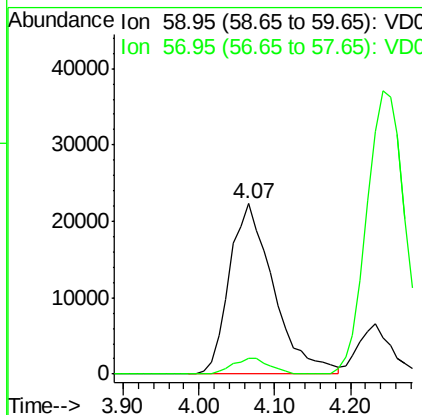
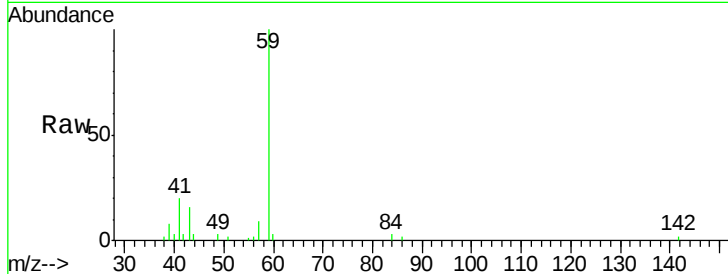


#11

Tert butyl alcohol
 Concen: 257.619 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.03 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Instrument :
 MSVOA_D
 ClientSampleId :

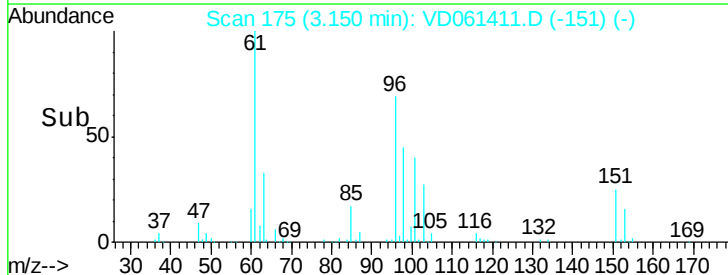
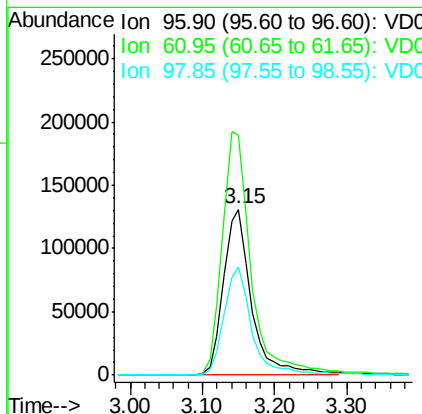
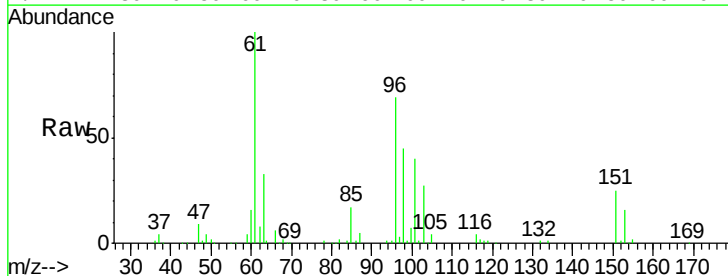
Tot Ion: 59 Resp: 90038
 Ion Ratio Lower Upper
 59 100
 57 9.2 6.7 10.1

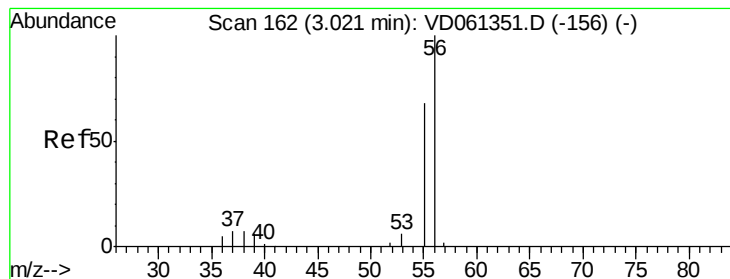


#12

1,1-Dichloroethene
 Concen: 50.050 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. 0.04 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Tgt Ion: 96 Resp: 352931
 Ion Ratio Lower Upper
 96 100
 61 144.9 124.9 187.3
 98 64.8 52.5 78.7





#13

Acrolein

Concen: 191.623 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

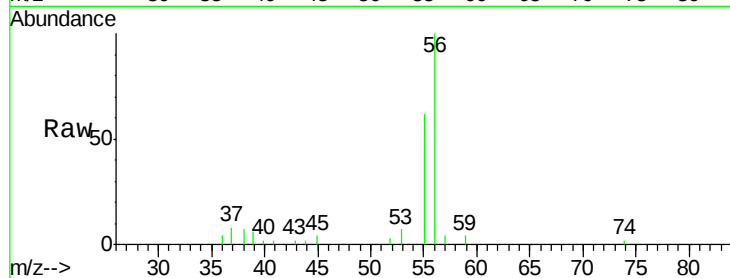
ClientSampleId :

Tot Ion: 56 Resp: 52452

Ion Ratio Lower Upper

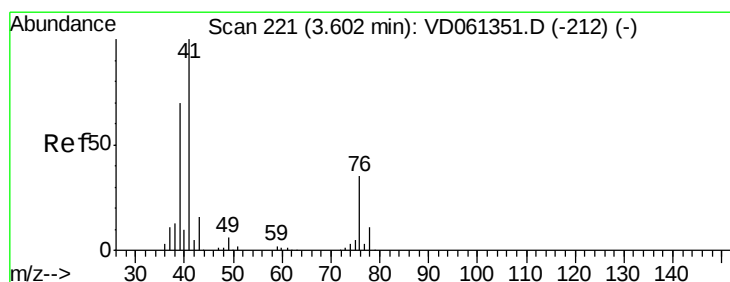
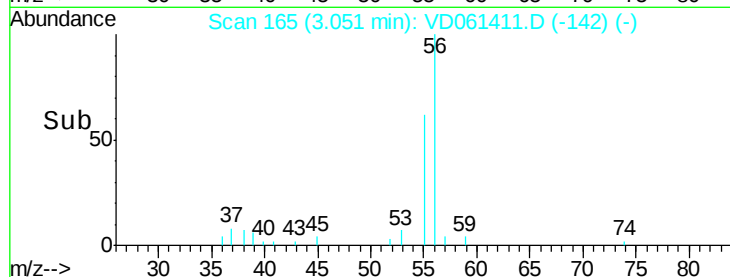
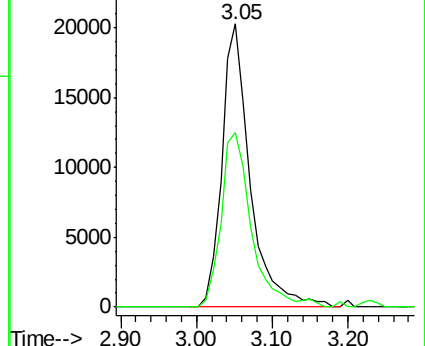
56 100

55 61.8 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: 56.779 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

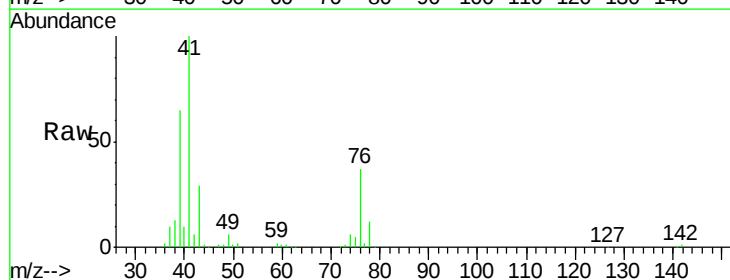
Tgt Ion: 41 Resp: 558445

Ion Ratio Lower Upper

41 100

39 64.9 55.6 83.4

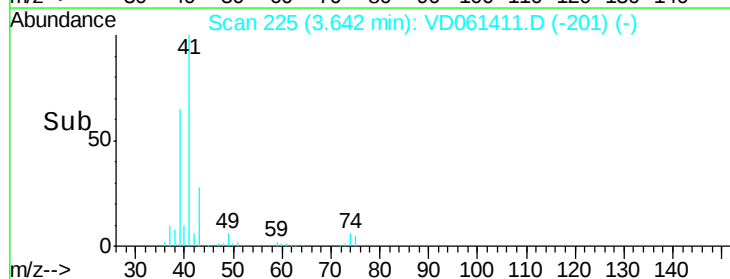
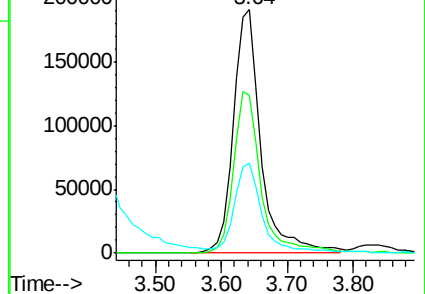
76 37.1 31.0 46.6

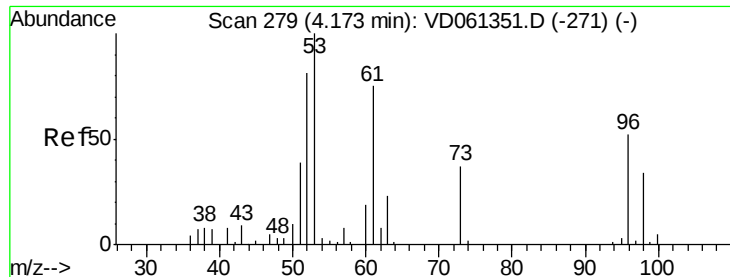


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 293.089 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

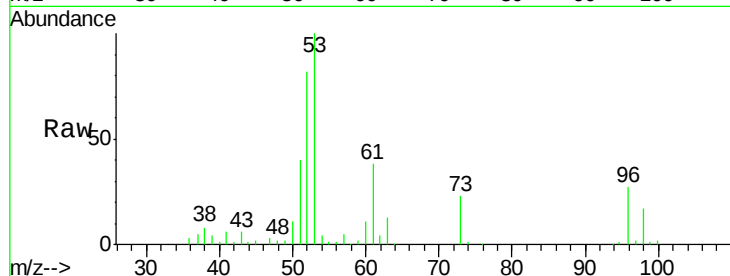
Tot Ion: 53 Resp: 355531

Ion Ratio Lower Upper

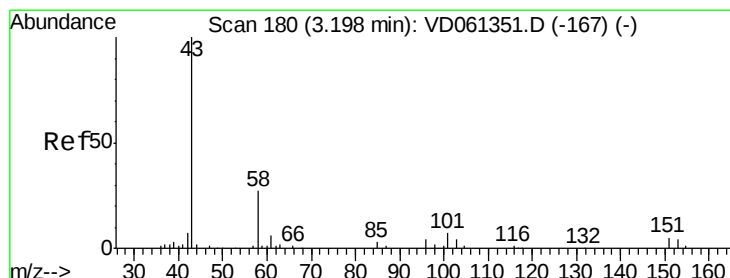
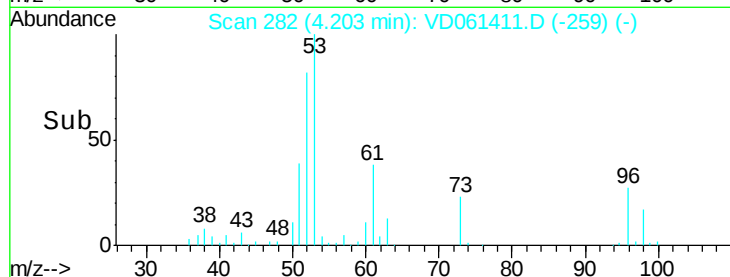
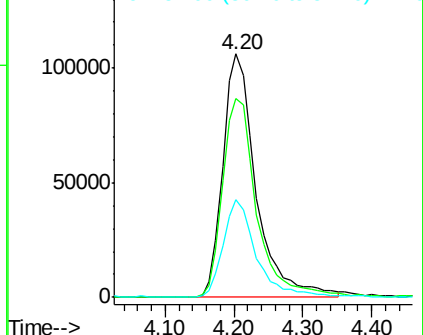
53 100

52 81.9 64.8 97.2

51 40.2 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: 238.759 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061411.D

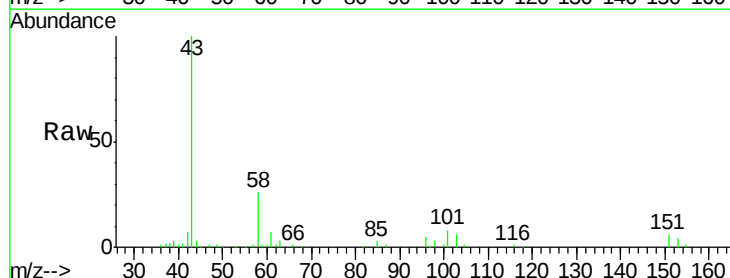
Acq: 29 Mar 2019 2:28

Tgt Ion: 43 Resp: 344450

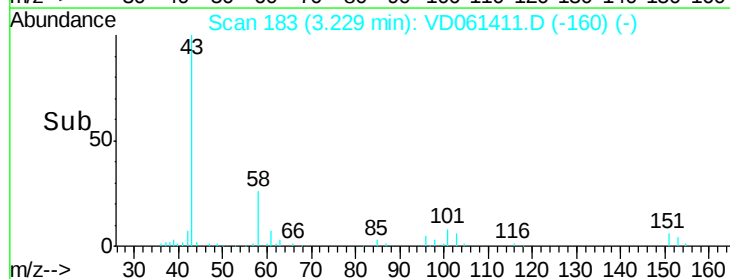
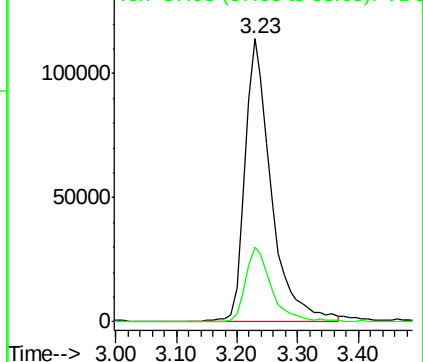
Ion Ratio Lower Upper

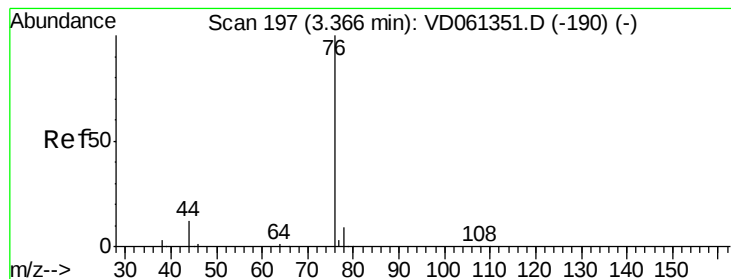
43 100

58 26.2 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: 49.144 ug/l

RT: 3.40 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

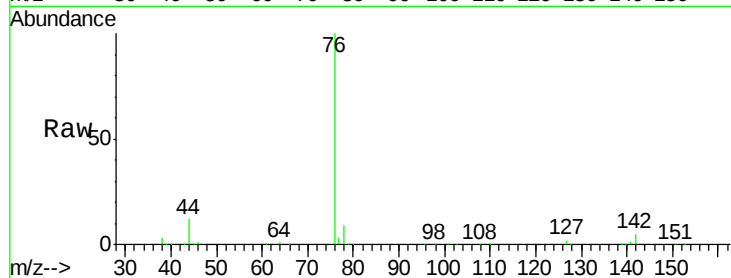
ClientSampleId :

Tot Ion: 76 Resp: 1125934

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.40

400000

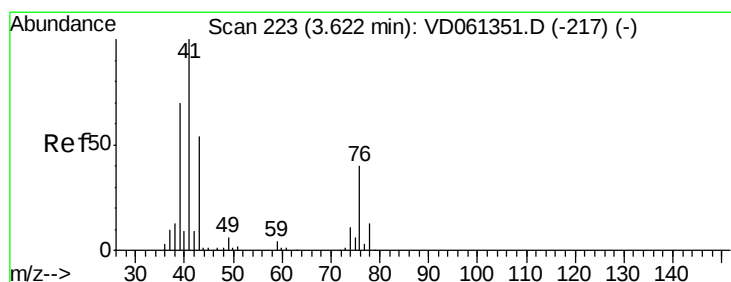
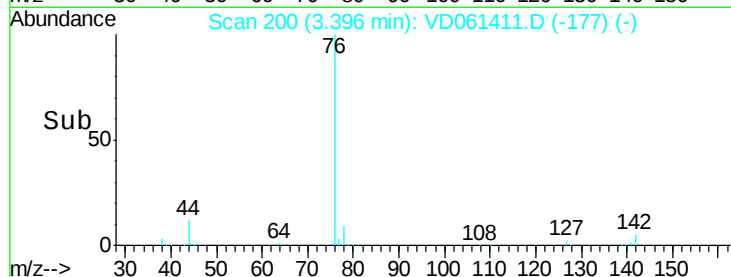
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 56.583 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD061411.D

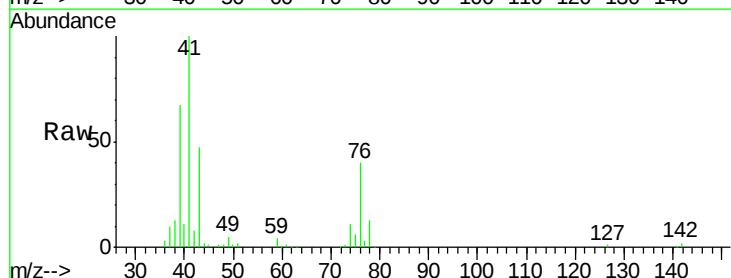
Acq: 29 Mar 2019 2:28

Tgt Ion: 43 Resp: 171633

Ion Ratio Lower Upper

43 100

74 23.1 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

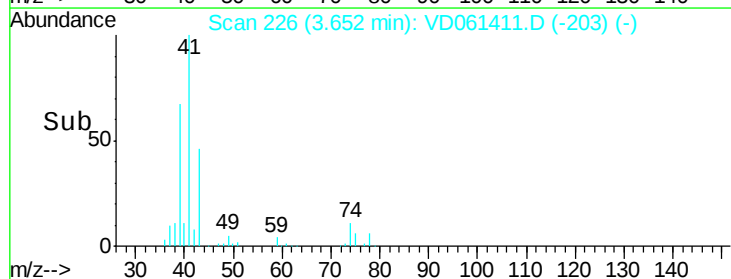
60000

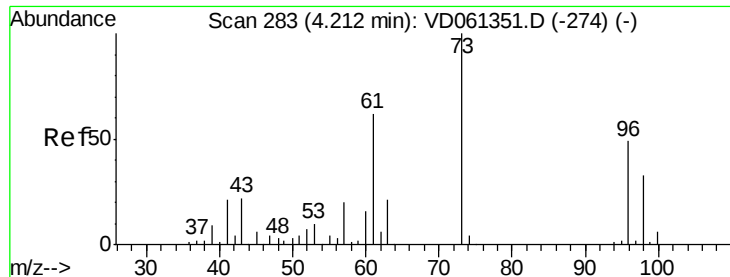
40000

20000

0

Time-->

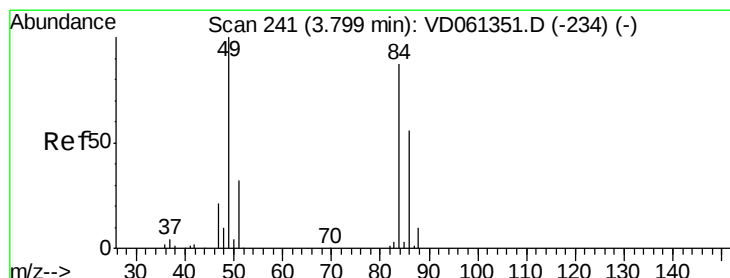
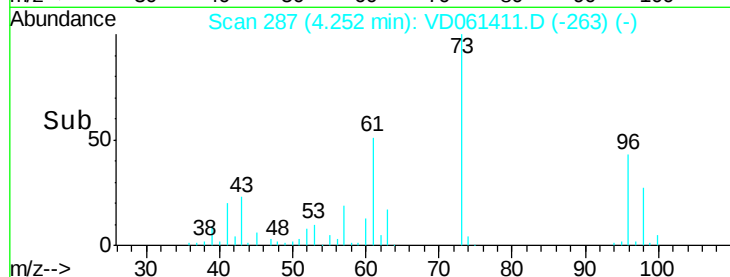
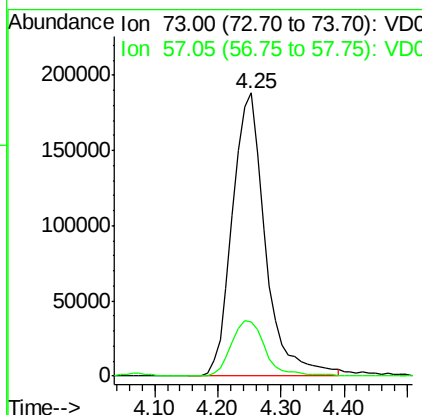
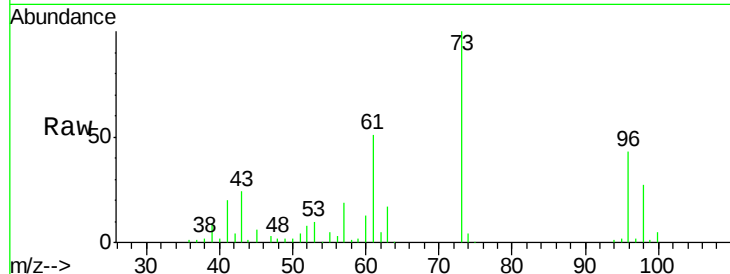




#19
Methyl tert-butyl Ether
Concen: 55.946 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

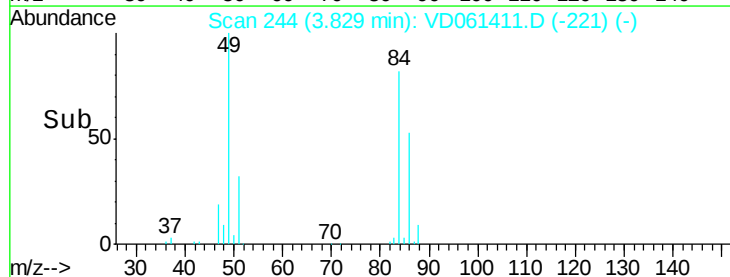
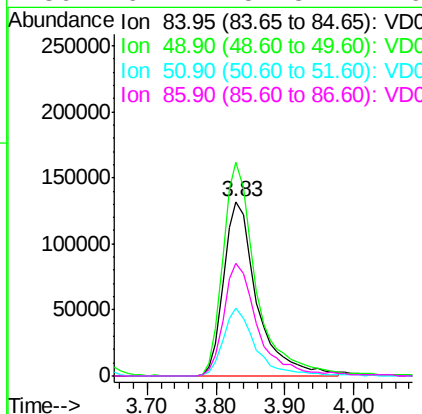
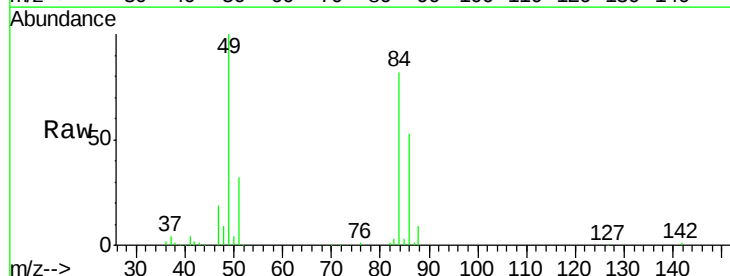
Instrument :
MSVOA_D
ClientSampled :

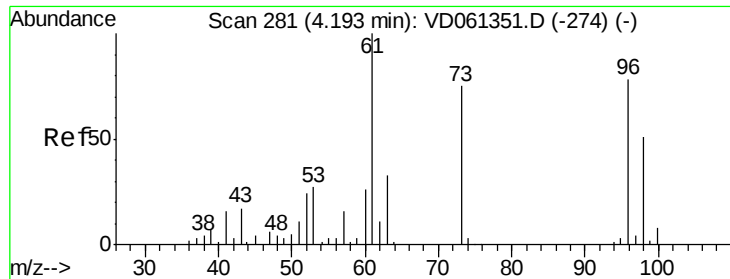
Tot Ion: 73 Resp: 682894
Ion Ratio Lower Upper
73 100
57 19.3 16.4 24.6



#20
Methylene Chloride
Concen: 55.116 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 84 Resp: 443847
Ion Ratio Lower Upper
84 100
49 122.4 91.8 137.8
51 39.0 29.8 44.8
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 52.823 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

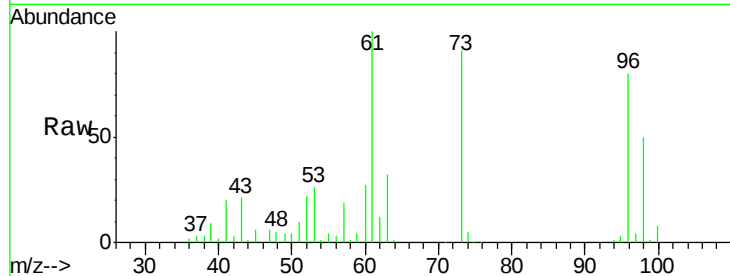
Tot Ion: 96 Resp: 402153

Ion Ratio Lower Upper

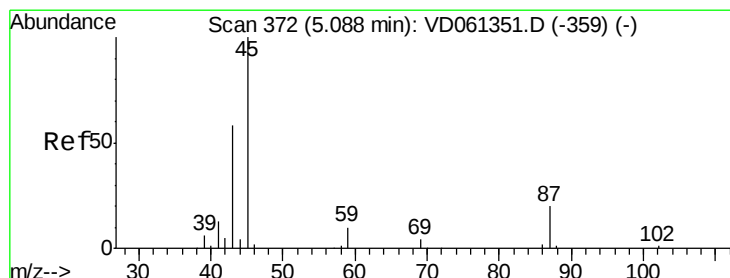
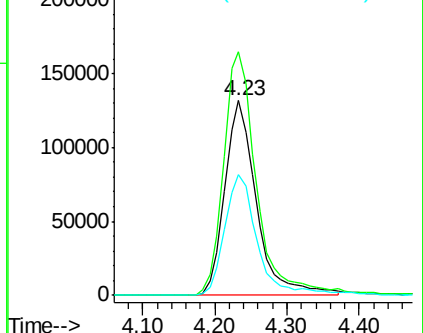
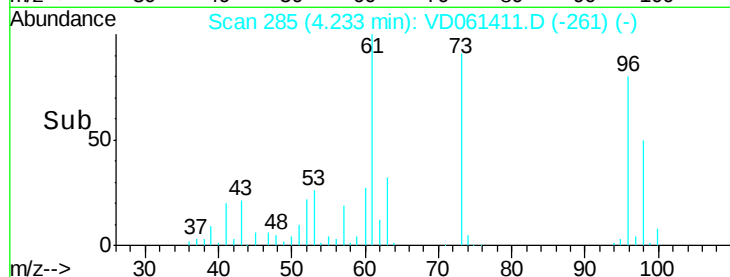
96 100

