

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061697.D
 Acq On : 10 Apr 2019 3:54
 Operator : VA/AP
 Sample : VD0409SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

Quant Time: Apr 10 04:17:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	563482	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	958976	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	798793	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	357466	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	231681	54.24	ug/l	0.02
Spiked Amount			Recovery	=	108.48%	
35) Dibromofluoromethane	6.95	113	334895	50.41	ug/l	0.03
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	10.43	98	780298	46.75	ug/l	0.02
Spiked Amount			Recovery	=	93.50%	
62) 4-Bromofluorobenzene	13.57	95	288329	48.92	ug/l	0.01
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	105882	17.418	ug/l	97
3) Chloromethane	1.75	50	93530	19.039	ug/l	97
4) Vinyl Chloride	1.85	62	81146	17.677	ug/l	97
5) Bromomethane	2.15	94	18594	17.501	ug/l	92
6) Chloroethane	2.26	64	30145	20.967	ug/l	99
7) Trichlorofluoromethane	2.53	101	131724	19.005	ug/l	95
8) Diethyl Ether	2.88	74	45795	23.543	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.16	101	139345	20.450	ug/l	96
10) Methyl Iodide	3.32	142	170124	19.173	ug/l	92
11) Tert butyl alcohol	4.08	59	31534	110.163	ug/l #	92
12) 1,1-Dichloroethene	3.14	96	117642	20.027	ug/l	99
13) Acrolein	3.04	56	30877	88.473	ug/l	93
14) Allyl chloride	3.64	41	158213	19.747	ug/l	98
15) Acrylonitrile	4.22	53	105143	106.705	ug/l	92
16) Acetone	3.23	43	99107	77.622	ug/l	97
17) Carbon Disulfide	3.39	76	338141	17.716	ug/l	100
18) Methyl Acetate	3.65	43	53874	22.427	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	229737	22.587	ug/l	99
20) Methylene Chloride	3.83	84	150972	20.837	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	129018	20.222	ug/l	97
22) Diisopropyl ether	5.14	45	366763	21.834	ug/l	99
23) Vinyl Acetate	5.08	43	1026799	110.781	ug/l	98
24) 1,1-Dichloroethane	5.01	63	210349	20.435	ug/l	99
25) 2-Butanone	6.10	43	154534	104.988	ug/l	99
26) 2,2-Dichloropropane	6.05	77	166873	19.909	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	153669	22.577	ug/l	96
28) Bromochloromethane	6.46	49	76967	20.270	ug/l	93
29) Tetrahydrofuran	6.48	42	79211	111.479	ug/l	99
30) Chloroform	6.69	83	235974	21.883	ug/l	98
31) Cyclohexane	6.98	56	145131	18.048	ug/l	95
32) 1,1,1-Trichloroethane	6.89	97	189185	20.020	ug/l	99
36) 1,1-Dichloropropene	7.17	75	168193	20.040	ug/l	98
37) Ethyl Acetate	6.20	43	72345	21.163	ug/l #	93
38) Carbon Tetrachloride	7.14	117	190919	19.410	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	155070	17.997	ug/l	98
40) Benzene	7.48	78	439409	21.702	ug/l	100
41) Methacrylonitrile	6.47	41	90747	22.740	ug/l	96
42) 1,2-Dichloroethane	7.60	62	143839	22.589	ug/l	98
43) Isopropyl Acetate	9.26	43	103541	20.870	ug/l #	100
44) Trichloroethene	8.57	130	156166	20.119	ug/l	89
45) 1,2-Dichloropropane	8.96	63	104975	20.906	ug/l	99
46) Dibromomethane	9.09	93	75615	21.070	ug/l	97
47) Bromodichloromethane	9.39	83	169729	21.534	ug/l	97
48) Methyl methacrylate	9.14	41	59228	20.710	ug/l	94
49) 1,4-Dioxane	9.11	88	13038	413.031	ug/l #	80
51) 4-Methyl-2-Pentanone	10.32	43	337984	115.193	ug/l	99
52) Toluene	10.53	92	277802	21.972	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	151297	21.899	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	184749	21.692	ug/l	98
55) 1,1,2-Trichloroethane	11.22	97	91927	21.558	ug/l	95
56) Ethyl methacrylate	11.06	69	99208	22.054	ug/l	93
57) 1,3-Dichloropropane	11.43	76	126986	20.335	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	248881	117.254	ug/l	97
59) 2-Hexanone	11.55	43	228598	100.391	ug/l	98
60) Dibromochloromethane	11.71	129	147310	21.865	ug/l	100
61) 1,2-Dibromoethane	11.83	107	108985	21.854	ug/l	98
64) Tetrachloroethene	11.27	164	123013	19.839	ug/l	98
65) Chlorobenzene	12.42	112	338931	21.396	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	139158	22.829	ug/l	98
67) Ethyl Benzene	12.53	91	534068	22.140	ug/l	99
68) m/p-Xylenes	12.68	106	385549	41.458	ug/l	96
69) o-Xylene	13.07	106	196539	21.893	ug/l	92
70) Styrene	13.09	104	320166	20.884	ug/l	98
71) Bromoform	13.25	173	81373	21.515	ug/l #	97
73) Isopropylbenzene	13.42	105	491299	20.627	ug/l	94
74) N-amyl acetate	13.27	43	135813	20.986	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.72	83	108226	21.975	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	109438	22.503	ug/l	100
77) Bromobenzene	13.69	156	159369	23.051	ug/l	80
78) n-propylbenzene	13.78	91	648061	22.746	ug/l	99
79) 2-Chlorotoluene	13.85	91	371681	22.812	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	408092	21.587	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	29097	19.716	ug/l	91
82) 4-Chlorotoluene	13.96	91	391848	21.948	ug/l	98
83) tert-Butylbenzene	14.20	119	484372	21.250	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	429055	22.487	ug/l	98
85) sec-Butylbenzene	14.38	105	479312	19.463	ug/l	100
86) p-Isopropyltoluene	14.50	119	440802	20.633	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	272940	22.939	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	271481	22.613	ug/l	98
89) n-Butylbenzene	14.81	91	382160	20.580	ug/l	100
90) Hexachloroethane	15.02	117	122580	21.146	ug/l	94
91) 1,2-Dichlorobenzene	14.82	146	211370	21.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12857	21.634	ug/l	97

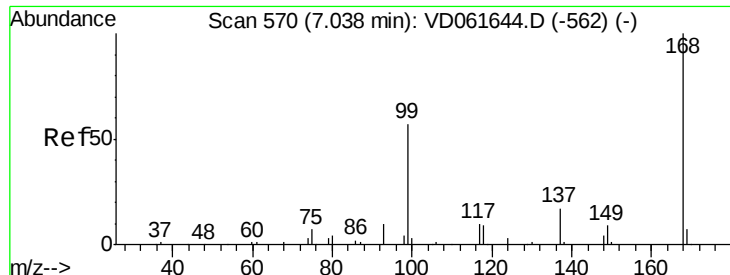
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	129439	25.908	ug/l	99
94) Hexachlorobutadiene	16.05	225	84761	21.972	ug/l	96
95) Naphthalene	16.14	128	209743	26.532	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	81018	32.493	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

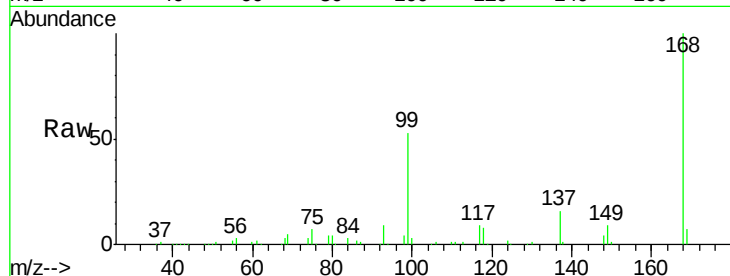
VD0409SBS02

Tot Ion:168 Resp: 563482

Ion Ratio Lower Upper

168 100

99 52.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

150000

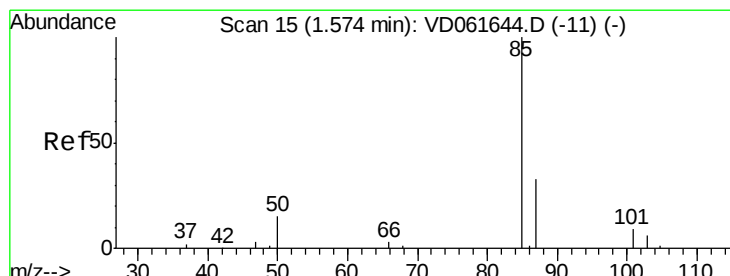
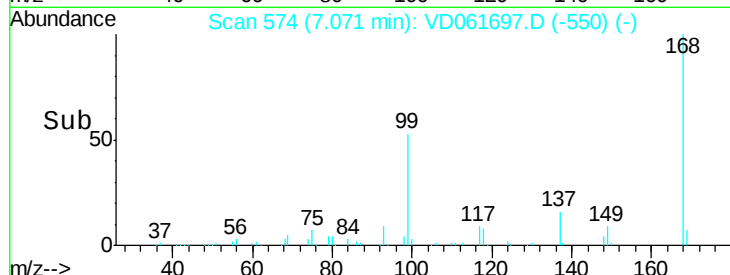
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 17.418 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061697.D

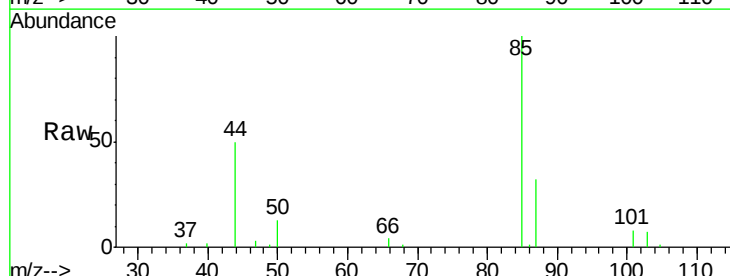
Acq: 10 Apr 2019 3:54

Tgt Ion: 85 Resp: 105882

Ion Ratio Lower Upper

85 100

87 31.7 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

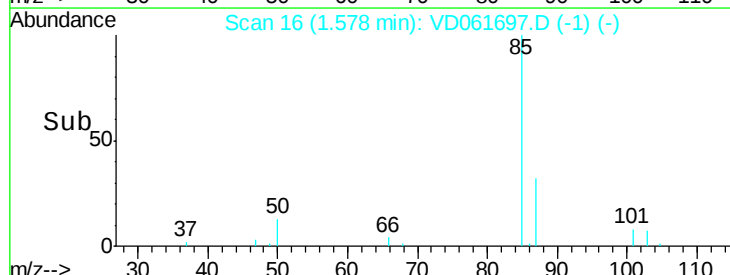
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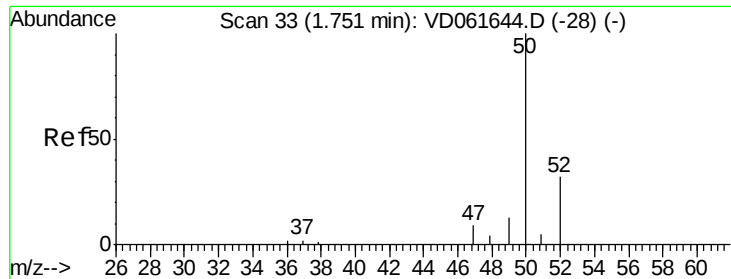
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.039 ug/l

RT: 1.75 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

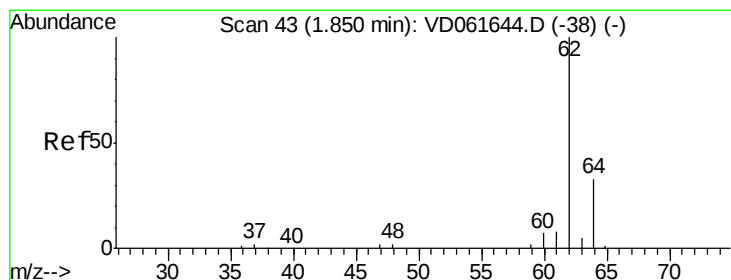
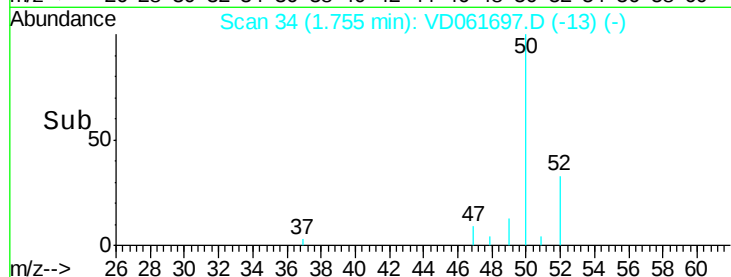
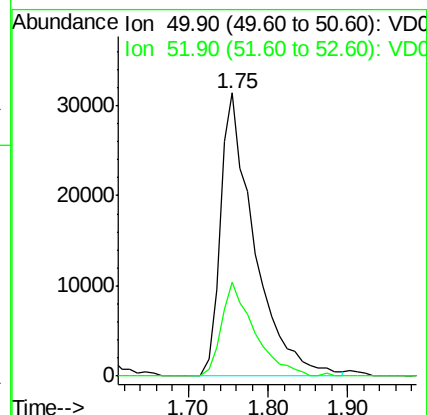
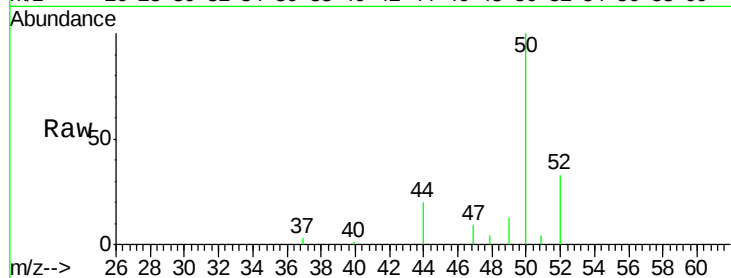
VD0409SBS02

Tot Ion: 50 Resp: 93530

Ion Ratio Lower Upper

50 100

52 33.2 25.1 37.7



#4

Vinyl Chloride

Concen: 17.677 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061697.D

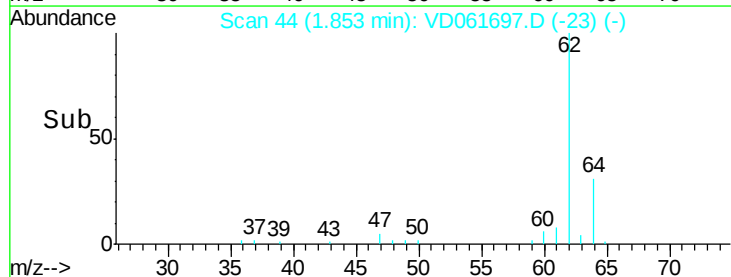
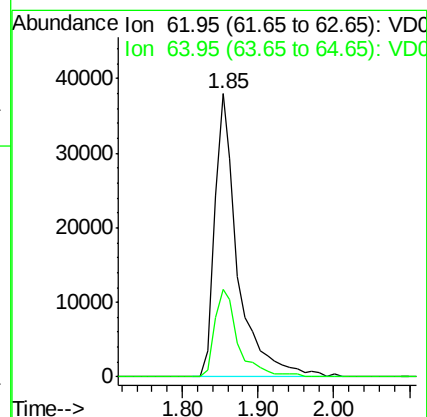
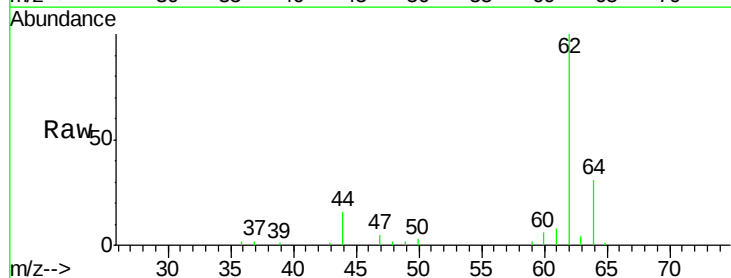
Acq: 10 Apr 2019 3:54

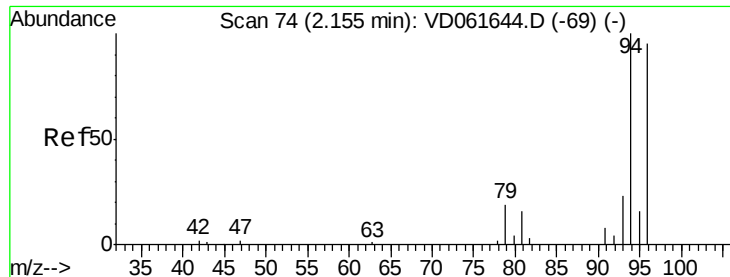
Tgt Ion: 62 Resp: 81146

Ion Ratio Lower Upper

62 100

64 31.0 26.2 39.2





#5

Bromomethane

Concen: 17.501 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

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VD0409SBS02

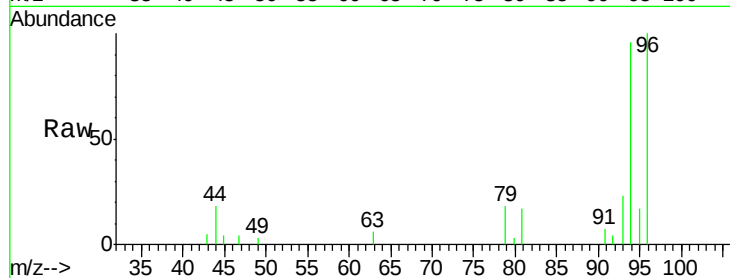
Tot Ion: 94 Resp: 18594

Ion Ratio Lower Upper

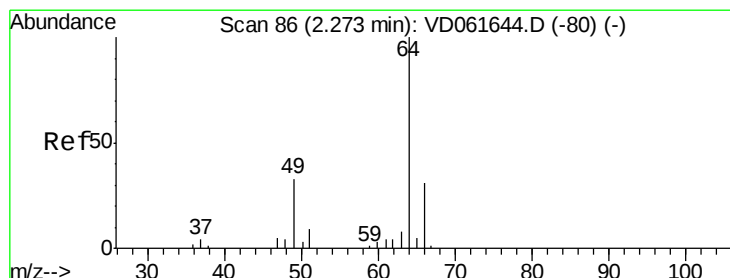
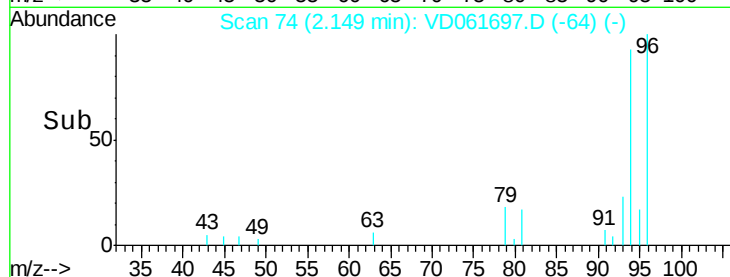
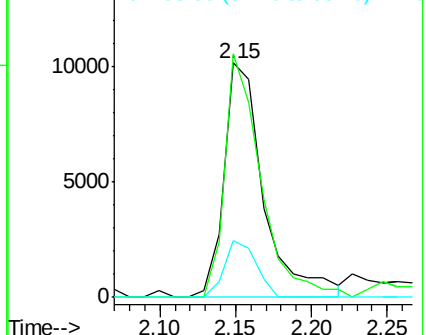
94 100

96 103.8 75.8 113.8

93 24.1 18.6 28.0



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: 20.967 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061697.D

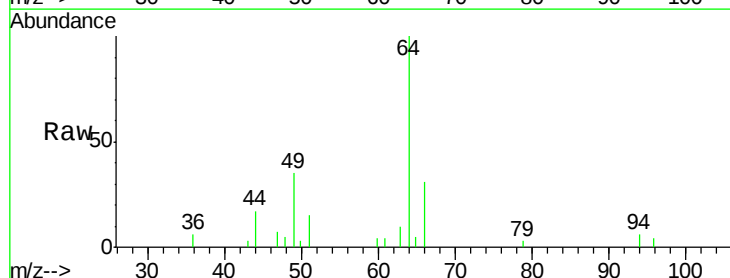
Acq: 10 Apr 2019 3:54

Tgt Ion: 64 Resp: 30145

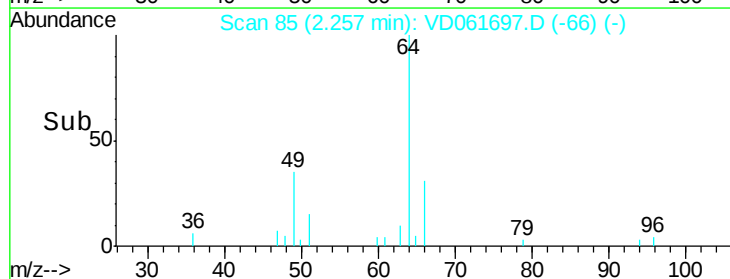
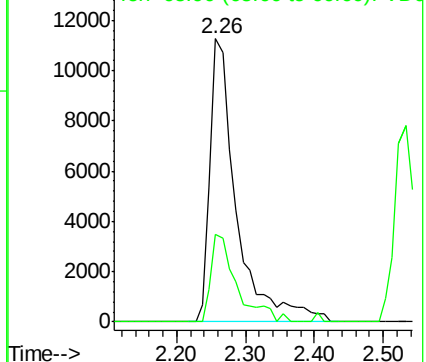
Ion Ratio Lower Upper

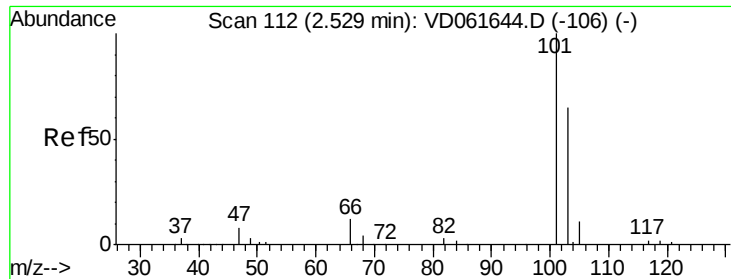
64 100

66 30.8 24.9 37.3



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



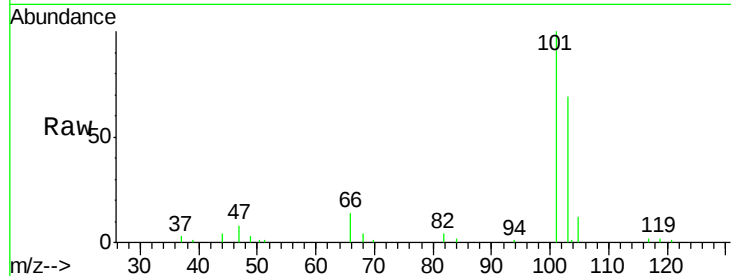


#7

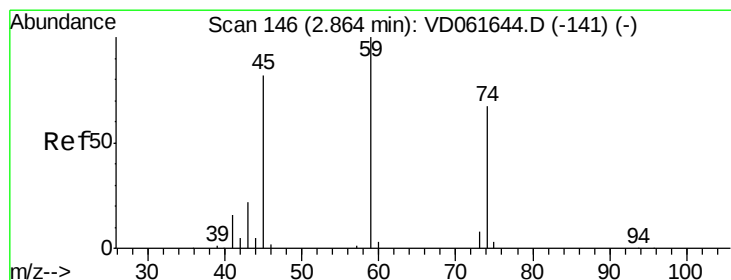
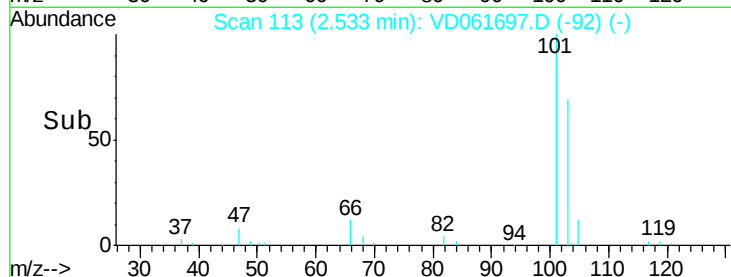
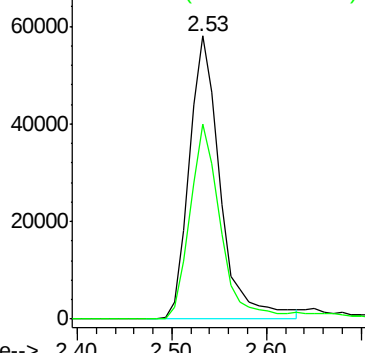
Trichlorofluoromethane
Concen: 19.005 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 131724
Ion Ratio Lower Upper
101 100
103 69.0 52.0 78.0



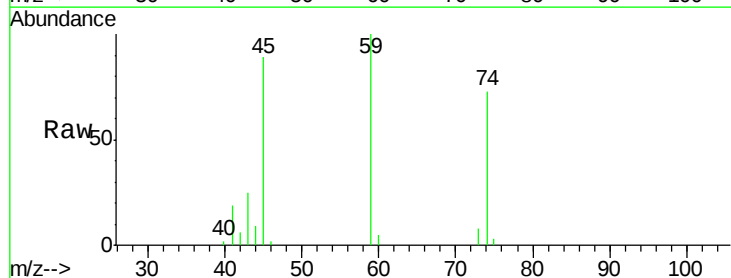
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



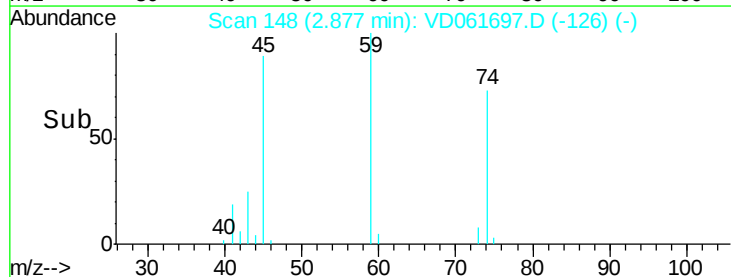
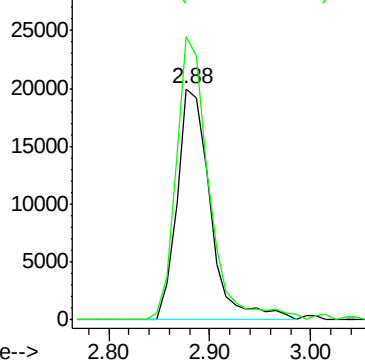
#8

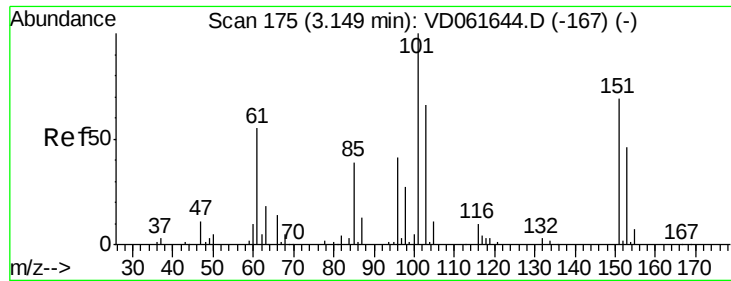
Diethyl Ether
Concen: 23.543 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 74 Resp: 45795
Ion Ratio Lower Upper
74 100
45 122.4 61.0 183.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.450 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

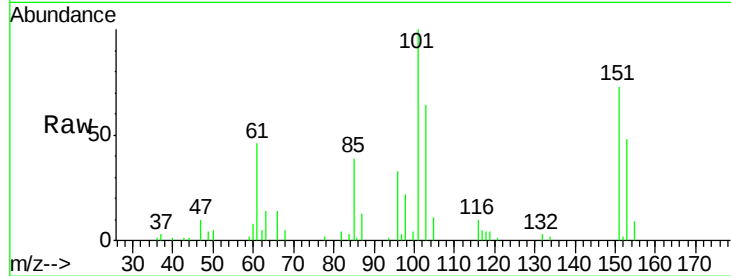
Tot Ion:101 Resp: 139345

Ion Ratio Lower Upper

101 100

85 39.0 31.0 46.6

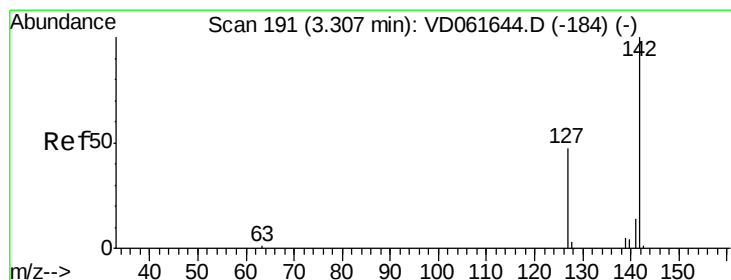
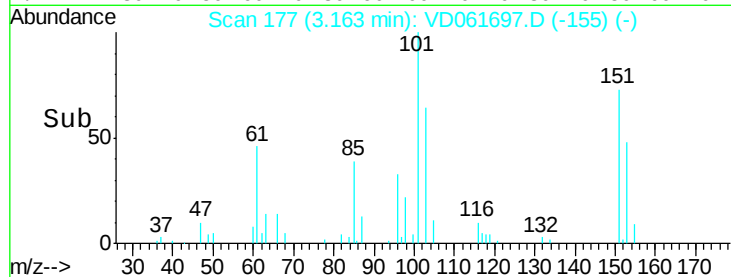
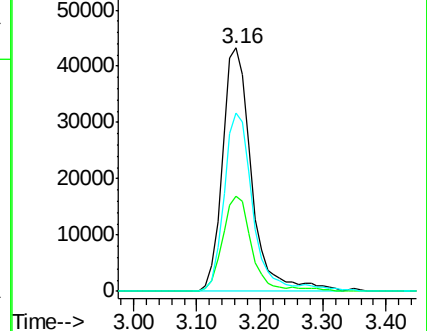
151 73.4 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.173 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