61 125.1 102.7 154.1

98 62.0 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: 57.763 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Tgt Ion: 45 Resp: 1202239

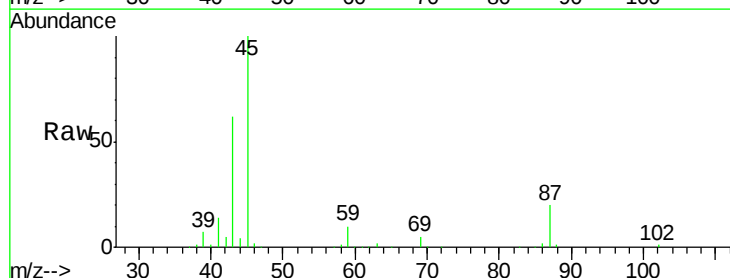
Ion Ratio Lower Upper

45 100

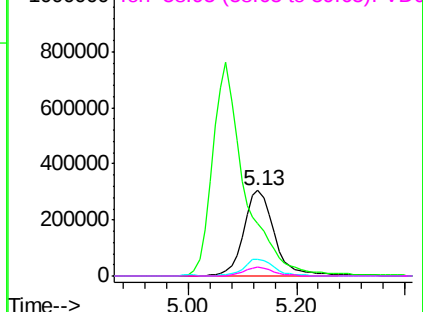
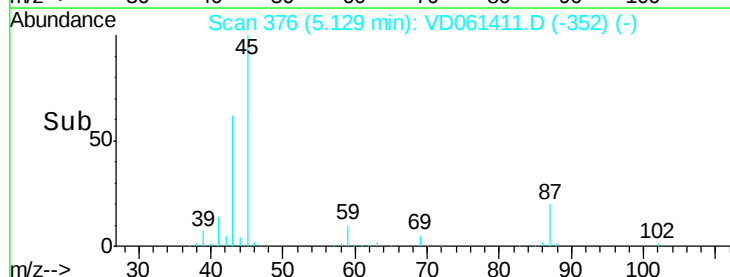
43 62.2 47.4 71.2

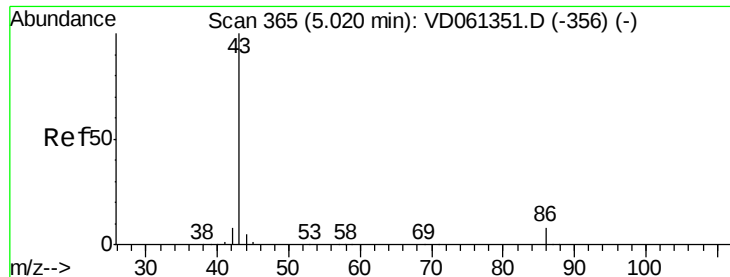
87 20.2 16.3 24.5

59 10.4 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: 273.433 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.05 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

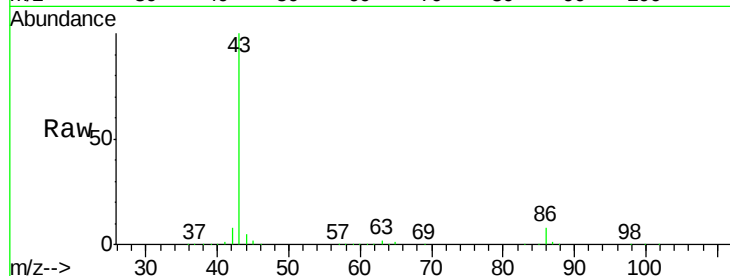
ClientSampleId :

Tot Ion: 43 Resp: 3091323

Ion Ratio Lower Upper

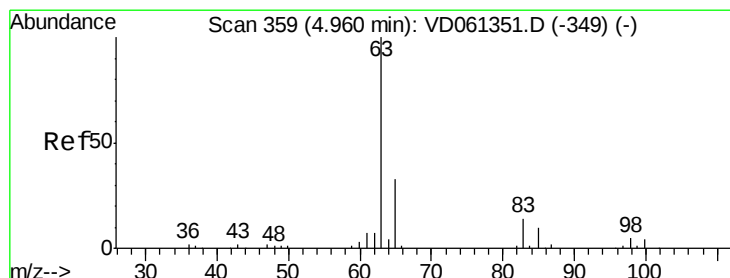
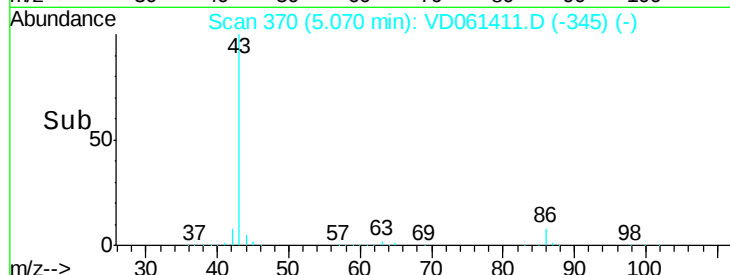
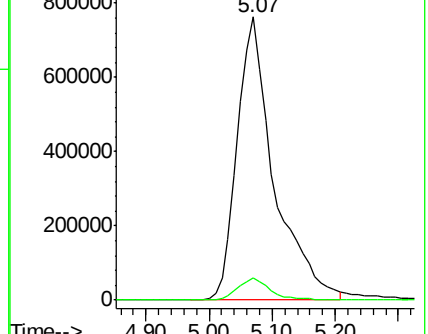
43 100

86 8.0 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: 56.072 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

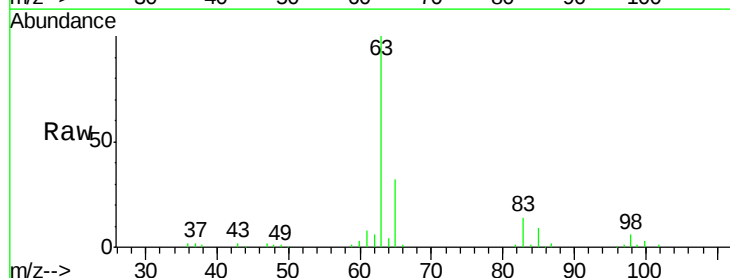
Tgt Ion: 63 Resp: 685859

Ion Ratio Lower Upper

63 100

98 5.8 2.6 8.0

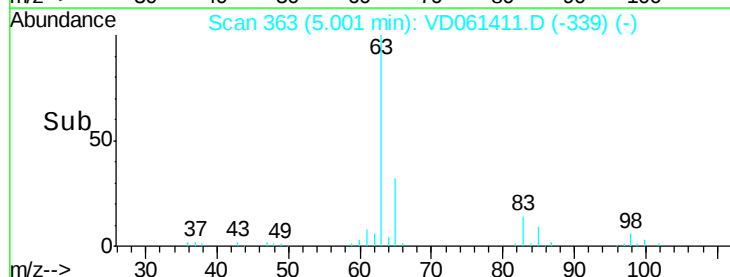
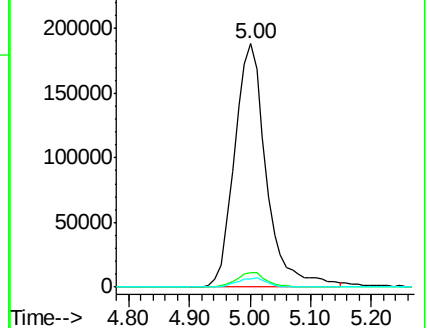
100 3.4 1.8 5.3



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: 257.446 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

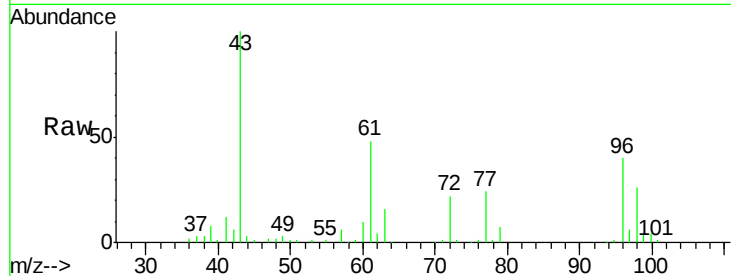
ClientSampleId :

Tot Ion: 43 Resp: 467201

Ion Ratio Lower Upper

43 100

72 21.9 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.07

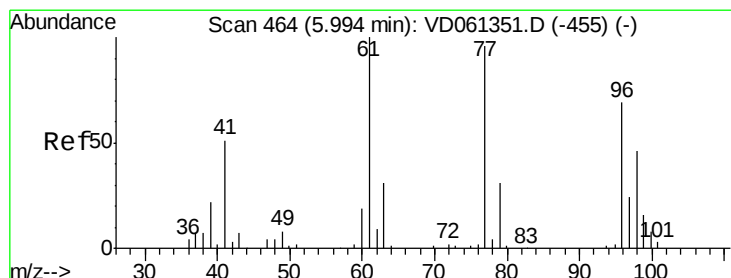
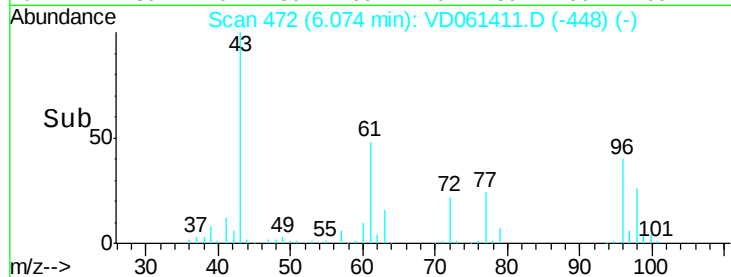
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.259 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.04 min

Lab File: VD061411.D

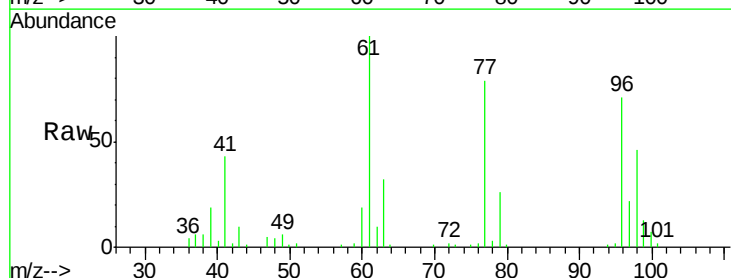
Acq: 29 Mar 2019 2:28

Tgt Ion: 77 Resp: 488687

Ion Ratio Lower Upper

77 100

97 27.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

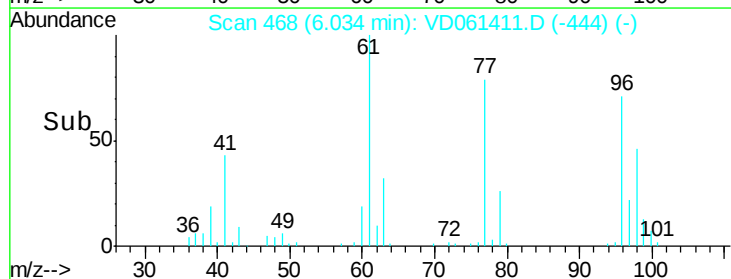
150000

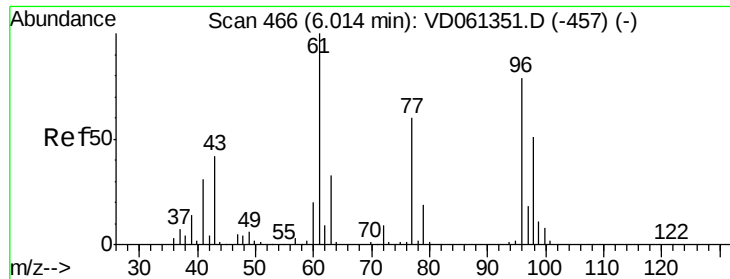
100000

50000

0

Time-->



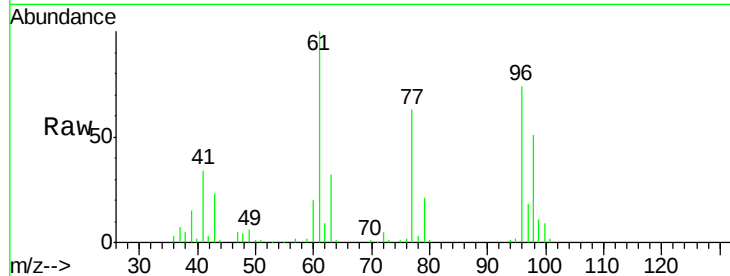


#27

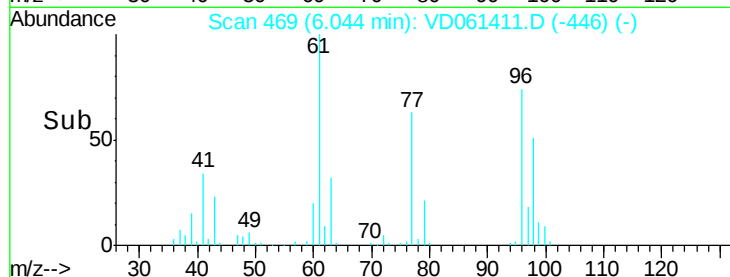
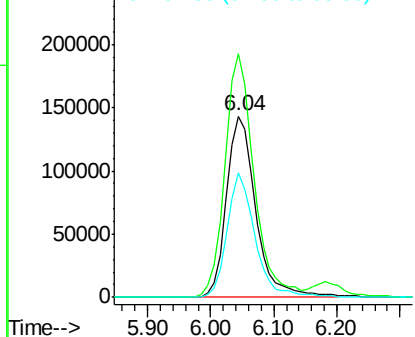
cis-1,2-Dichloroethene
Concen: 55.094 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 459550
Ion Ratio Lower Upper
96 100
61 134.5 0.0 251.6
98 68.5 0.0 129.2



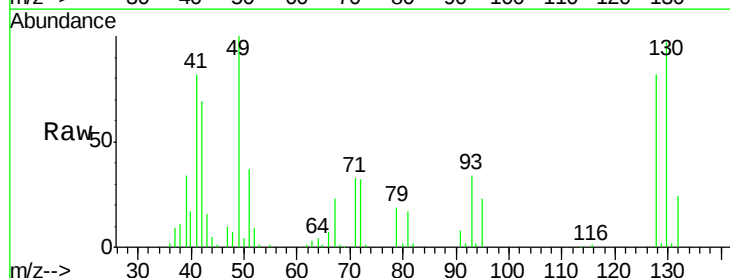
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



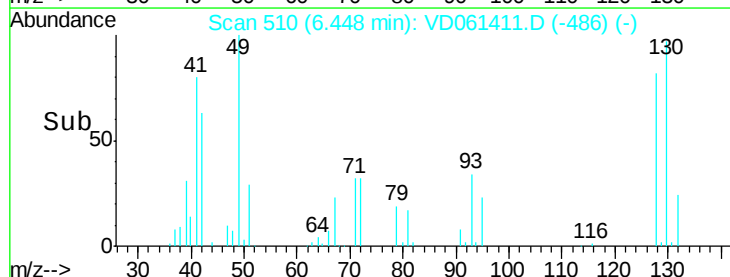
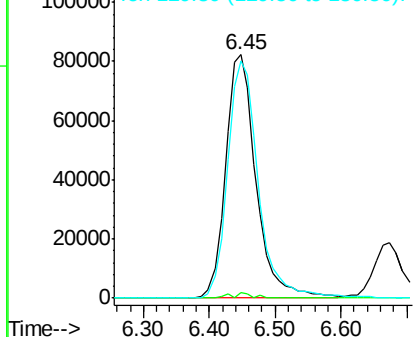
#28

Bromochloromethane
Concen: 53.699 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.04 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 49 Resp: 265141
Ion Ratio Lower Upper
49 100
129 2.5 0.0 0.0#
130 97.5 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

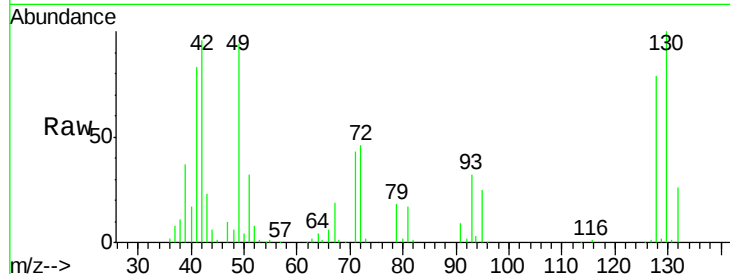




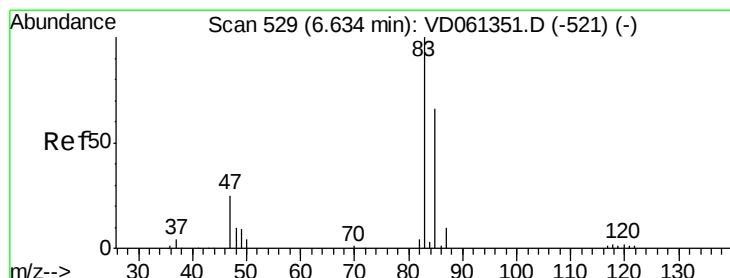
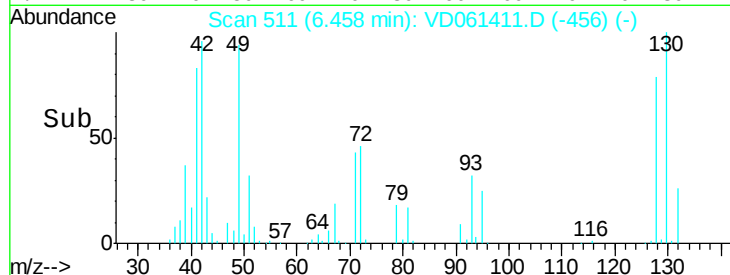
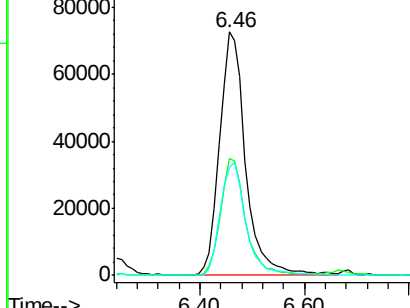
#29
Tetrahydrofuran
Concen: 286.108 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.4	56.0
71	45.4	36.7	55.1

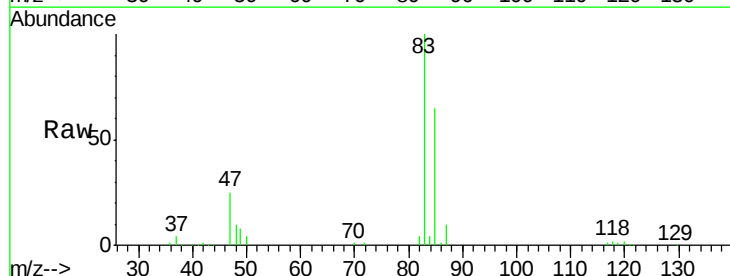


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

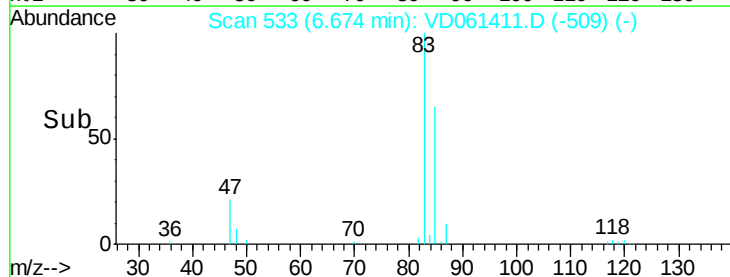
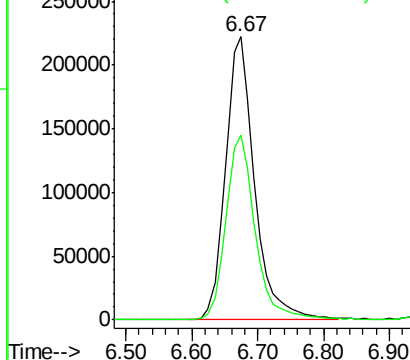


#30
Chloroform
Concen: 54.385 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.04 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.0	79.4



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





#31

Cyclohexane

Concen: 52.239 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

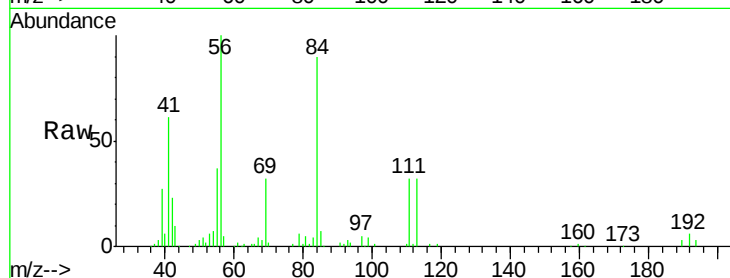
Tot Ion: 56 Resp: 504941

Ion Ratio Lower Upper

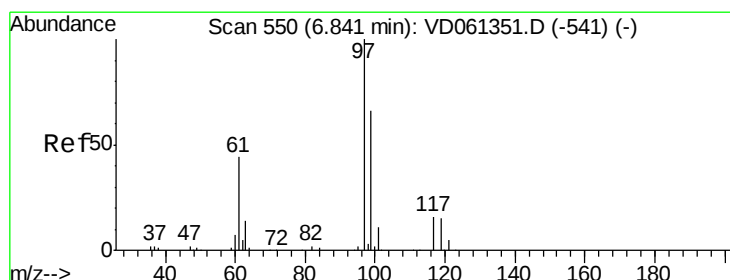
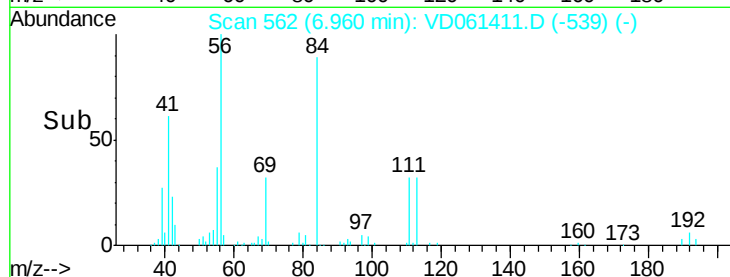
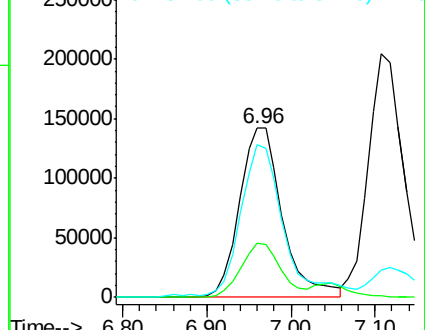
56 100

69 32.1 25.7 38.5

84 89.9 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: 50.669 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

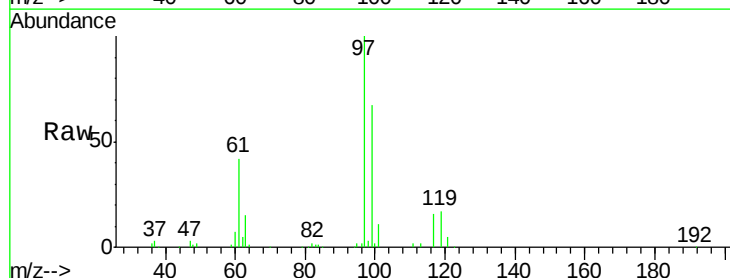
Tgt Ion: 97 Resp: 564970

Ion Ratio Lower Upper

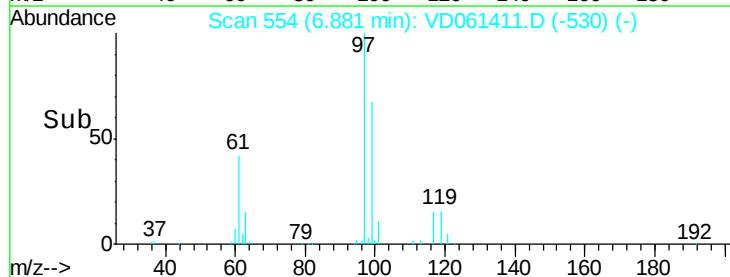
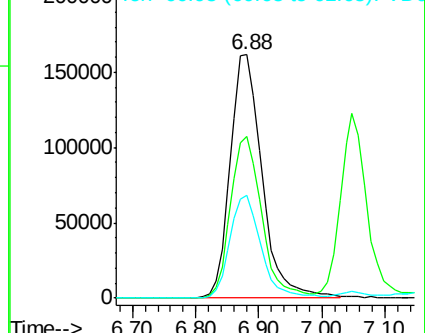
97 100

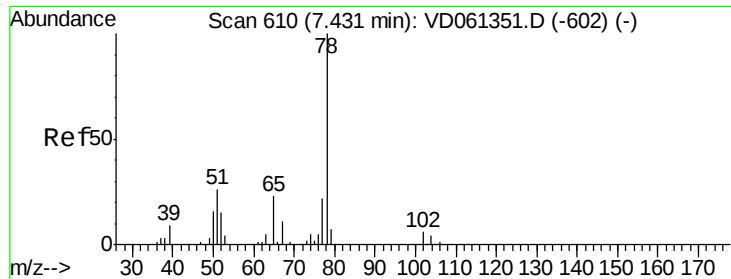
99 66.5 53.1 79.7

61 42.4 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 50.669 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

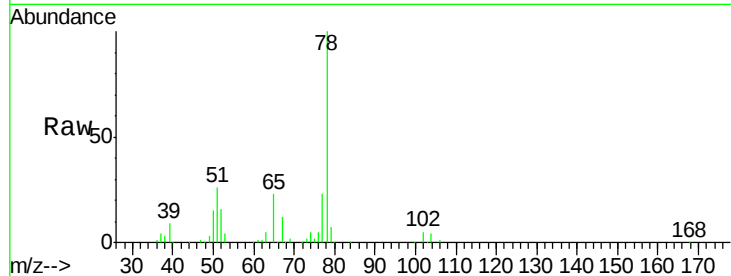
ClientSampled :

Tot Ion: 65 Resp: 273378

Ion Ratio Lower Upper

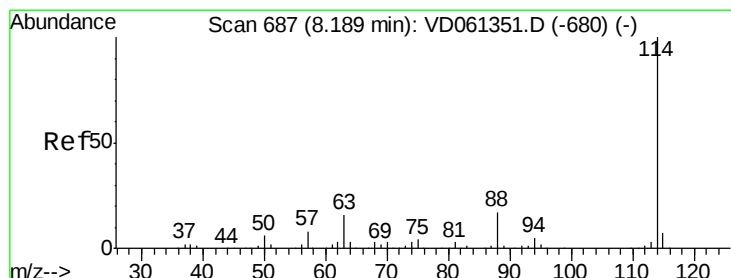
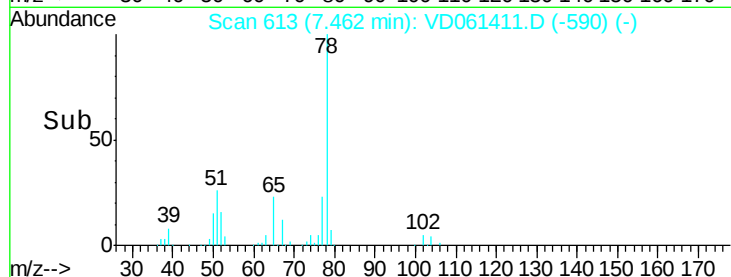
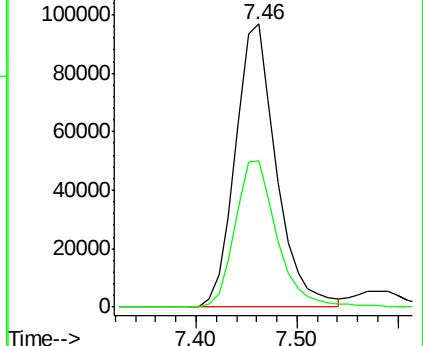
65 100

67 51.6 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

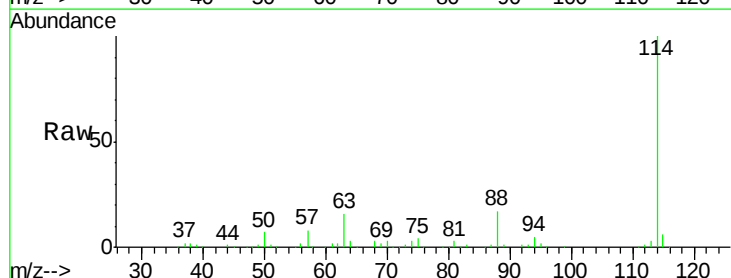
Tgt Ion:114 Resp: 1145303

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.6

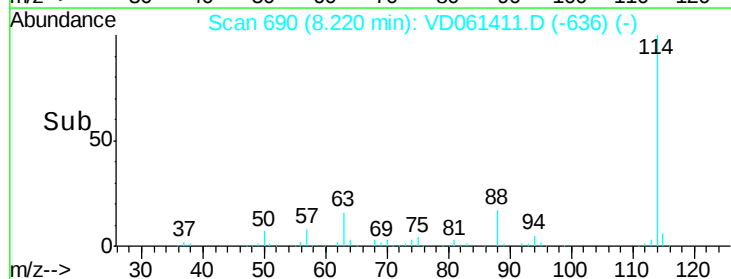
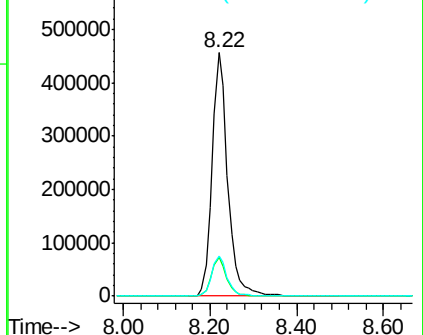
88 16.7 0.0 33.4

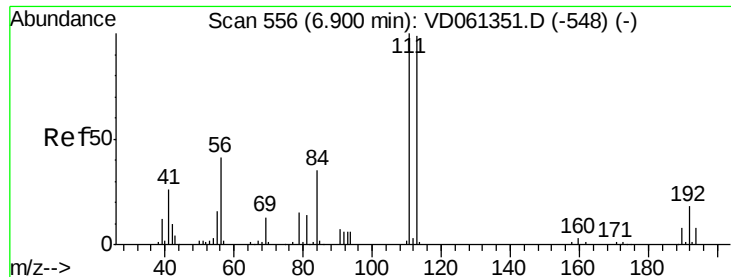


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

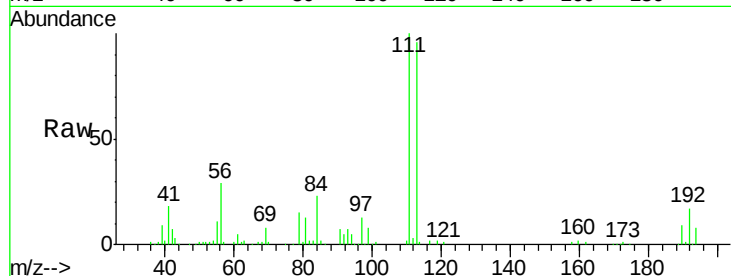
Tot Ion:113 Resp: 434819

Ion Ratio Lower Upper

113 100

111 104.4 81.0 121.6

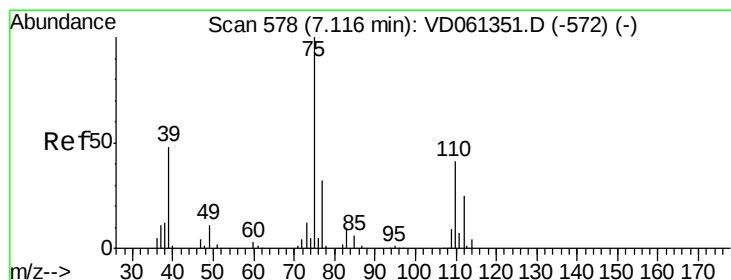
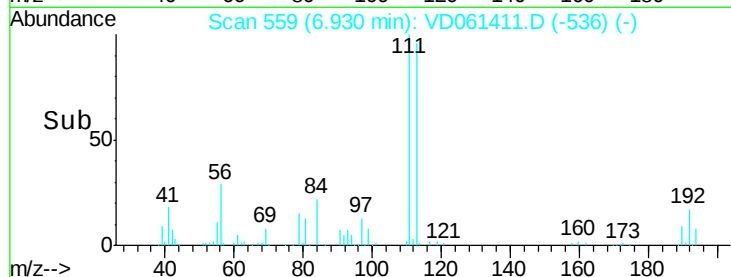
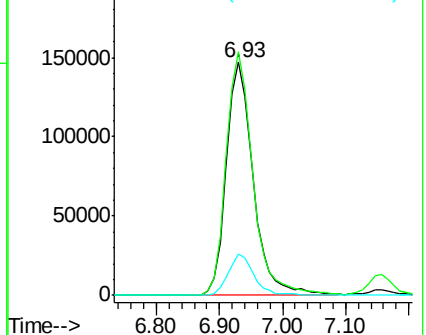
192 17.9 14.4 21.6



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: 49.920 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

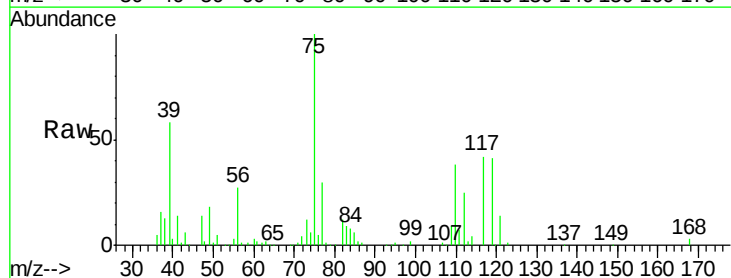
Tgt Ion: 75 Resp: 498997

Ion Ratio Lower Upper

75 100

110 37.6 20.4 61.3

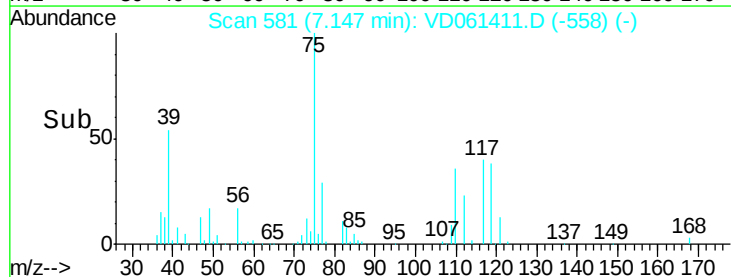
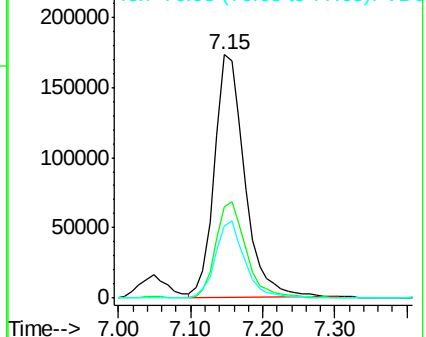
77 29.6 24.9 37.3

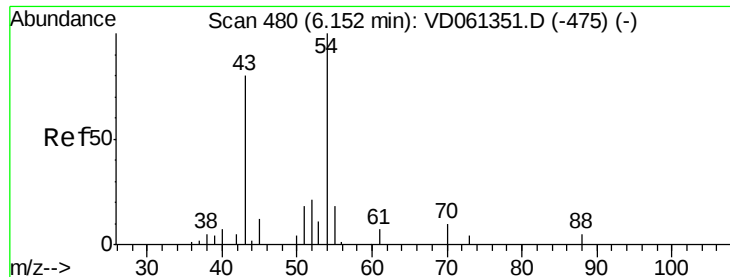


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

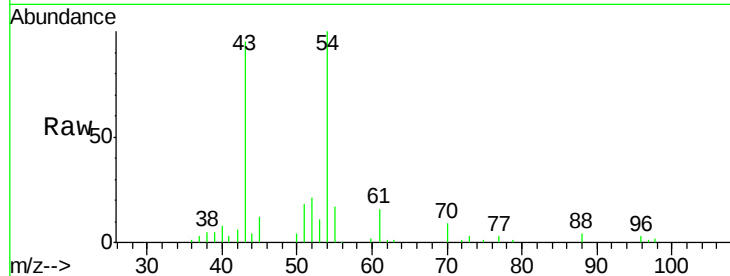




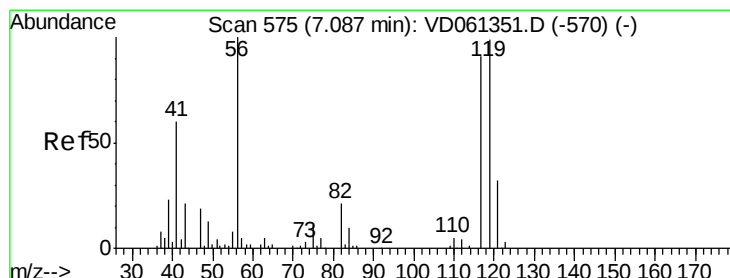
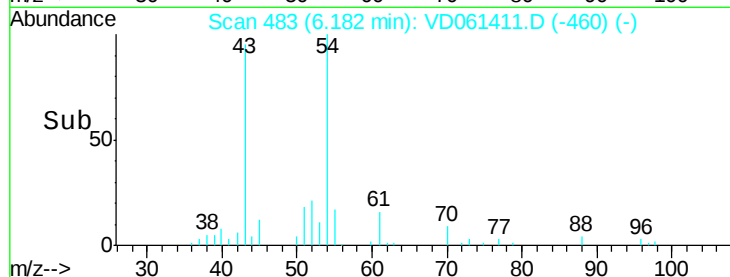
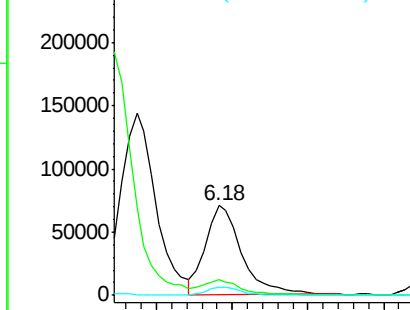
#37
Ethyl Acetate
Concen: 54.454 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 232791
Ion Ratio Lower Upper
43 100
61 17.3 13.8 20.8
70 9.2 7.8 11.8

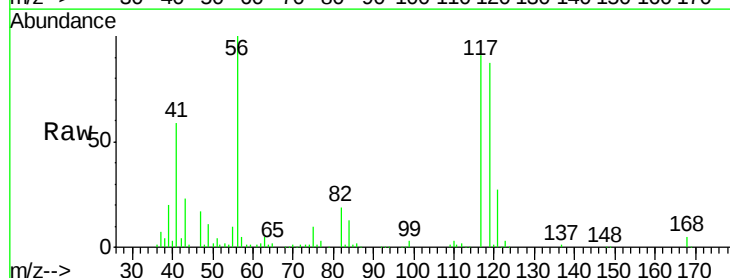


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

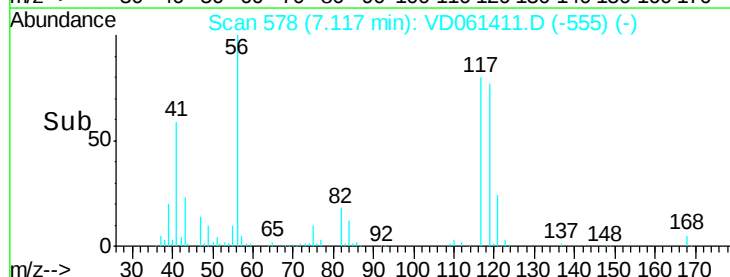
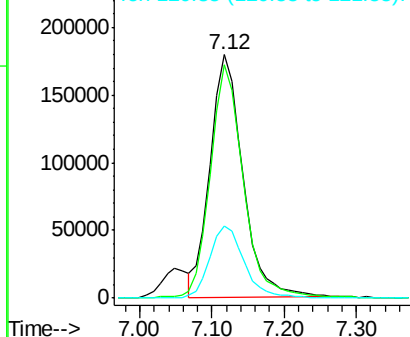


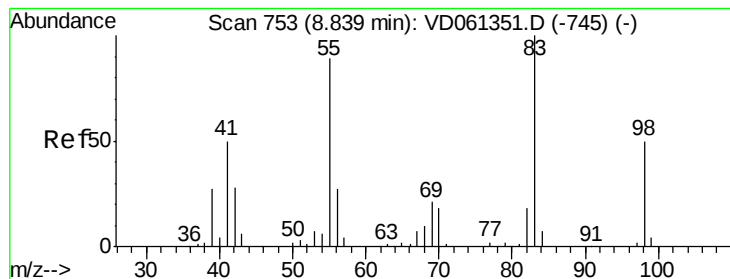
#38
Carbon Tetrachloride
Concen: 48.851 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 117 Resp: 561120
Ion Ratio Lower Upper
117 100
119 95.9 80.1 120.1
121 29.6 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: 49.076 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

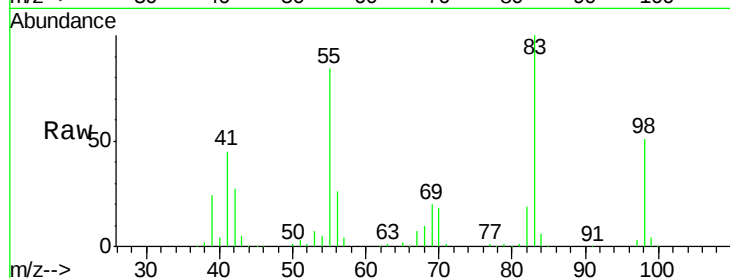
Tot Ion: 83 Resp: 510913

Ion Ratio Lower Upper

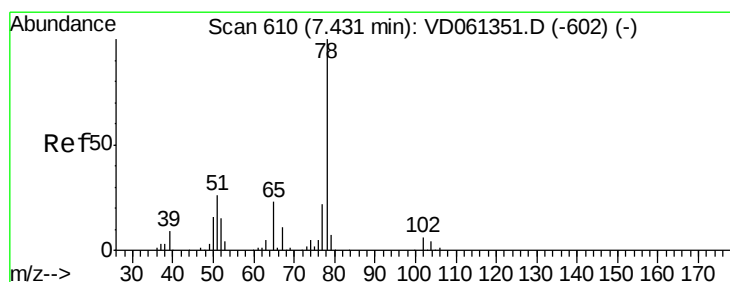
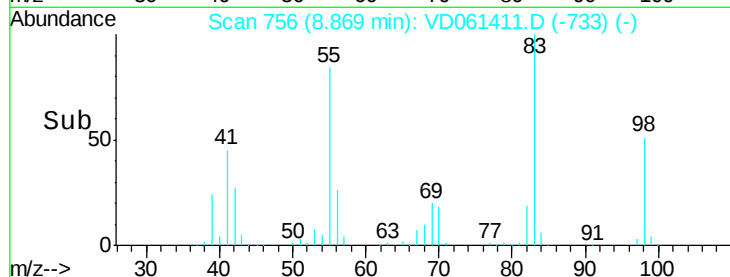
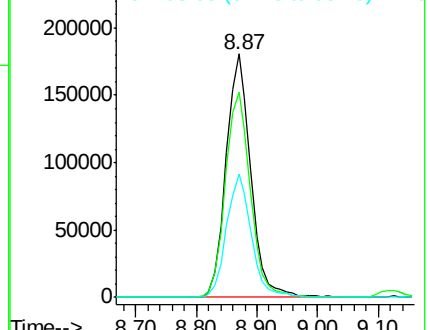
83 100

55 84.3 71.5 107.3

98 50.7 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: 50.478 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061411.D

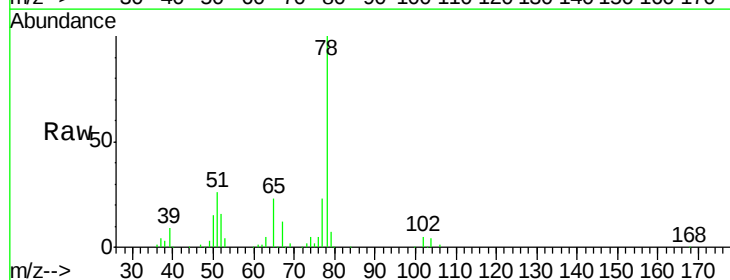
Acq: 29 Mar 2019 2:28

Tgt Ion: 78 Resp: 1266337

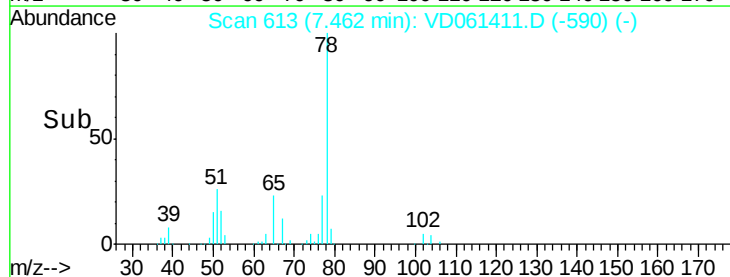
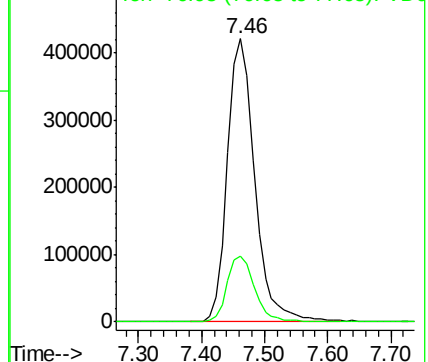
Ion Ratio Lower Upper

78 100

77 23.4 17.8 26.6



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

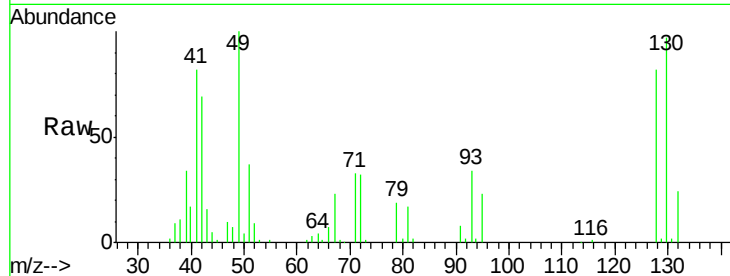




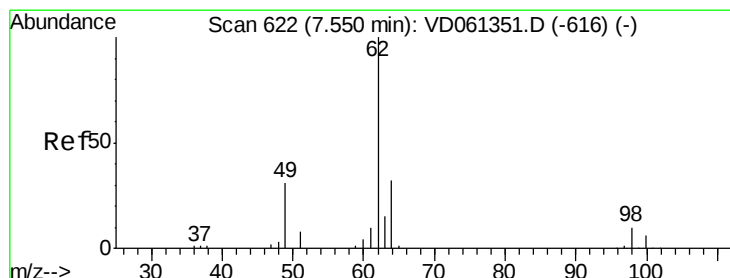
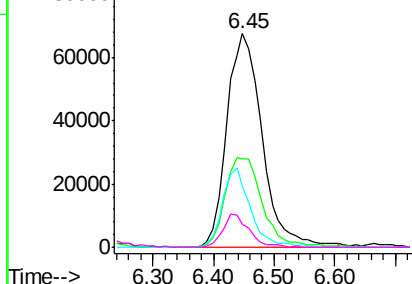
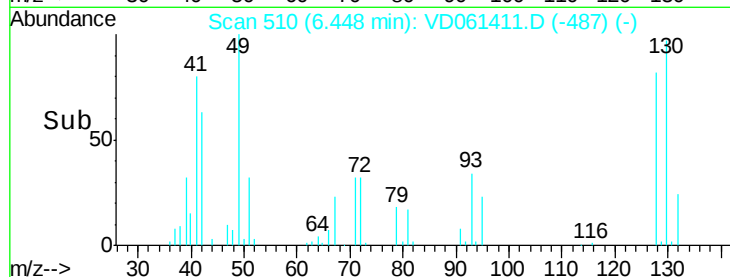
#41
Methacrylonitrile
Concen: 54.647 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 273154
Ion Ratio Lower Upper
41 100
39 41.2 35.0 52.6
67 28.6 21.0 31.6
52 10.9 7.7 11.5

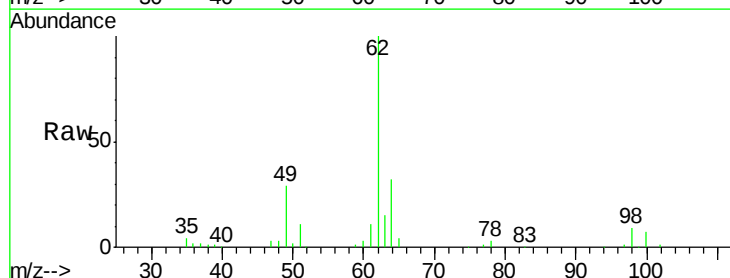


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

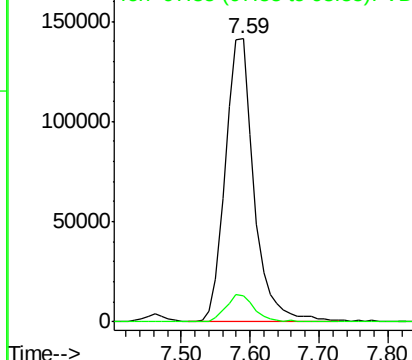
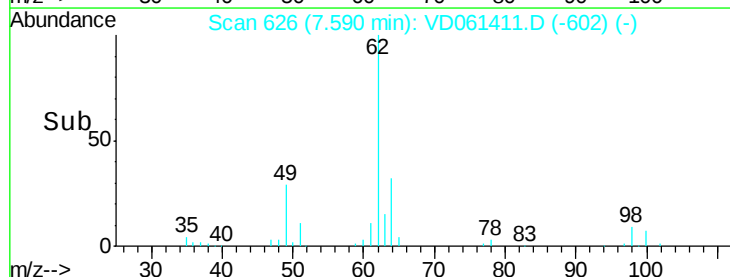


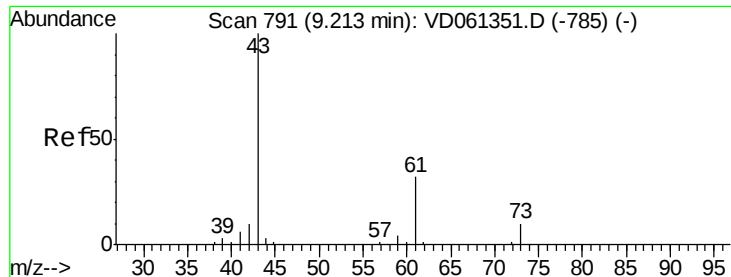
#42
1,2-Dichloroethane
Concen: 54.544 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.04 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 62 Resp: 409308
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.8



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



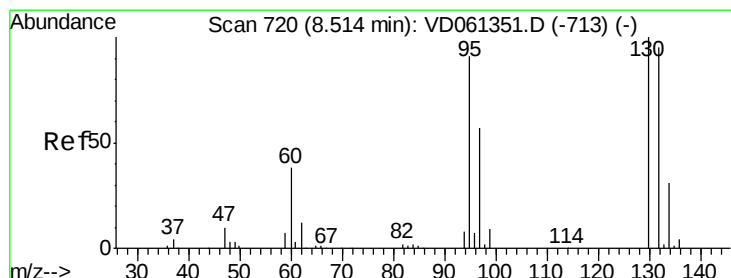
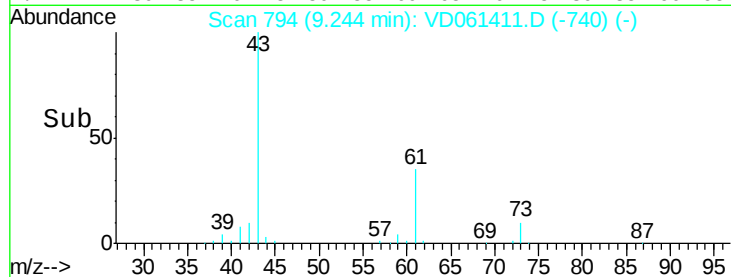
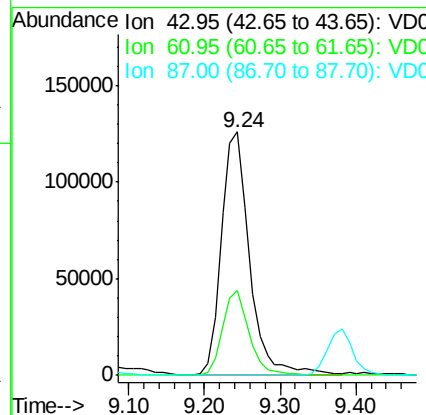
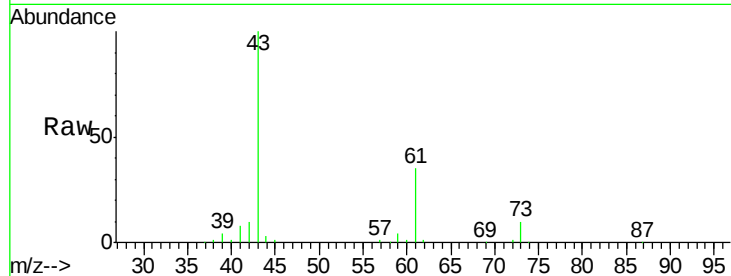


#43

Isopropyl Acetate
 Concen: 52.864 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.03 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Instrument :
 MSVOA_D
 ClientSampleID :