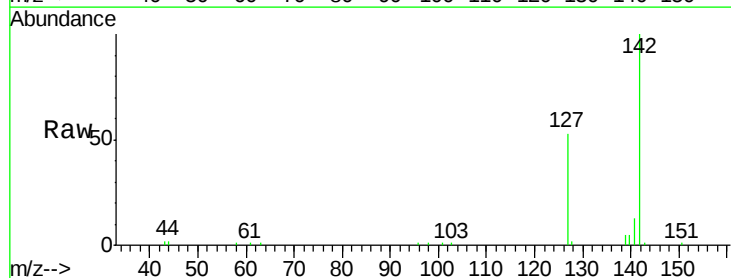
Tgt Ion:142 Resp: 170124

Ion Ratio Lower Upper

142 100

127 52.8 37.2 55.8

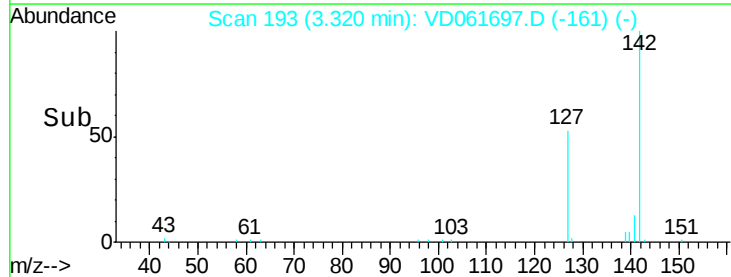
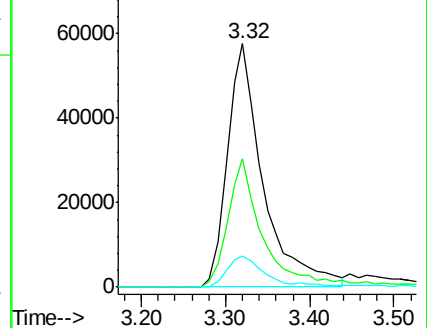
141 12.9 10.8 16.2

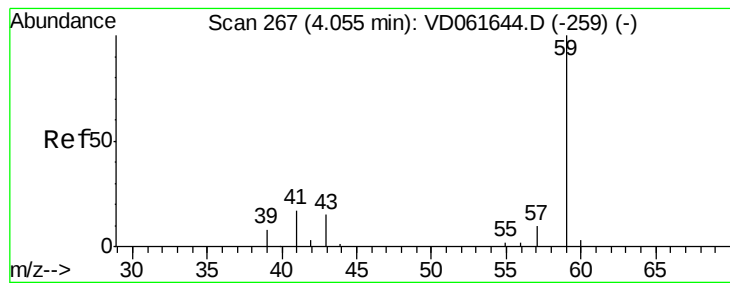


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



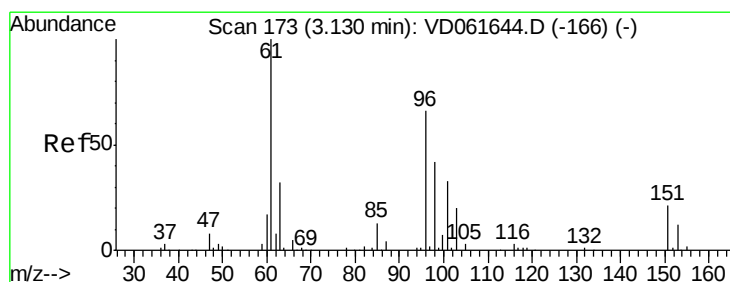
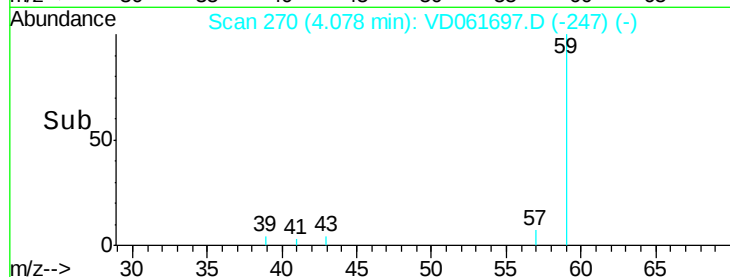
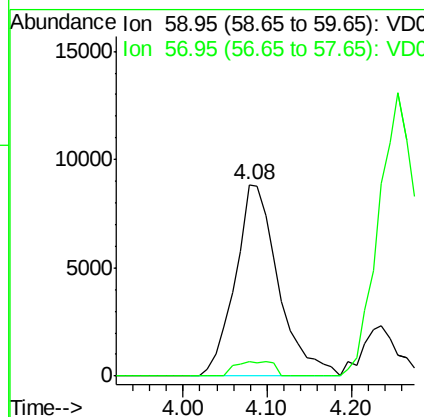
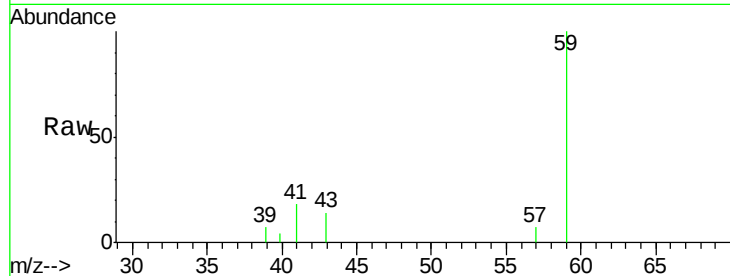


#11

Tert butyl alcohol
 Concen: 110.163 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

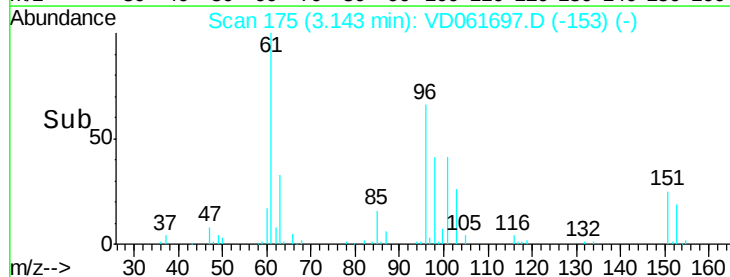
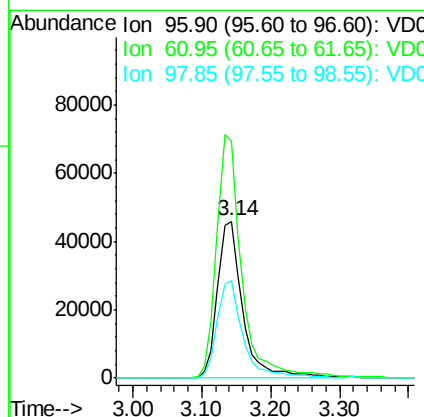
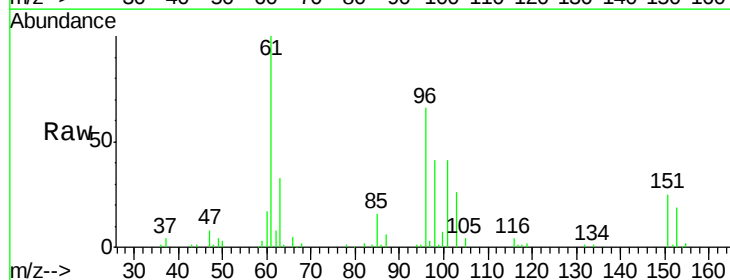
Tot Ion: 59 Resp: 31534
 Ion Ratio Lower Upper
 59 100
 57 7.5 8.4 12.6#

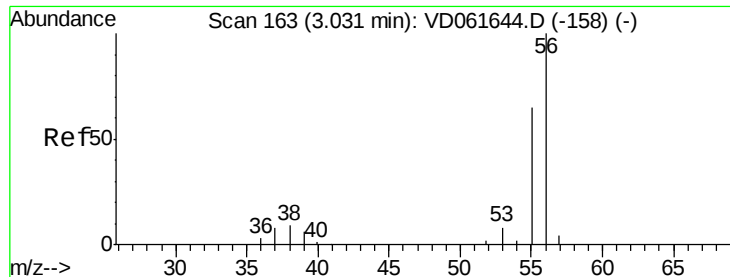


#12

1,1-Dichloroethene
 Concen: 20.027 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 96 Resp: 117642
 Ion Ratio Lower Upper
 96 100
 61 150.8 121.3 181.9
 98 62.1 50.6 76.0





#13

Acrolein

Concen: 88.473 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

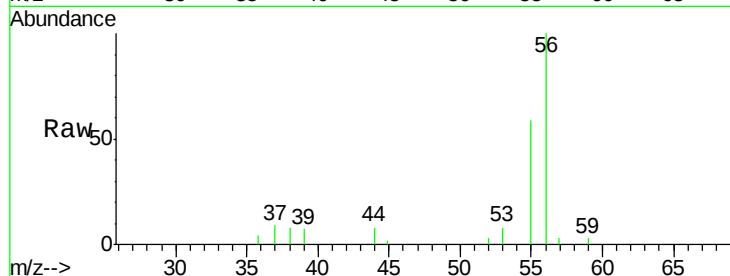
VD0409SBS02

Tot Ion: 56 Resp: 30877

Ion Ratio Lower Upper

56 100

55 59.3 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

10000

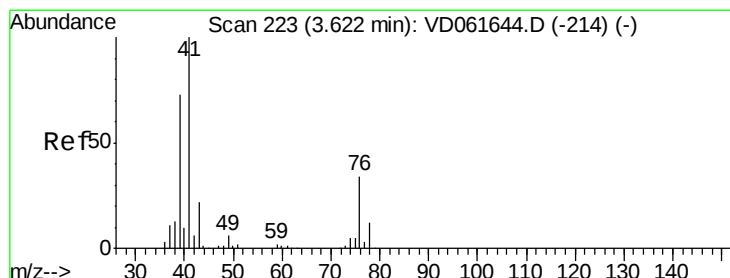
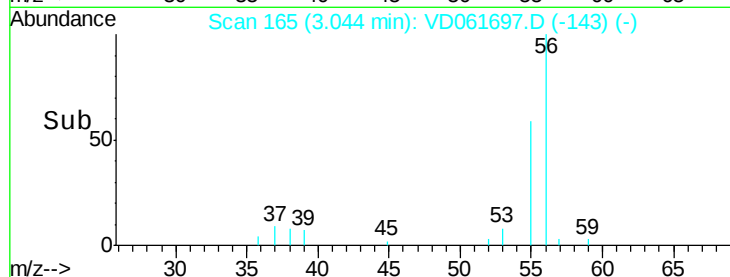
5000

0

Time-->

3.00 3.10 3.20

3.04



#14

Allyl chloride

Concen: 19.747 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

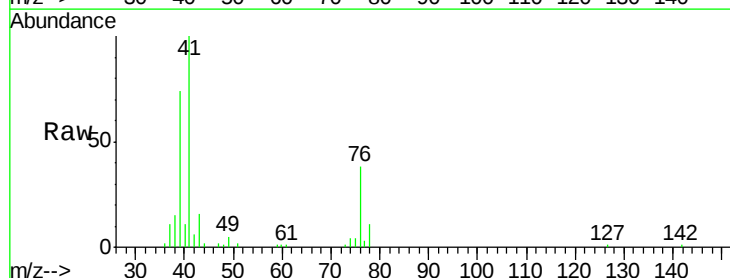
Tgt Ion: 41 Resp: 158213

Ion Ratio Lower Upper

41 100

39 74.2 58.2 87.4

76 38.1 29.8 44.6



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

80000

60000

40000

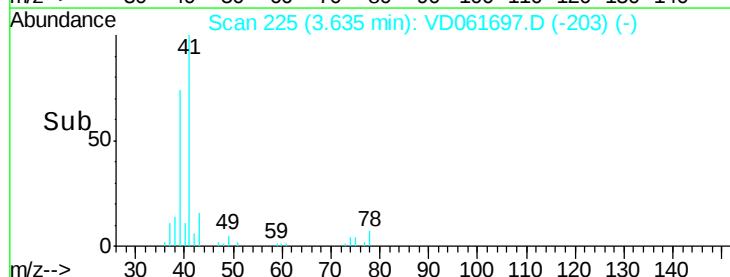
20000

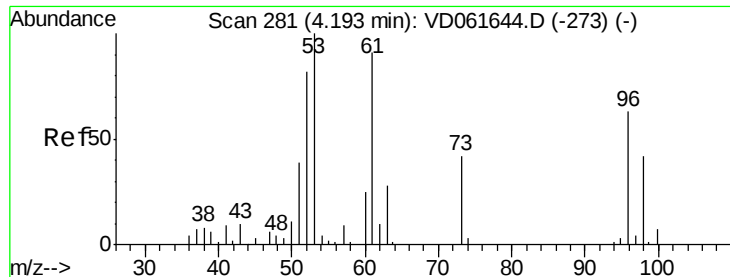
0

Time-->

3.50 3.60 3.70 3.80

3.64





#15

Acrylonitrile

Concen: 106.705 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

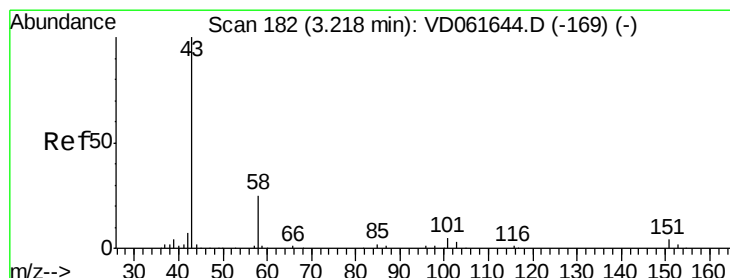
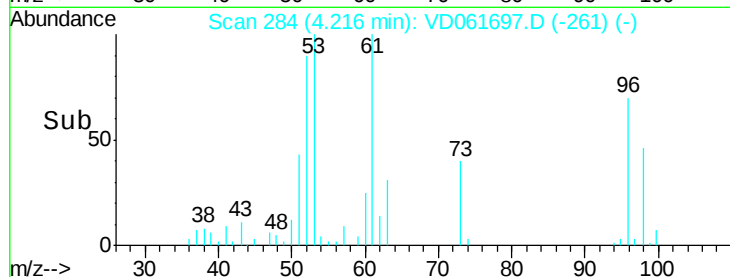
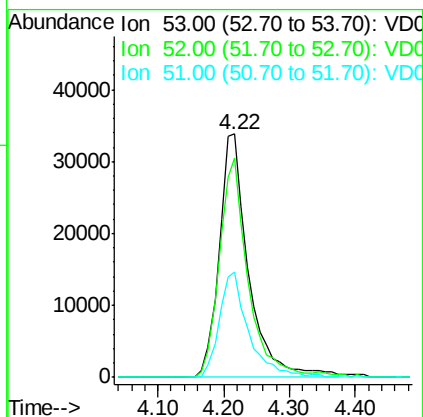
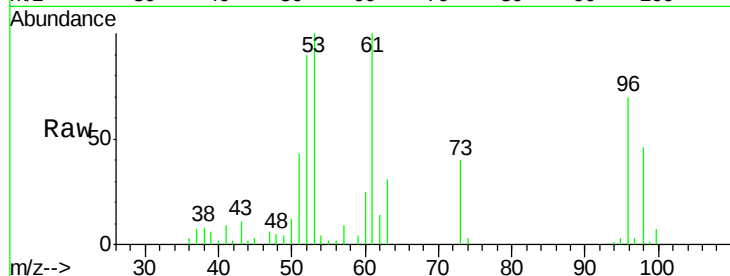
Tot Ion: 53 Resp: 105143

Ion Ratio Lower Upper

53 100

52 90.3 65.9 98.9

51 43.2 31.4 47.2



#16

Acetone

Concen: 77.622 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061697.D

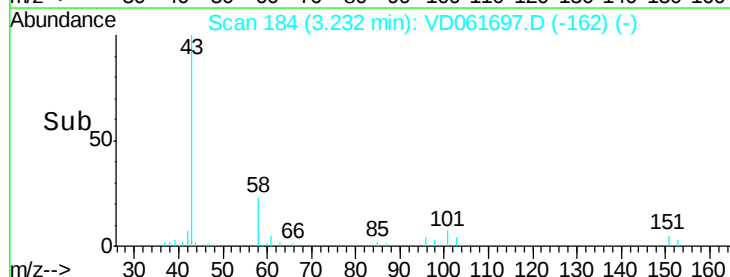
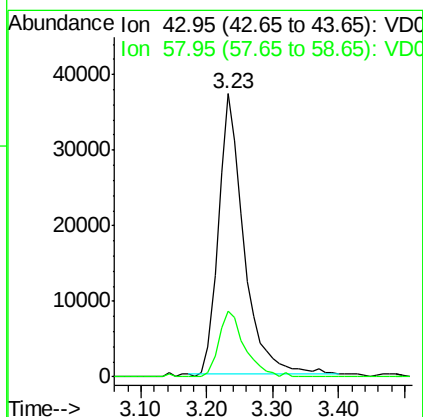
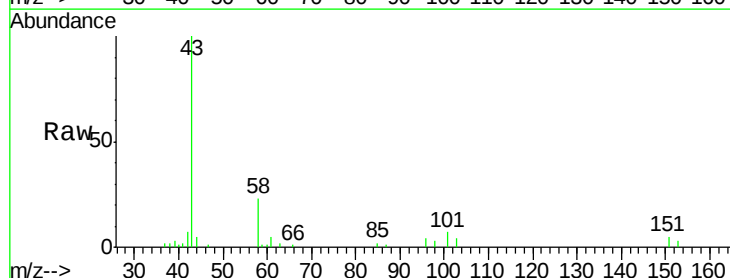
Acq: 10 Apr 2019 3:54

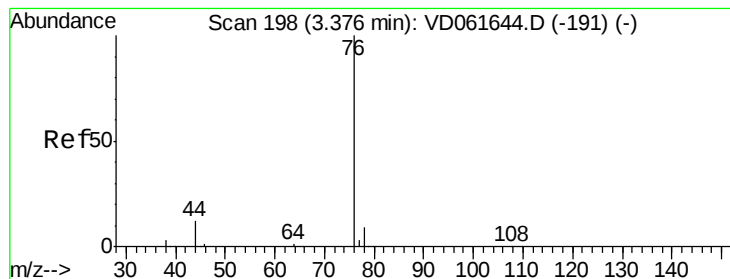
Tgt Ion: 43 Resp: 99107

Ion Ratio Lower Upper

43 100

58 23.3 19.7 29.5





#17

Carbon Disulfide

Concen: 17.716 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

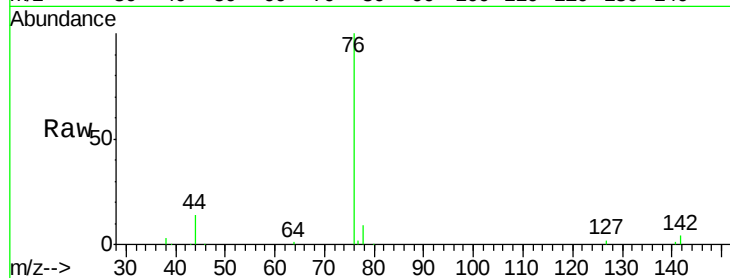
VD0409SBS02

Tot Ion: 76 Resp: 338141

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

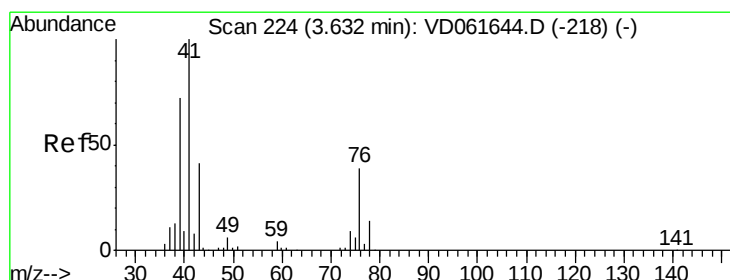
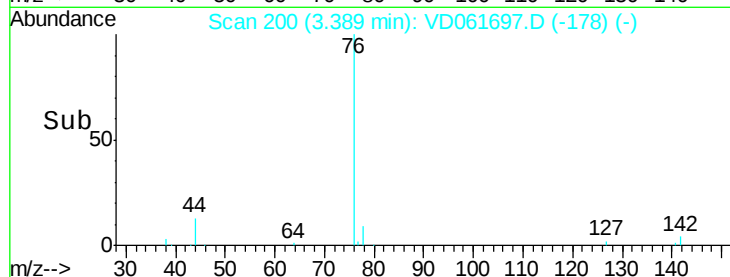
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.427 ug/l

RT: 3.65 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD061697.D

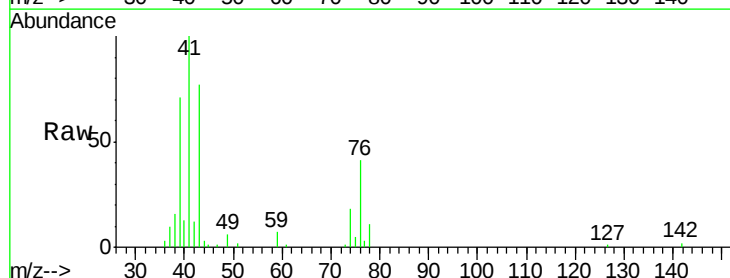
Acq: 10 Apr 2019 3:54

Tgt Ion: 43 Resp: 53874

Ion Ratio Lower Upper

43 100

74 23.2 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

20000

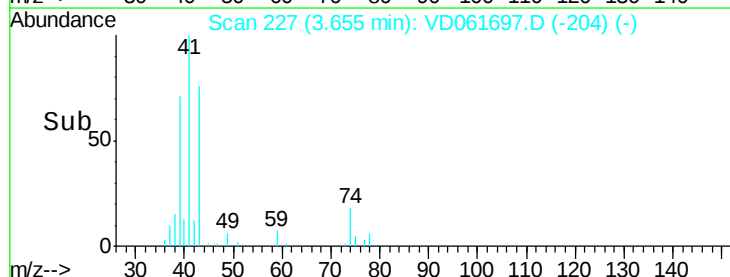
15000

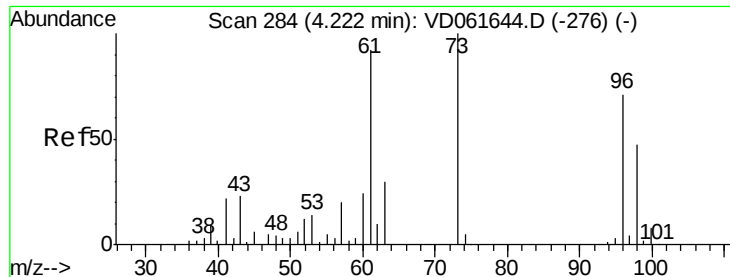
10000

5000

0

Time-->

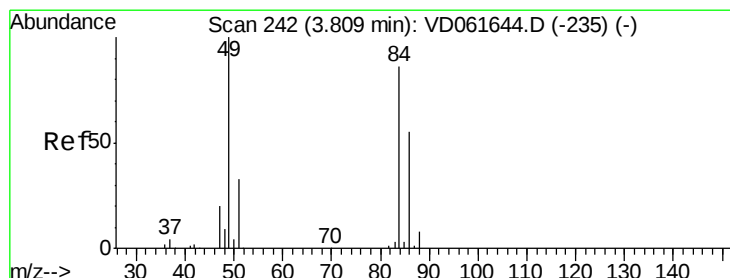
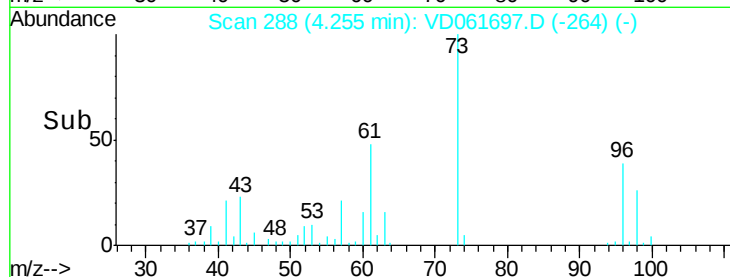
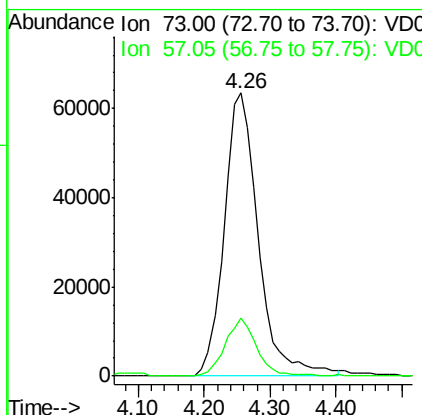
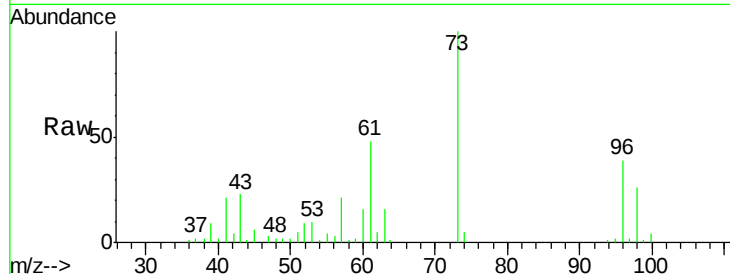




#19
Methvl tert-butvl Ether
Concen: 22.587 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

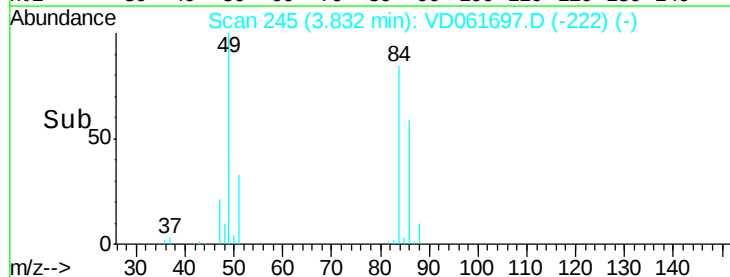
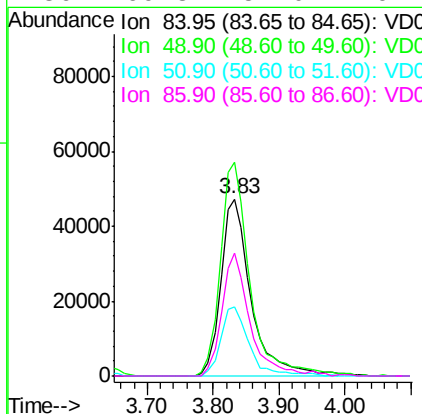
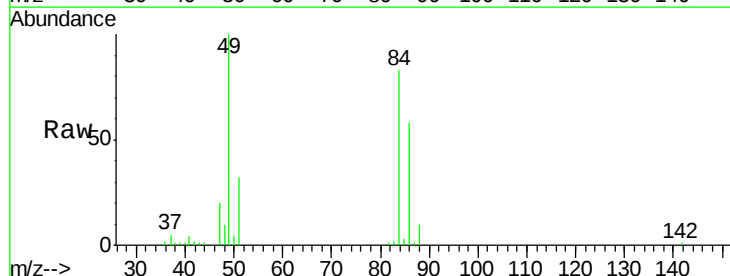
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

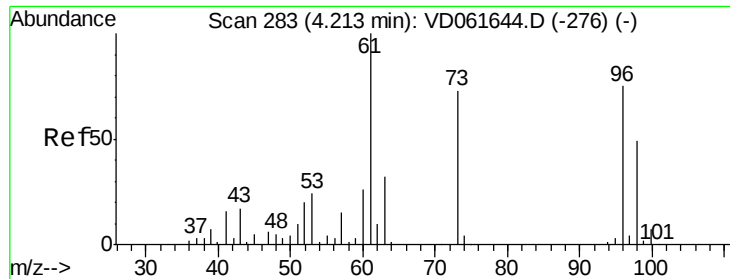
Tot Ion: 73 Resp: 229737
Ion Ratio Lower Upper
73 100
57 20.6 16.0 24.0



#20
Methylene Chloride
Concen: 20.837 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 84 Resp: 150972
Ion Ratio Lower Upper
84 100
49 120.8 93.0 139.4
51 39.1 30.4 45.6
86 69.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.222 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

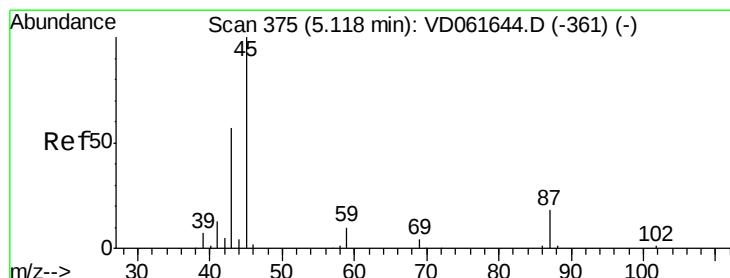
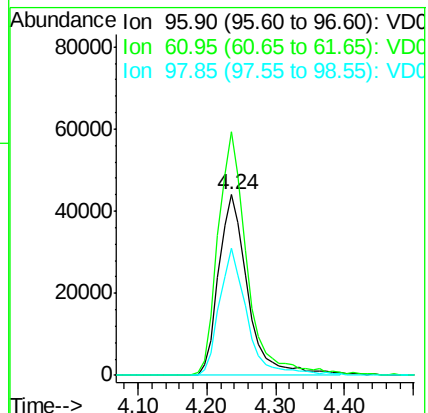
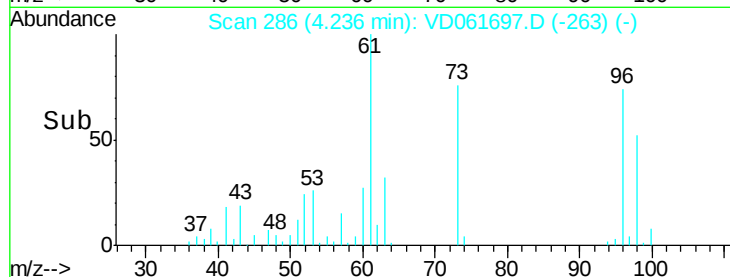
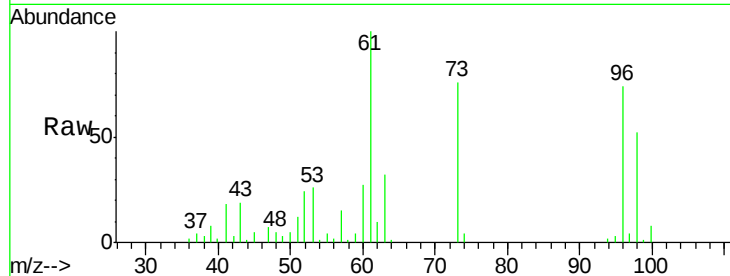
Tot Ion: 96 Resp: 129018