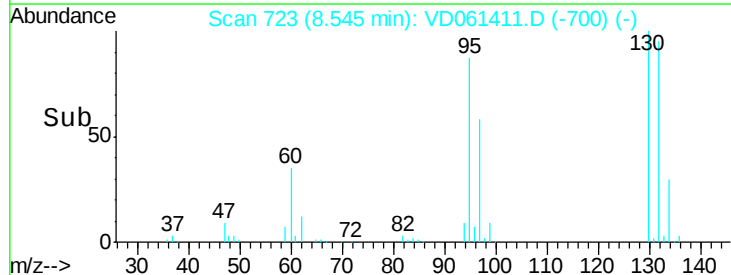
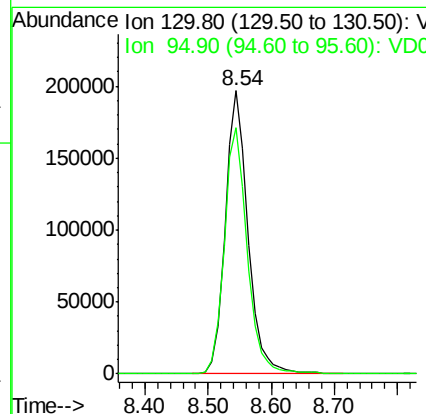
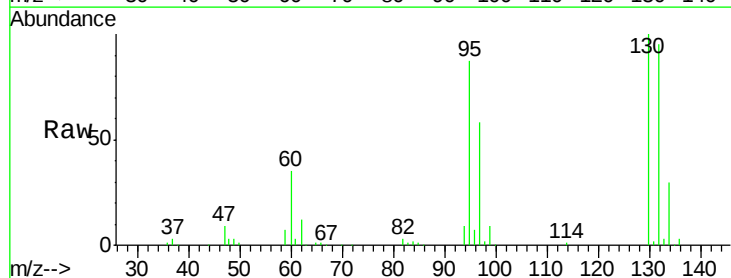
Tot Ion: 43 Resp: 328820
 Ion Ratio Lower Upper
 43 100
 61 35.0 25.8 38.6
 87 0.4 0.0 0.0#

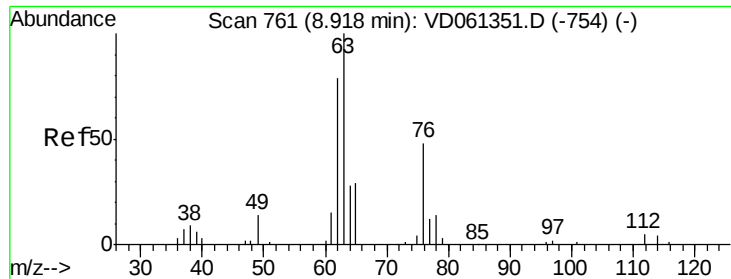


#44

Trichloroethene
 Concen: 52.756 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.03 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Tgt Ion: 130 Resp: 492529
 Ion Ratio Lower Upper
 130 100
 95 87.2 0.0 181.4





#45

1,2-Dichloropropane

Concen: 52.859 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

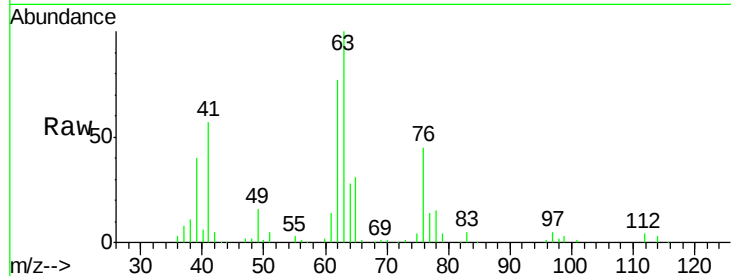
ClientSampleId :

Tot Ion: 63 Resp: 336254

Ion Ratio Lower Upper

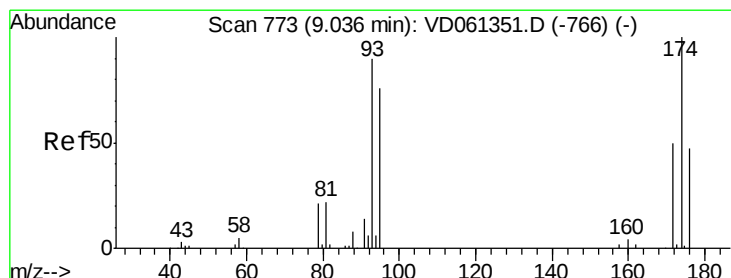
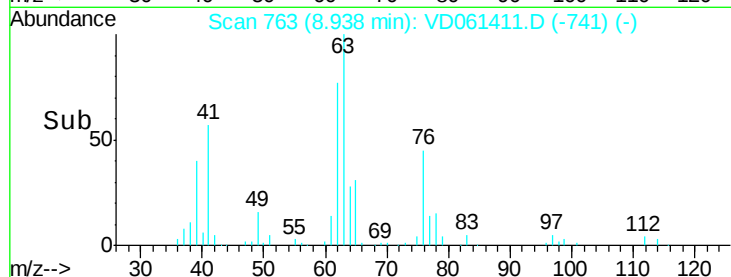
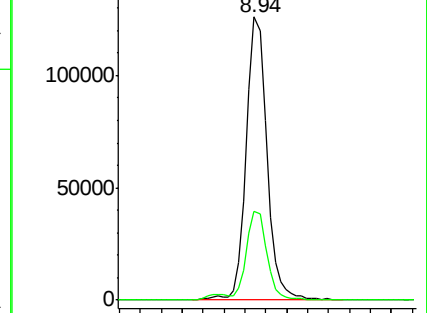
63 100

65 31.2 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: 56.182 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

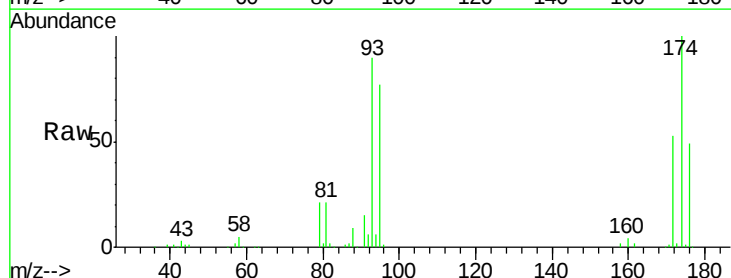
Tgt Ion: 93 Resp: 240550

Ion Ratio Lower Upper

93 100

95 85.0 67.4 101.0

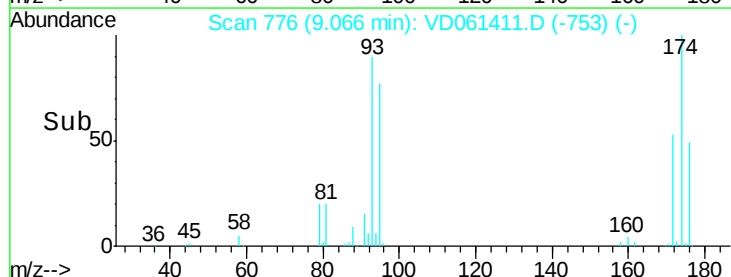
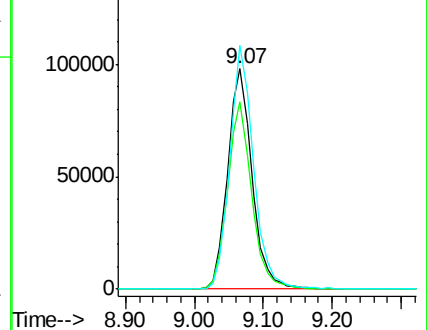
174 110.6 88.9 133.3

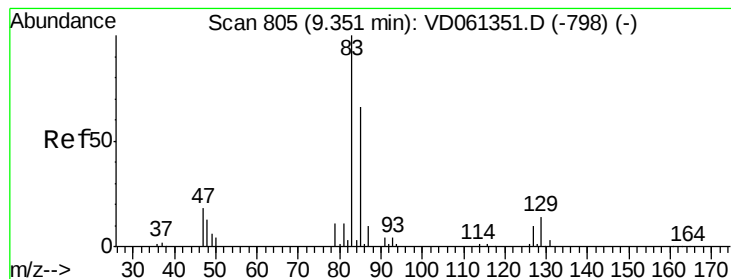


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 56.163 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

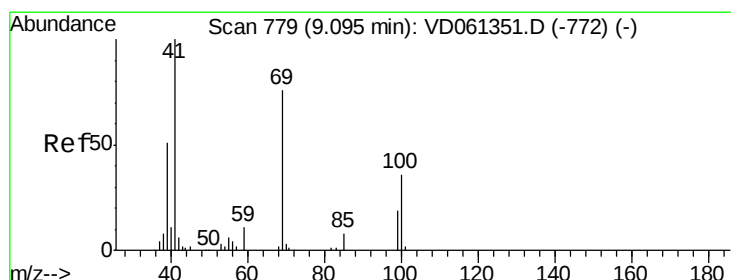
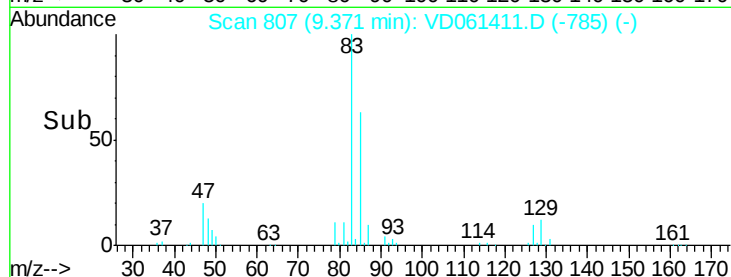
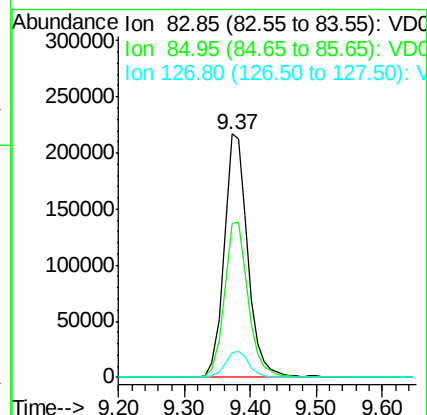
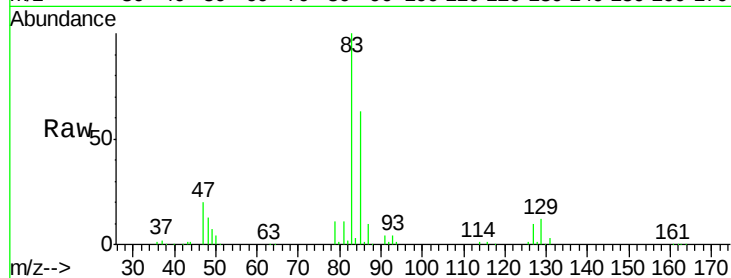
Tot Ion: 83 Resp: 539727

Ion Ratio Lower Upper

83 100

85 63.0 53.0 79.4

127 9.9 8.4 12.6



#48

Methyl methacrylate

Concen: 56.685 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

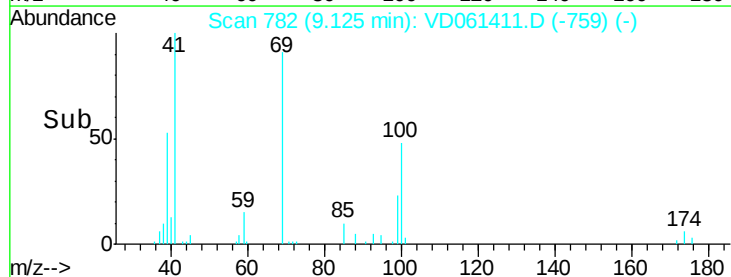
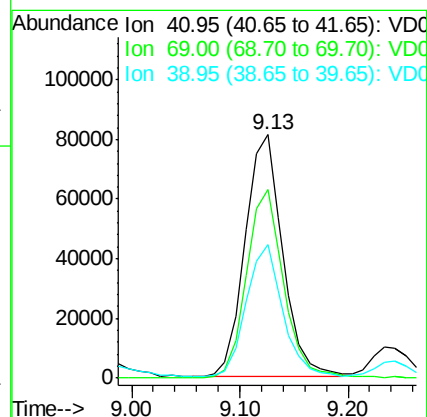
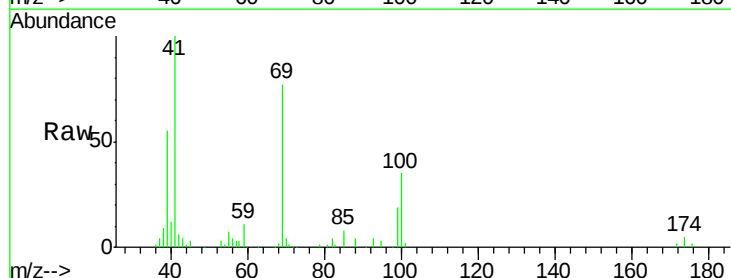
Tgt Ion: 41 Resp: 194587

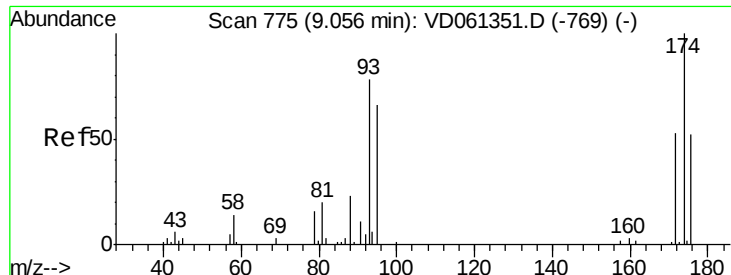
Ion Ratio Lower Upper

41 100

69 77.4 60.2 90.4

39 55.1 41.4 62.2





#49

1,4-Dioxane

Concen: 1135.270 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

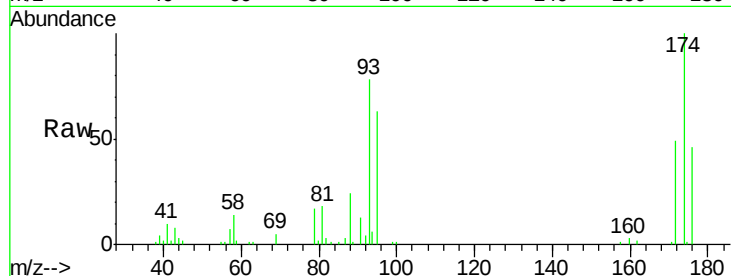
Tot Ion: 88 Resp: 42985

Ion Ratio Lower Upper

88 100

43 34.9 23.3 34.9

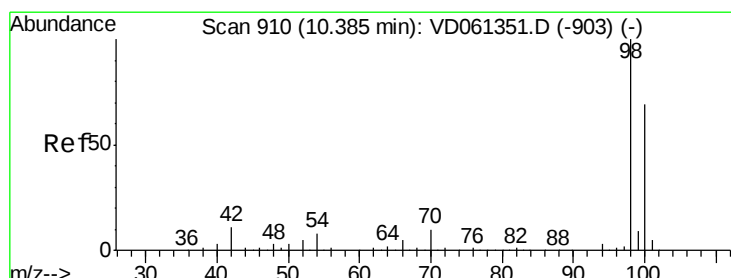
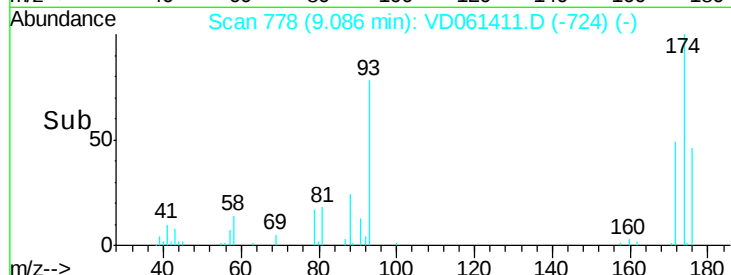
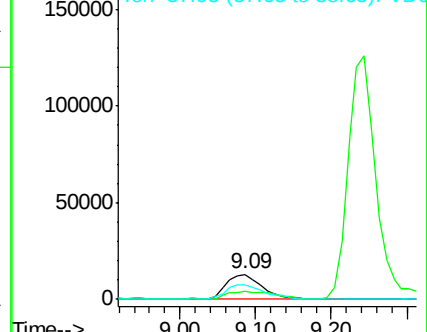
58 58.1 50.8 76.2



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: 1135.270 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.03 min

Lab File: VD061411.D

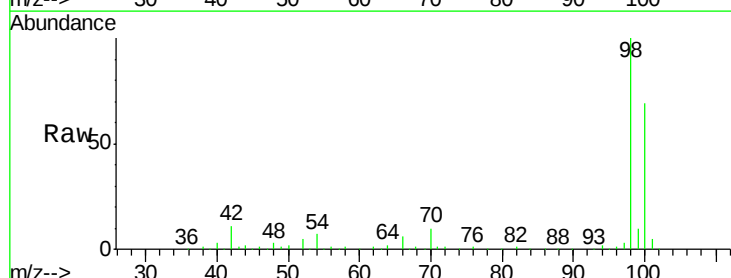
Acq: 29 Mar 2019 2:28

Tgt Ion: 98 Resp: 965855

Ion Ratio Lower Upper

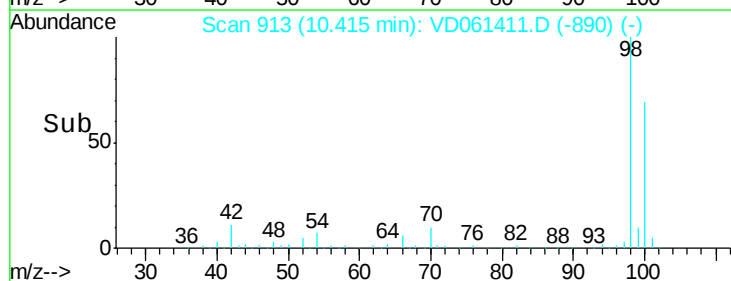
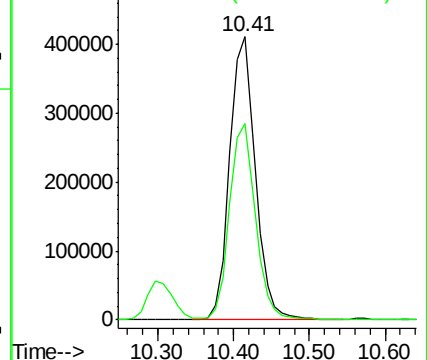
98 100

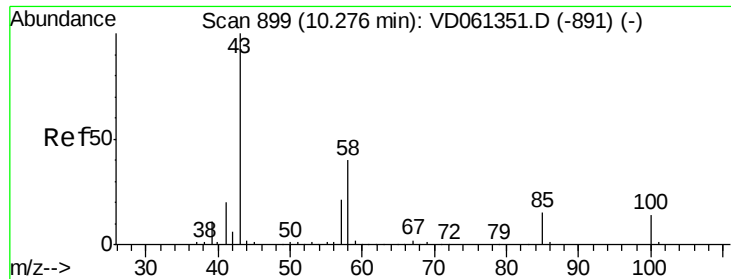
100 69.2 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

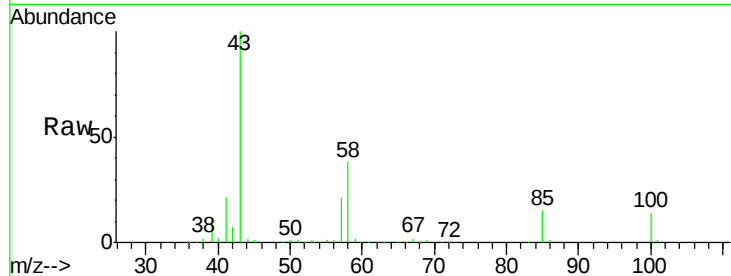




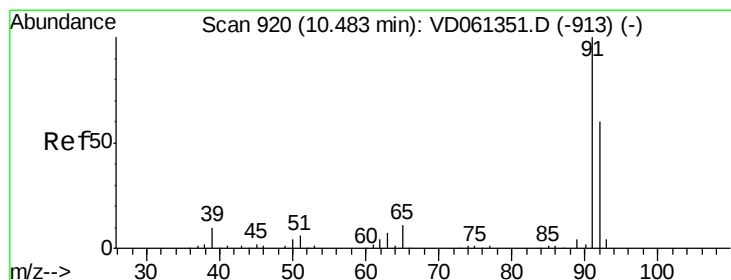
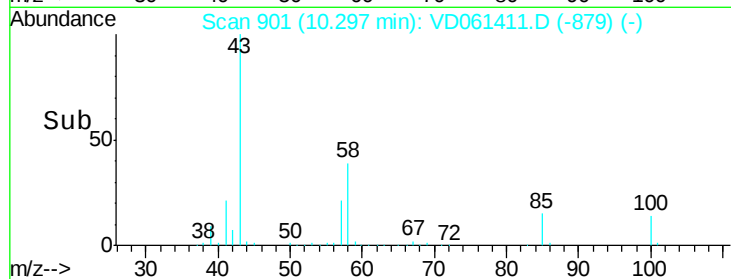
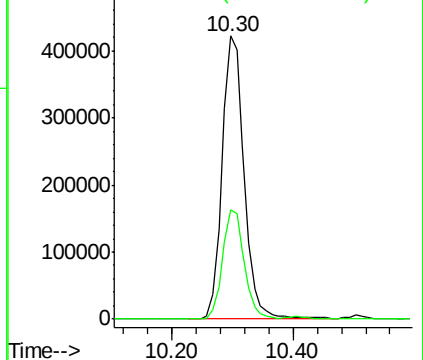
#51
4-Methyl-2-Pentanone
Concen: 280.972 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.02 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 1063266
Ion Ratio Lower Upper
43 100
58 38.5 31.8 47.8

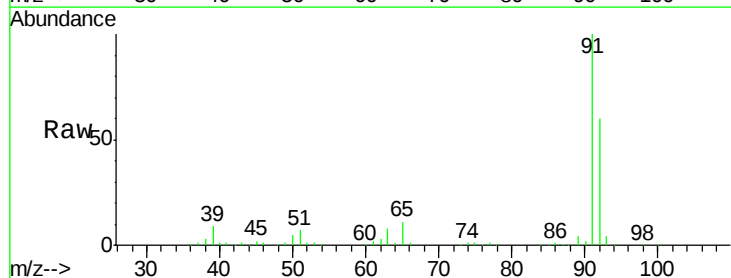


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

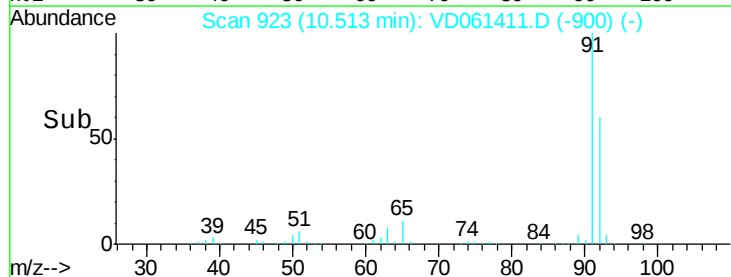
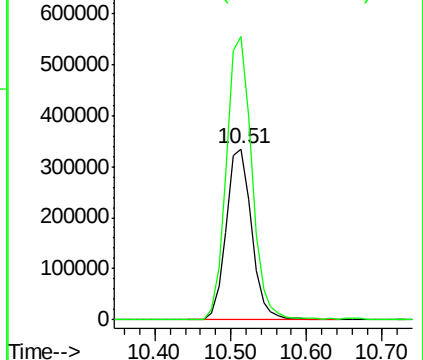


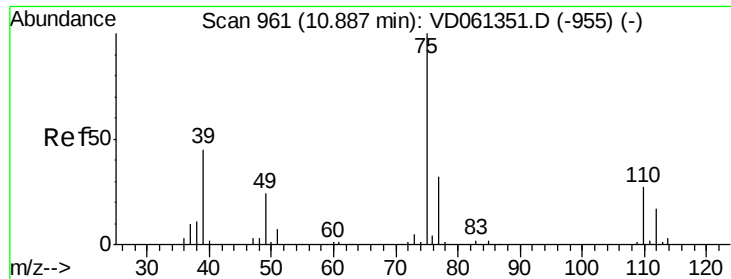
#52
Toluene
Concen: 50.706 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 92 Resp: 776051
Ion Ratio Lower Upper
92 100
91 165.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

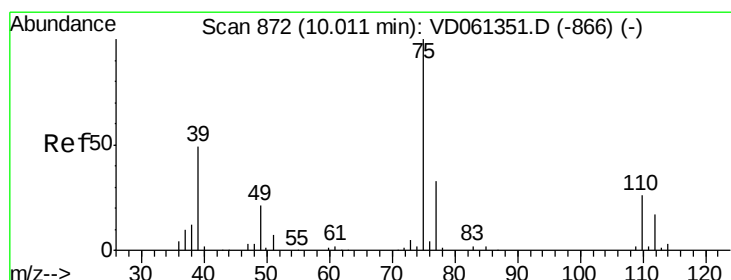
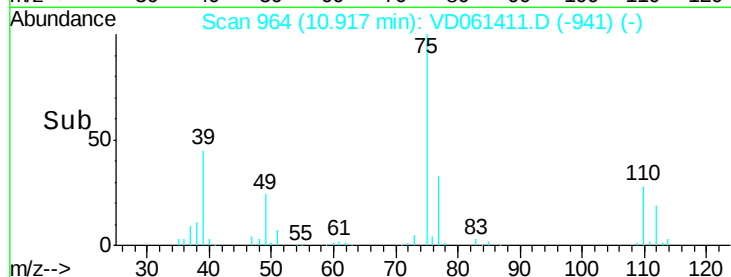
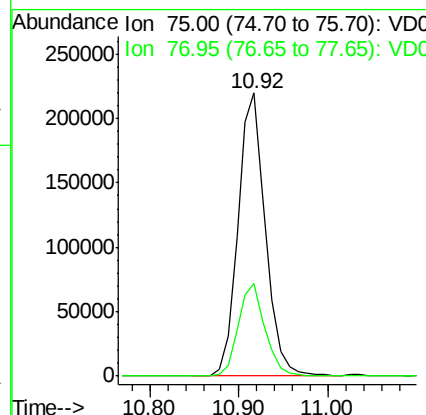
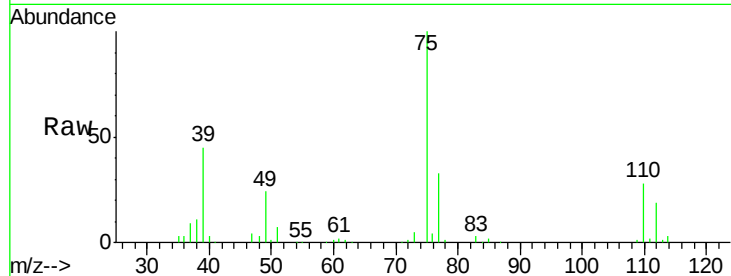




#53
t-1,3-Dichloropropene
Concen: 53.830 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

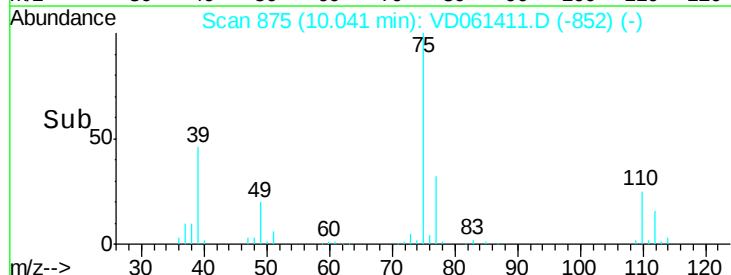
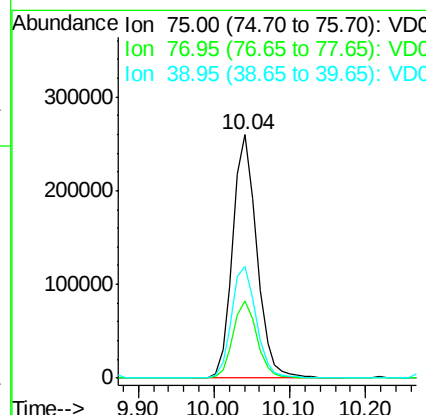
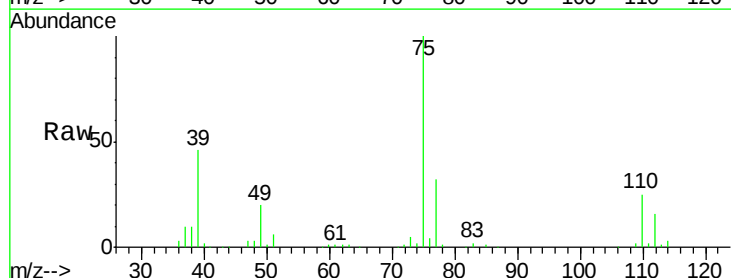
Instrument :
MSVOA_D
ClientSampleId :

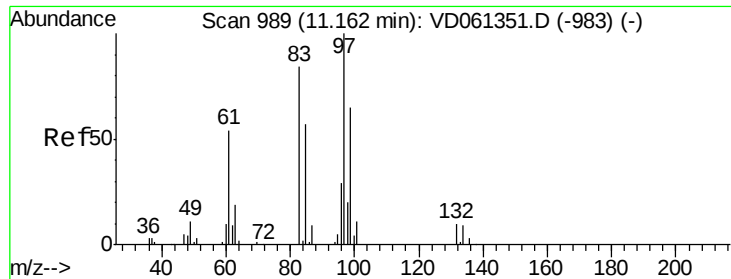
Tot Ion: 75 Resp: 469996
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 53.722 ug/l
RT: 10.04 min Scan# 875
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 75 Resp: 571148
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.4
39 45.7 39.4 59.0

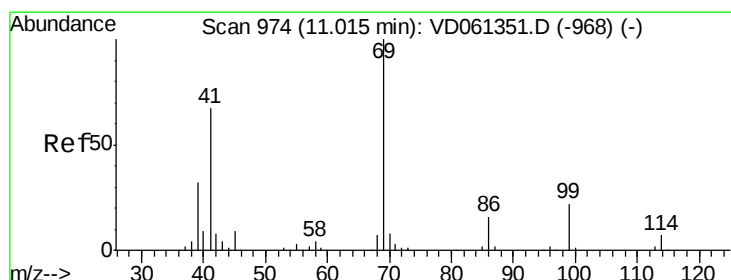
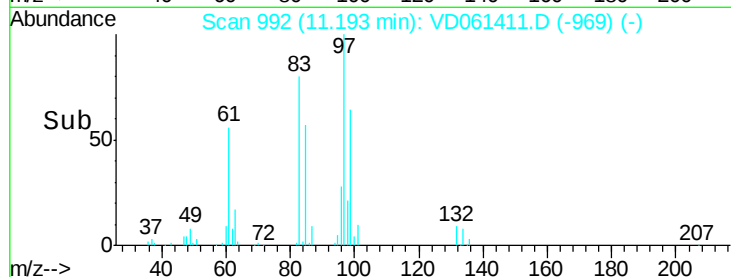
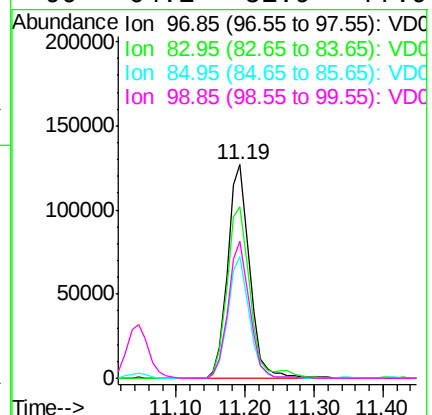
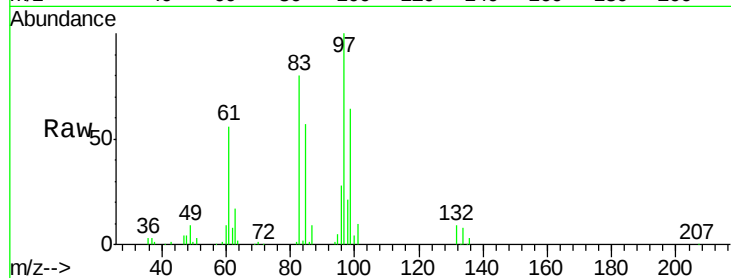




#55
 1,1,2-Trichloroethane
 Concen: 52.267 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.03 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

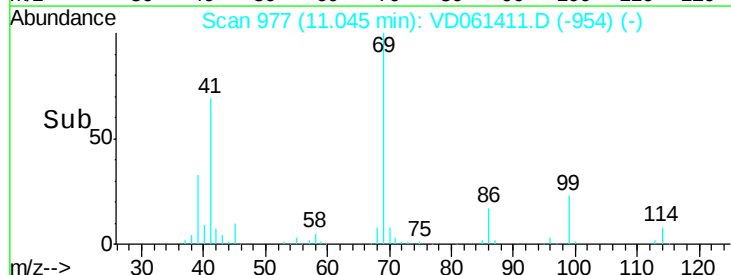
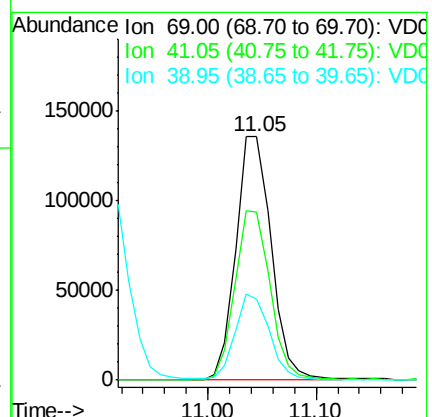
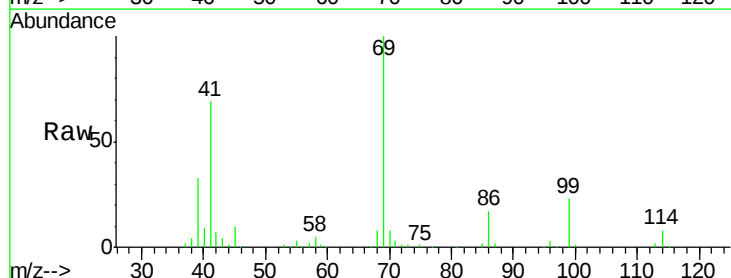
Instrument :
 MSVOA_D
 ClientSampleId :

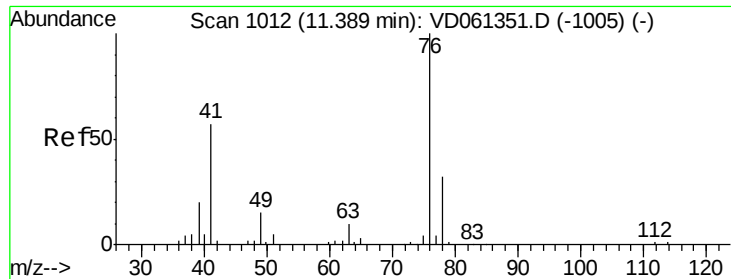
Tot Ion:	97	Resp:	279756
Ion	Ratio	Lower	Upper
97	100		
83	80.0	67.0	100.6
85	57.2	45.4	68.2
99	64.1	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 53.827 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.03 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Tgt Ion:	69	Resp:	309507
Ion	Ratio	Lower	Upper
69	100		
41	69.2	53.8	80.6
39	33.2	26.4	39.6

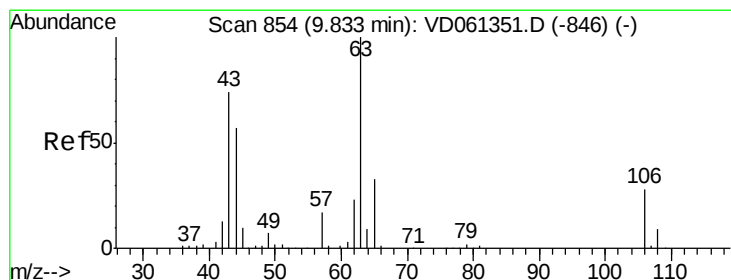
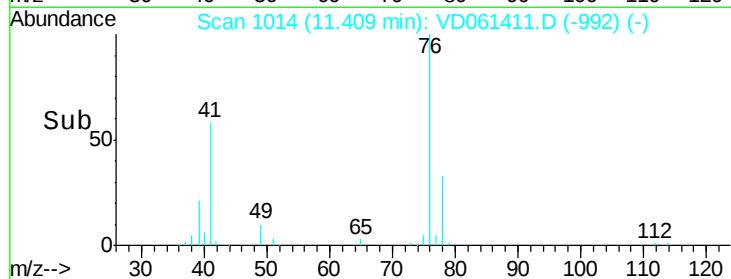
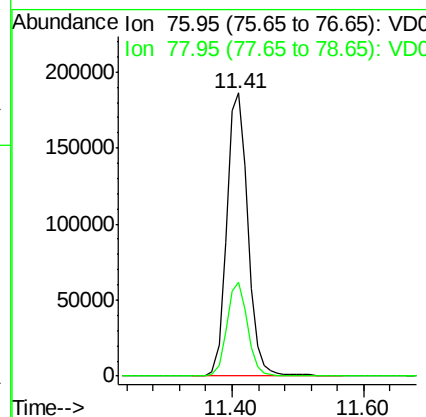
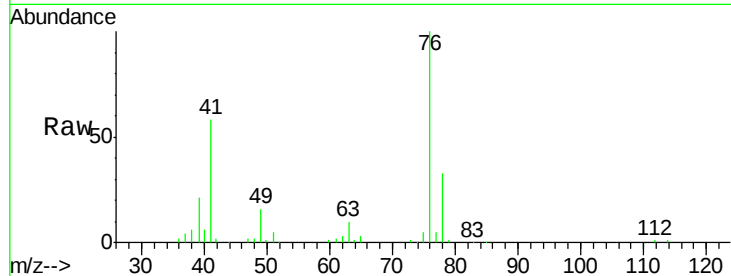




#57
 1,3-Dichloropropane
 Concen: 53.022 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.02 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

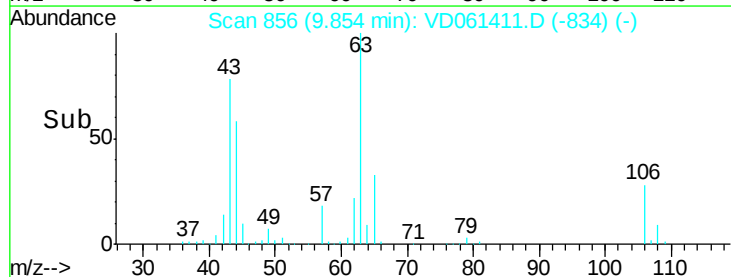
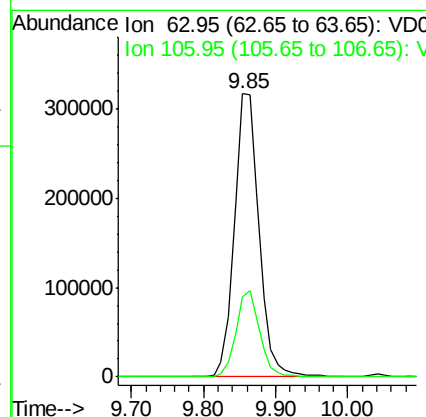
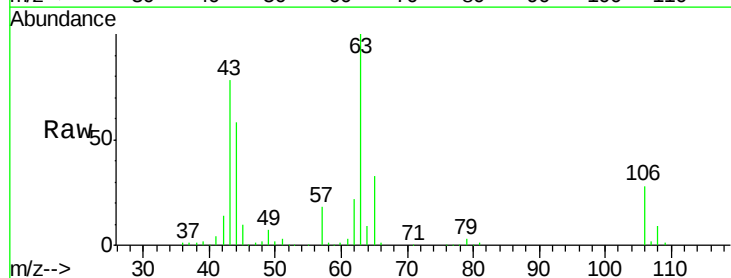
Instrument :
 MSVOA_D
 ClientSampled :

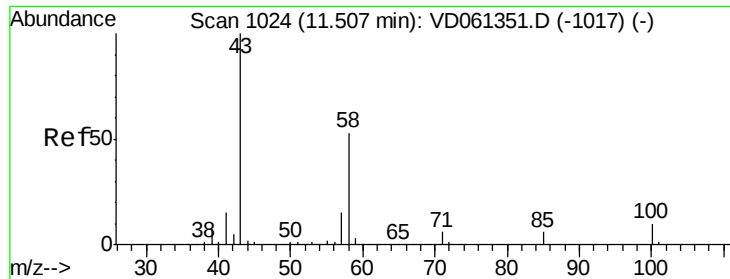
Tot Ion: 76 Resp: 417134
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.472 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.02 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Tgt Ion: 63 Resp: 754581
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.4 33.6

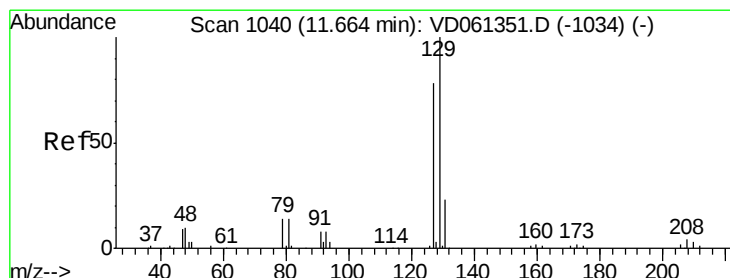
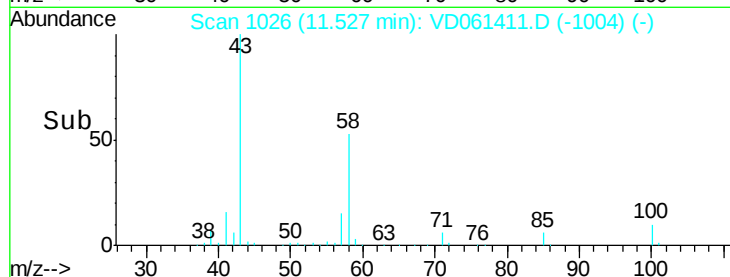
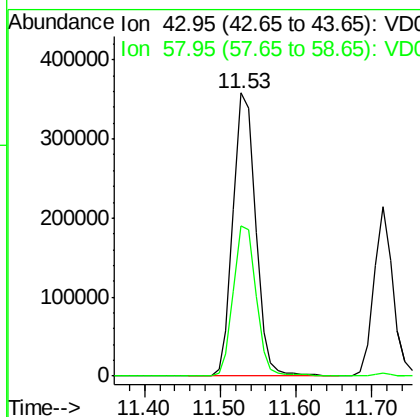
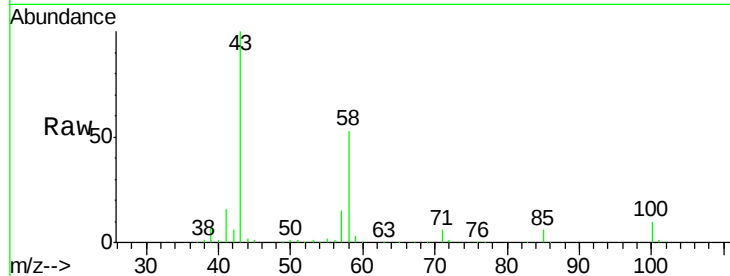




#59
2-Hexanone
Concen: 270.612 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.02 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

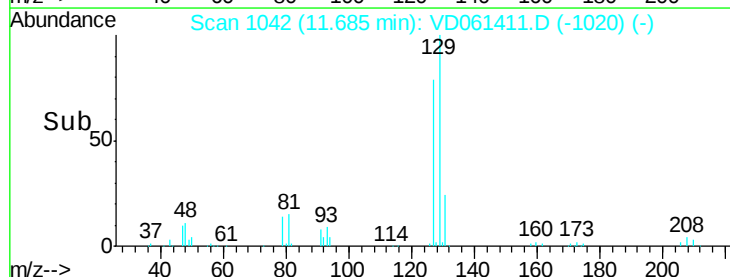
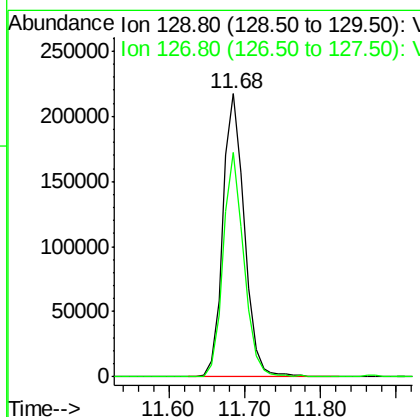
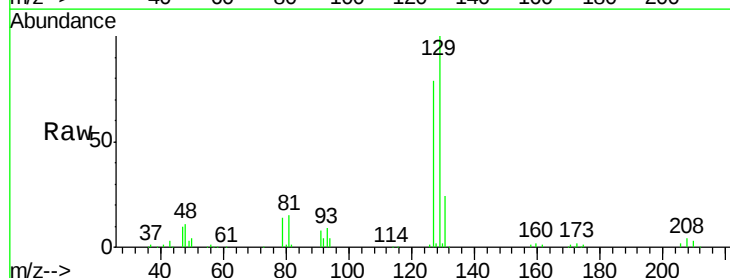
Instrument :
MSVOA_D
ClientSampleId :

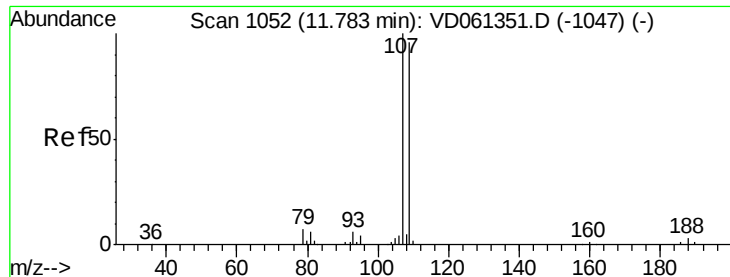
Tot Ion: 43 Resp: 741963
Ion Ratio Lower Upper
43 100
58 53.1 26.3 78.9



#60
Dibromochloromethane
Concen: 51.680 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 129 Resp: 426436
Ion Ratio Lower Upper
129 100
127 79.1 39.0 116.9

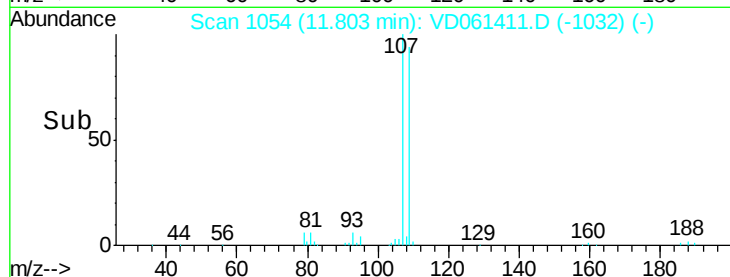
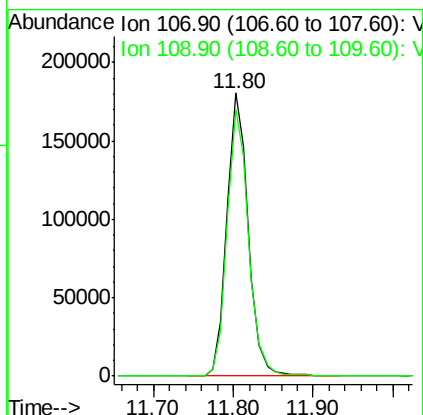
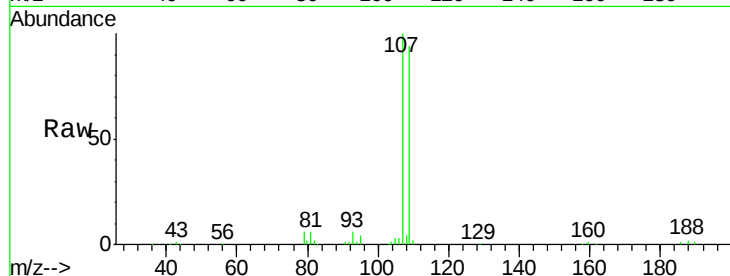




#61
 1,2-Dibromoethane
 Concen: 55.019 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.02 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

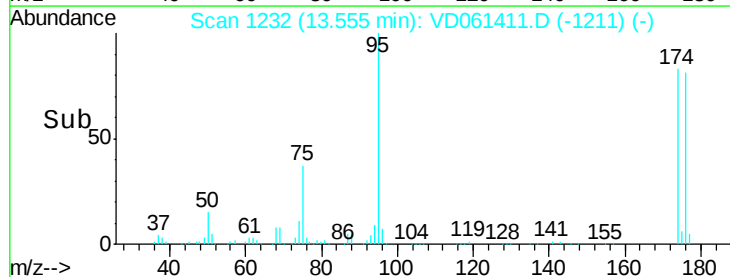
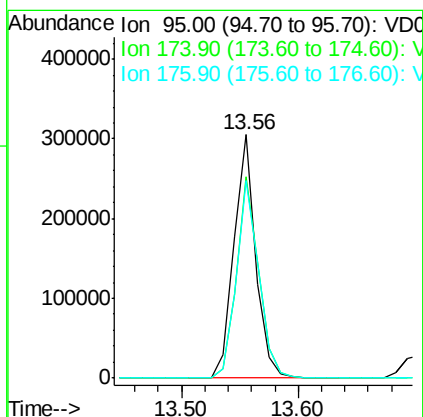
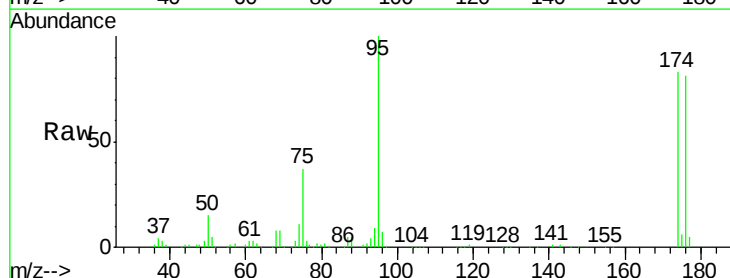
Instrument :
 MSVOA_D
 ClientSampleId :

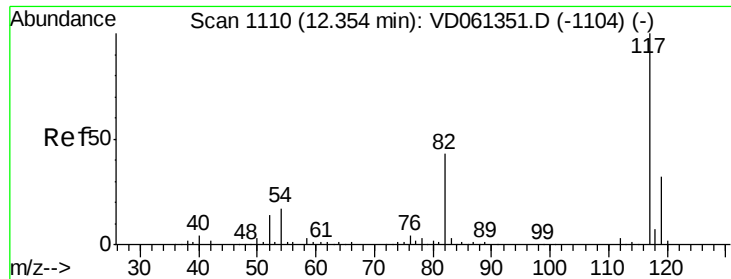
Tot Ion: 107 Resp: 341004
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 55.019 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Tgt Ion: 95 Resp: 393054
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 178.0
 176 80.9 0.0 175.0

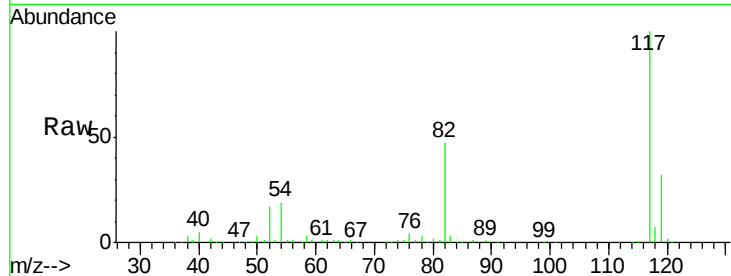




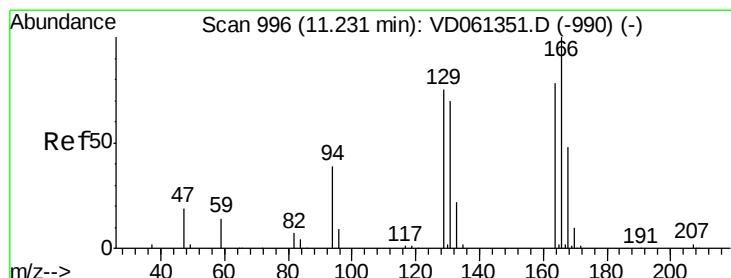
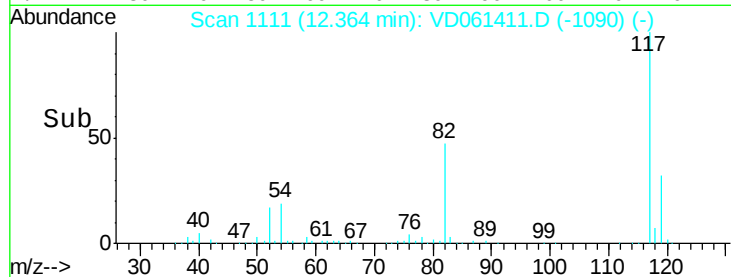
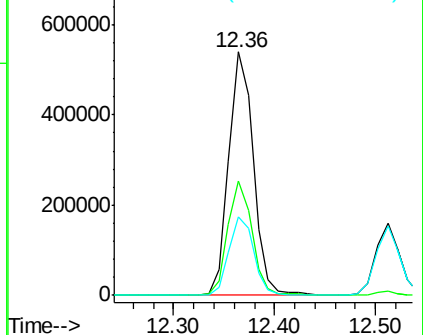
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 915679
Ion Ratio Lower Upper
117 100
82 46.9 34.4 51.6
119 32.2 25.8 38.6