Ion Ratio Lower Upper

96 100

61 134.9 106.8 160.2

98 70.3 52.2 78.2



#22

Diisopropyl ether

Concen: 21.834 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Tgt Ion: 45 Resp: 366763

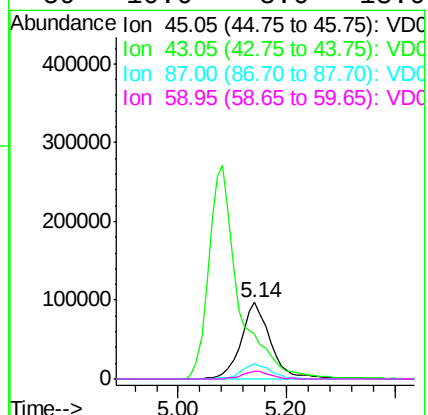
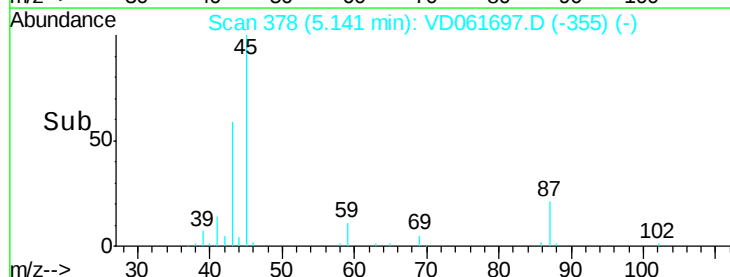
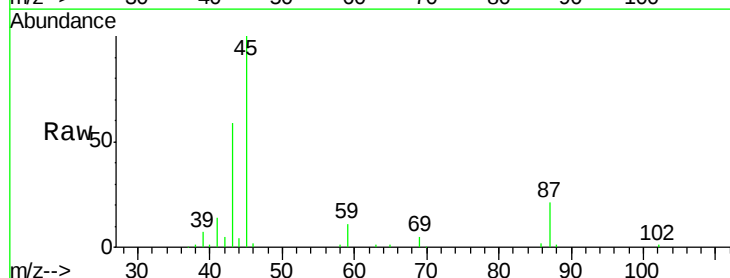
Ion Ratio Lower Upper

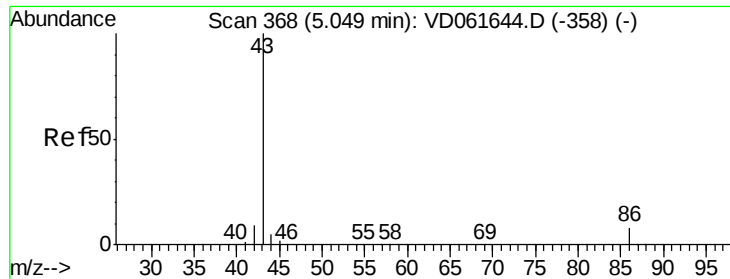
45 100

43 59.0 46.6 70.0

87 20.7 15.6 23.4

59 10.6 8.6 13.0





#23

Vinyl Acetate

Concen: 110.781 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

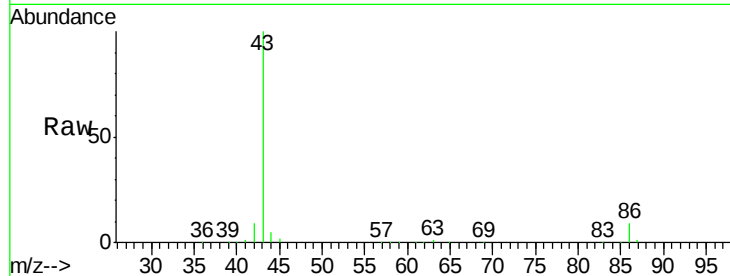
VD0409SBS02

Tot Ion: 43 Resp: 1026799

Ion Ratio Lower Upper

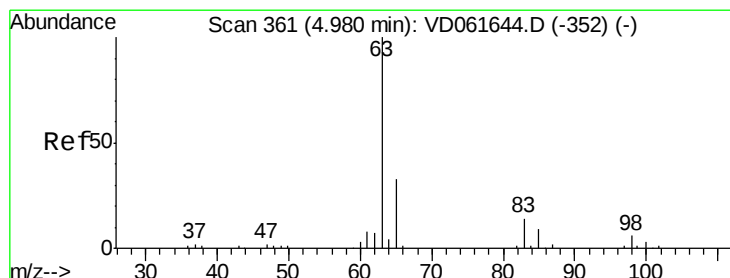
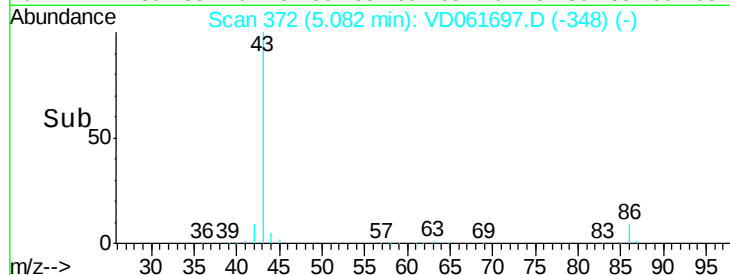
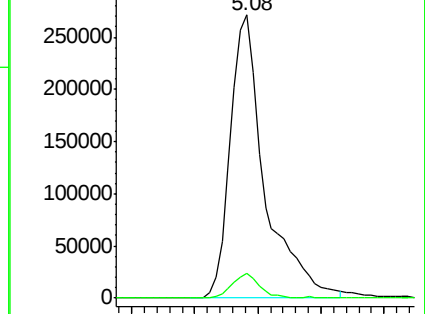
43 100

86 8.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.435 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

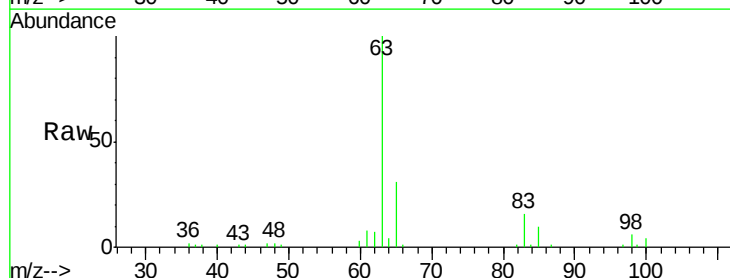
Tgt Ion: 63 Resp: 210349

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

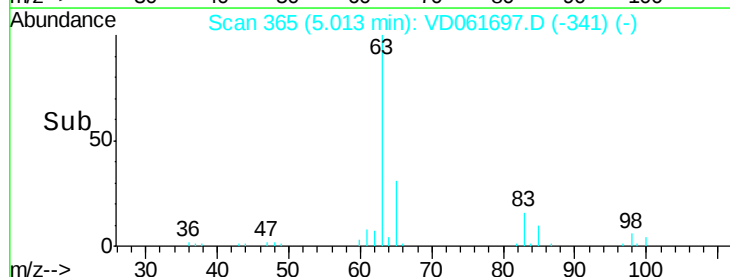
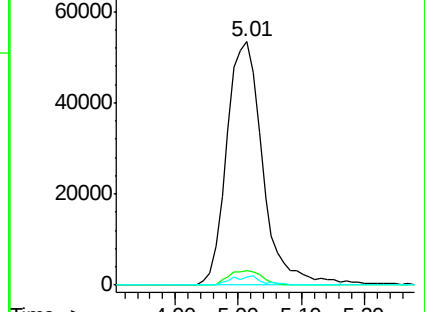
100 3.6 1.7 5.1

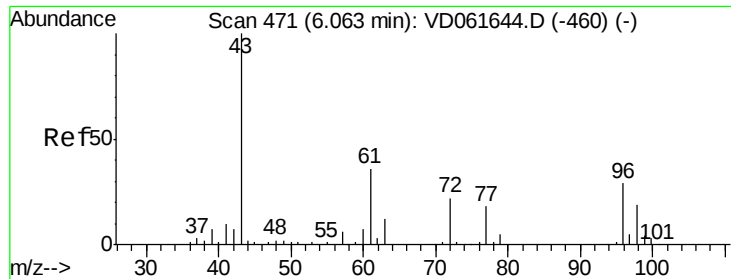


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.988 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

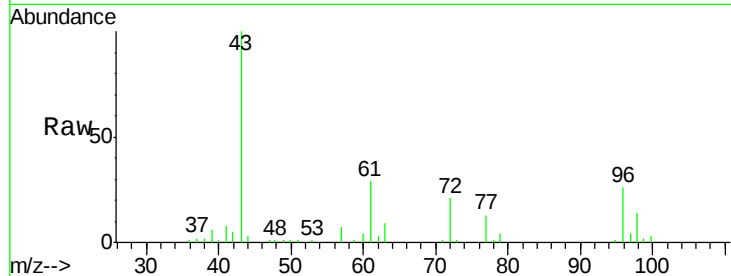
VD0409SBS02

Tot Ion: 43 Resp: 154534

Ion Ratio Lower Upper

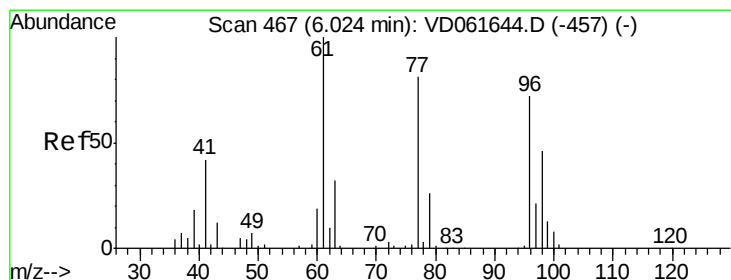
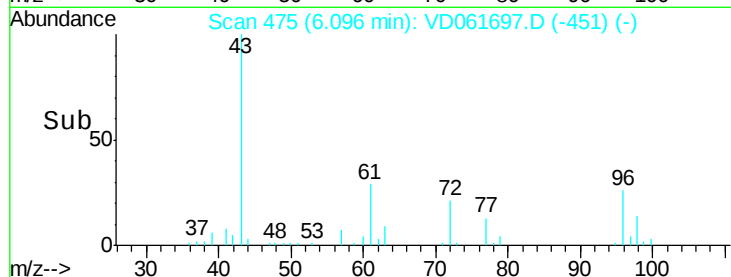
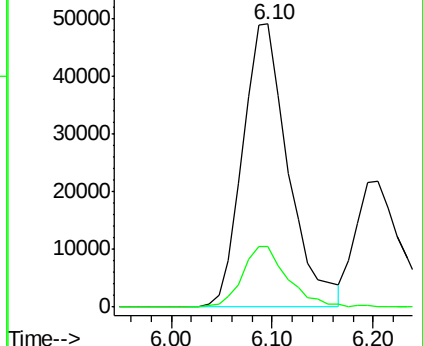
43 100

72 21.3 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.909 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD061697.D

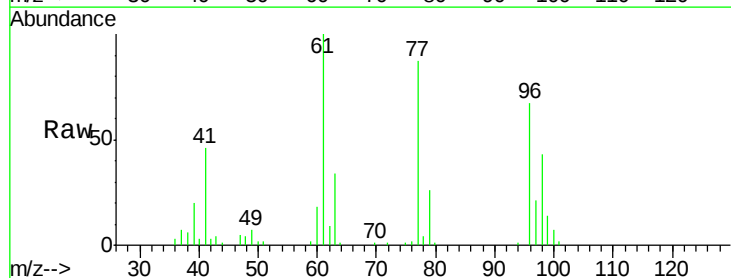
Acq: 10 Apr 2019 3:54

Tgt Ion: 77 Resp: 166873

Ion Ratio Lower Upper

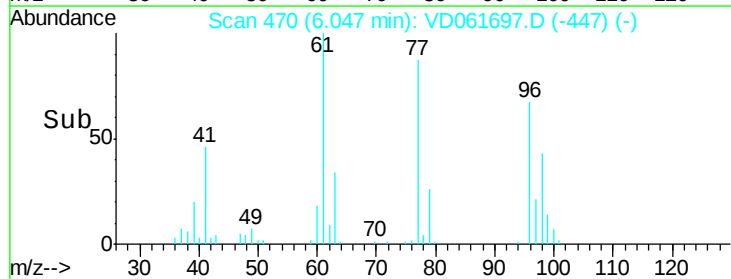
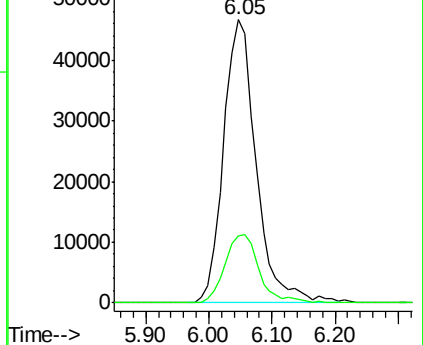
77 100

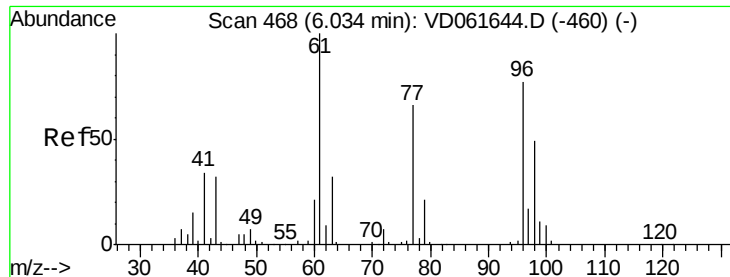
97 23.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



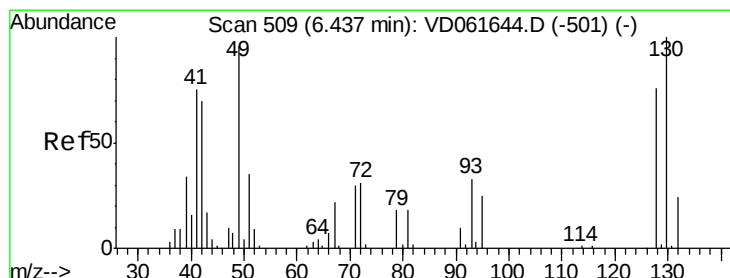
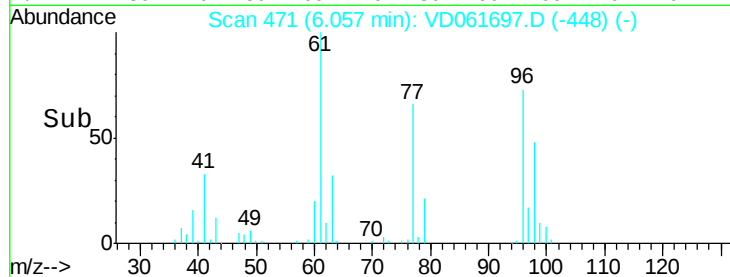
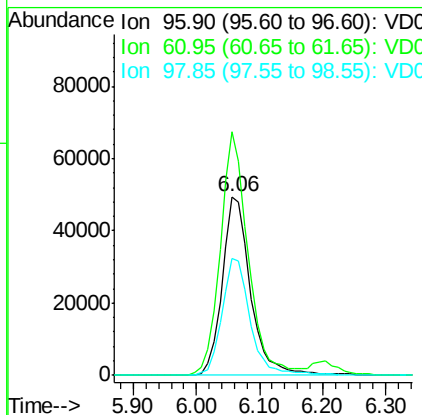
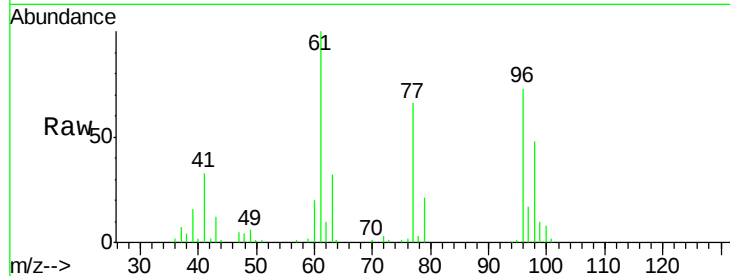


#27

cis-1,2-Dichloroethene
 Concen: 22.577 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

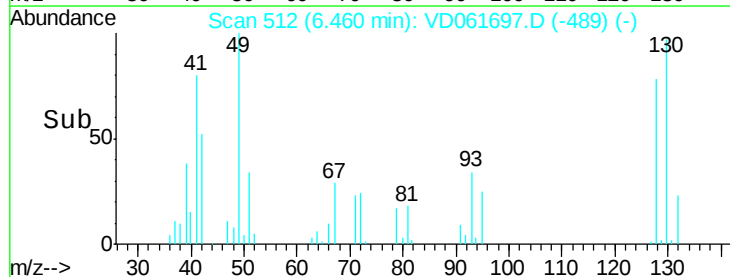
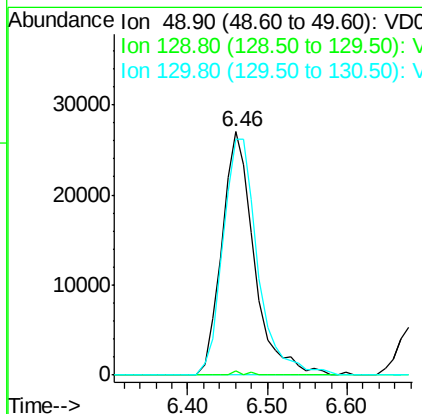
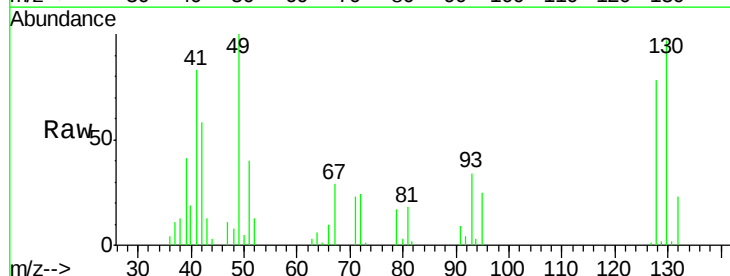
Tot Ion	96	Resp	153669
Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	259.8
98	65.5	0.0	127.6

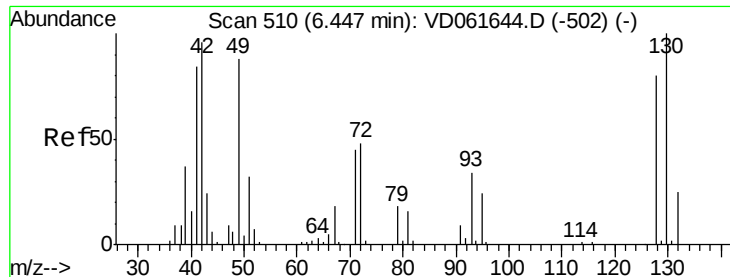


#28

Bromochloromethane
 Concen: 20.270 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion	49	Resp	76967
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	96.9	83.3	124.9

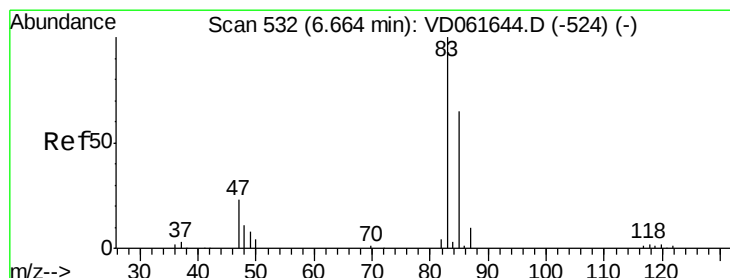
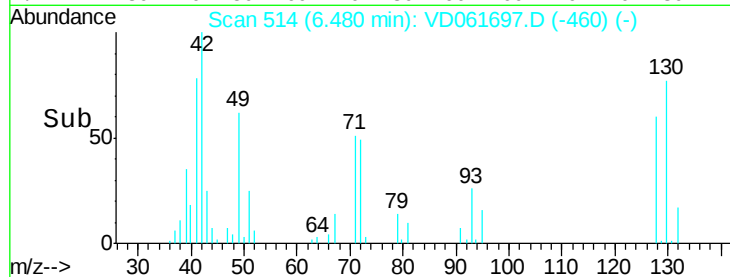
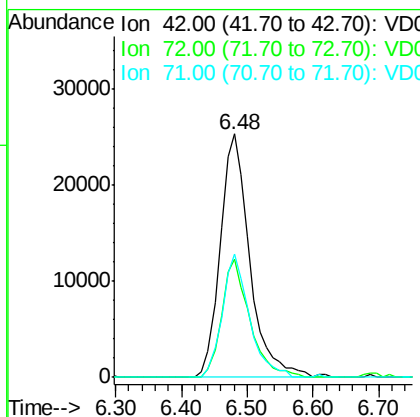
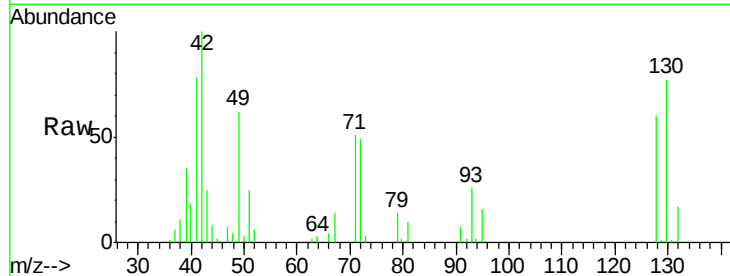




#29
Tetrahydrofuran
Concen: 111.479 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

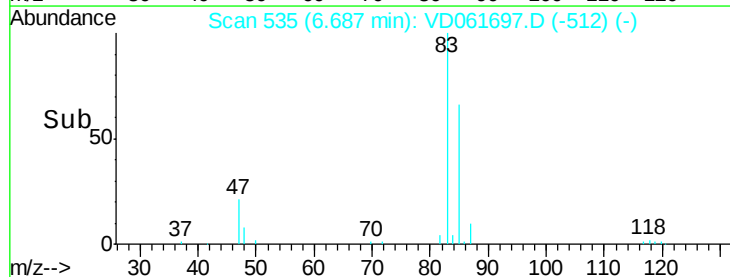
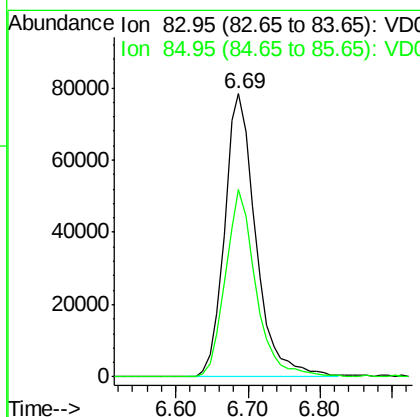
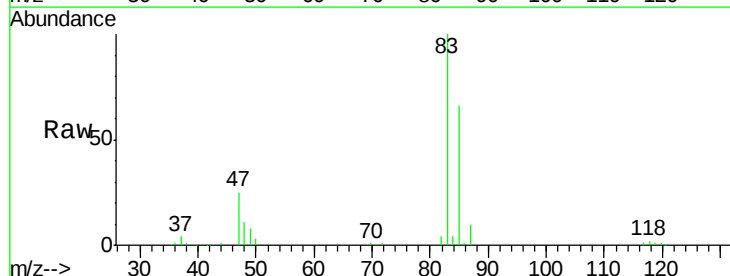
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

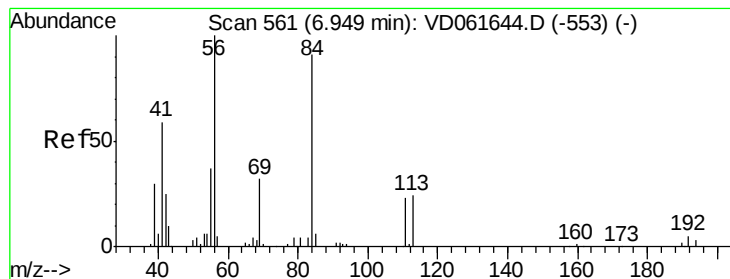
Tot Ion: 42 Resp: 79211
Ion Ratio Lower Upper
42 100
72 46.2 37.0 55.6
71 46.5 36.5 54.7



#30
Chloroform
Concen: 21.883 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 83 Resp: 235974
Ion Ratio Lower Upper
83 100
85 66.1 51.9 77.9





#31

Cvclohexane

Concen: 18.048 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

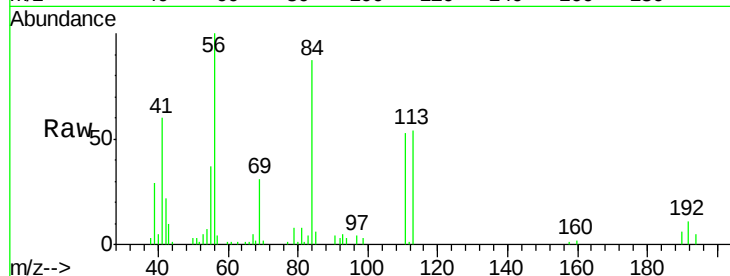
Tot Ion: 56 Resp: 145131

Ion Ratio Lower Upper

56 100

69 30.5 25.8 38.6

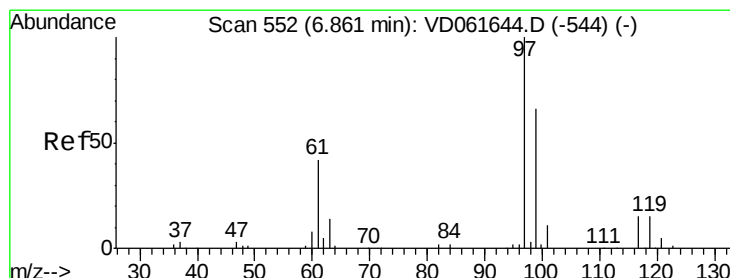
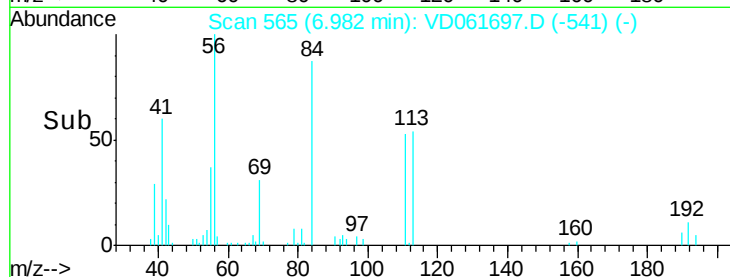
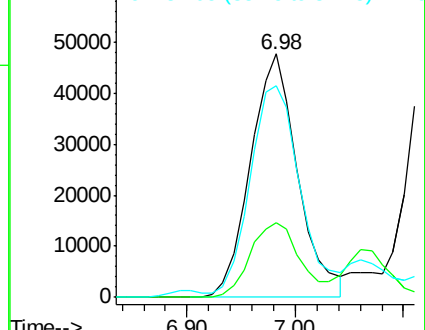
84 87.0 74.2 111.2



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: 20.020 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

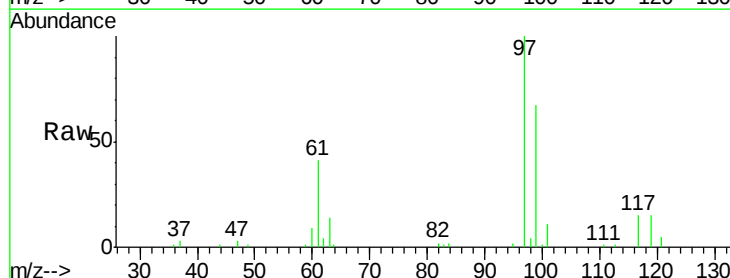
Tgt Ion: 97 Resp: 189185

Ion Ratio Lower Upper

97 100

99 66.6 52.5 78.7

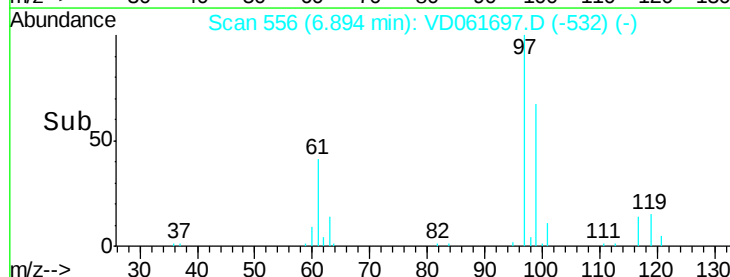
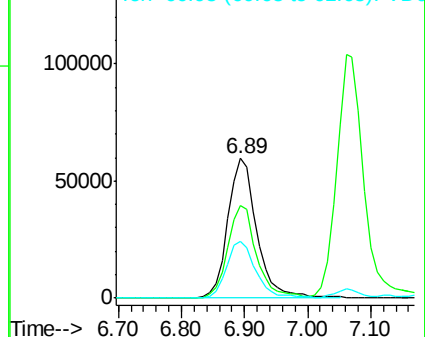
61 40.9 33.4 50.0

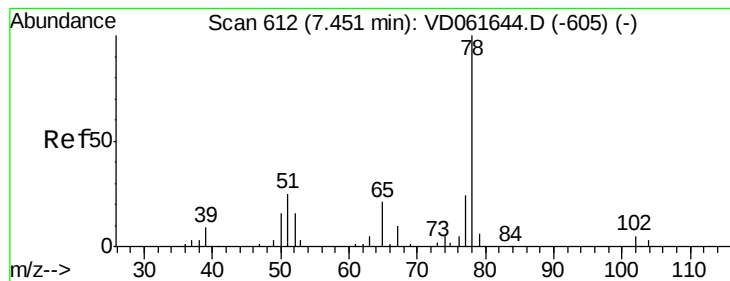


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 20.020 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