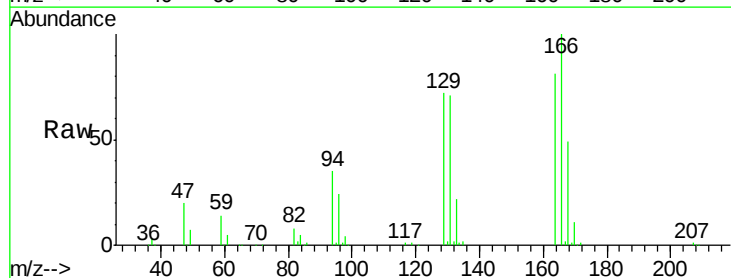


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

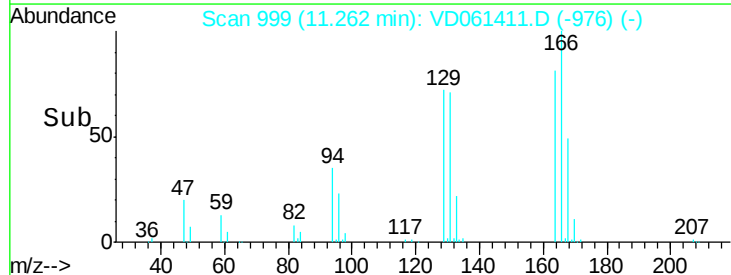
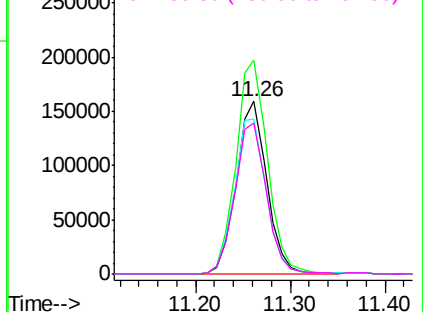


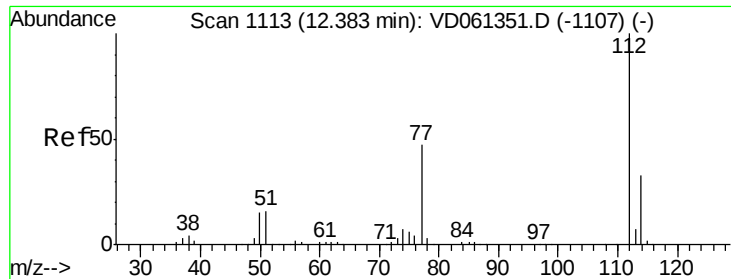
#64
Tetrachloroethene
Concen: 49.582 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.03 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion:164 Resp: 356318
Ion Ratio Lower Upper
164 100
166 124.0 102.4 153.6
129 89.6 76.8 115.2
131 88.0 71.8 107.6



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

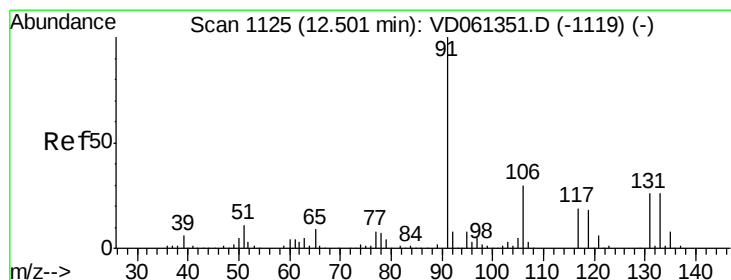
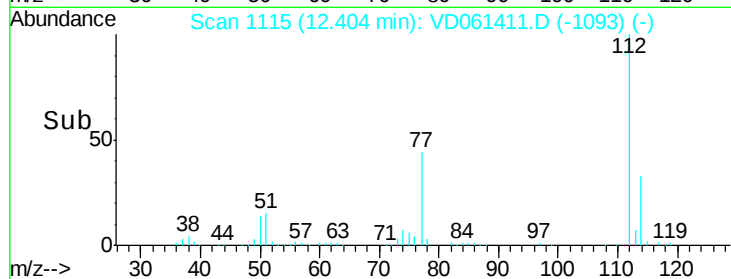
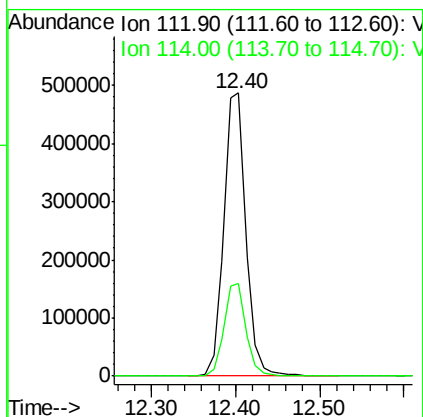
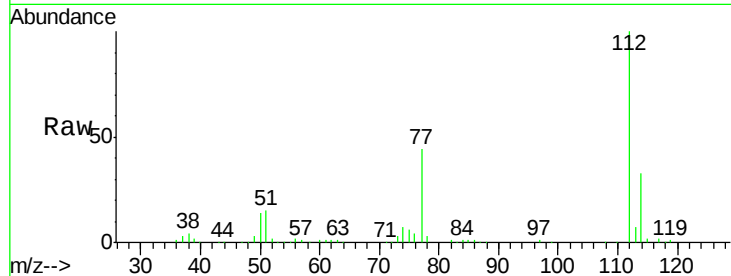




#65
Chlorobenzene
Concen: 47.239 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

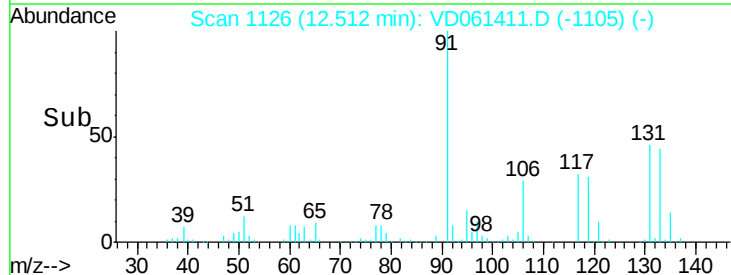
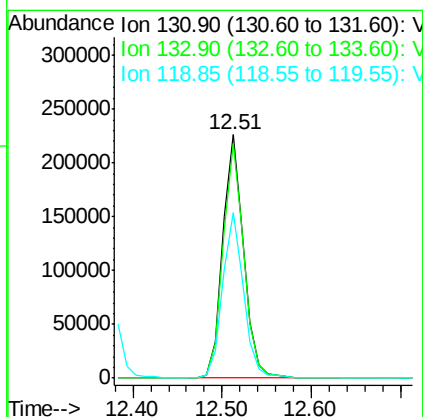
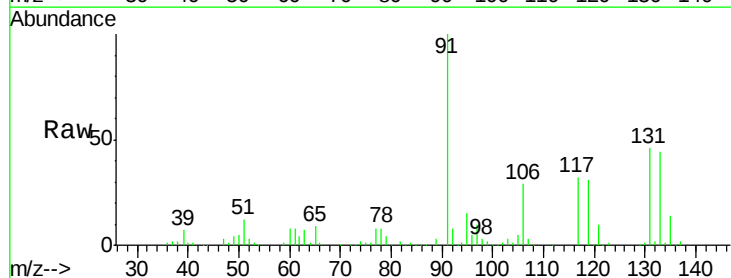
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 884012
Ion Ratio Lower Upper
112 100
114 32.9 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.903 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion:131 Resp: 376067
Ion Ratio Lower Upper
131 100
133 96.2 49.4 148.2
119 68.0 34.1 102.2

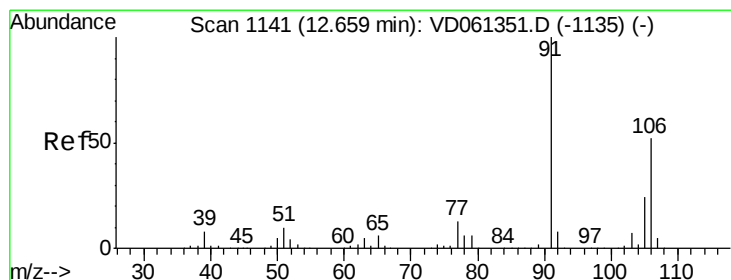
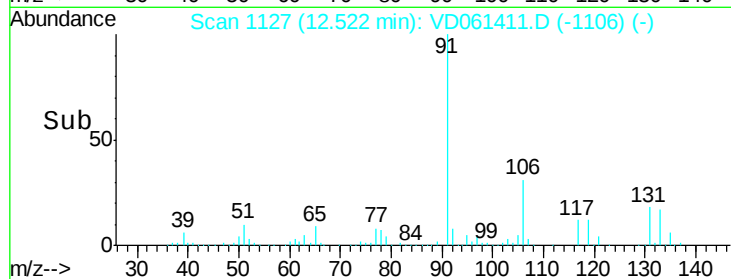
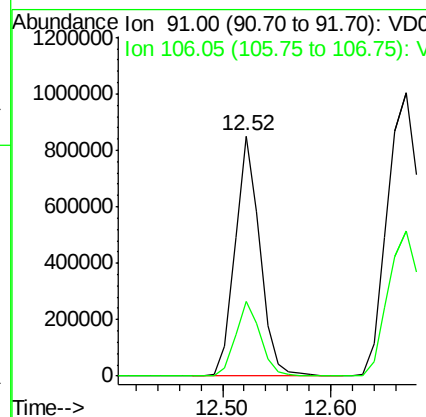
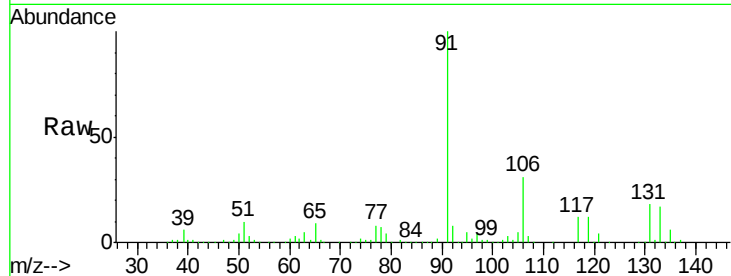




#67
Ethvl Benzene
Concen: 47.575 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

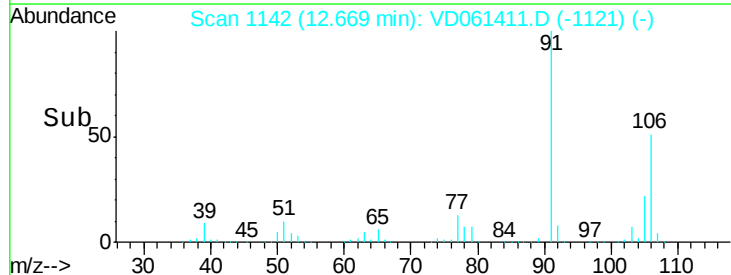
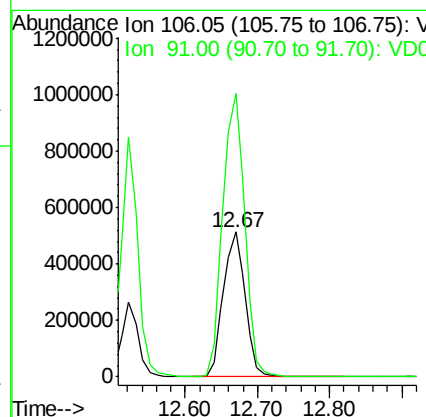
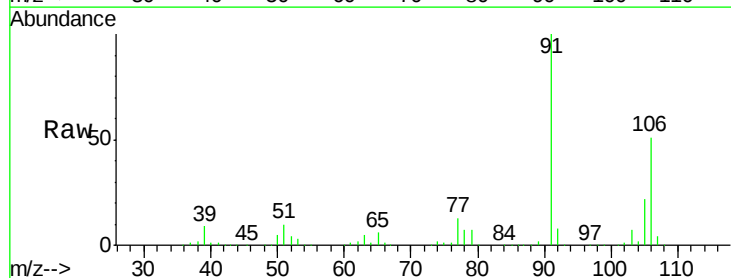
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1358900
Ion Ratio Lower Upper
91 100
106 30.9 26.1 39.1



#68
m/p-Xylenes
Concen: 98.543 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion:106 Resp: 1066237
Ion Ratio Lower Upper
106 100
91 195.4 153.1 229.7

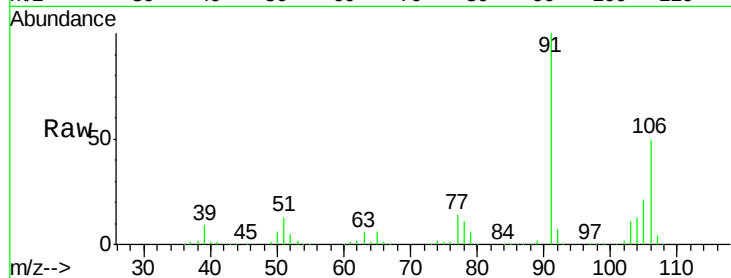




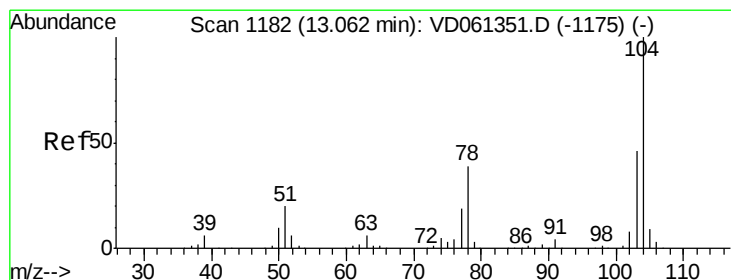
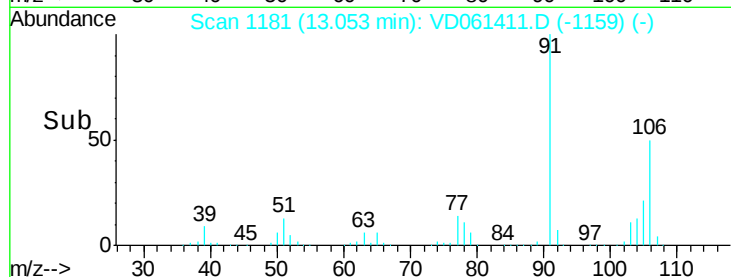
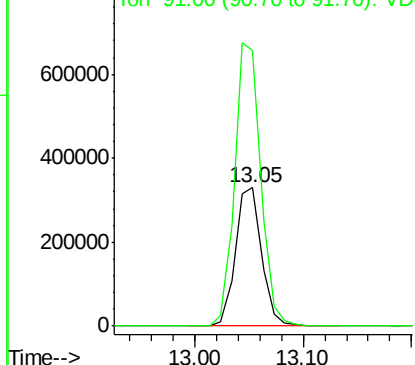
#69
o-Xylene
Concen: 52.691 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 553250
Ion Ratio Lower Upper
106 100
91 199.4 103.8 311.3

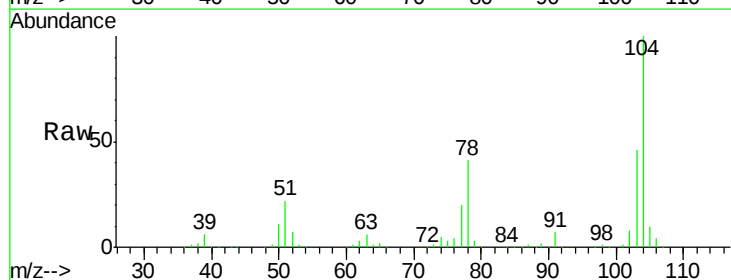


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

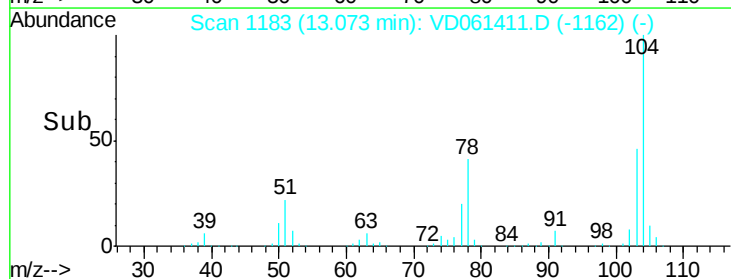
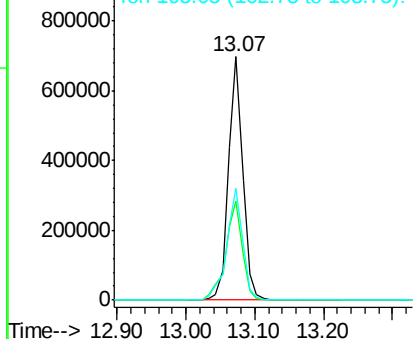


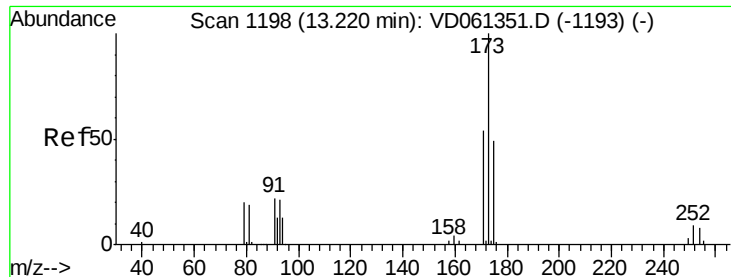
#70
Styrene
Concen: 54.736 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion:104 Resp: 1001852
Ion Ratio Lower Upper
104 100
78 40.6 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

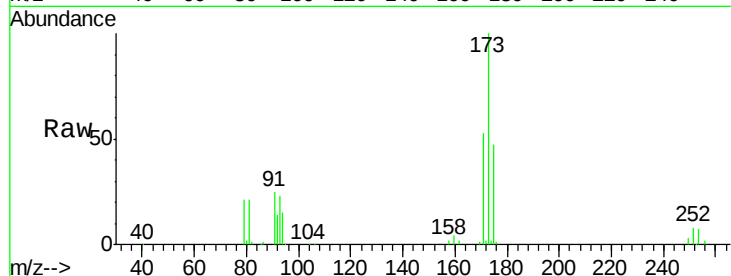




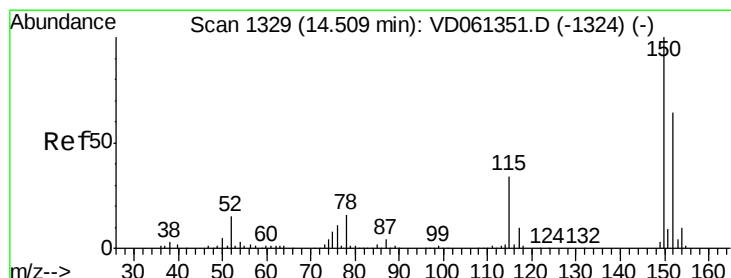
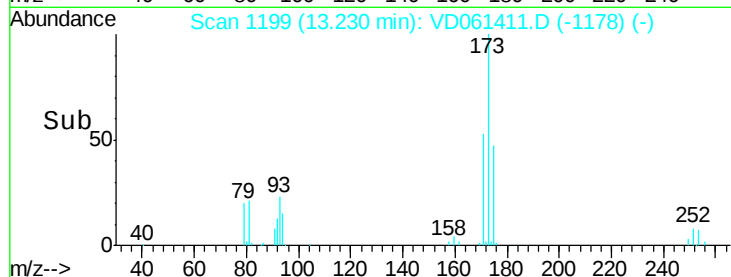
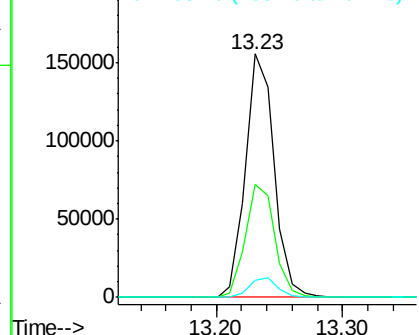
#71
Bromoform
Concen: 53.084 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 243817
Ion Ratio Lower Upper
173 100
175 46.7 24.6 73.8
254 6.8 6.6 10.0

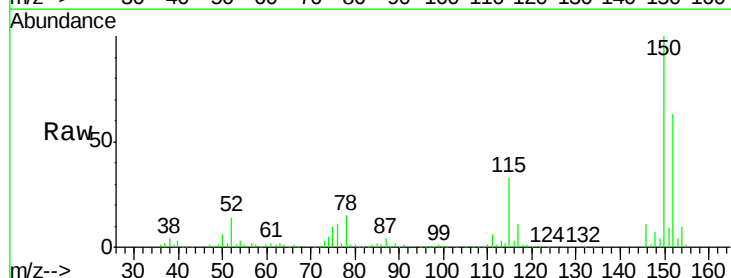


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

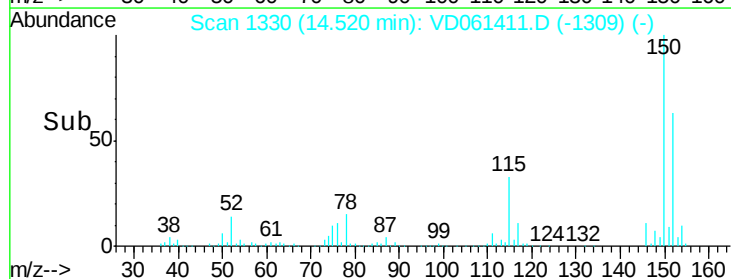
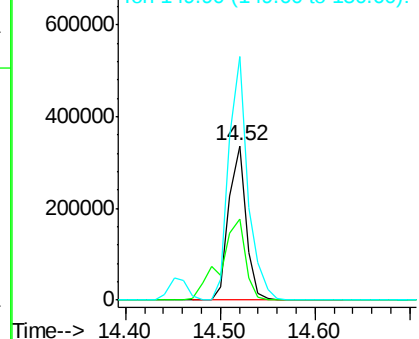


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion:152 Resp: 422570
Ion Ratio Lower Upper
152 100
115 52.8 26.9 80.6
150 157.9 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.842 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

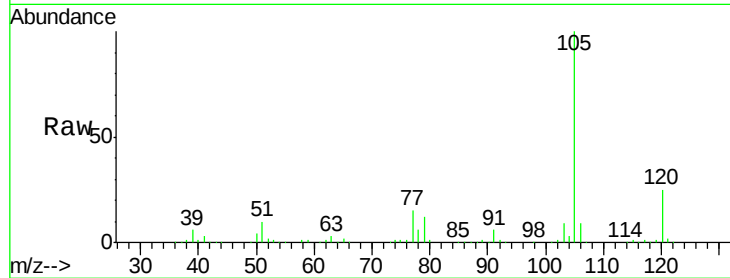
ClientSampled :

Tot Ion:105 Resp: 1465877

Ion Ratio Lower Upper

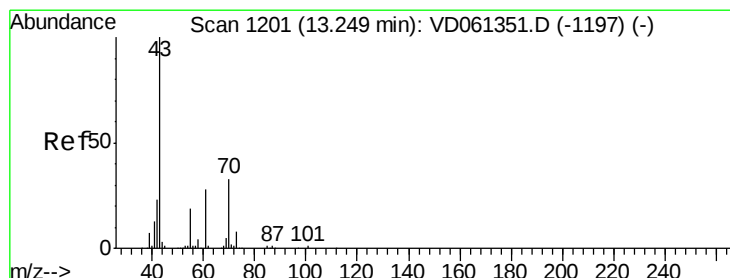
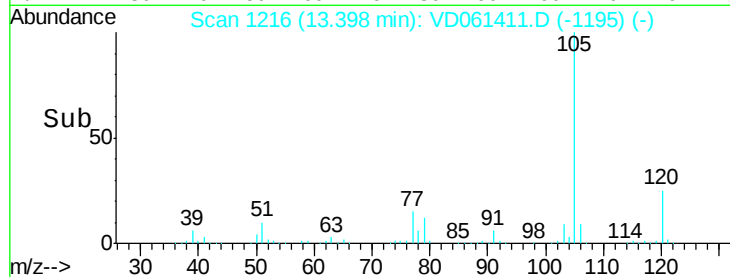
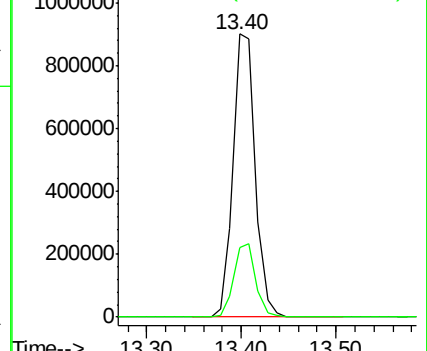
105 100

120 24.6 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: 47.958 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Tgt Ion: 43 Resp: 392913

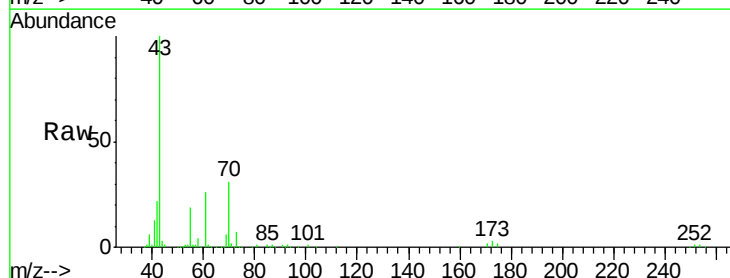
Ion Ratio Lower Upper

43 100

70 31.2 26.6 40.0

55 18.8 15.4 23.2

61 26.1 22.2 33.4

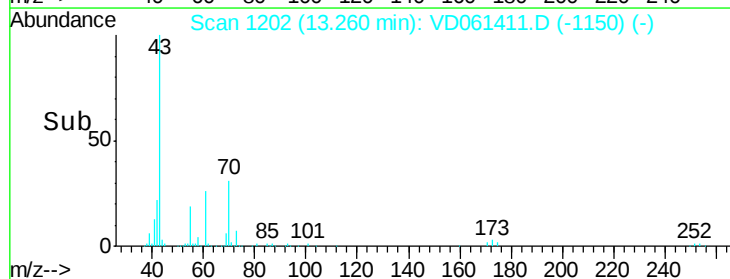
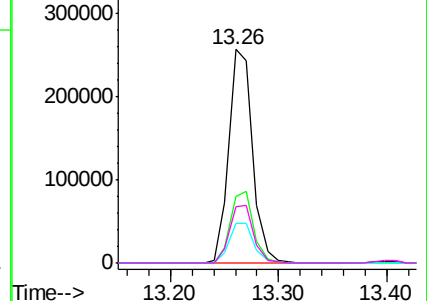


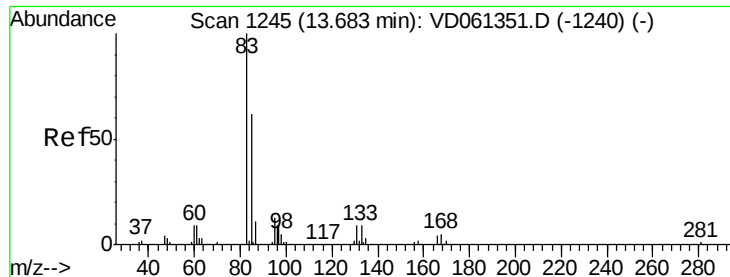
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.529 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