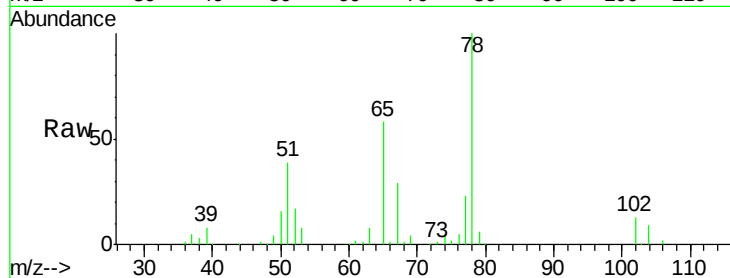
VD0409SBS02

Tot Ion: 65 Resp: 231681

Ion Ratio Lower Upper

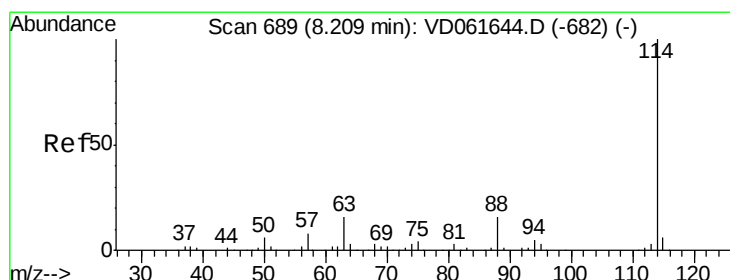
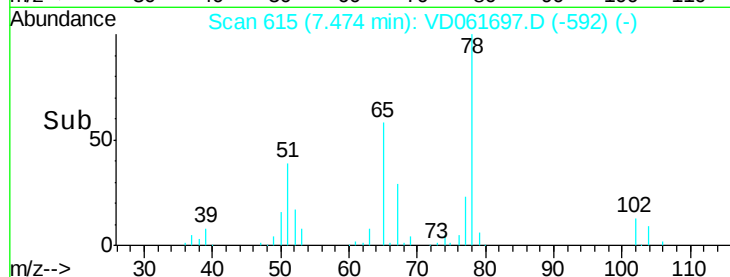
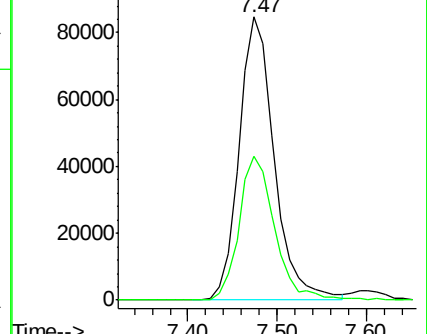
65 100

67 51.0 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

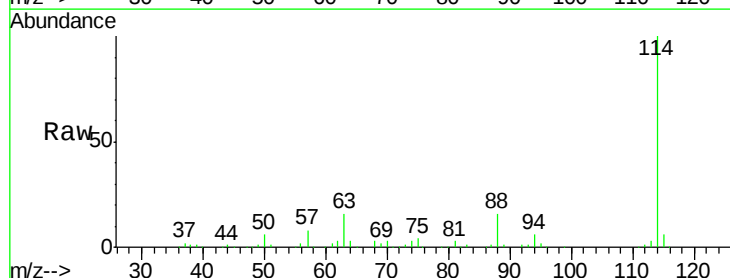
Tgt Ion: 114 Resp: 958976

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.2

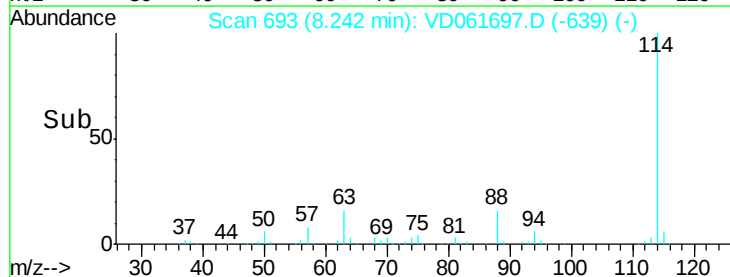
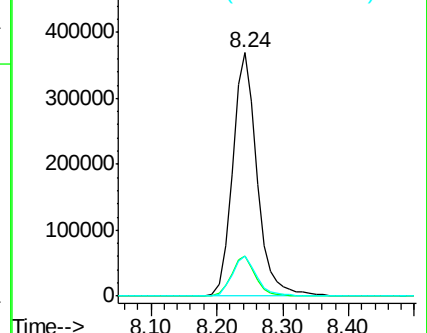
88 16.2 0.0 31.8

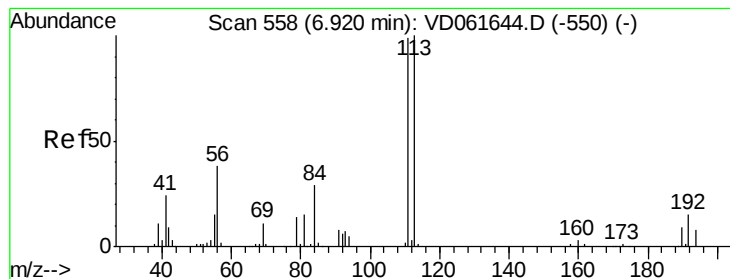


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

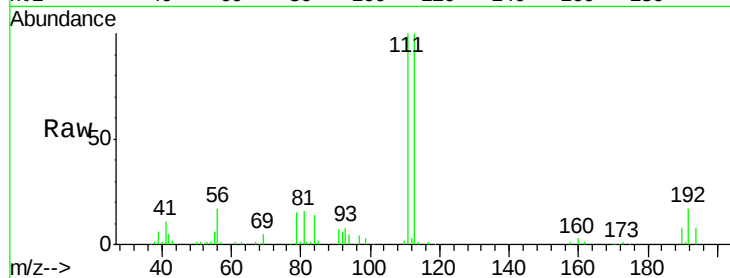
Tot Ion:113 Resp: 334895

Ion Ratio Lower Upper

113 100

111 100.3 79.3 118.9

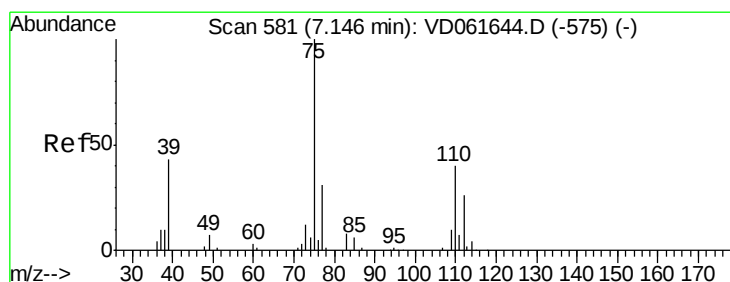
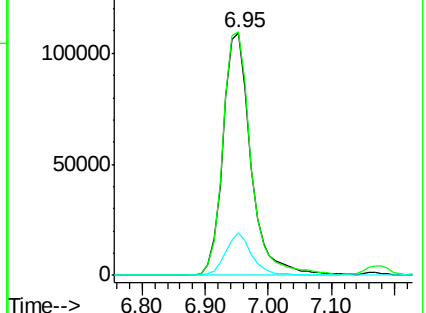
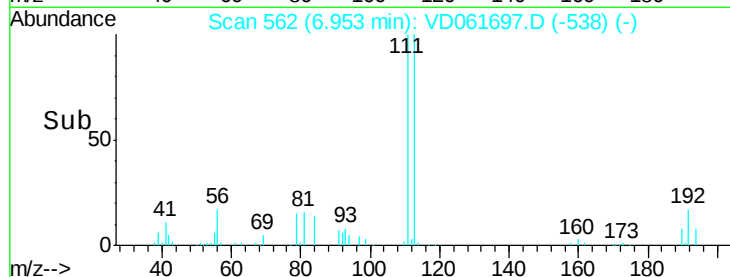
192 17.5 12.3 18.5



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: 20.040 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

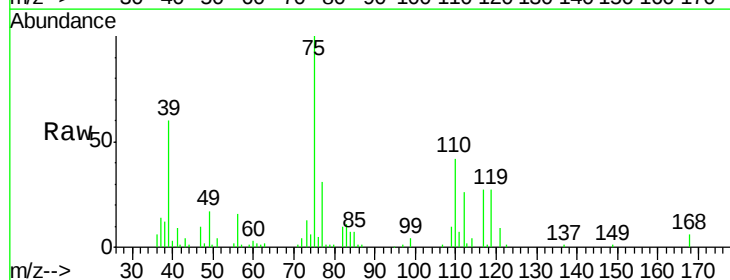
Tgt Ion: 75 Resp: 168193

Ion Ratio Lower Upper

75 100

110 41.7 19.7 59.0

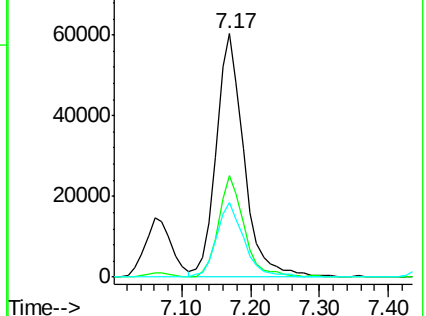
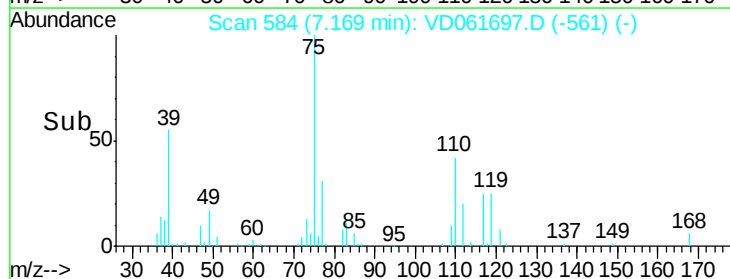
77 30.7 24.8 37.2

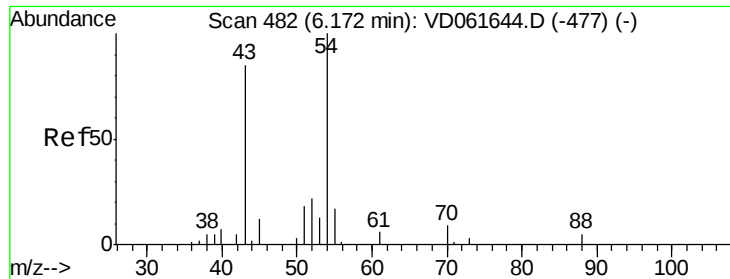


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

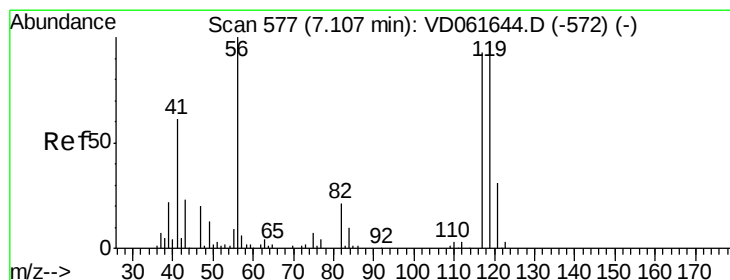
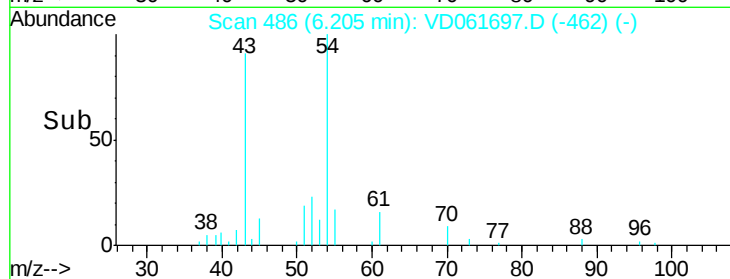
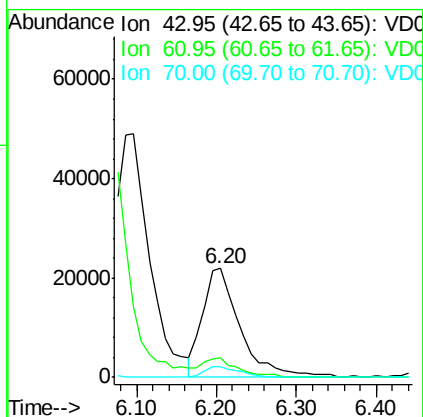
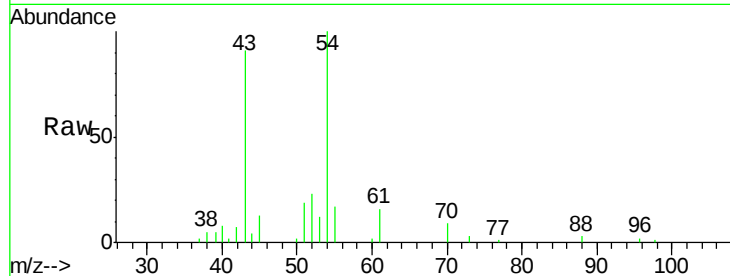




#37
Ethyl Acetate
Concen: 21.163 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

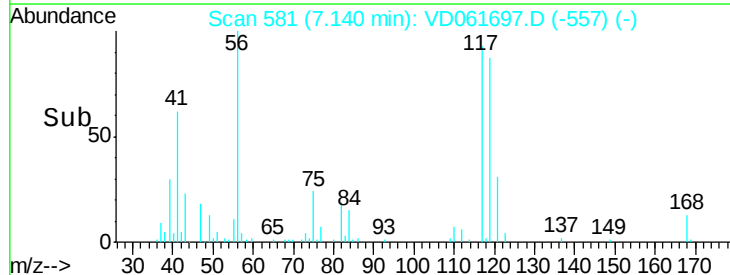
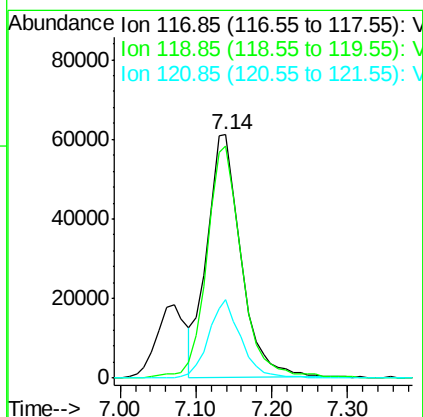
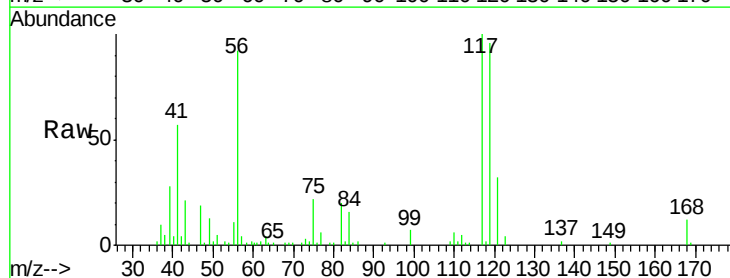
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

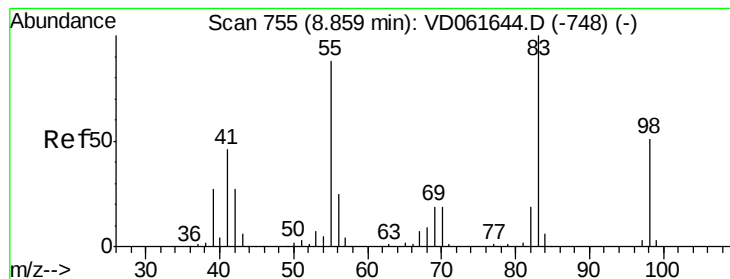
Tot Ion: 43 Resp: 72345
Ion Ratio Lower Upper
43 100
61 18.1 11.9 17.9#
70 10.3 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.410 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 117 Resp: 190919
Ion Ratio Lower Upper
117 100
119 95.5 77.9 116.9
121 32.4 24.7 37.1





#39

Methvlcvclohexane

Concen: 17.997 ug/l

RT: 8.89 min Scan# 759

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

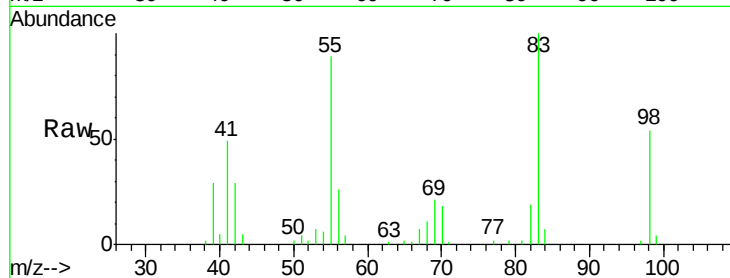
Tot Ion: 83 Resp: 155070

Ion Ratio Lower Upper

83 100

55 89.0 70.3 105.5

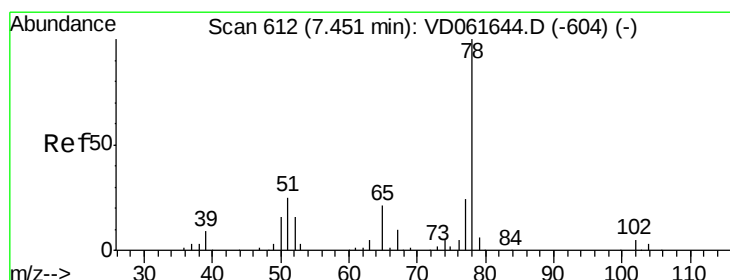
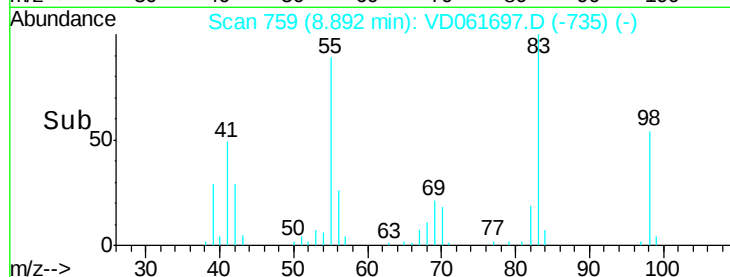
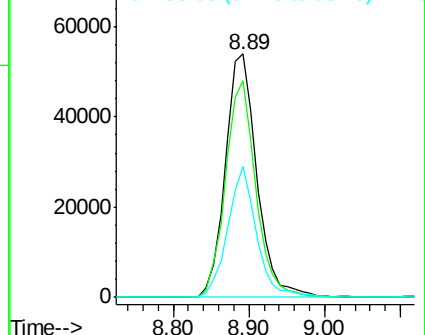
98 54.0 41.0 61.6



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: 21.702 ug/l

RT: 7.48 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD061697.D

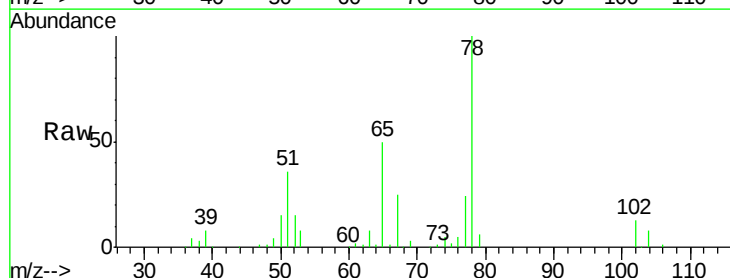
Acq: 10 Apr 2019 3:54

Tgt Ion: 78 Resp: 439409

Ion Ratio Lower Upper

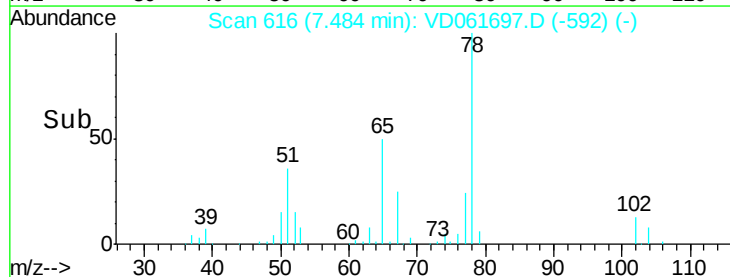
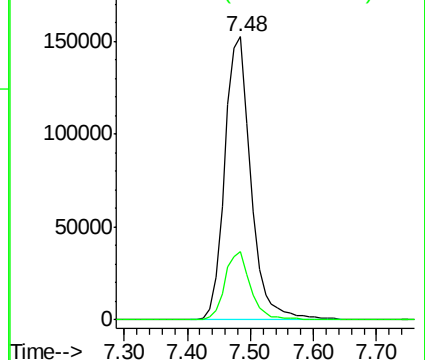
78 100

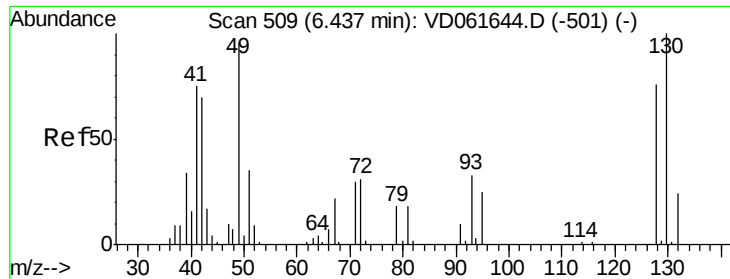
77 24.3 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

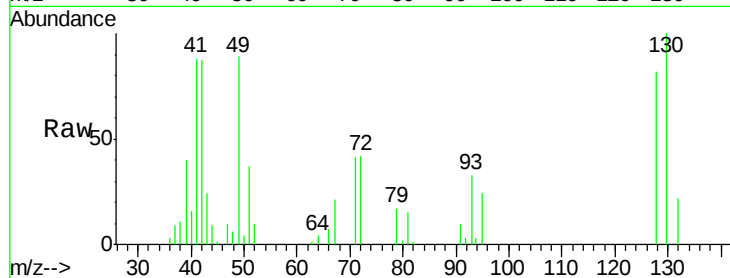




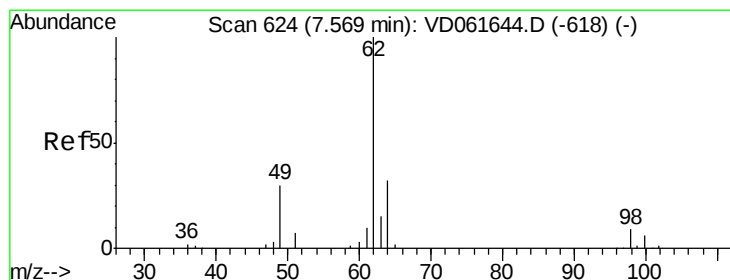
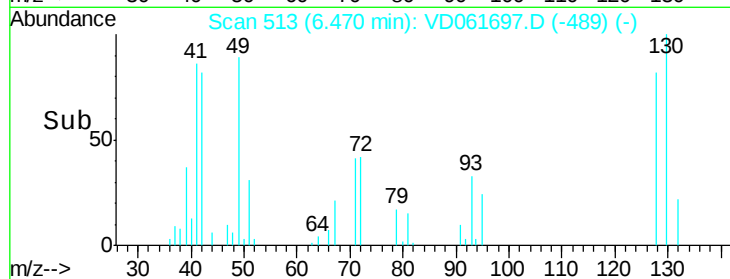
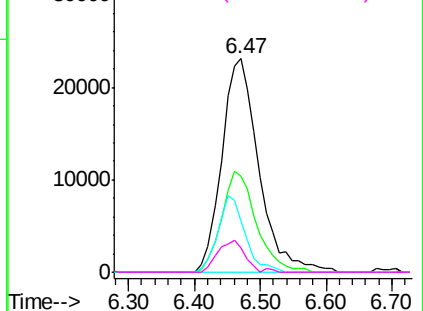
#41
Methacrylonitrile
Concen: 22.740 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

Tot Ion: 41 Resp: 90747
Ion Ratio Lower Upper
41 100
39 45.2 36.2 54.2
67 24.0 23.2 34.8
52 11.4 10.0 15.0

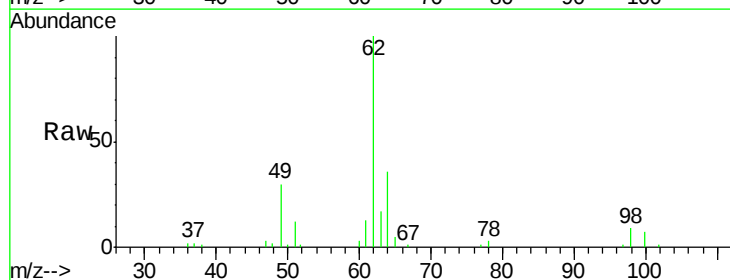


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

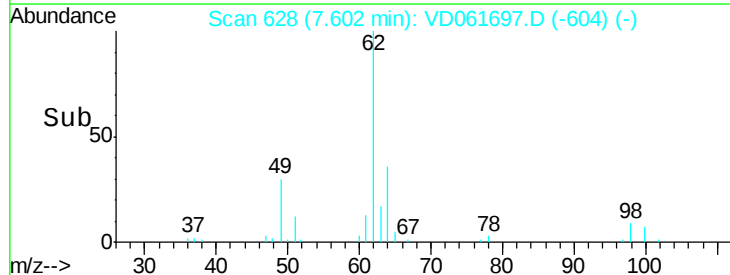
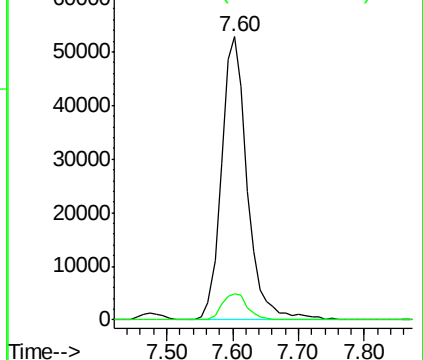


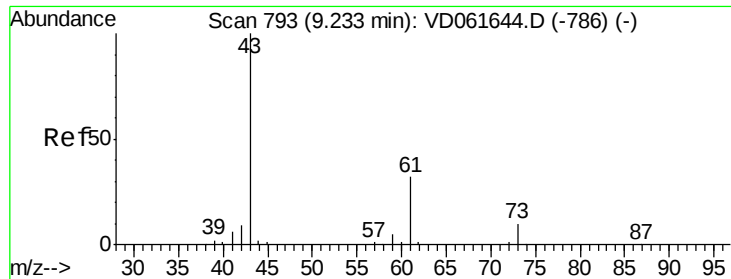
#42
1,2-Dichloroethane
Concen: 22.589 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 62 Resp: 143839
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.8



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



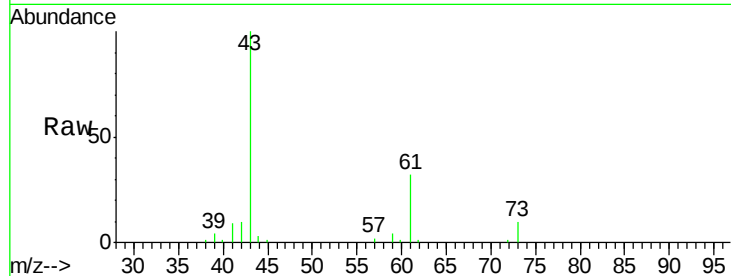


#43

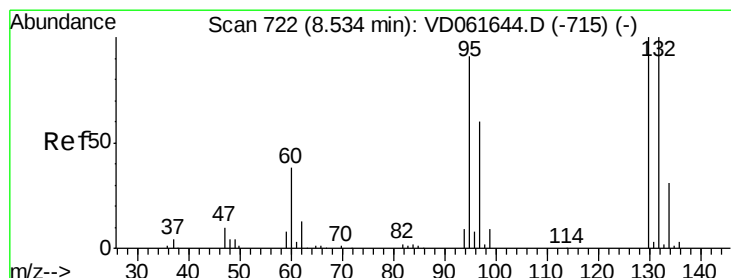
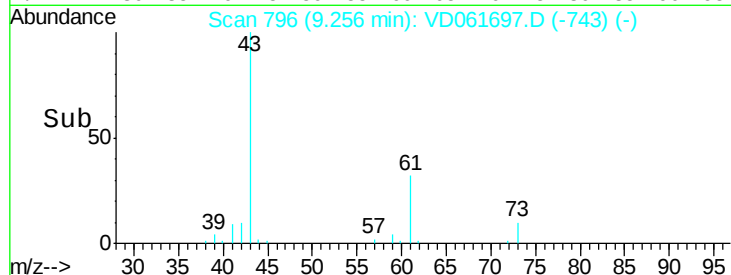
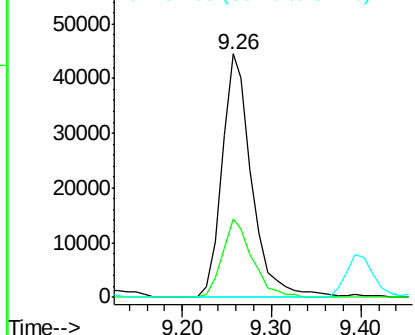
Isopropyl Acetate
 Concen: 20.870 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

Tot Ion: 43 Resp: 103541
 Ion Ratio Lower Upper
 43 100
 61 32.2 25.9 38.9
 87 0.0 0.2 0.4#



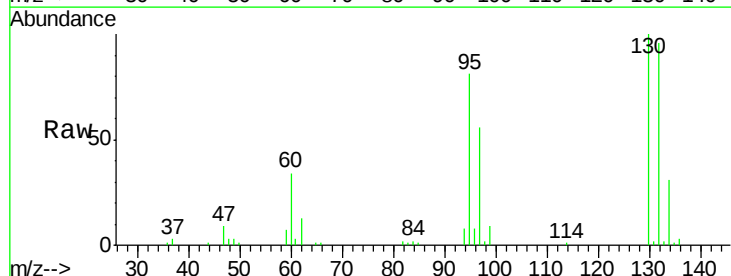
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



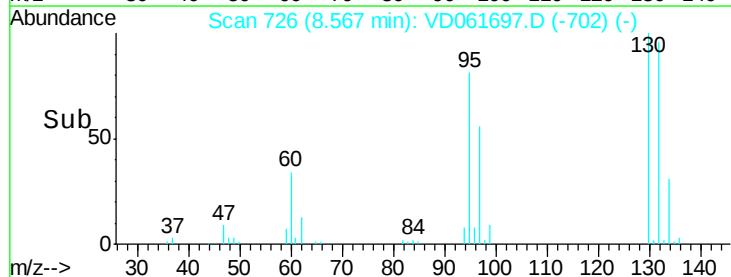
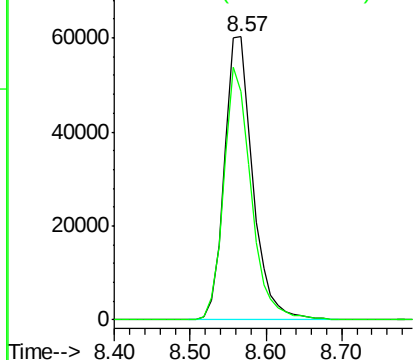
#44

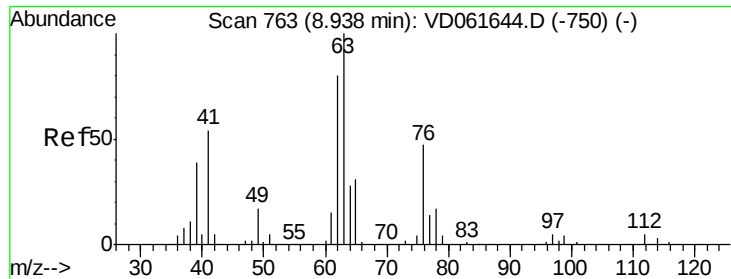
Trichloroethene
 Concen: 20.119 ug/l
 RT: 8.57 min Scan# 726
 Delta R.T. 0.03 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion:130 Resp: 156166
 Ion Ratio Lower Upper
 130 100
 95 80.6 0.0 181.8



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

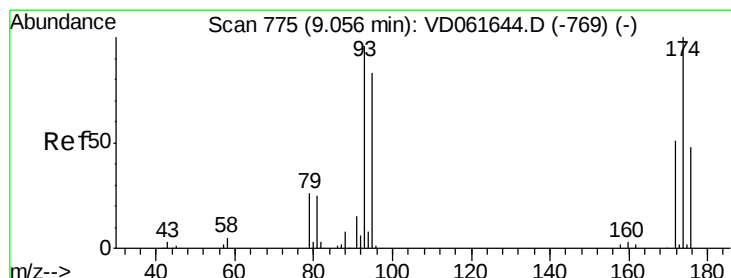
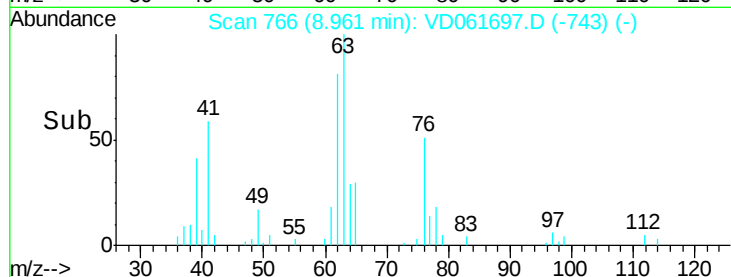
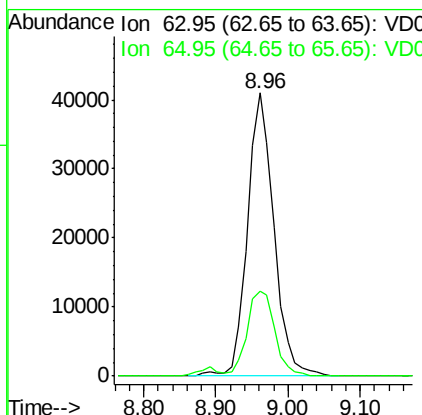
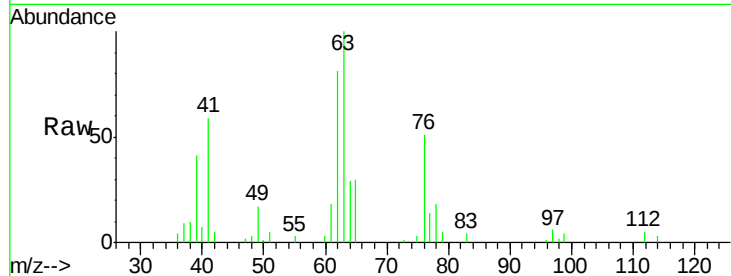




#45
 1,2-Dichloropropane
 Concen: 20.906 ug/l
 RT: 8.96 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

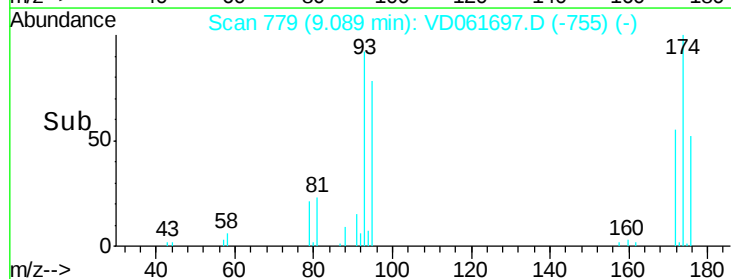
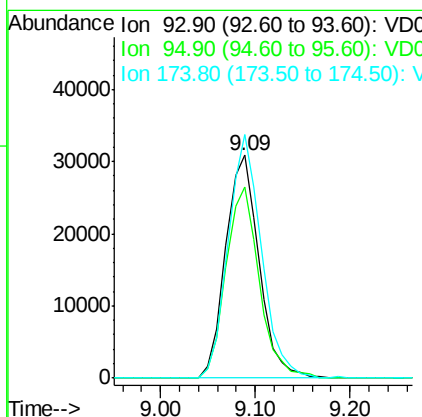
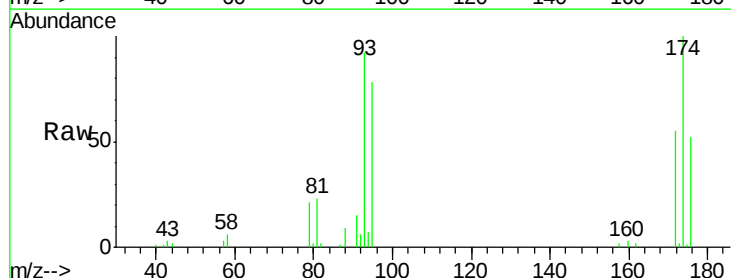
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

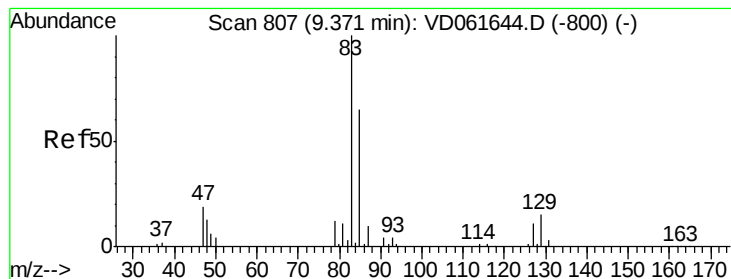
Tot Ion: 63 Resp: 104975
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.5 36.7



#46
 Dibromomethane
 Concen: 21.070 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 93 Resp: 75615
 Ion Ratio Lower Upper
 93 100
 95 85.5 68.6 103.0
 174 109.1 83.0 124.4





#47

Bromodichloromethane

Concen: 21.534 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

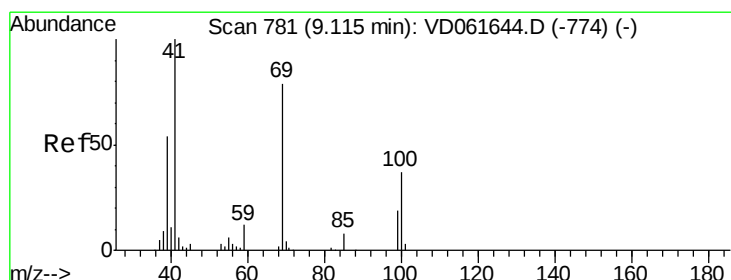
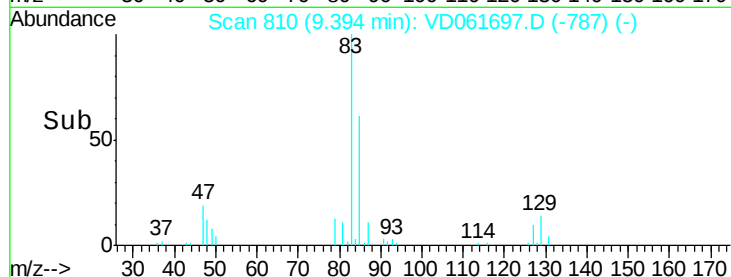
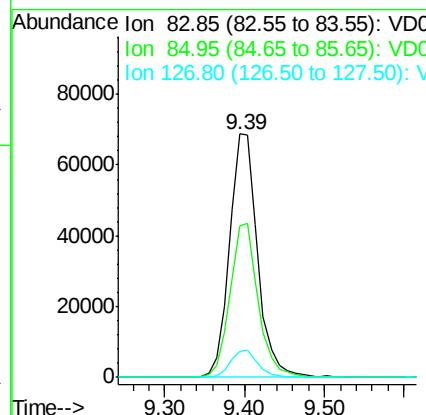
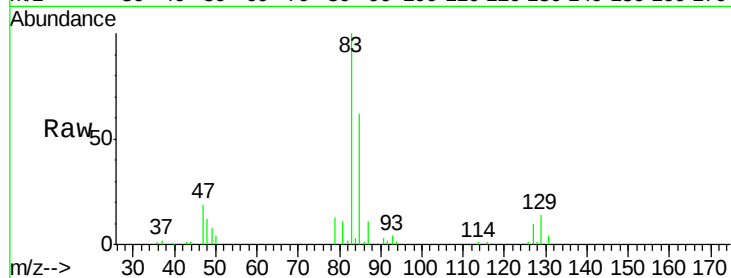
Tot Ion: 83 Resp: 169729

Ion Ratio Lower Upper

83 100

85 62.2 51.8 77.6

127 10.5 9.0 13.6



#48

Methyl methacrylate

Concen: 20.710 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

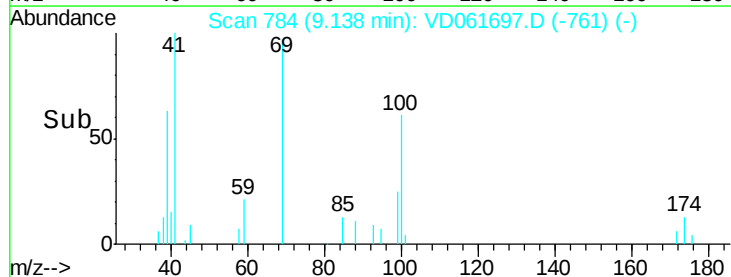
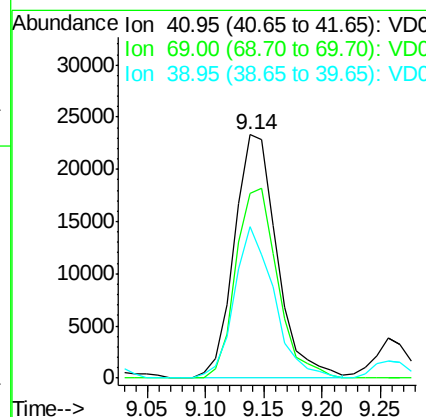
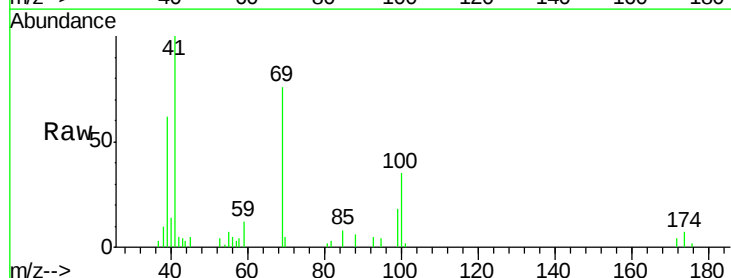
Tgt Ion: 41 Resp: 59228

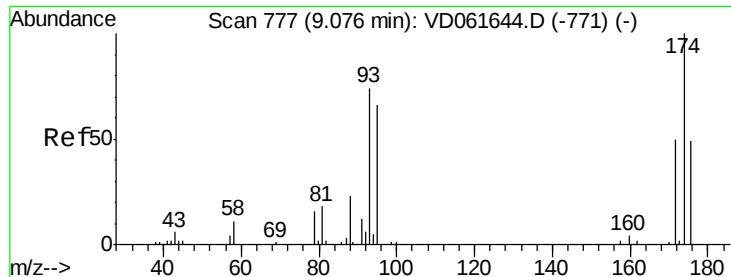
Ion Ratio Lower Upper

41 100

69 76.1 63.1 94.7

39 62.0 43.8 65.8

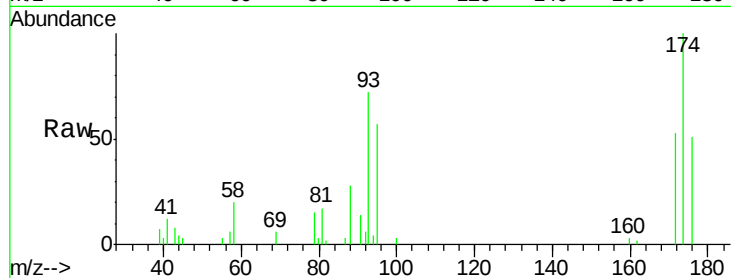




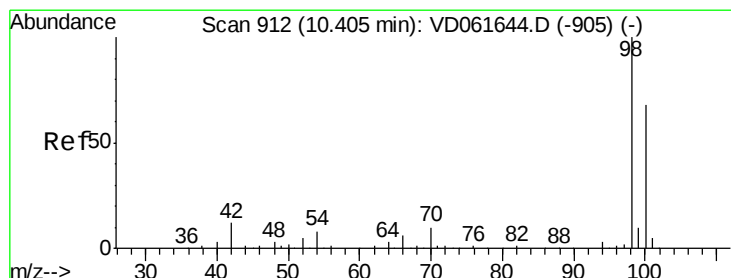
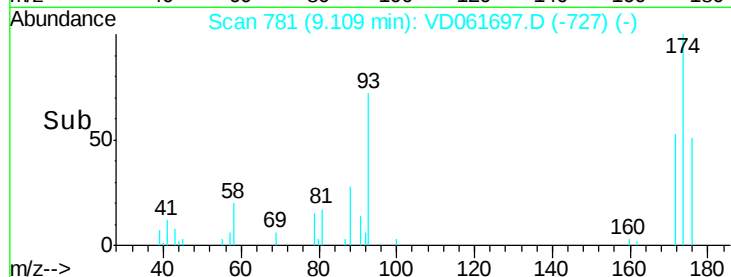
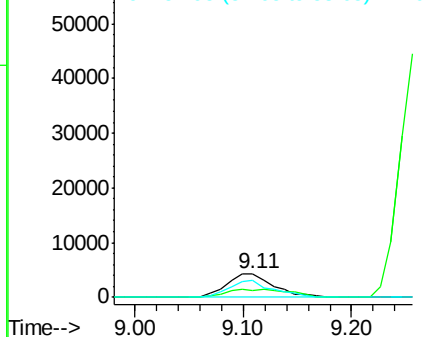
#49
1,4-Dioxane
Concen: 413.031 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

Tot Ion: 88 Resp: 13038
Ion Ratio Lower Upper
88 100
43 29.5 21.8 32.8
58 70.3 40.2 60.2#

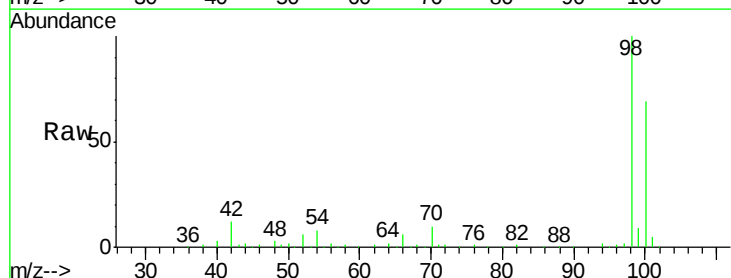


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

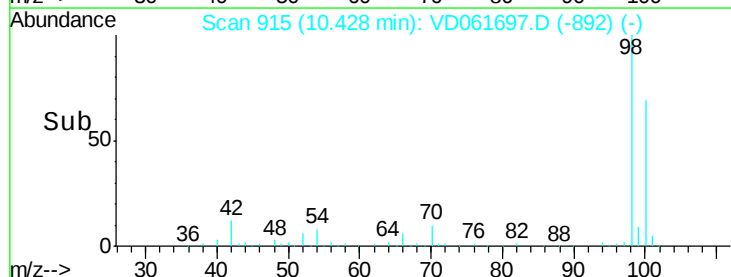
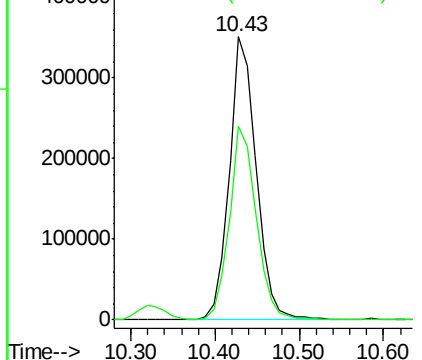


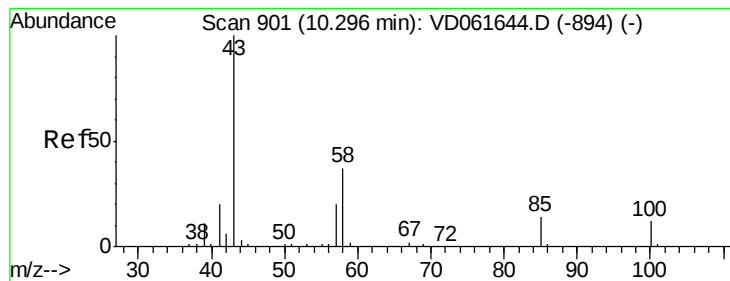
#50
Toluene-d8
Concen: 413.031 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 98 Resp: 780298
Ion Ratio Lower Upper
98 100
100 68.5 55.4 83.0



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: 115.193 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

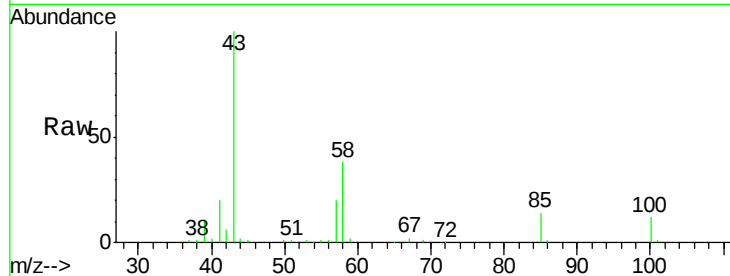
VD0409SBS02

Tot Ion: 43 Resp: 337984

Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

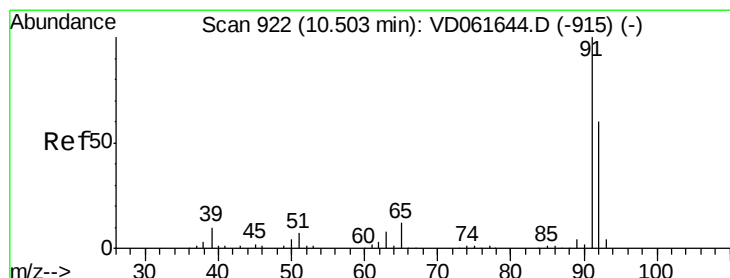
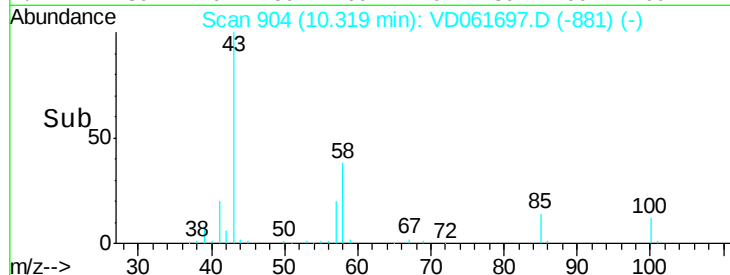
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 21.972 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061697.D

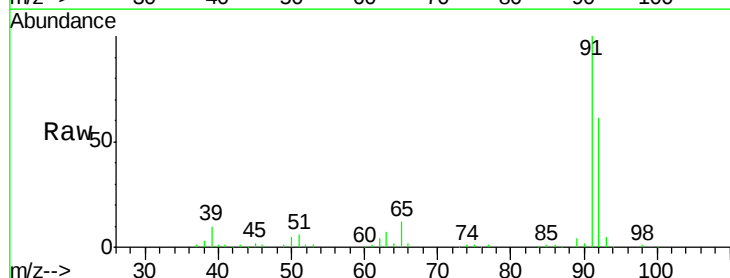
Acq: 10 Apr 2019 3:54

Tgt Ion: 92 Resp: 277802

Ion Ratio Lower Upper

92 100

91 165.3 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

200000

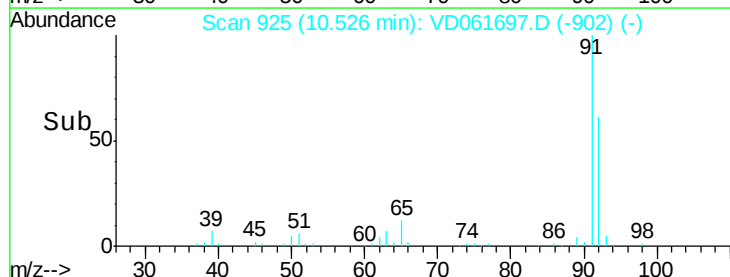
150000

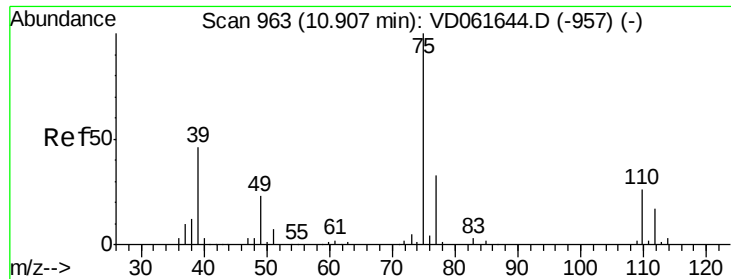
100000

50000

0

Time--> 10.40 10.60

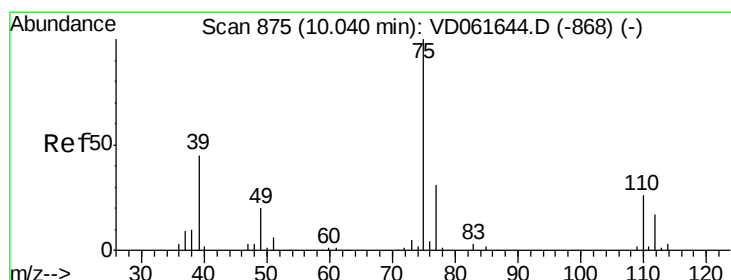
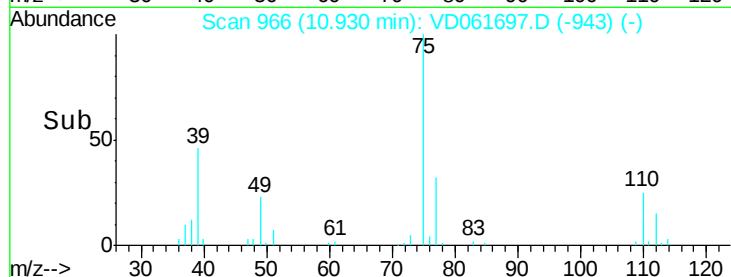
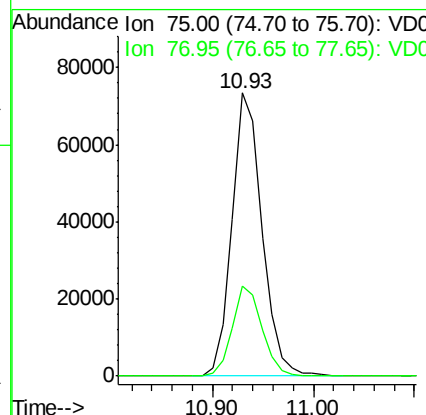
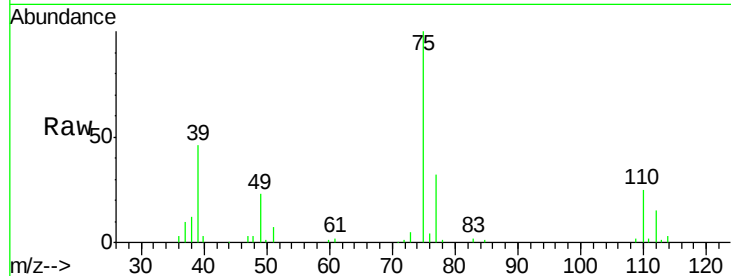




#53
 t-1,3-Dichloropropene
 Concen: 21.899 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

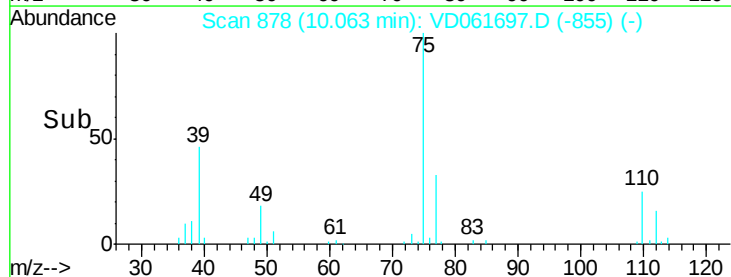
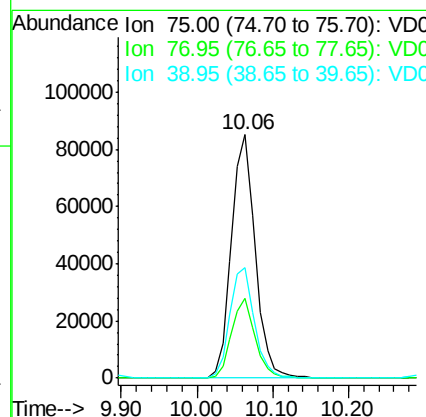
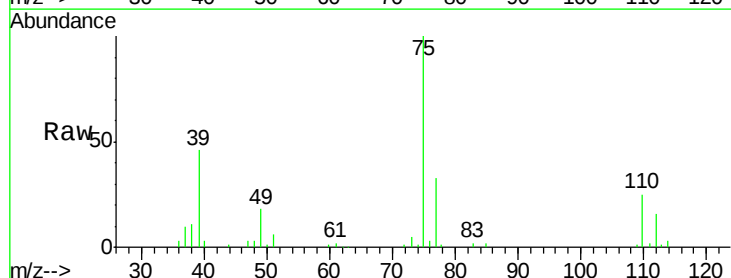
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

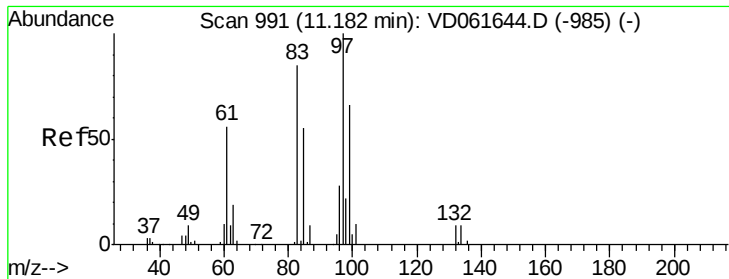
Tot Ion: 75 Resp: 151297
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.692 ug/l
 RT: 10.06 min Scan# 878
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 75 Resp: 184749
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 37.0
 39 45.6 36.2 54.2

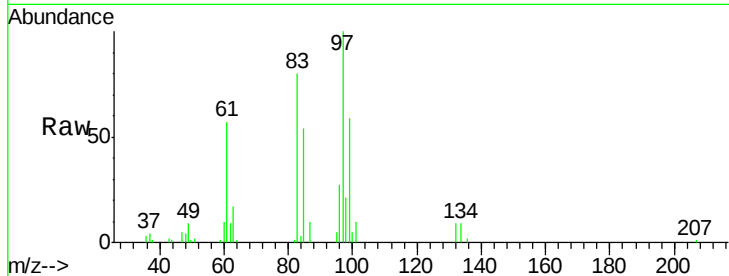




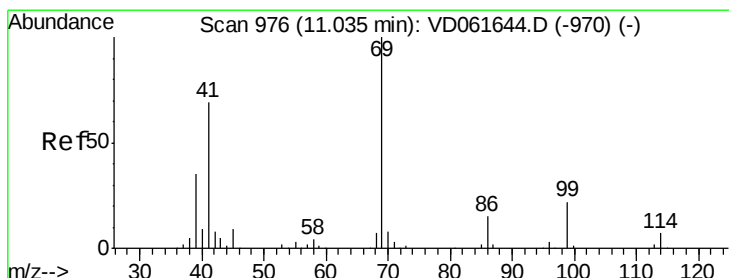
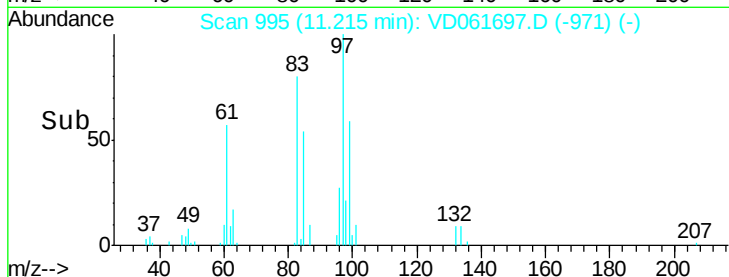
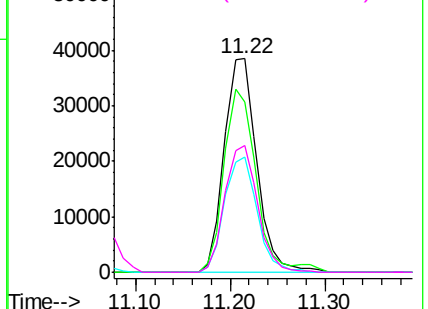
#55
 1,1,2-Trichloroethane
 Concen: 21.558 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

Tot Ion: 97 Resp: 91927
 Ion Ratio Lower Upper
 97 100
 83 79.7 67.8 101.6
 85 53.9 43.8 65.8
 99 59.1 52.8 79.2