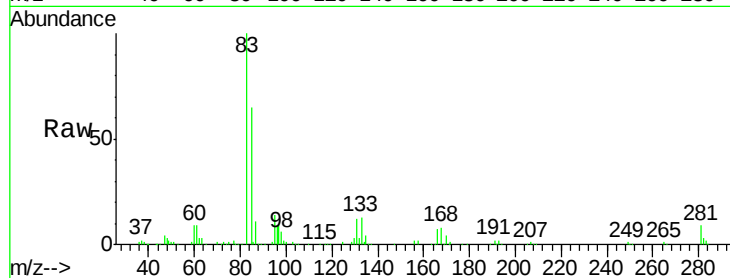
Tot Ion: 83 Resp: 313489

Ion	Ratio	Lower	Upper
83	100		
131	11.8	4.3	13.1
85	65.4	31.2	93.6

83 100

131 11.8 4.3 13.1

85 65.4 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

250000

200000

150000

100000

50000

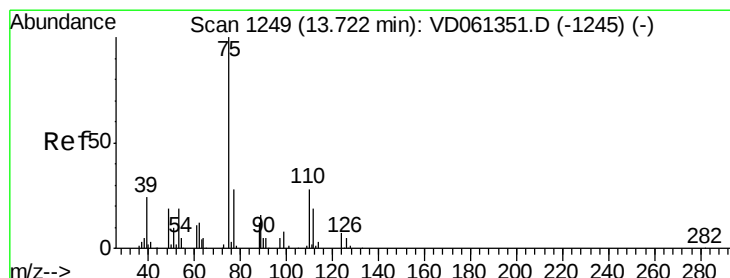
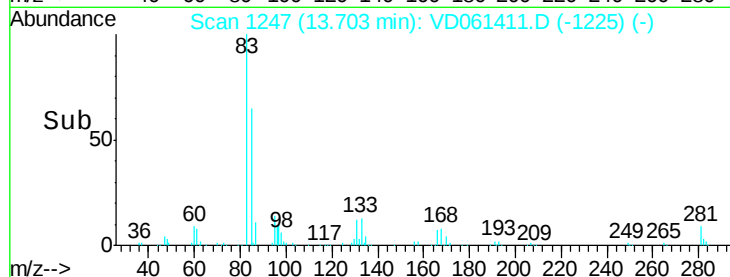
0

13.60

13.70

13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 49.732 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061411.D

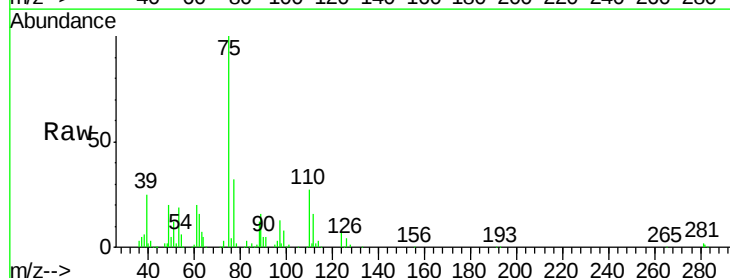
Acq: 29 Mar 2019 2:28

Tgt Ion: 75 Resp: 303572

Ion	Ratio	Lower	Upper
75	100		
77	32.1	16.2	48.5

75 100

77 32.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

400000

300000

200000

100000

0

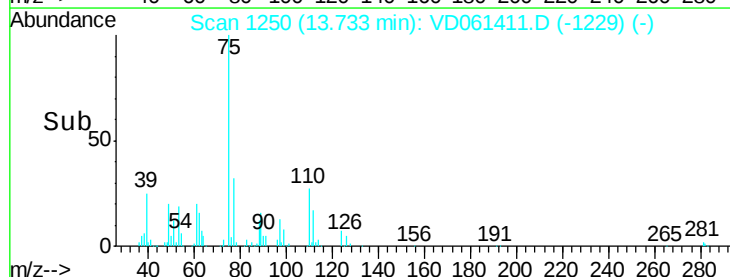
13.65

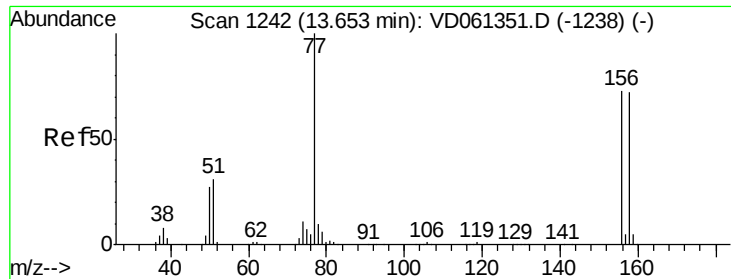
13.70

13.75

13.80

Time-->





#77

Bromobenzene

Concen: 50.755 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

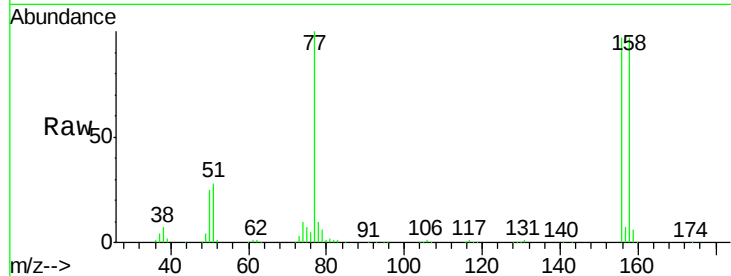
Tot Ion:156 Resp: 442530

Ion Ratio Lower Upper

156 100

77 103.4 68.5 205.6

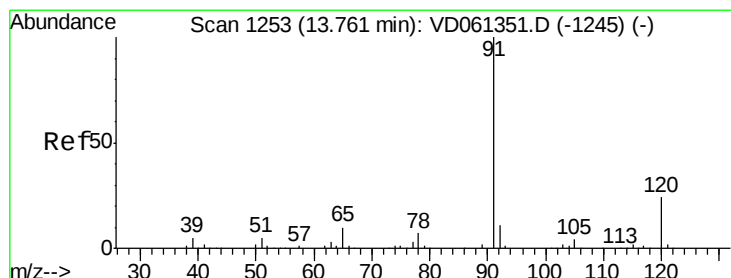
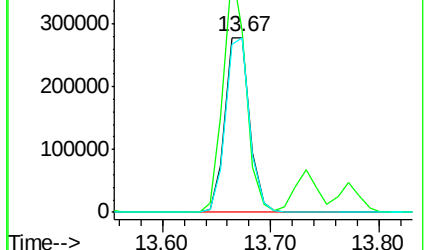
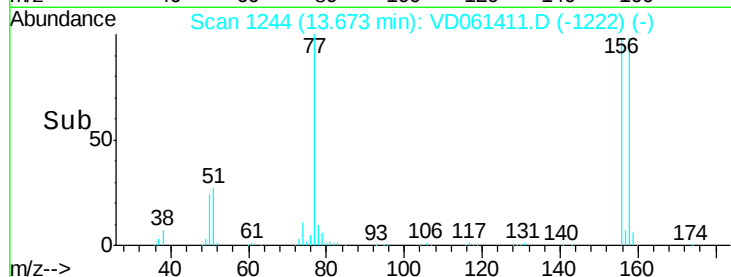
158 100.1 49.1 147.3



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: 49.261 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061411.D

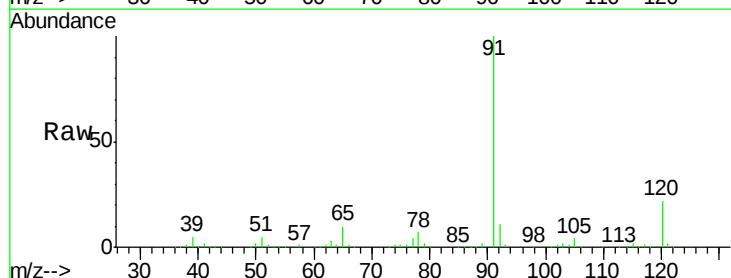
Acq: 29 Mar 2019 2:28

Tgt Ion: 91 Resp: 1772992

Ion Ratio Lower Upper

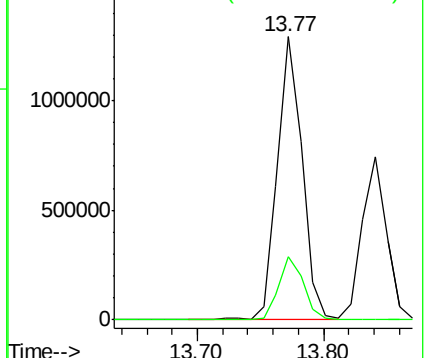
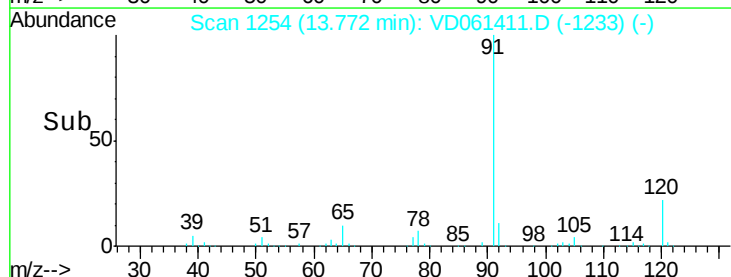
91 100

120 22.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

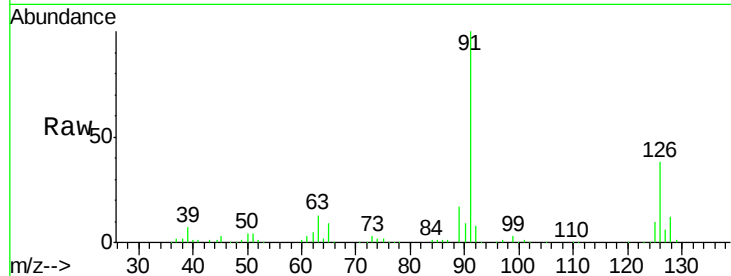




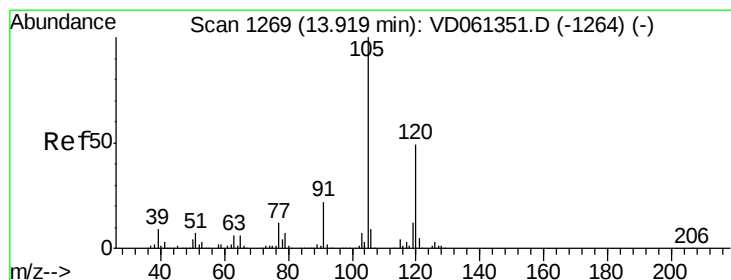
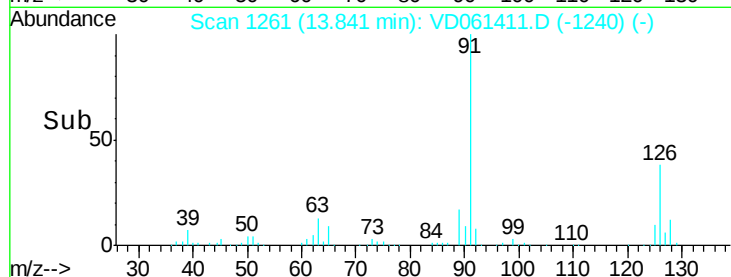
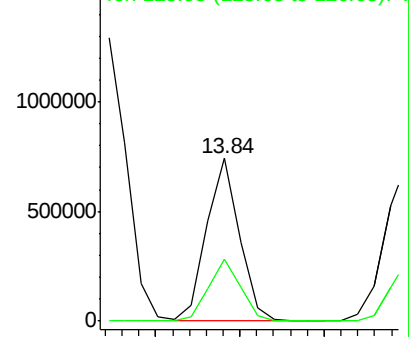
#79
 2-Chlorotoluene
 Concen: 51.211 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 1000788
 Ion Ratio Lower Upper
 91 100
 126 38.3 19.4 58.2

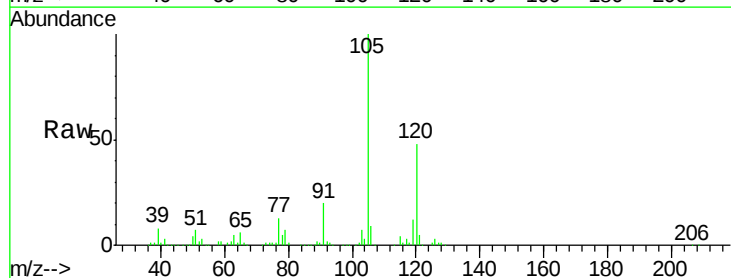


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

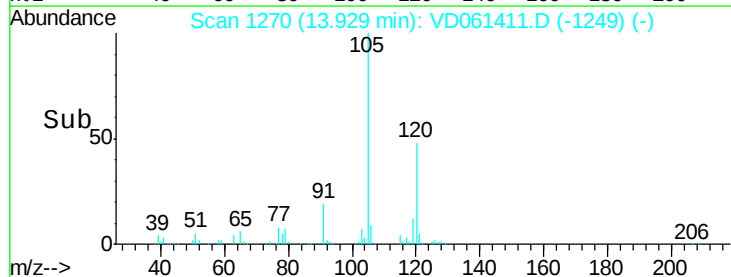
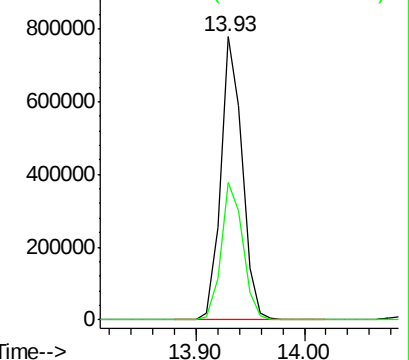


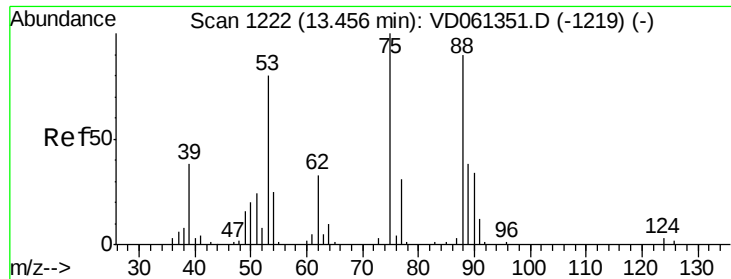
#80
 1,3,5-Trimethylbenzene
 Concen: 46.809 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Tgt Ion: 105 Resp: 1068149
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.6 73.6



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

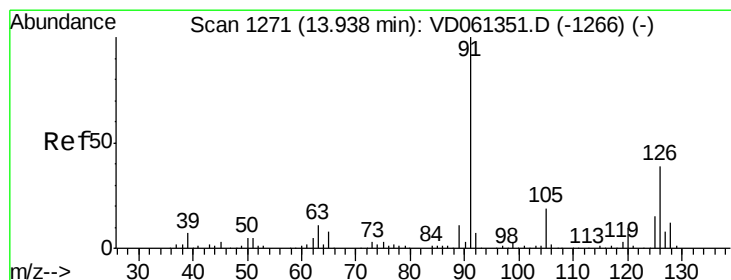
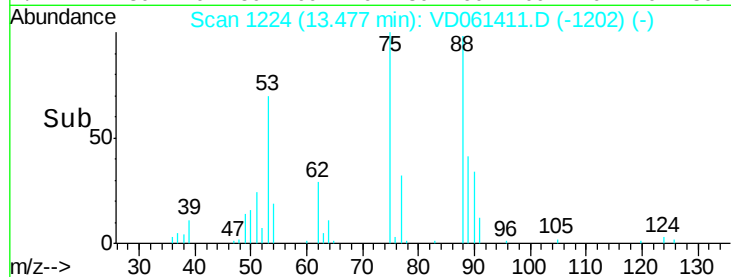
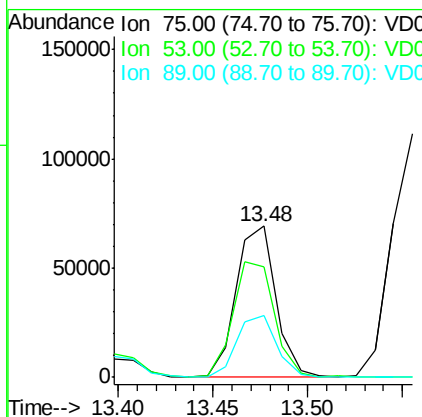
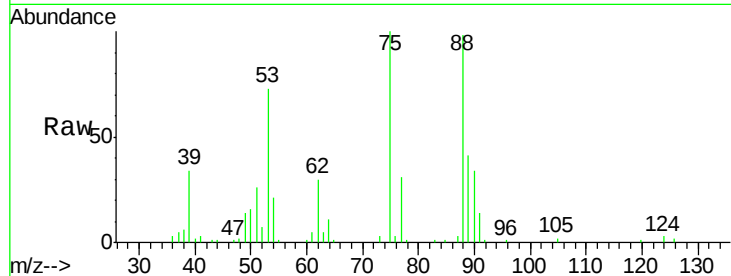




#81
trans-1,4-Dichloro-2-butene
Concen: 54.123 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.02 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

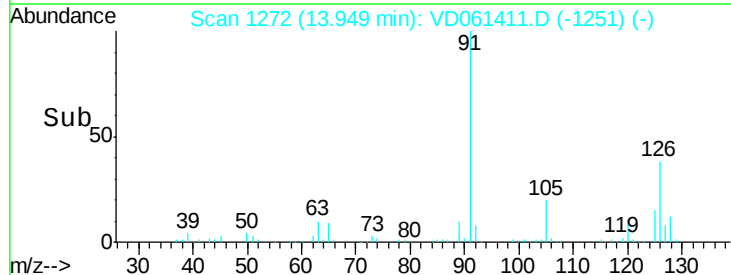
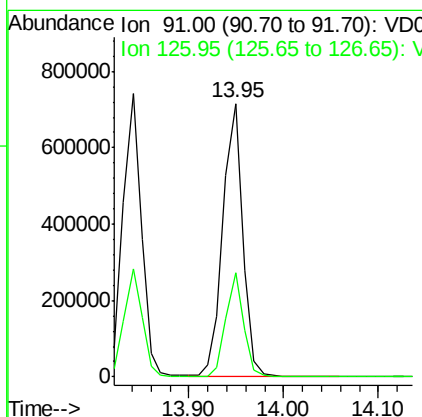
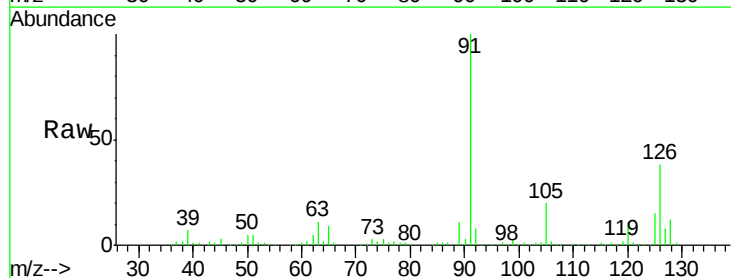
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 100731
Ion Ratio Lower Upper
75 100
53 72.8 63.8 95.8
89 41.1 30.5 45.7



#82
4-Chlorotoluene
Concen: 49.016 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion: 91 Resp: 1041542
Ion Ratio Lower Upper
91 100
126 38.1 19.6 58.8

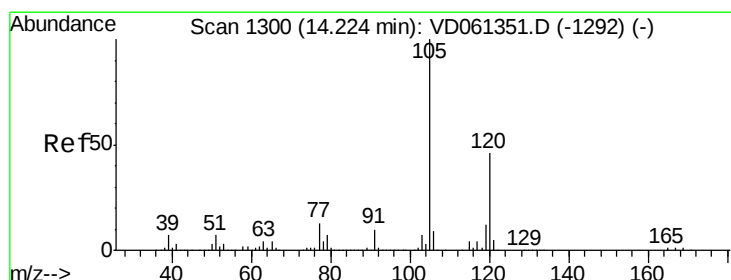
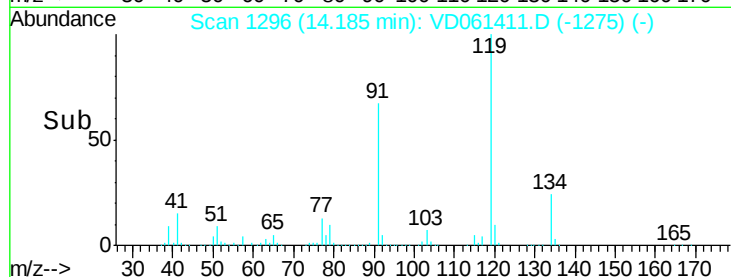
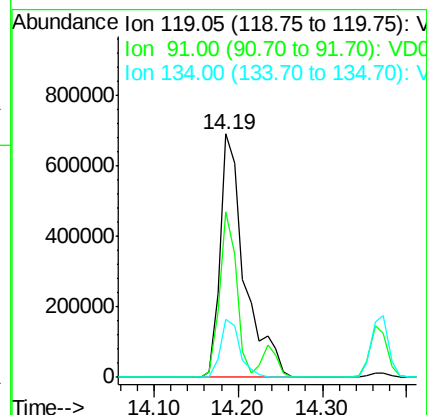
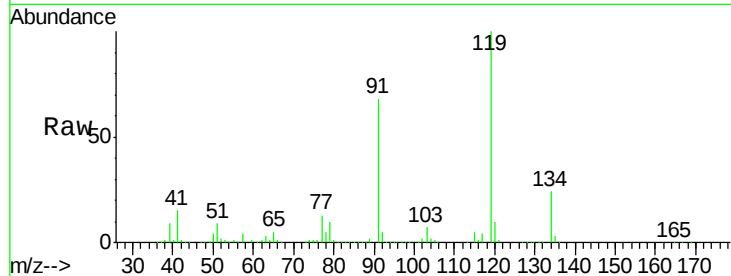




#83
tert-Butylbenzene
Concen: 49.007 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

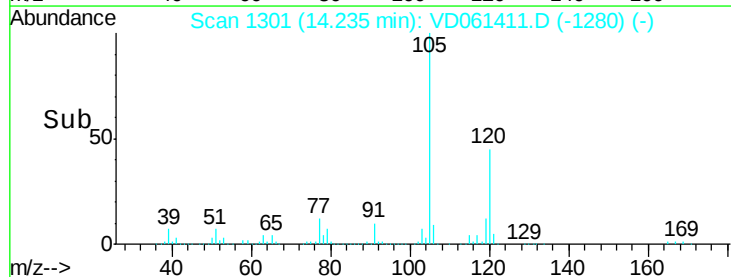
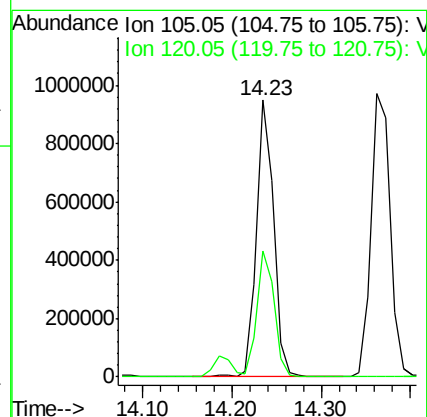
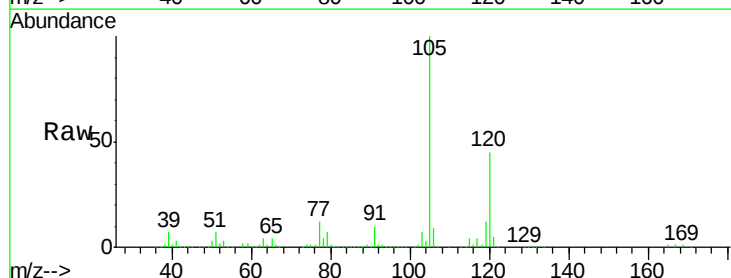
Instrument :
MSVOA_D
ClientSampled :

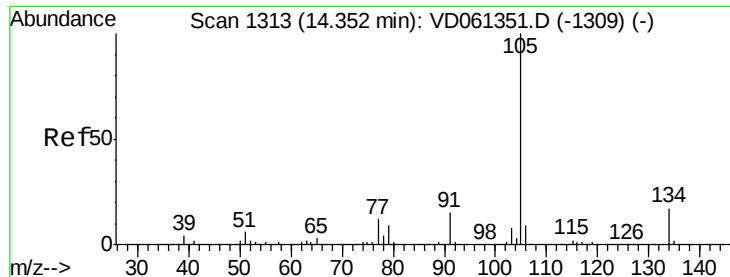
Tot Ion:119 Resp: 1397554
Ion Ratio Lower Upper
119 100
91 67.9 34.1 102.3
134 24.0 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 50.461 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061411.D
Acq: 29 Mar 2019 2:28

Tgt Ion:105 Resp: 1246619
Ion Ratio Lower Upper
105 100
120 45.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 46.972 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

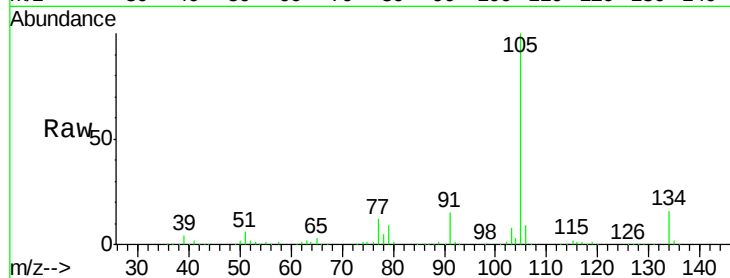
ClientSampleId :

Tot Ion:105 Resp: 1423030

Ion Ratio Lower Upper

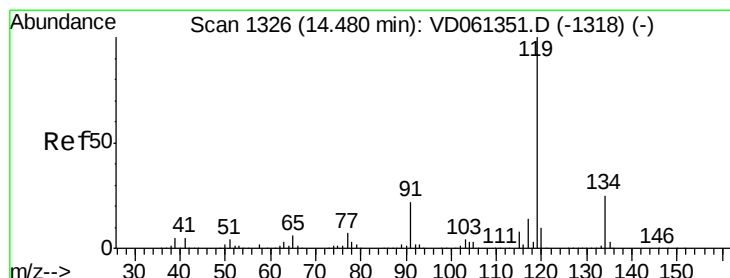
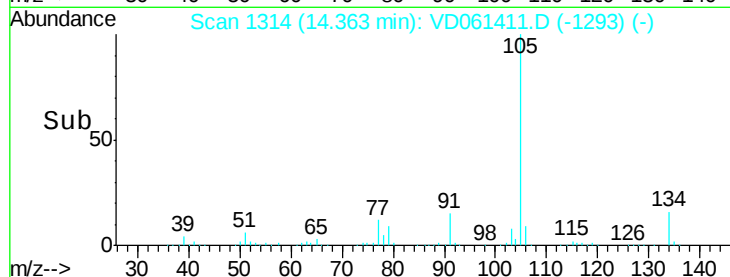
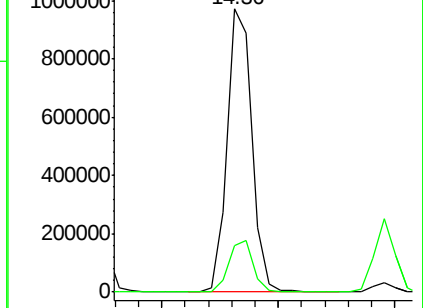
105 100