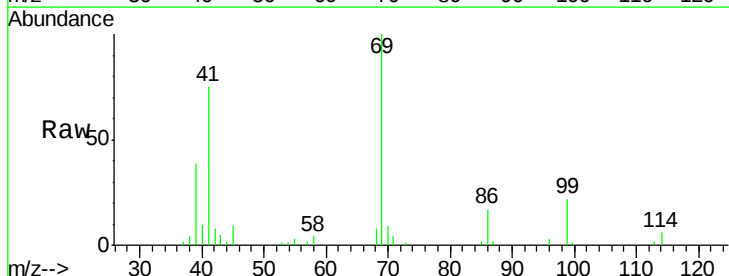


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

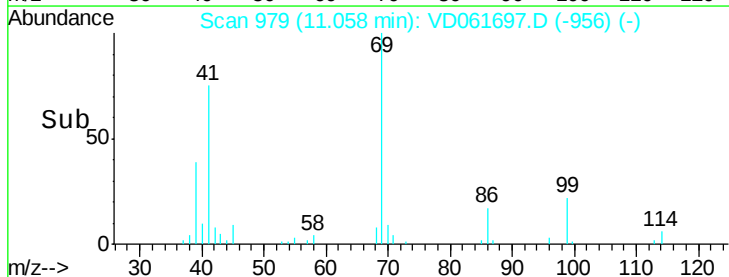
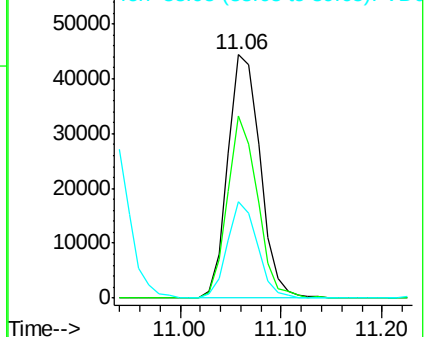


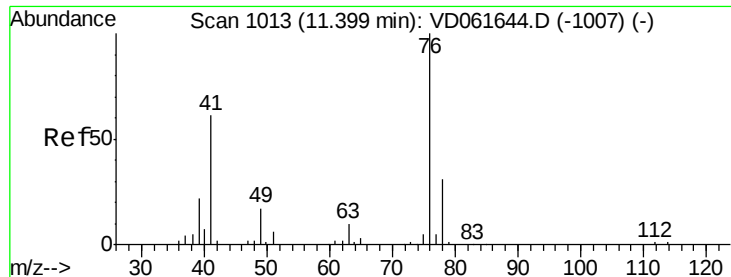
#56
 Ethyl methacrylate
 Concen: 22.054 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 69 Resp: 99208
 Ion Ratio Lower Upper
 69 100
 41 74.9 55.2 82.8
 39 39.4 28.6 43.0



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

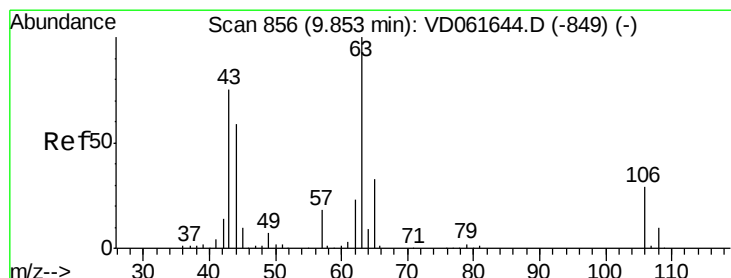
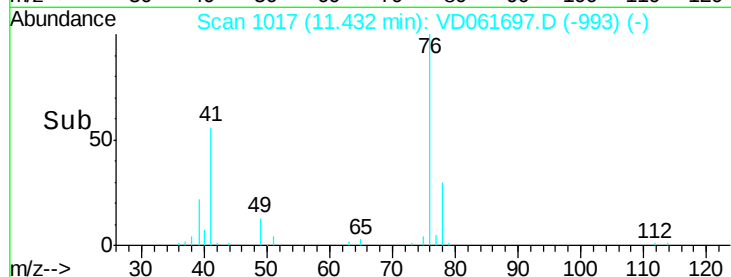
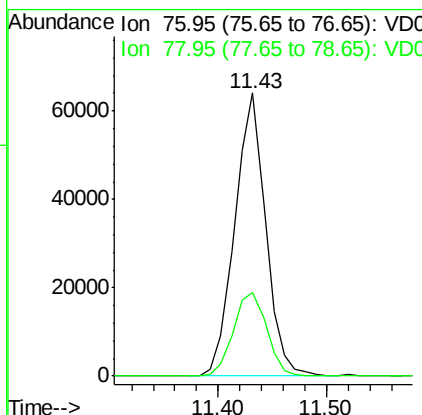
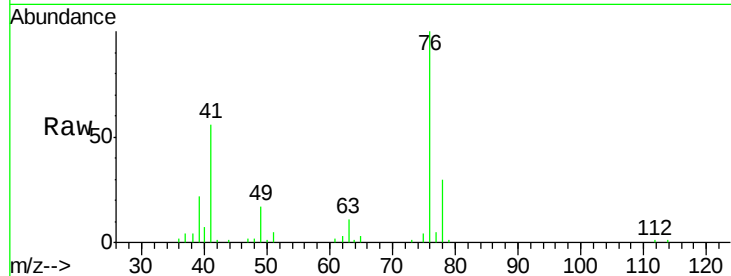




#57
 1,3-Dichloropropane
 Concen: 20.335 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. 0.03 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

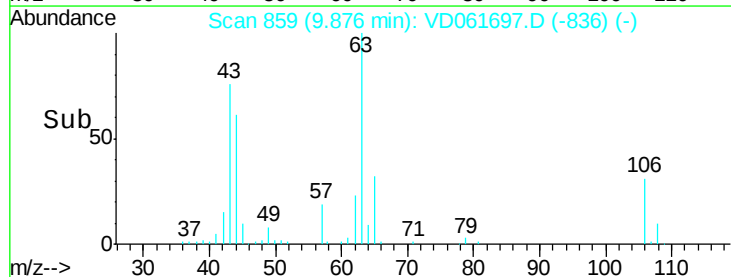
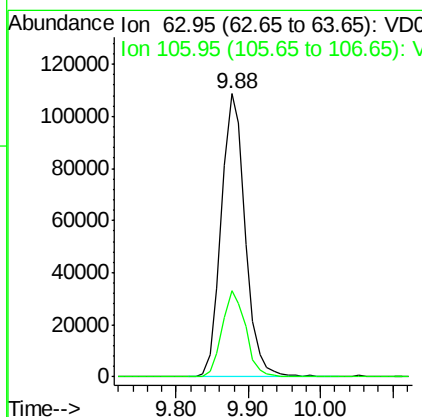
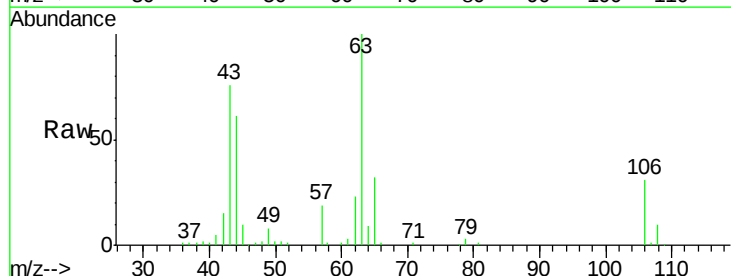
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

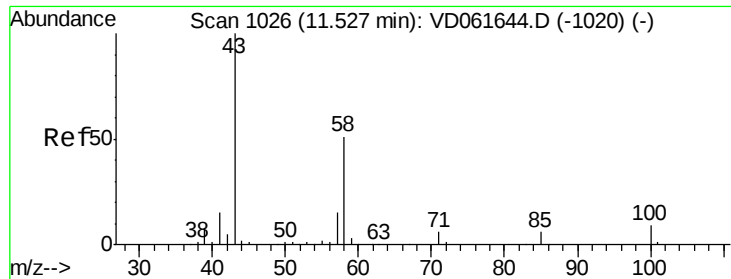
Tot Ion: 76 Resp: 126986
 Ion Ratio Lower Upper
 76 100
 78 29.5 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.254 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 63 Resp: 248881
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.0 34.6

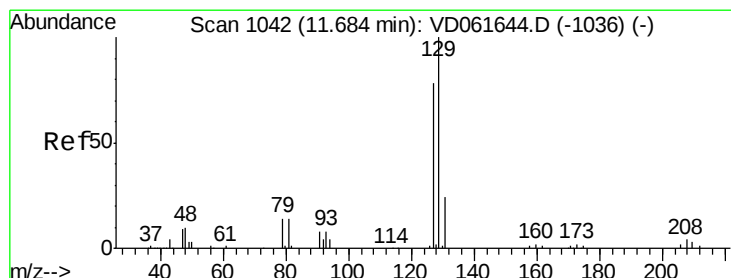
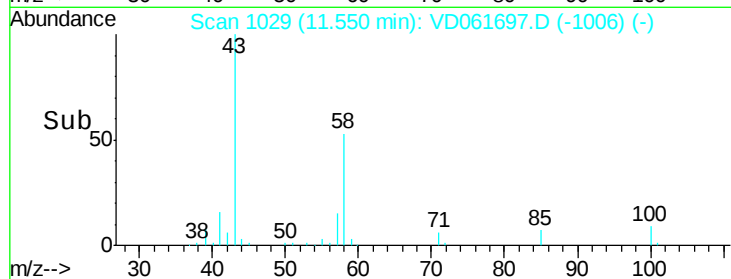
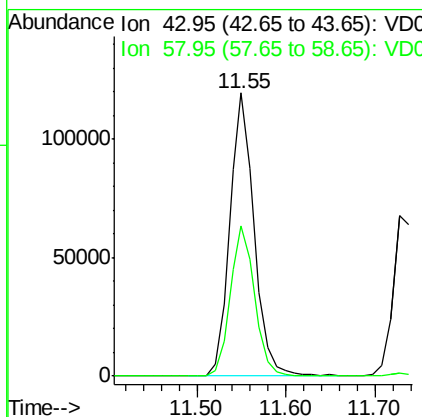
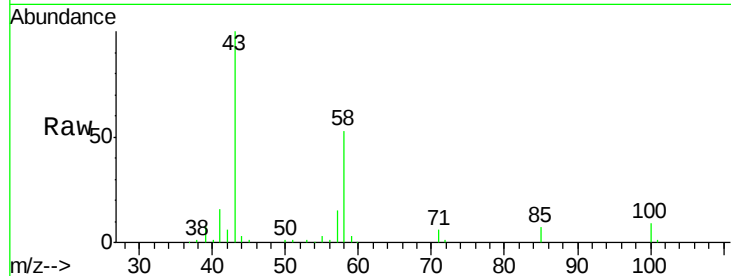




#59
2-Hexanone
Concen: 100.391 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

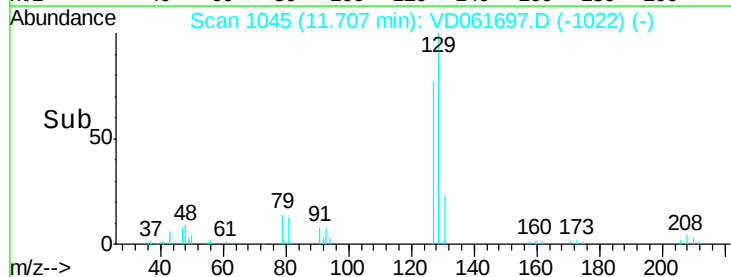
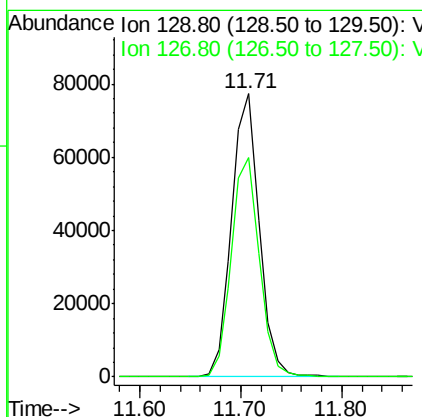
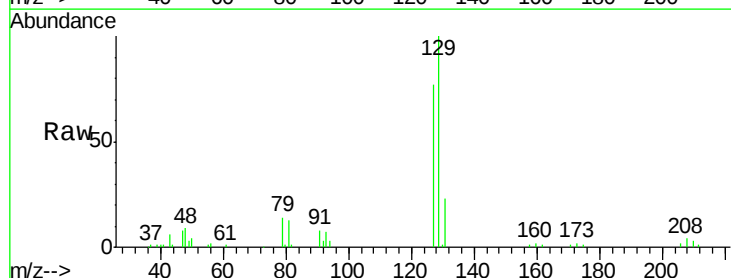
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

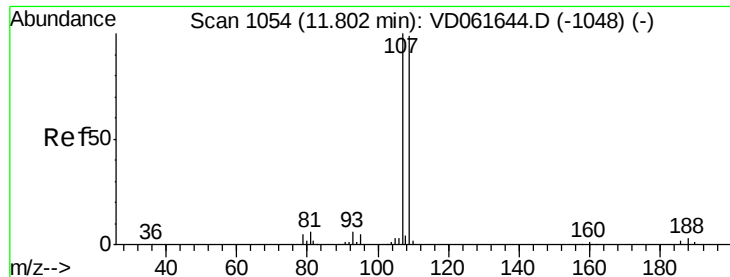
Tot Ion: 43 Resp: 228598
Ion Ratio Lower Upper
43 100
58 52.9 25.6 76.8



#60
Dibromochloromethane
Concen: 21.865 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 129 Resp: 147310
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.4

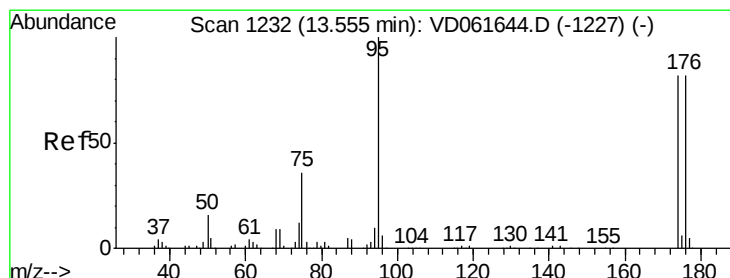
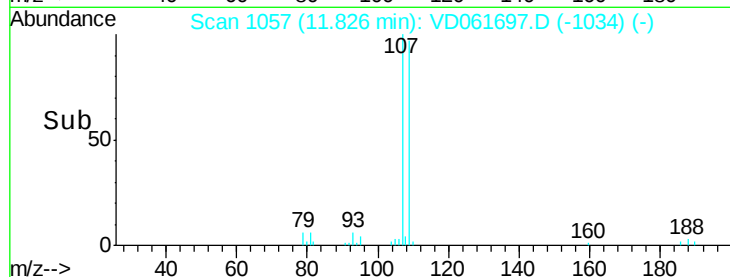
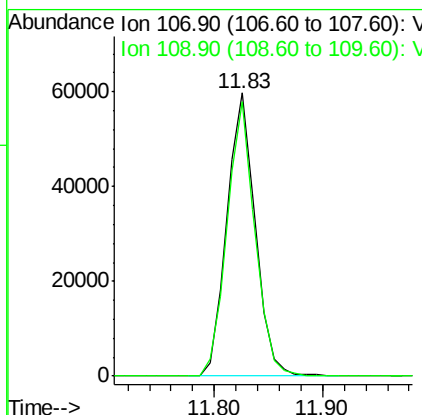
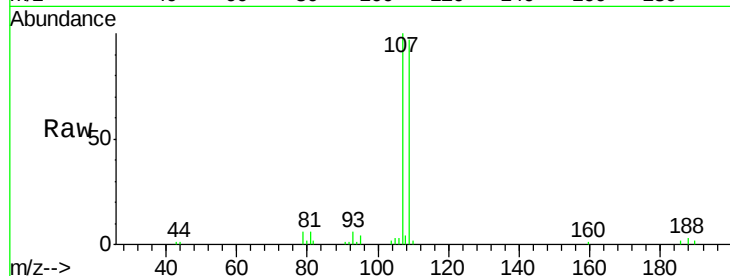




#61
 1,2-Dibromoethane
 Concen: 21.854 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

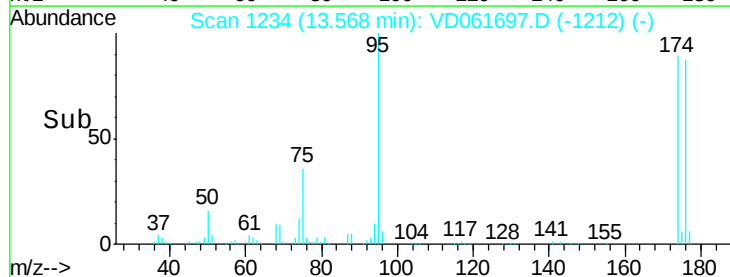
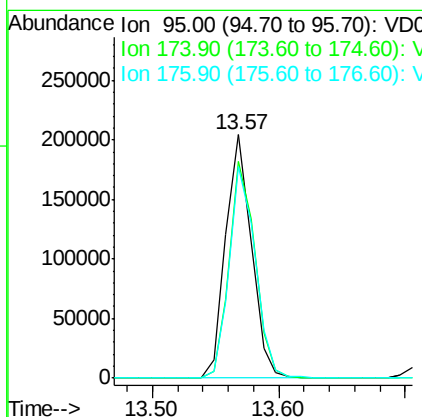
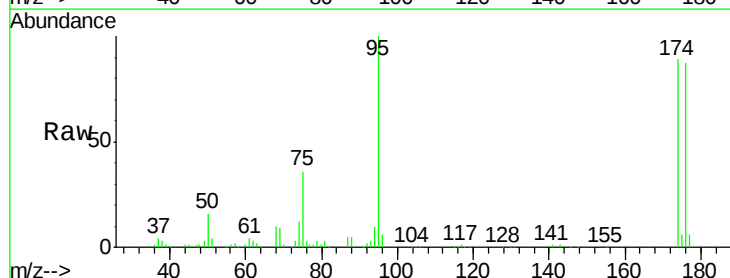
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

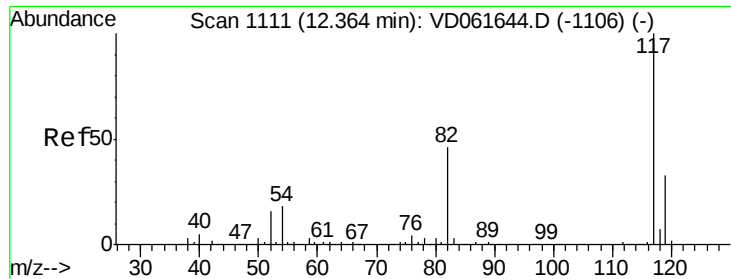
Tot Ion: 107 Resp: 108985
 Ion Ratio Lower Upper
 107 100
 109 97.2 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 21.854 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 95 Resp: 288329
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 164.6
 176 87.1 0.0 165.0

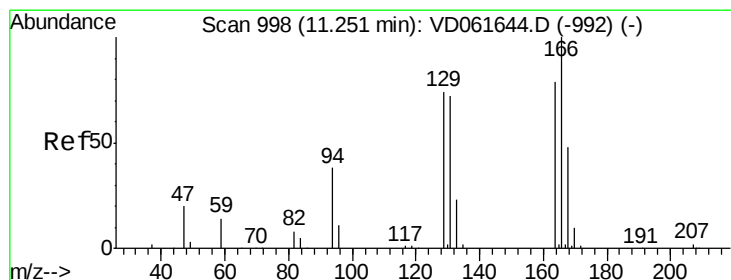
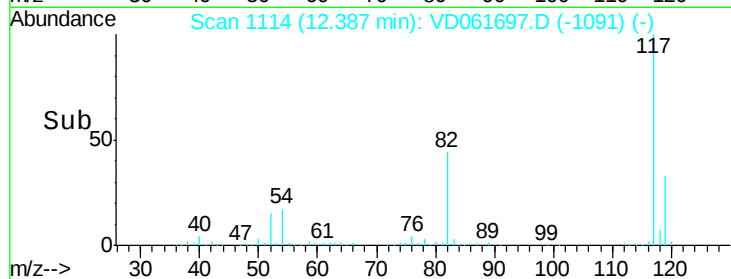
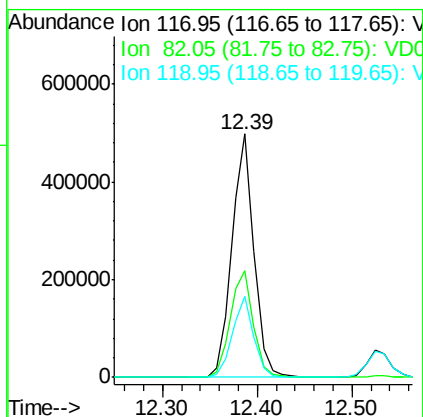
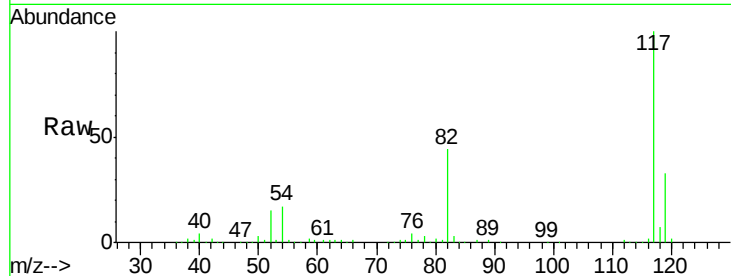




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

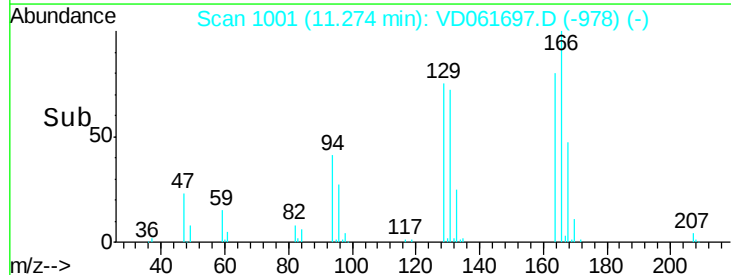
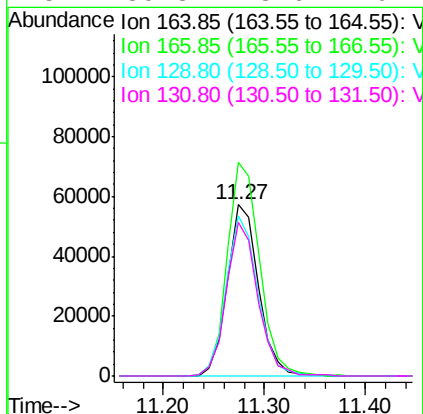
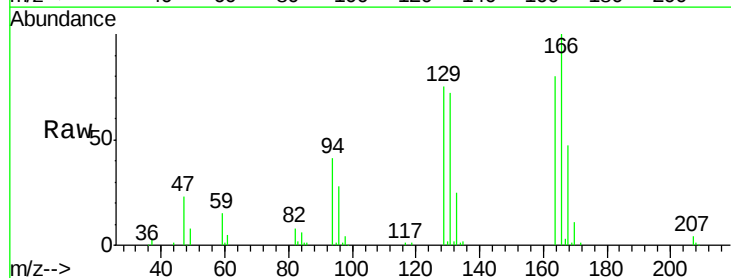
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

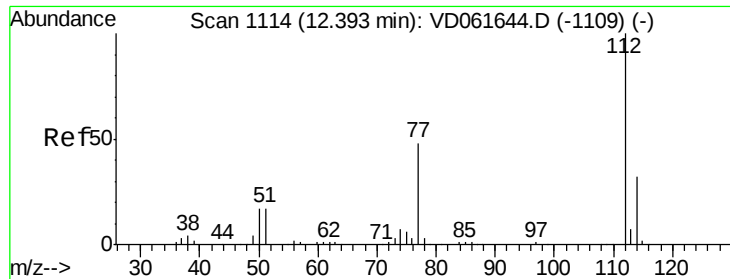
Tot Ion:117 Resp: 798793
Ion Ratio Lower Upper
117 100
82 43.9 36.8 55.2
119 33.2 26.1 39.1



#64
Tetrachloroethene
Concen: 19.839 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion:164 Resp: 123013
Ion Ratio Lower Upper
164 100
166 124.6 101.8 152.8
129 93.5 75.4 113.0
131 89.3 73.6 110.4





#65

Chlorobenzene

Concen: 21.396 ug/l

RT: 12.42 min Scan# 1117

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

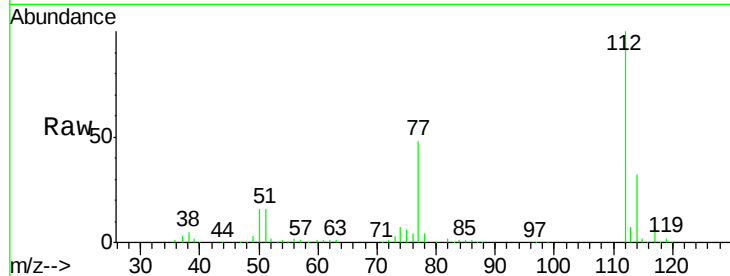
VD0409SBS02

Tot Ion:112 Resp: 338931

Ion Ratio Lower Upper

112 100

114 32.4 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.42

250000

200000

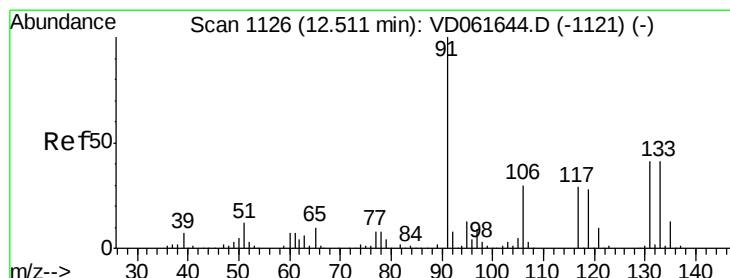
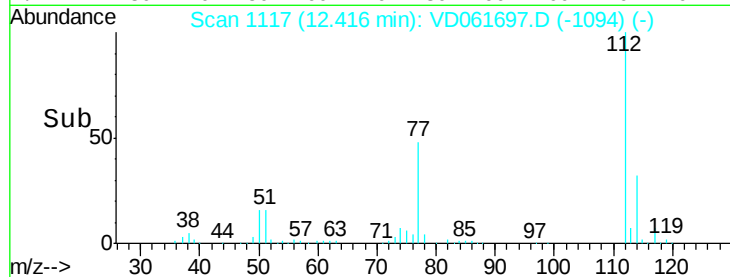
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#66

1,1,1,2-Tetrachloroethane

Concen: 22.829 ug/l

RT: 12.52 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

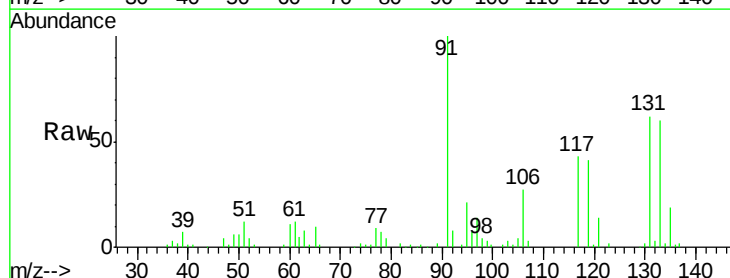
Tgt Ion:131 Resp: 139158

Ion Ratio Lower Upper

131 100

133 97.8 49.5 148.3

119 66.5 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.52

100000

80000

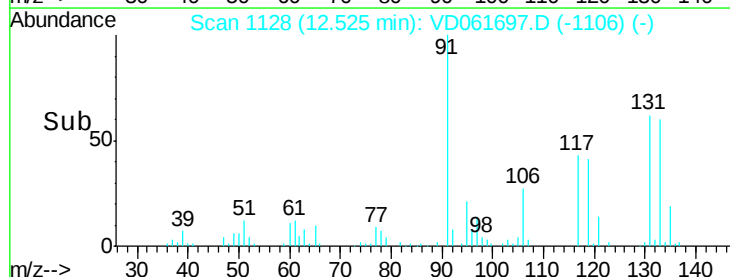
60000

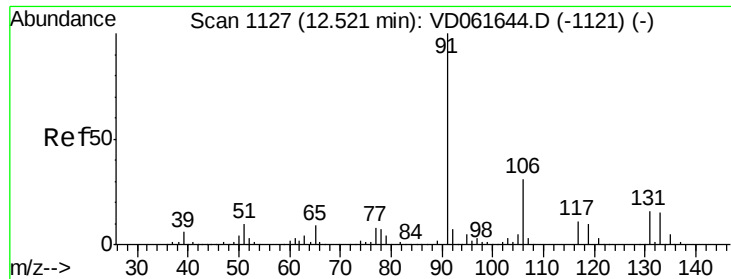
40000

20000

0

Time--> 12.45 12.50 12.55 12.60

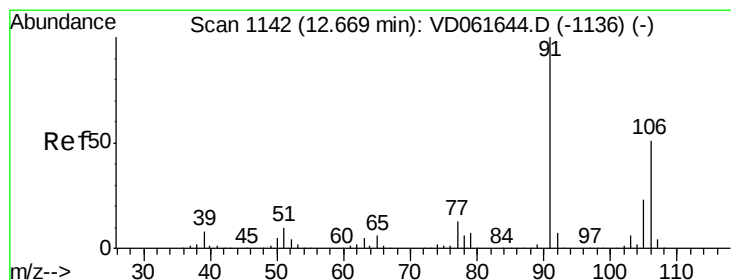
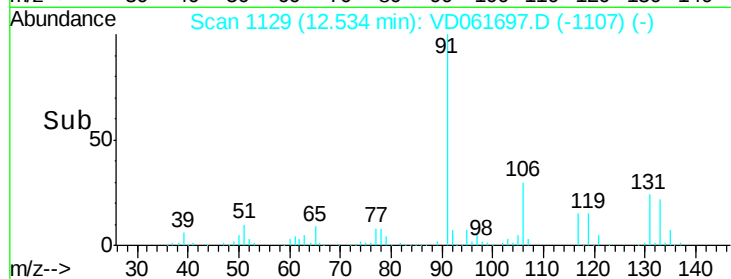
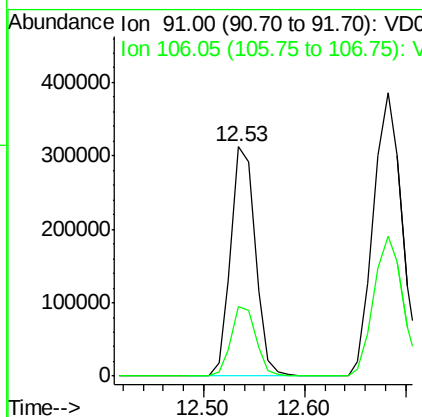
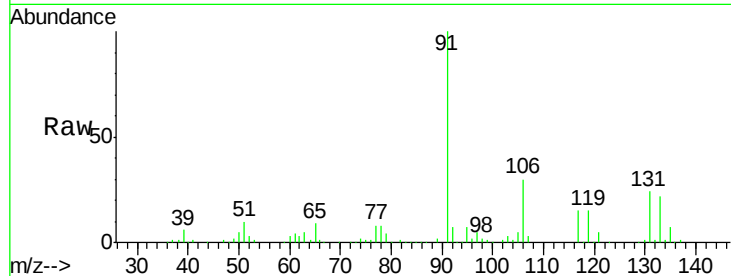