134 16.3 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: 48.100 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

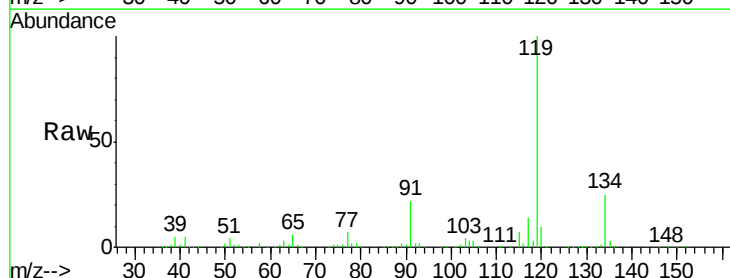
Tgt Ion:119 Resp: 1232217

Ion Ratio Lower Upper

119 100

134 24.8 12.3 36.8

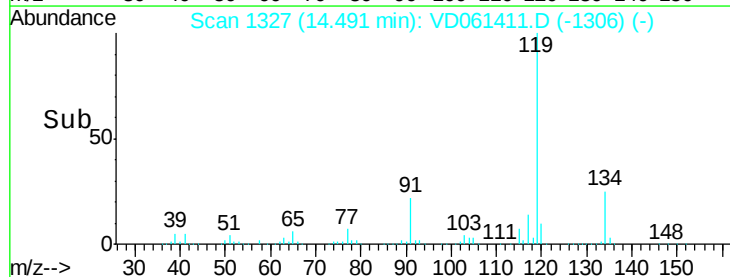
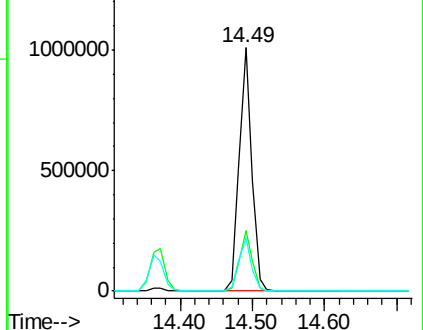
91 21.8 11.1 33.1



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

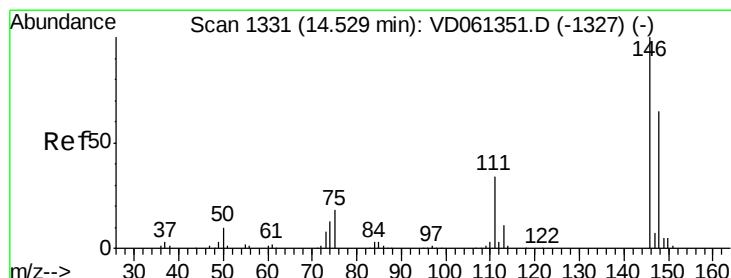
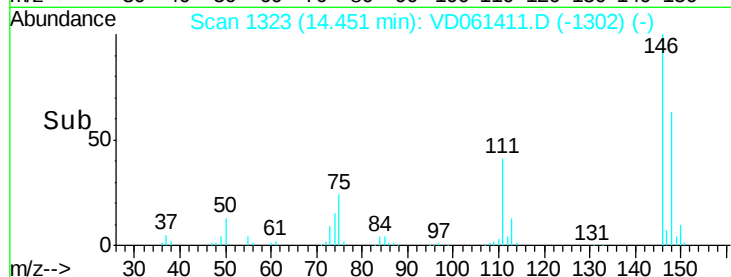
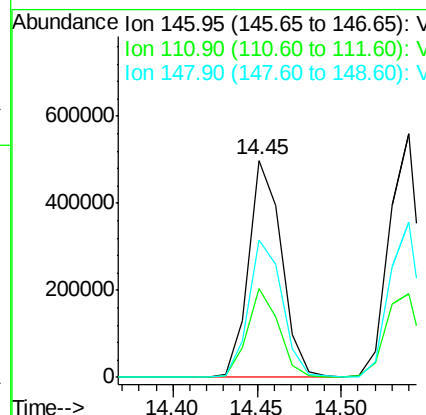
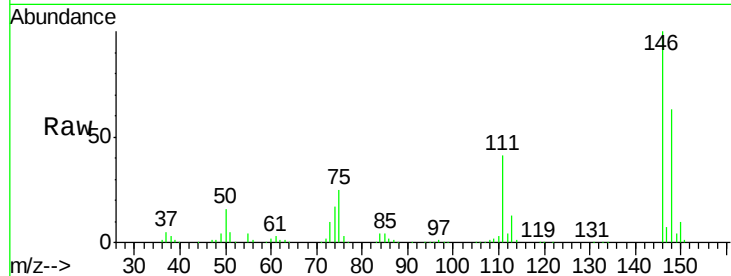




#87
 1,3-Dichlorobenzene
 Concen: 46.084 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

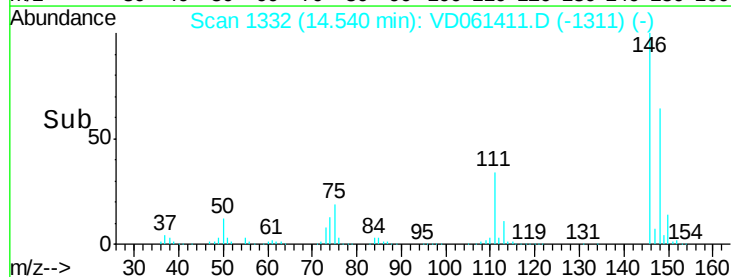
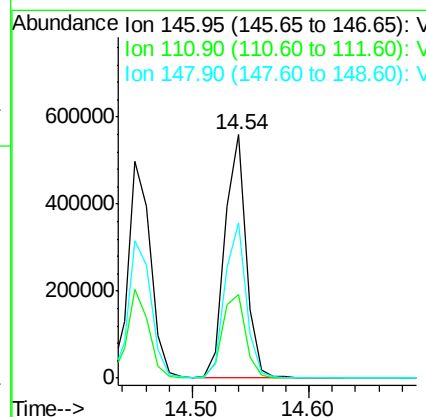
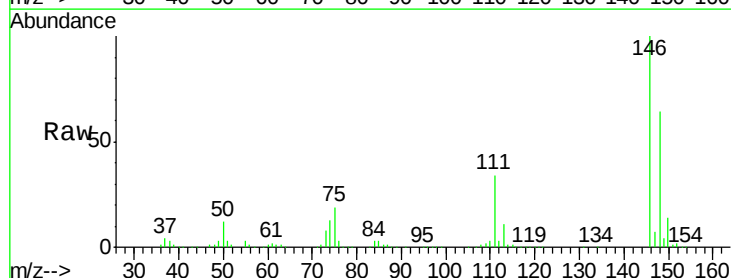
Instrument :
 MSVOA_D
 ClientSampled :

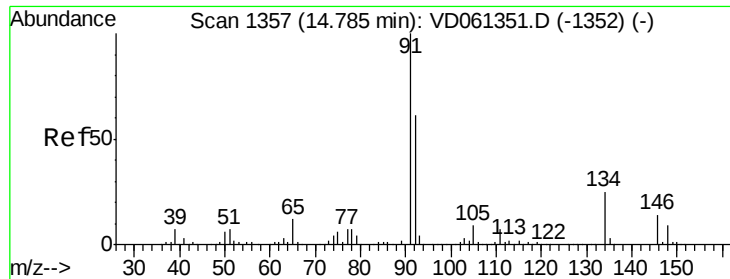
Tot Ion:146 Resp: 680417
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.6 61.9
 148 63.0 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 49.306 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Tgt Ion:146 Resp: 709930
 Ion Ratio Lower Upper
 146 100
 111 34.2 16.8 50.4
 148 64.0 32.6 98.0





#89

n-Butylbenzene

Concen: 48.907 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

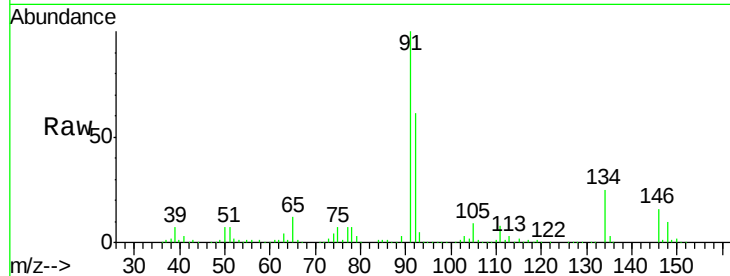
Tot Ion: 91 Resp: 1149947

Ion Ratio Lower Upper

91 100

92 61.4 30.3 91.0

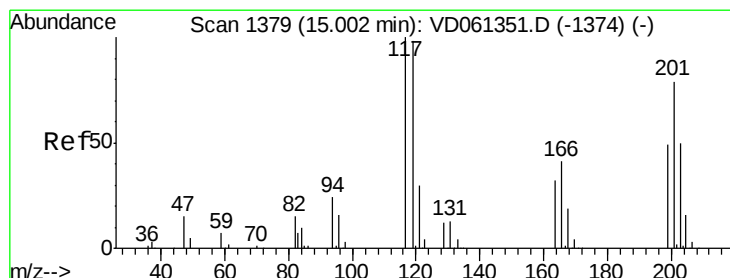
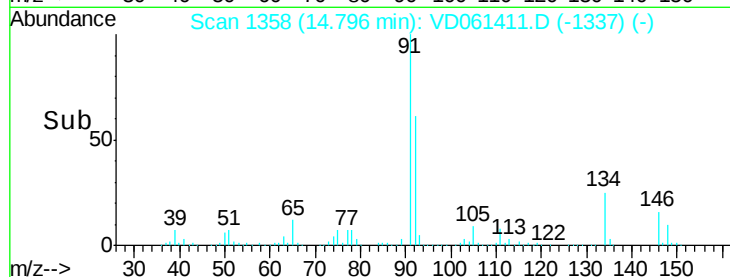
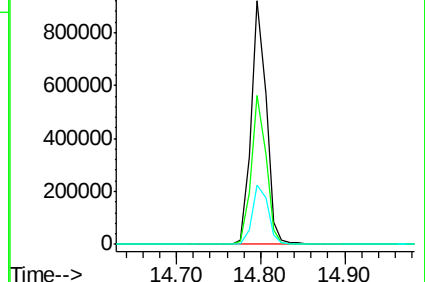
134 24.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 51.017 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061411.D

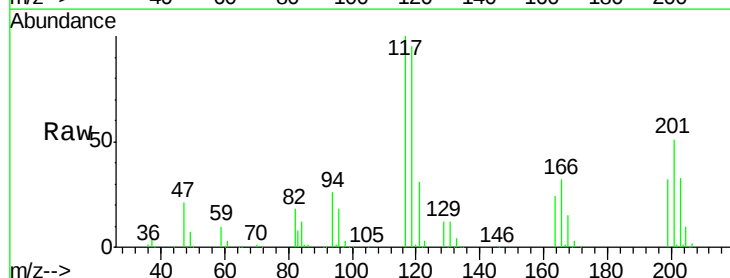
Acq: 29 Mar 2019 2:28

Tgt Ion: 117 Resp: 369225

Ion Ratio Lower Upper

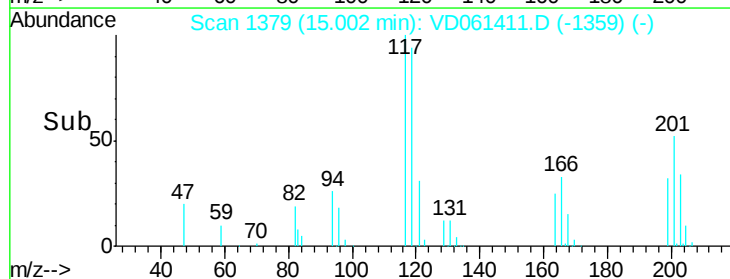
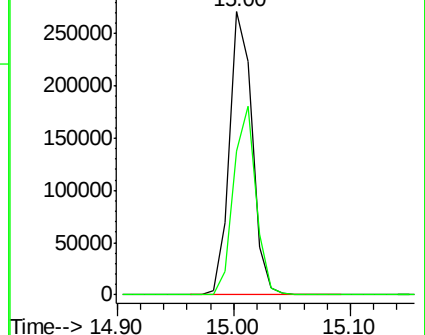
117 100

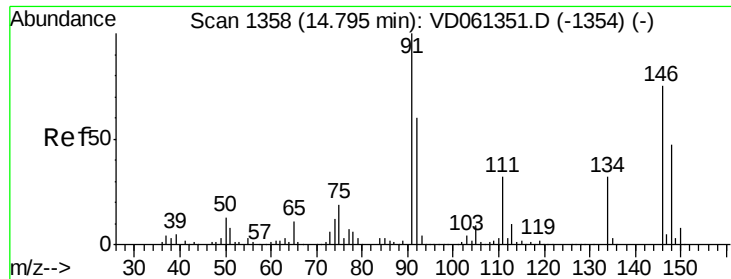
201 50.6 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 53.371 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

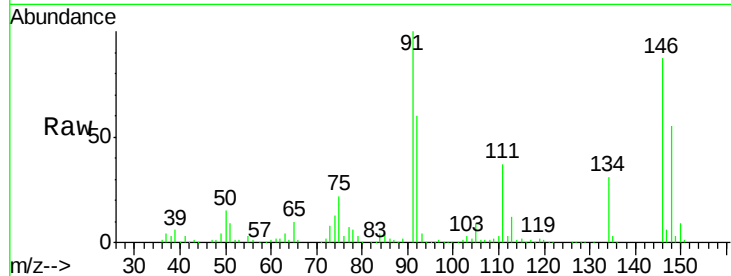
Tot Ion:146 Resp: 646358

Ion Ratio Lower Upper

146 100

111 42.3 21.2 63.6

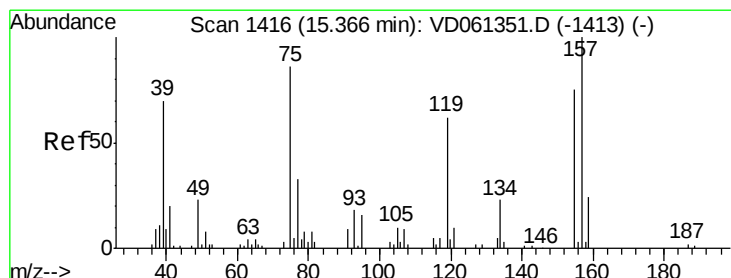
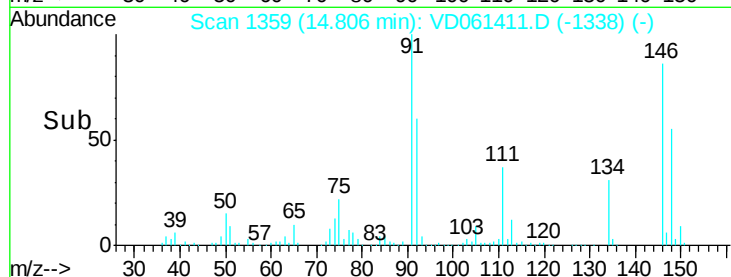
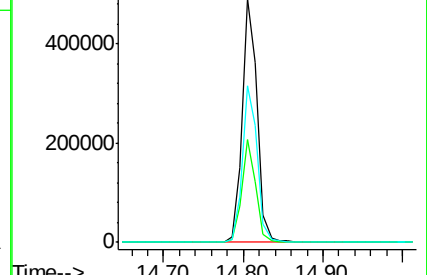
148 64.1 31.6 95.0



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: 53.928 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

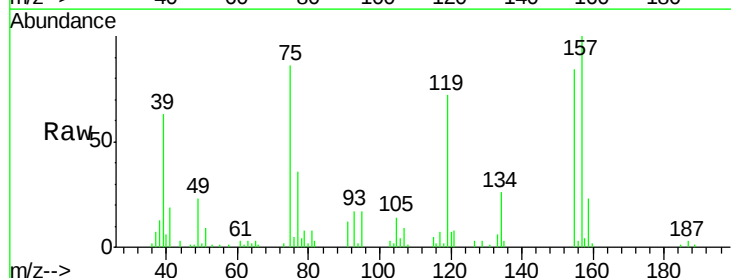
Tgt Ion: 75 Resp: 39241

Ion Ratio Lower Upper

75 100

155 97.7 43.6 130.9

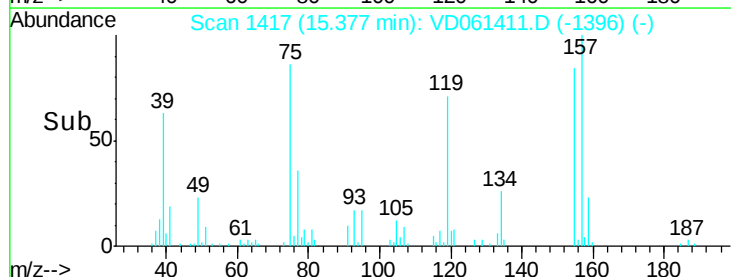
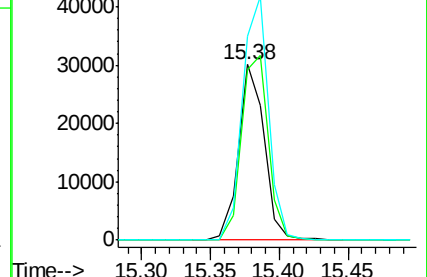
157 116.5 58.5 175.3

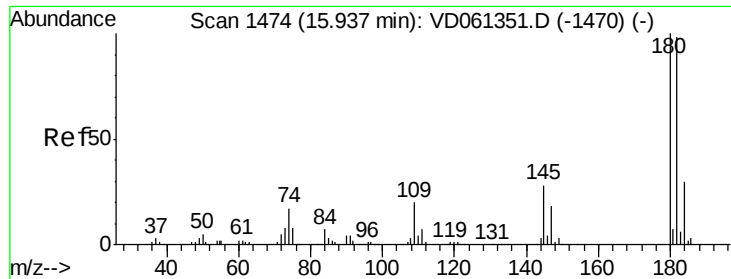


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

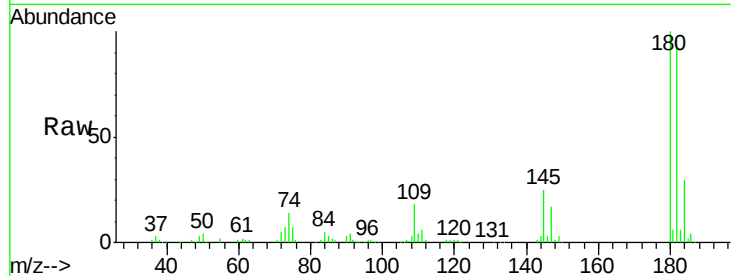




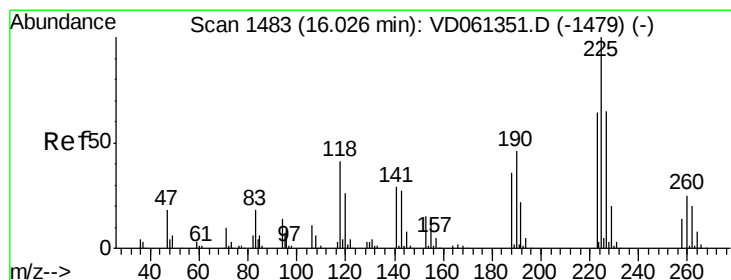
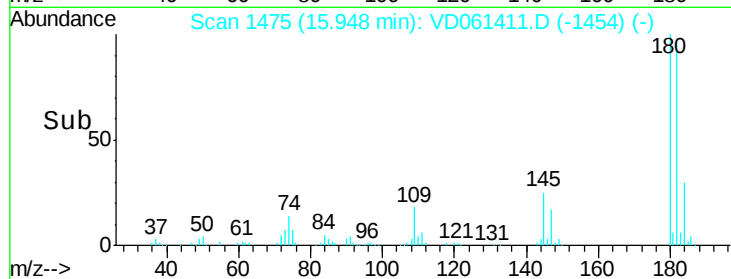
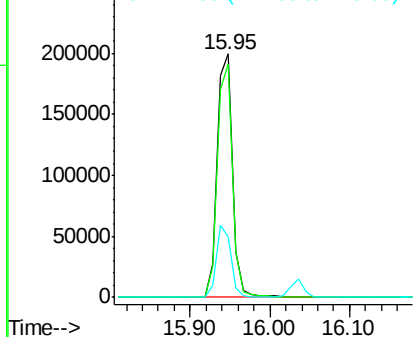
#93
 1,2,4-Trichlorobenzene
 Concen: 49.413 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 272605
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.9 146.8
 145 25.1 14.1 42.3

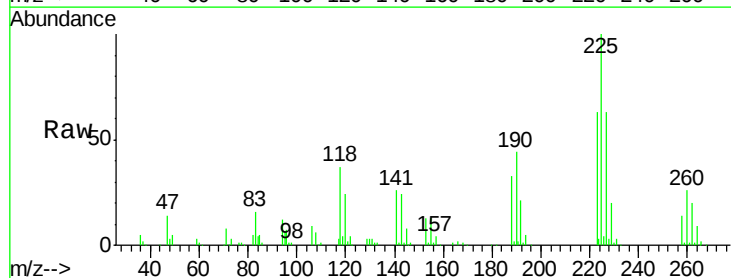


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

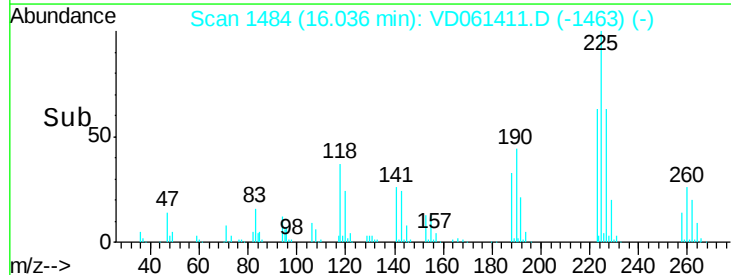
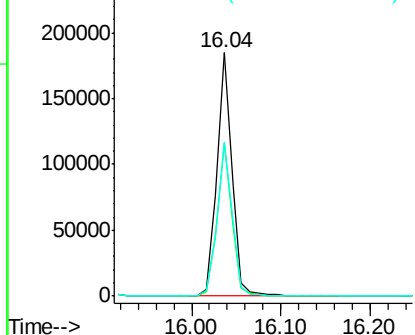


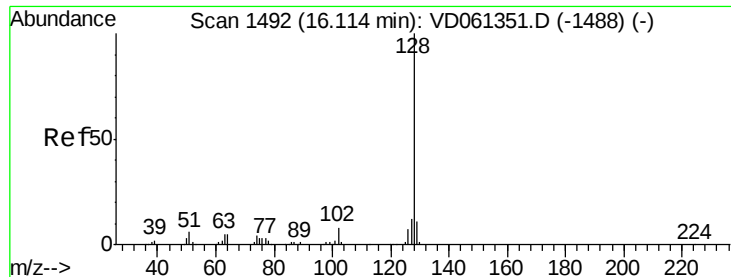
#94
 Hexachlorobutadiene
 Concen: 50.488 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061411.D
 Acq: 29 Mar 2019 2:28

Tgt Ion:225 Resp: 217655
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.0 96.0
 227 63.5 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: 49.427 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

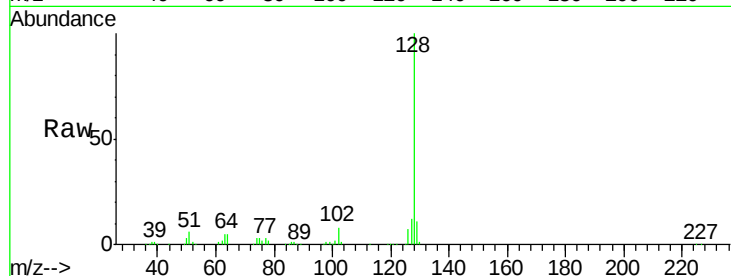
Tot Ion:128 Resp: 415639

Ion Ratio Lower Upper

128 100

127 12.2 9.9 14.9

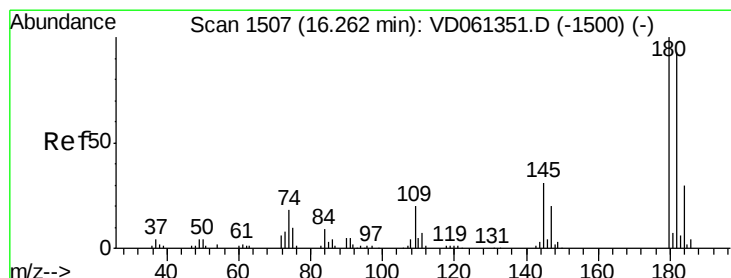
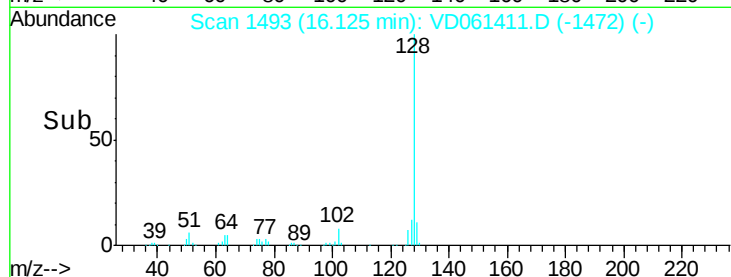
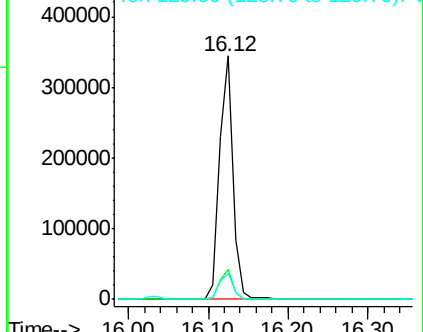
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.014 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

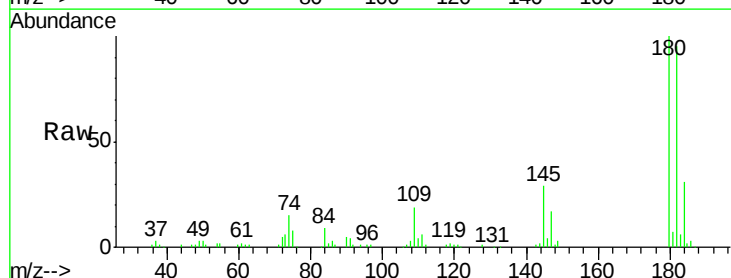
Tgt Ion:180 Resp: 114133

Ion Ratio Lower Upper

180 100

182 95.4 46.4 139.1

145 29.1 15.3 45.9



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