#67
Ethyl Benzene
Concen: 22.140 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

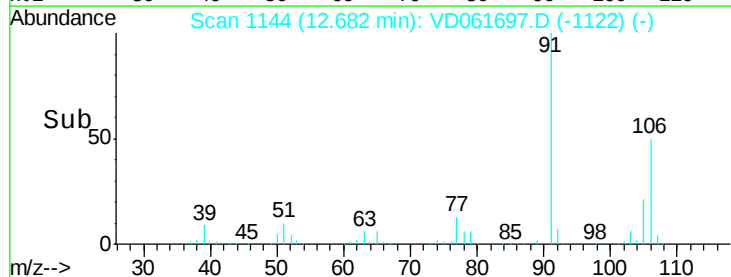
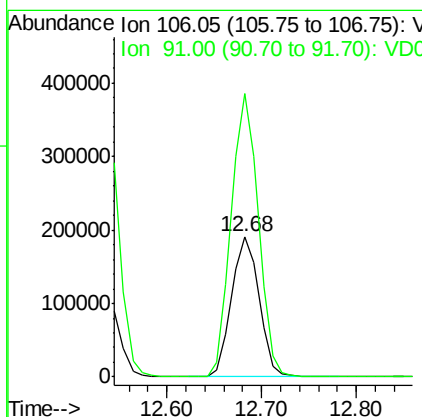
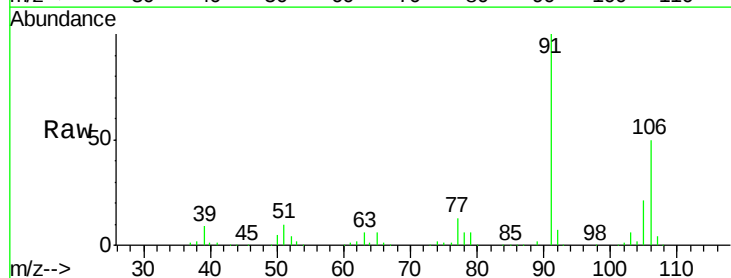
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

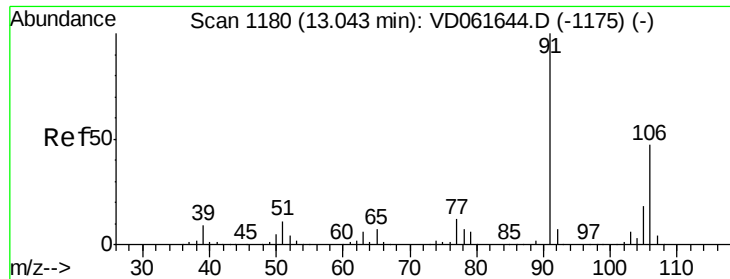
Tot Ion: 91 Resp: 534068
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0



#68
m/p-Xylenes
Concen: 41.458 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 106 Resp: 385549
Ion Ratio Lower Upper
106 100
91 202.0 156.7 235.1

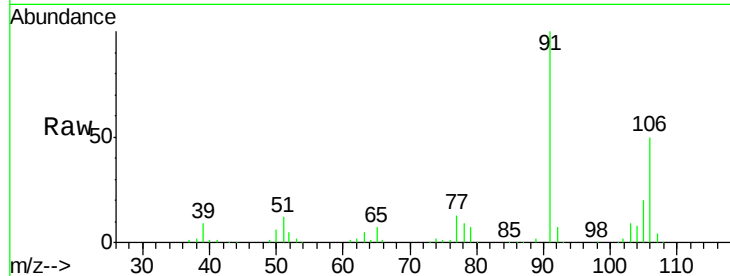




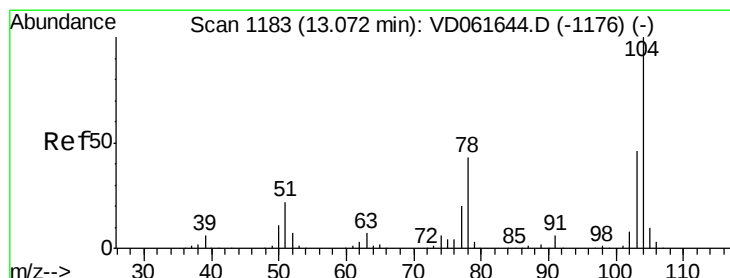
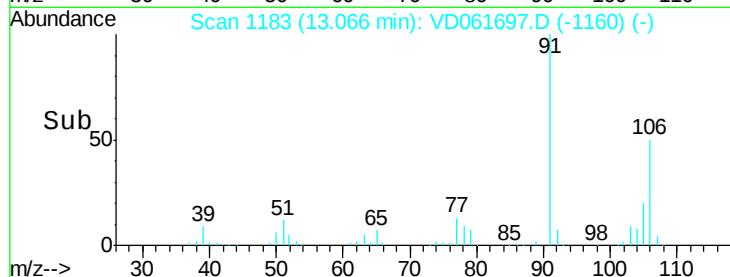
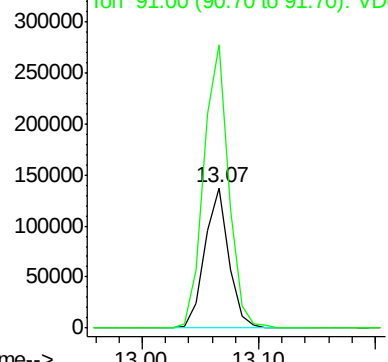
#69
o-Xylene
Concen: 21.893 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

Tot Ion:106 Resp: 196539
Ion Ratio Lower Upper
106 100
91 201.7 107.3 321.9

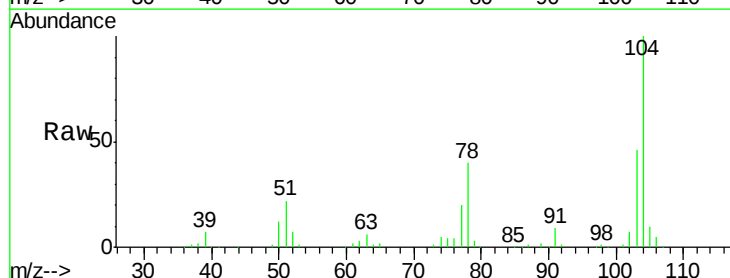


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

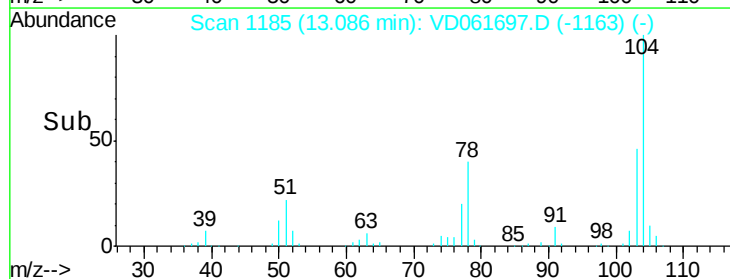
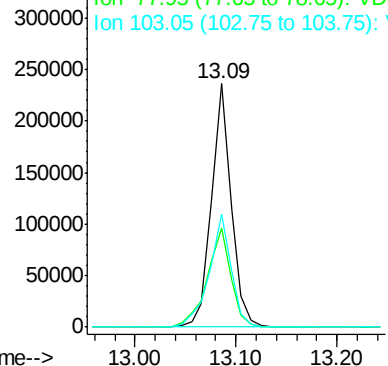


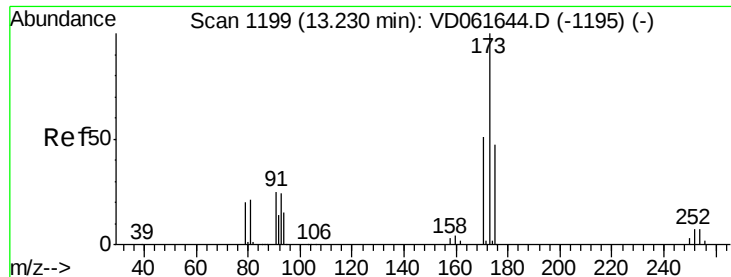
#70
Styrene
Concen: 20.884 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion:104 Resp: 320166
Ion Ratio Lower Upper
104 100
78 40.4 34.2 51.4
103 46.4 37.2 55.8



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: 21.515 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

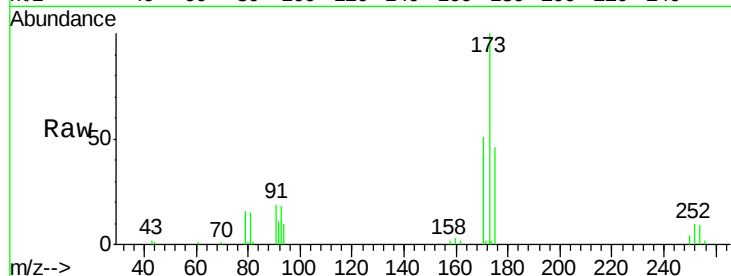
Tot Ion:173 Resp: 81373

Ion Ratio Lower Upper

173 100

175 45.8 23.7 71.1

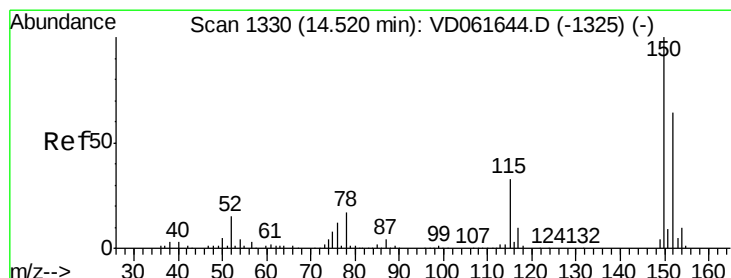
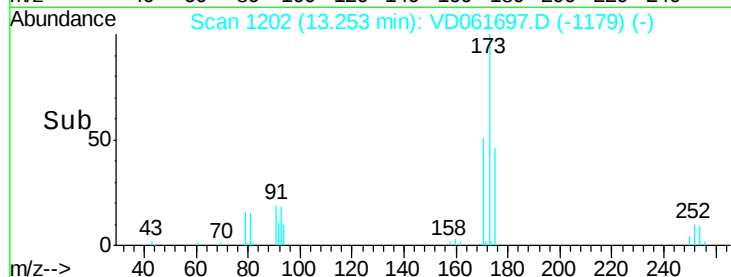
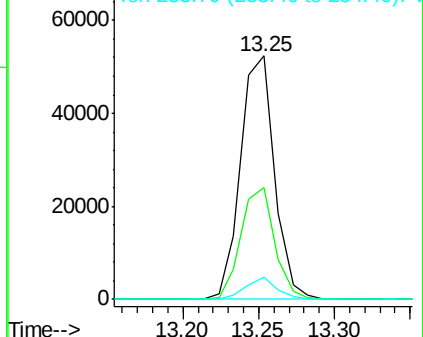
254 9.2 5.8 8.6#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

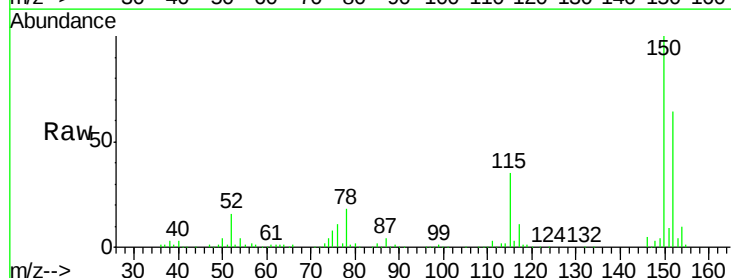
Tgt Ion:152 Resp: 357466

Ion Ratio Lower Upper

152 100

115 54.7 26.4 79.2

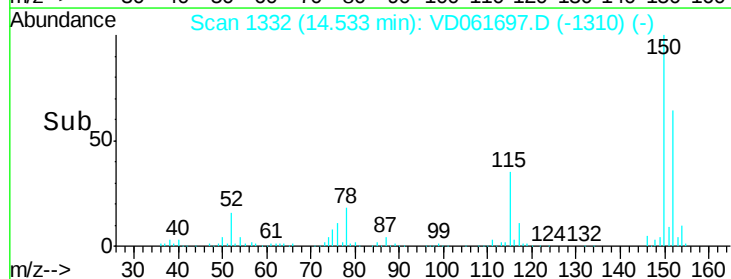
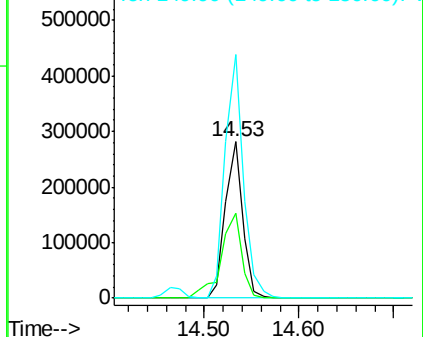
150 155.8 0.0 320.6

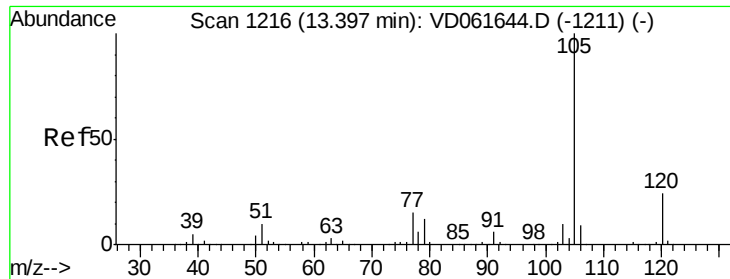


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.627 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

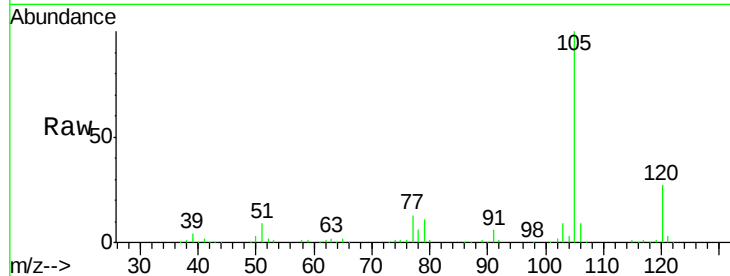
VD0409SBS02

Tot Ion:105 Resp: 491299

Ion Ratio Lower Upper

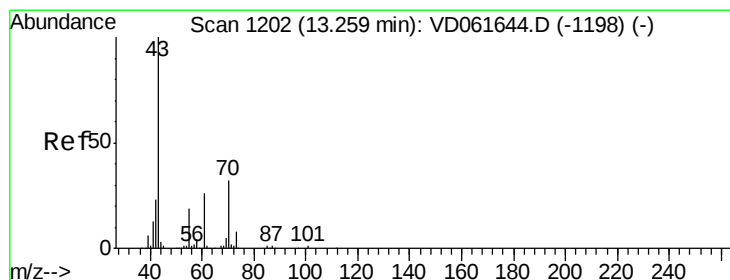
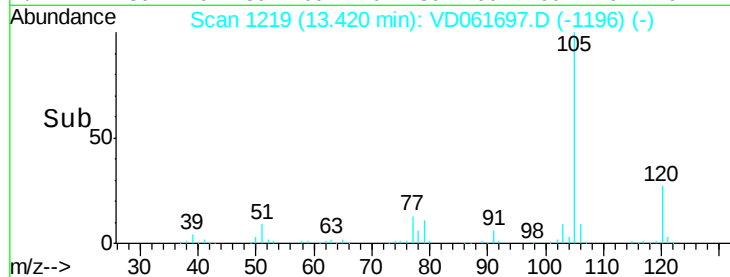
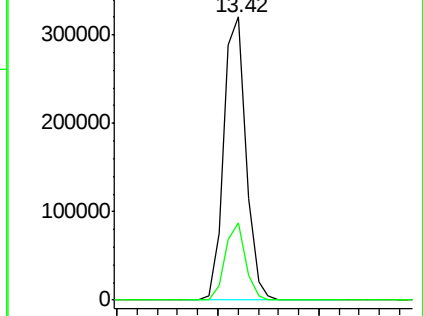
105 100

120 27.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.986 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Tgt Ion: 43 Resp: 135813

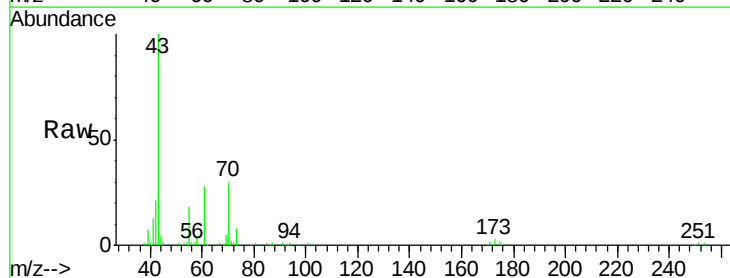
Ion Ratio Lower Upper

43 100

70 30.2 25.4 38.2

55 18.2 15.0 22.4

61 27.6 20.9 31.3

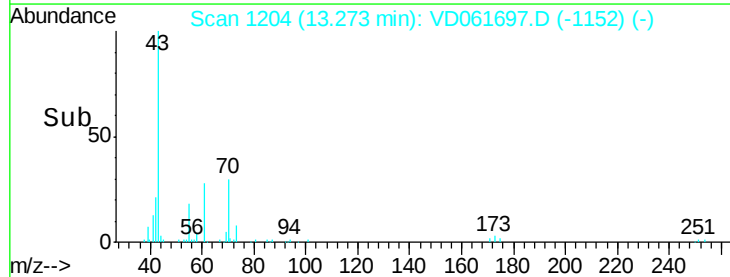
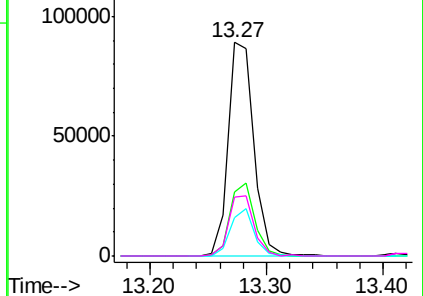


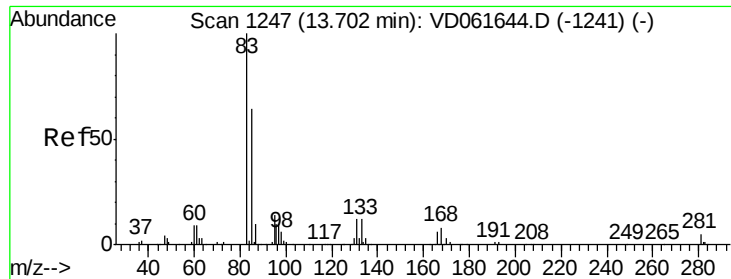
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 21.975 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

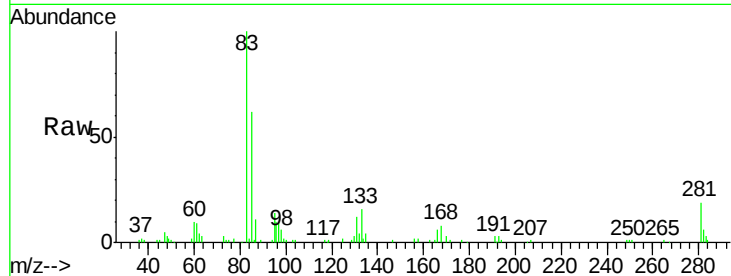
Tot Ion: 83 Resp: 108226

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.6

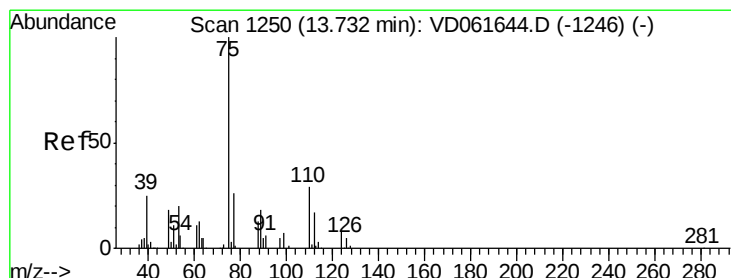
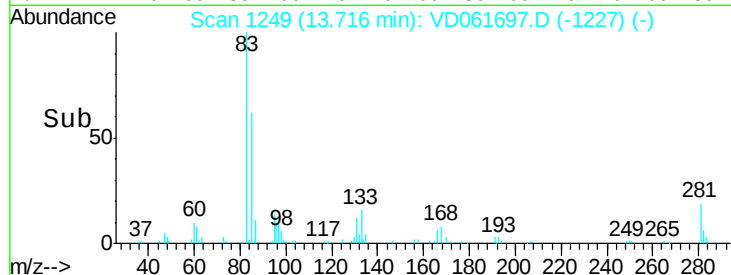
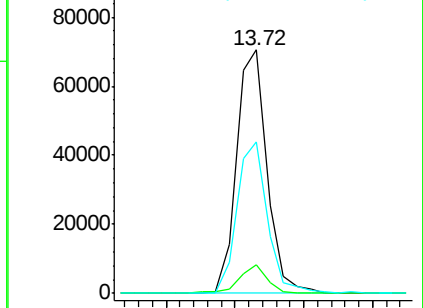
85 62.2 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.503 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD061697.D

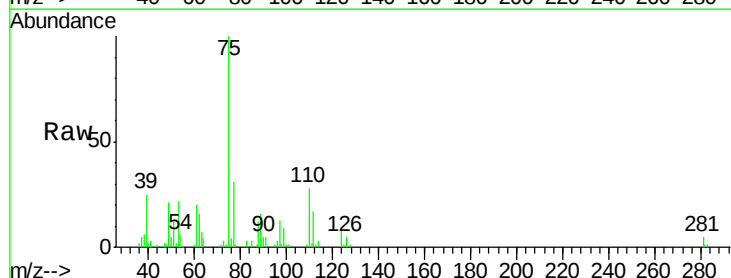
Acq: 10 Apr 2019 3:54

Tgt Ion: 75 Resp: 109438

Ion Ratio Lower Upper

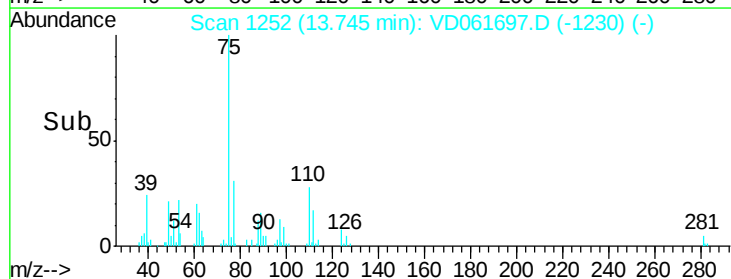
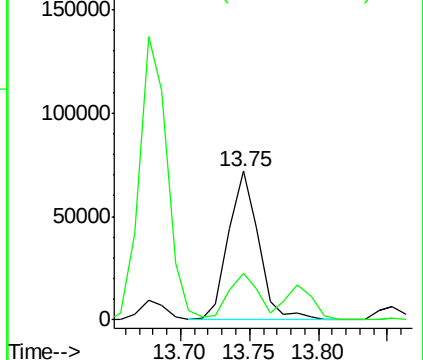
75 100

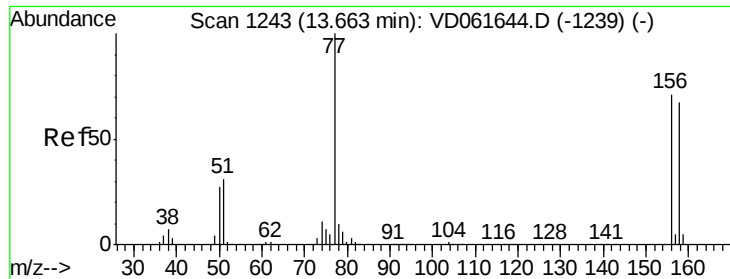
77 31.3 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.051 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

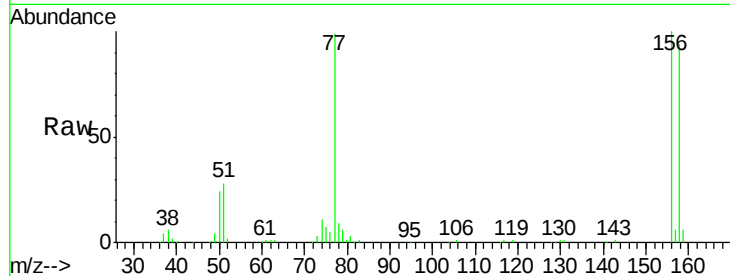
Tot Ion:156 Resp: 159369

Ion Ratio Lower Upper

156 100

77 99.1 70.3 210.8

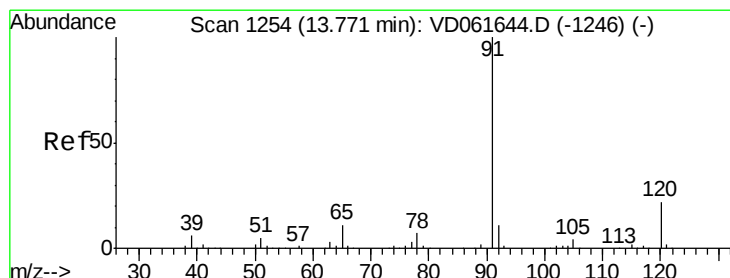
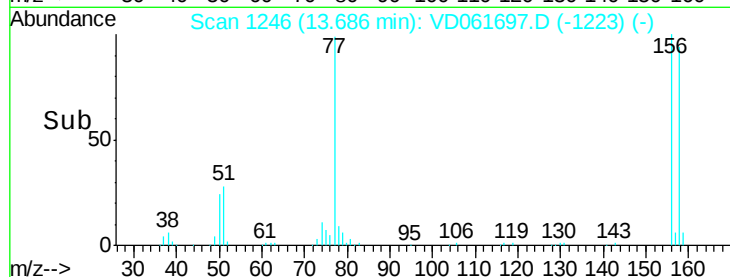
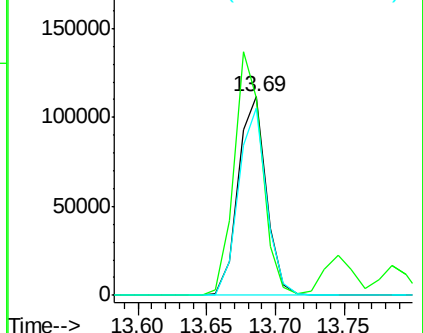
158 94.4 47.4 142.2



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: 22.746 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061697.D

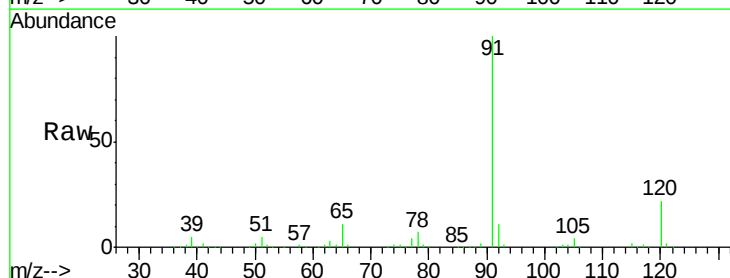
Acq: 10 Apr 2019 3:54

Tgt Ion: 91 Resp: 648061

Ion Ratio Lower Upper

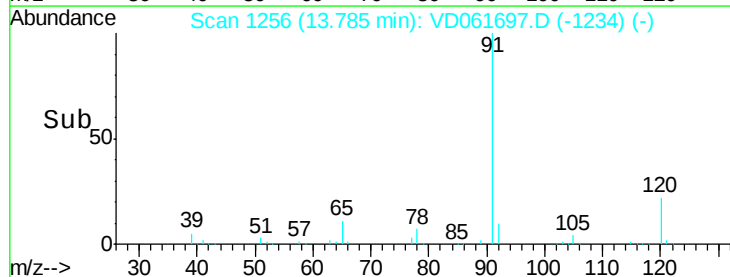
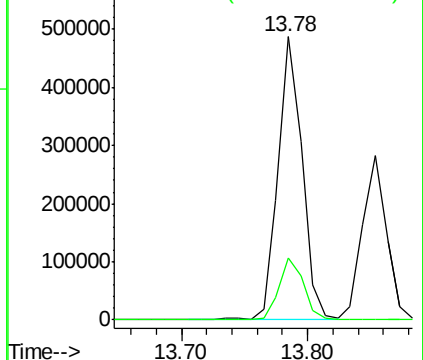
91 100

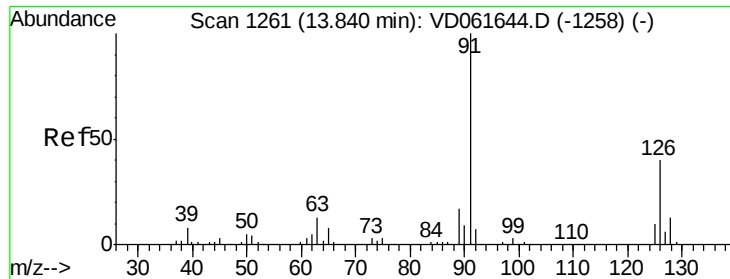
120 21.9 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

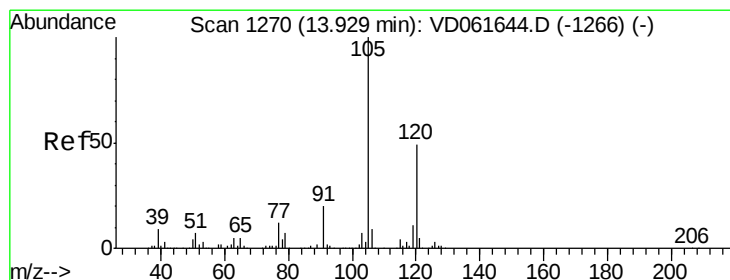
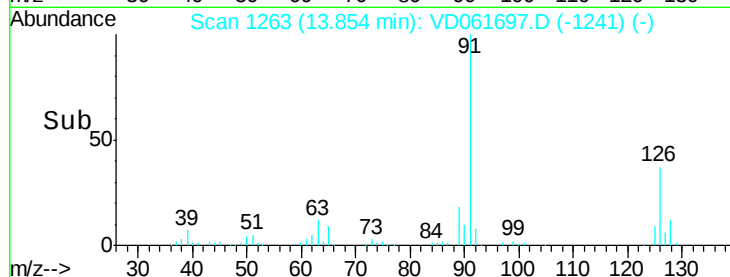
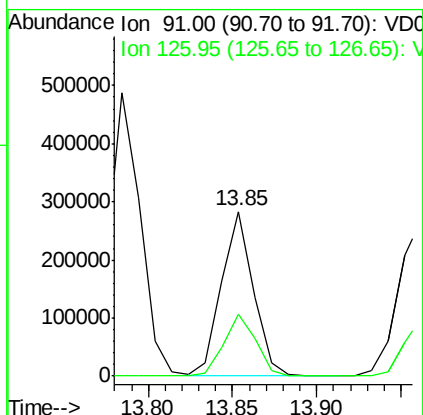
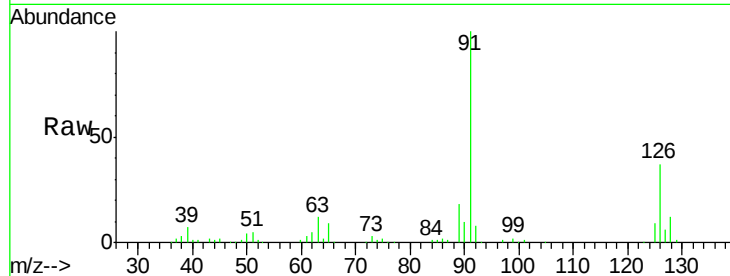




#79
 2-Chlorotoluene
 Concen: 22.812 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

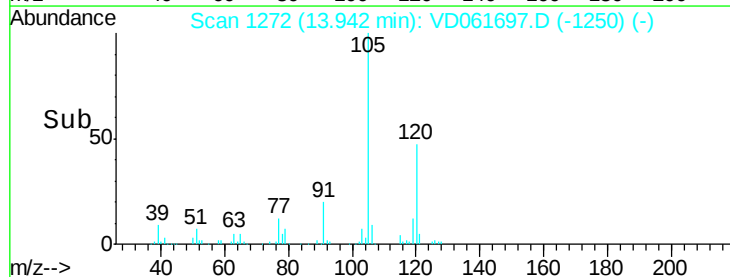
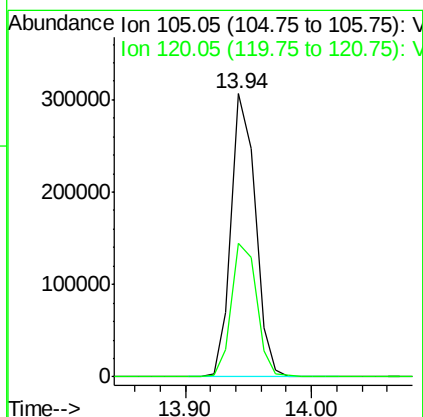
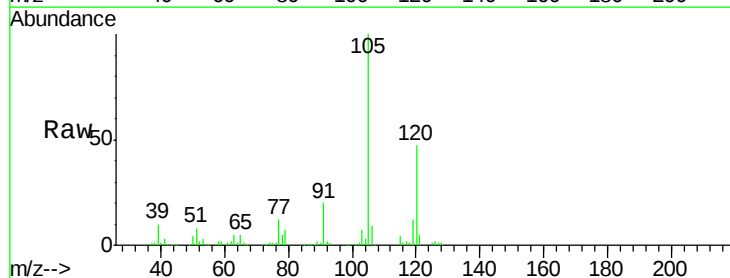
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

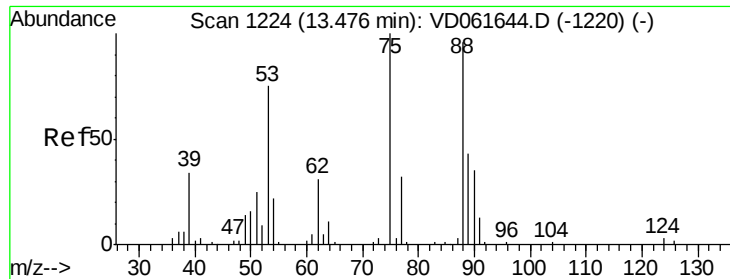
Tot Ion: 91 Resp: 371681
 Ion Ratio Lower Upper
 91 100
 126 37.5 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 21.587 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 105 Resp: 408092
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.4 73.2

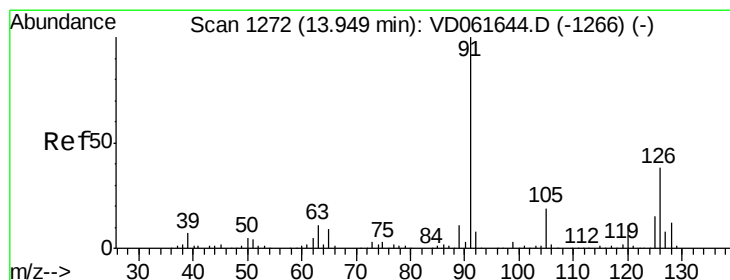
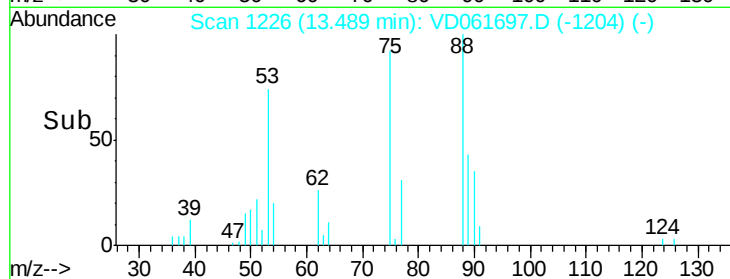
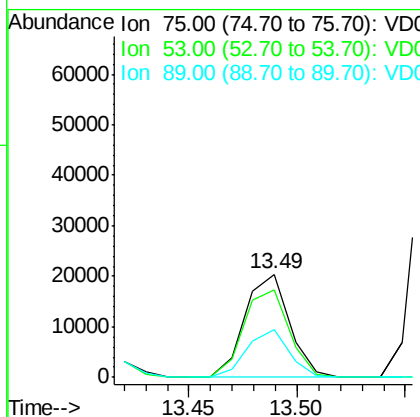
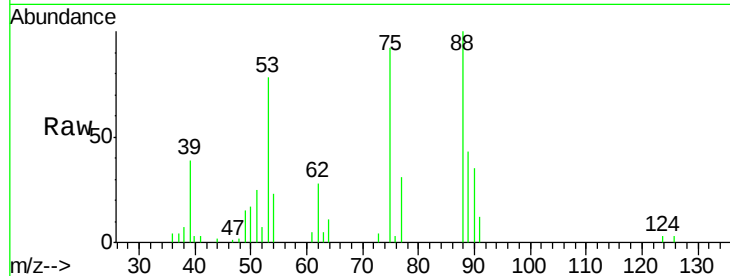




#81
trans-1,4-Dichloro-2-butene
Concen: 19.716 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

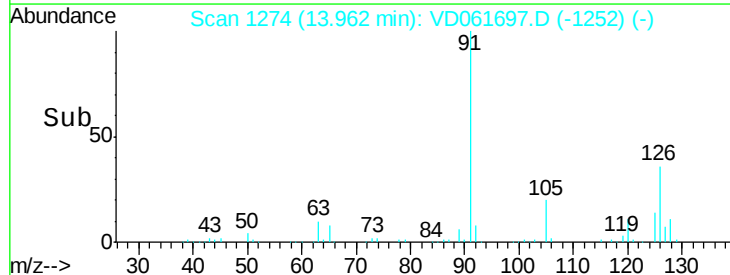
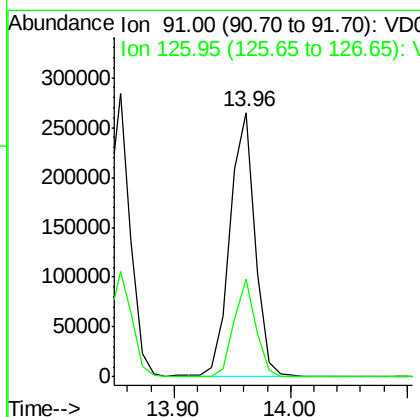
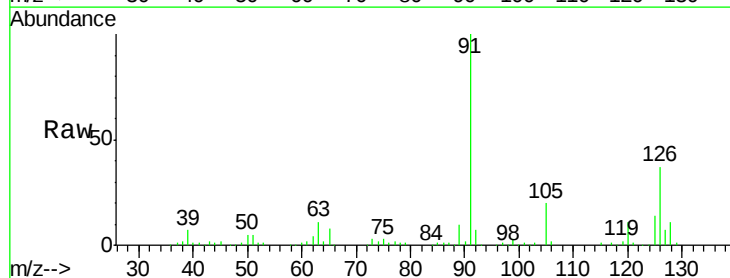
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

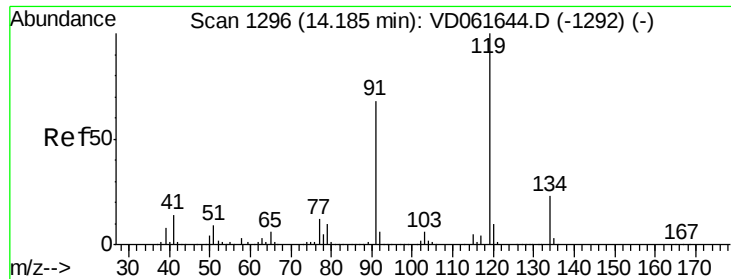
Tot Ion: 75 Resp: 29097
Ion Ratio Lower Upper
75 100
53 85.0 60.2 90.2
89 46.4 34.2 51.2



#82
4-Chlorotoluene
Concen: 21.948 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 91 Resp: 391848
Ion Ratio Lower Upper
91 100
126 36.9 19.0 57.0

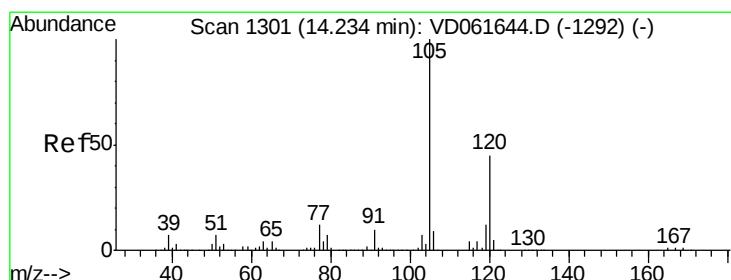
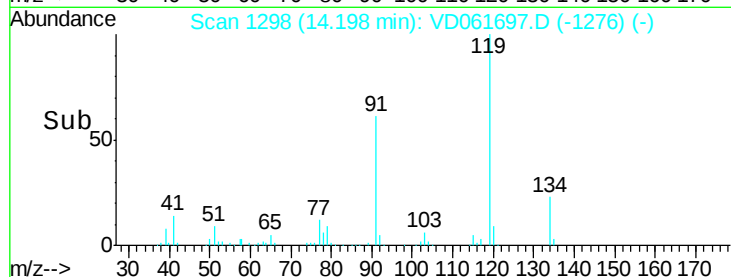
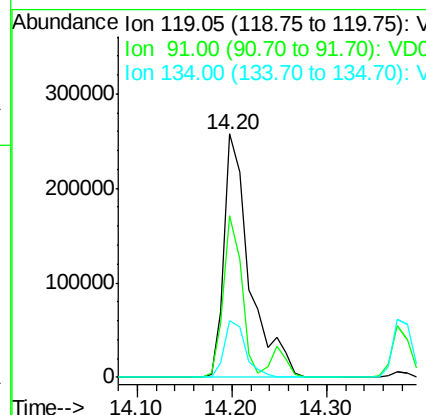
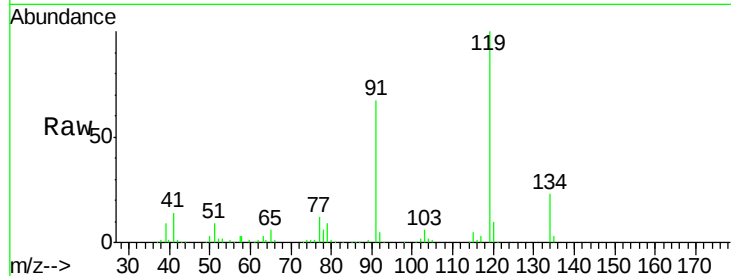




#83
 tert-Butylbenzene
 Concen: 21.250 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

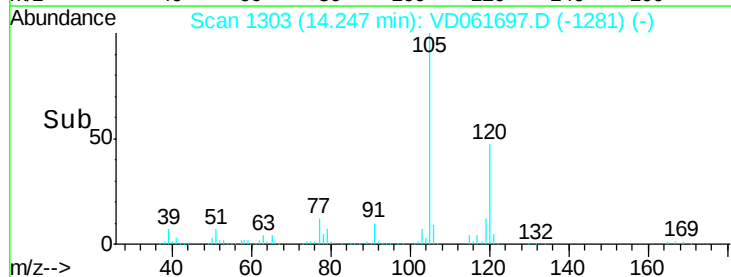
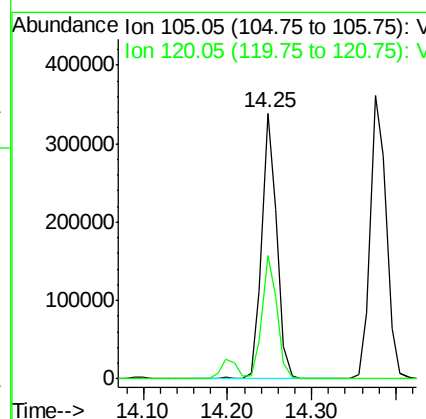
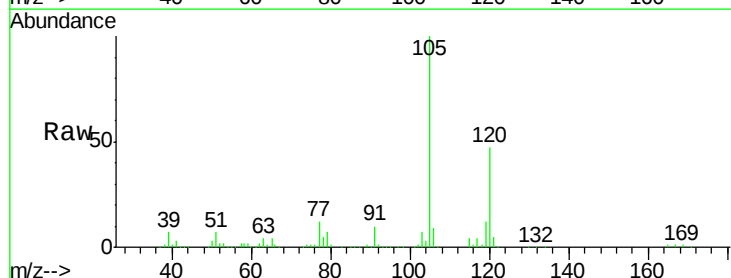
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

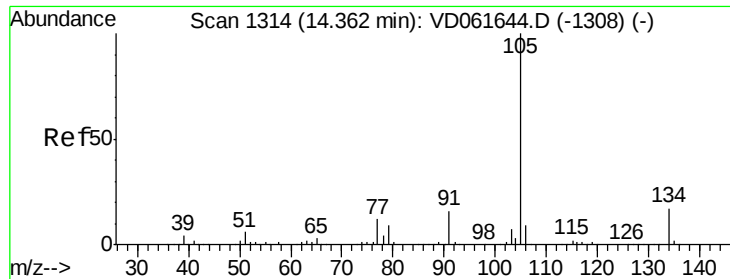
Tot Ion:119 Resp: 484372
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.9 101.6
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.487 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion:105 Resp: 429055
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.6 67.8

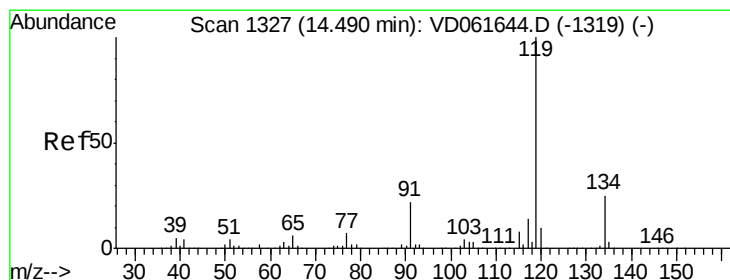
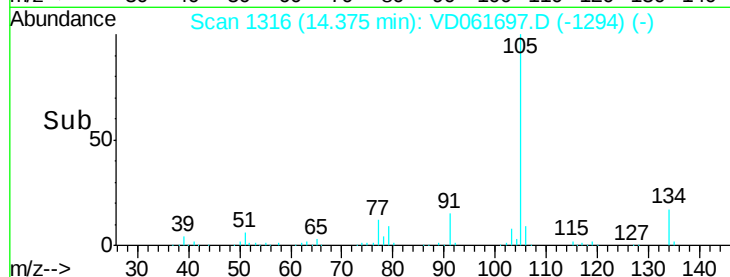
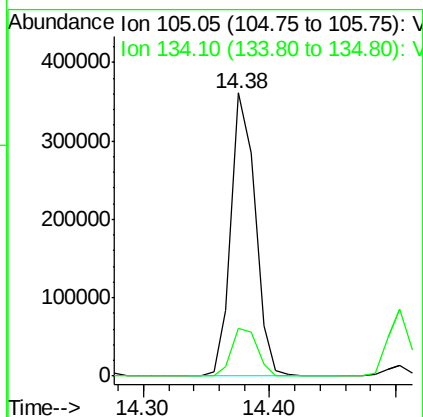
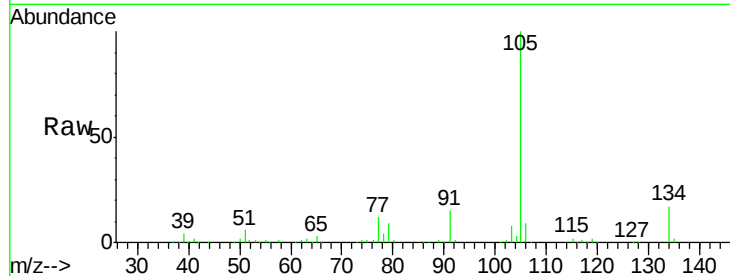




#85
 sec-Butylbenzene
 Concen: 19.463 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

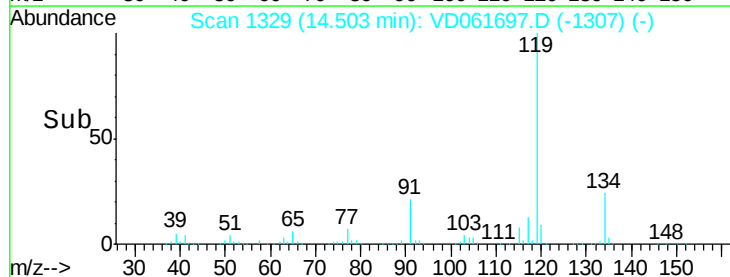
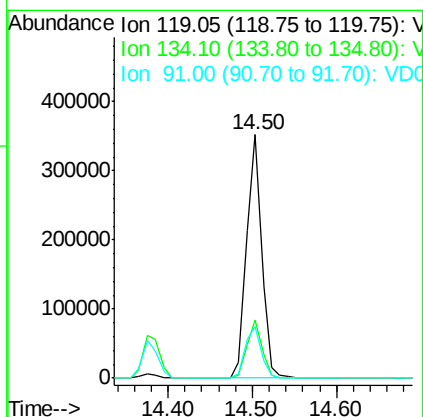
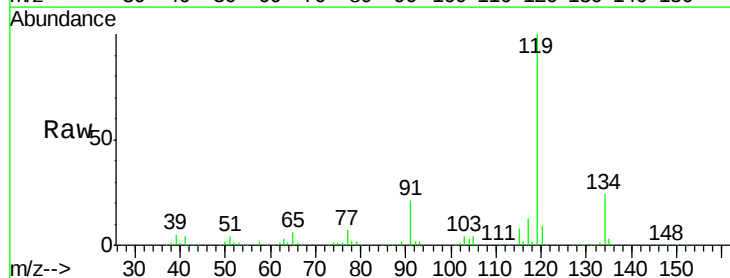
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

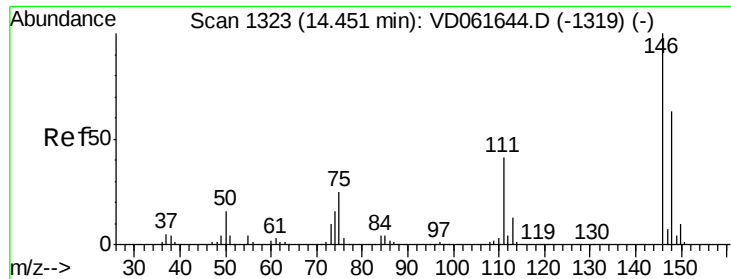
Tot Ion:105 Resp: 479312
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 20.633 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion:119 Resp: 440802
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.5 37.5
 91 21.3 11.0 33.0

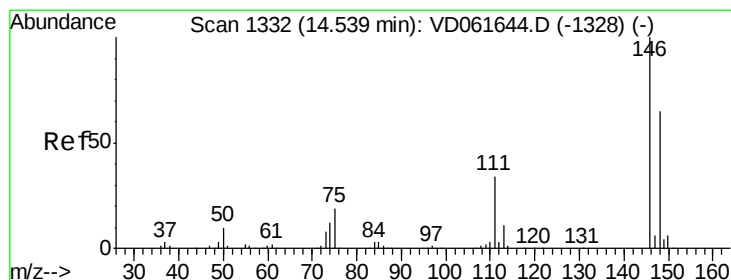
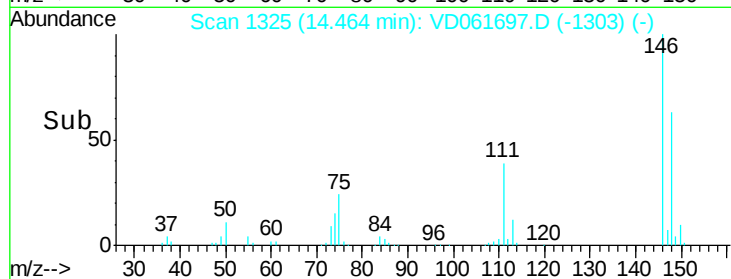
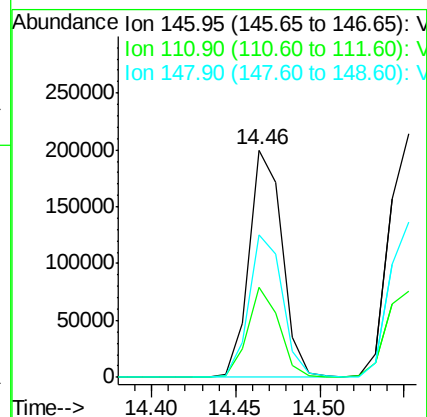
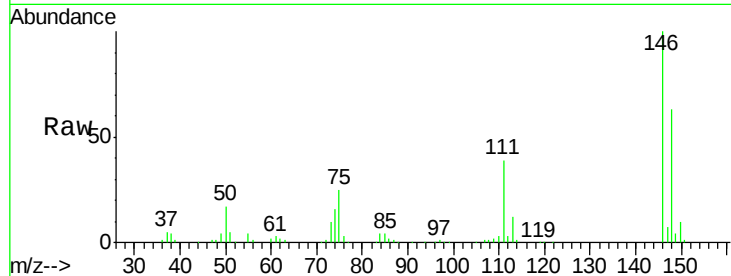




#87
 1,3-Dichlorobenzene
 Concen: 22.939 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

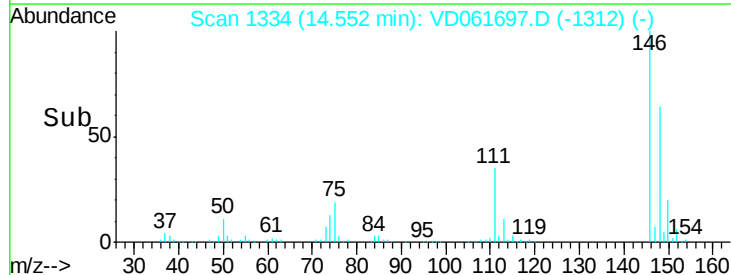
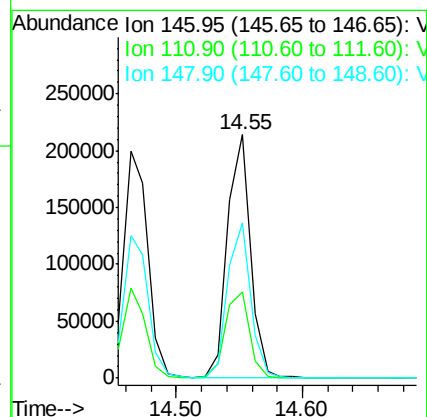
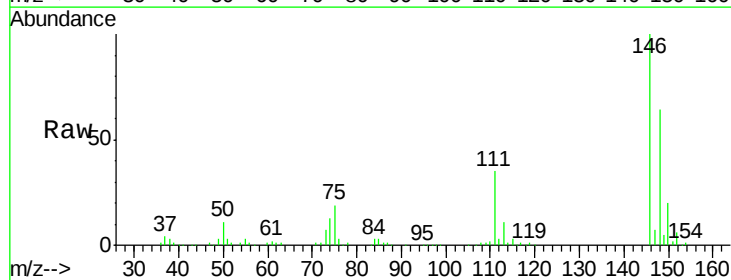
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

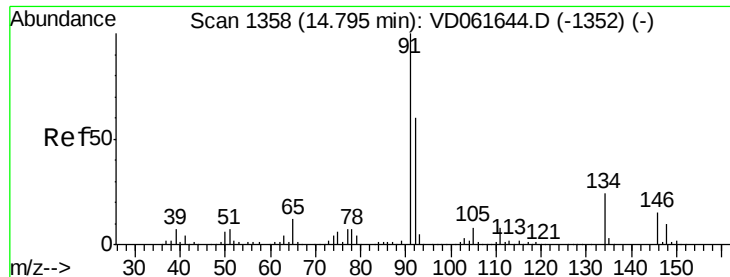
Tot Ion:146 Resp: 272940
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.3 61.0
 148 62.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 22.613 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion:146 Resp: 271481
 Ion Ratio Lower Upper
 146 100
 111 35.3 17.1 51.2
 148 63.6 32.6 97.7

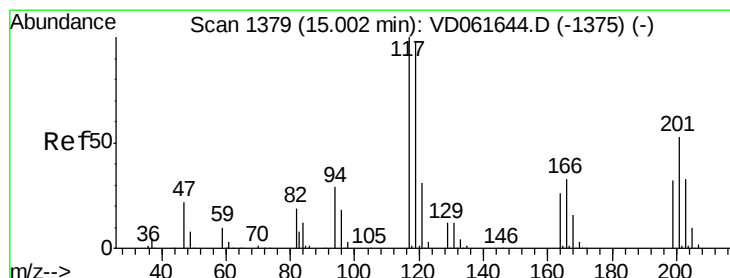
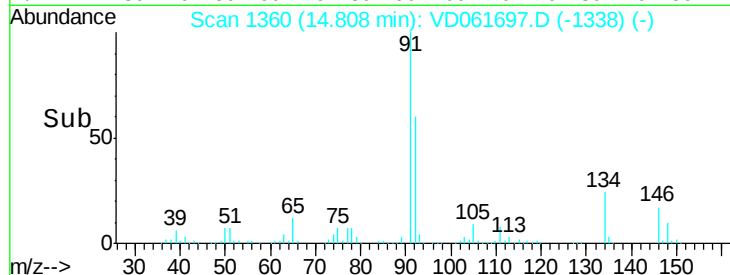
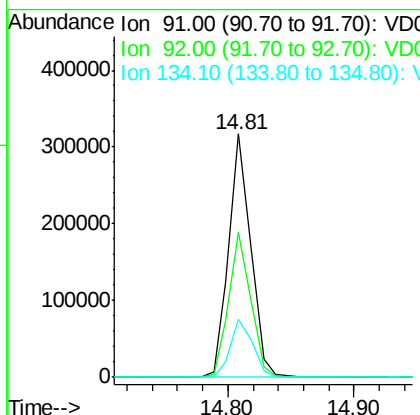
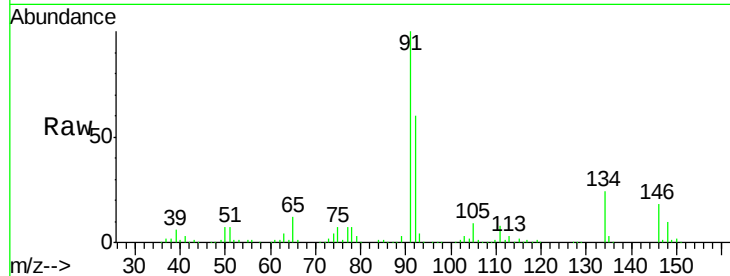




#89
n-Butylbenzene
Concen: 20.580 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

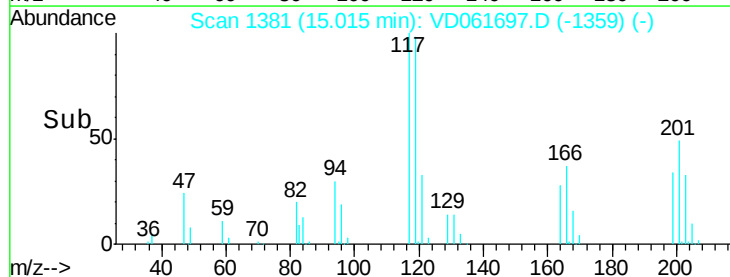
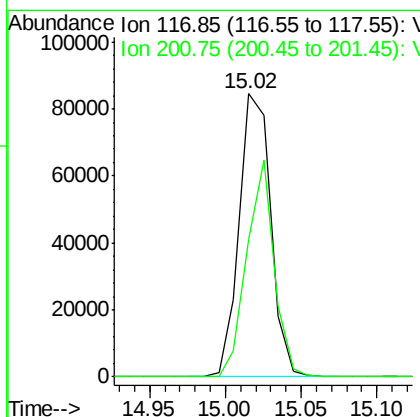
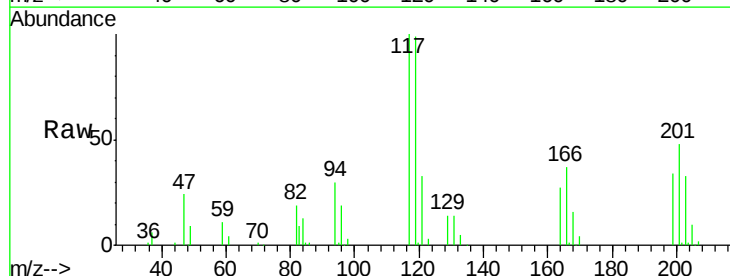
Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS02

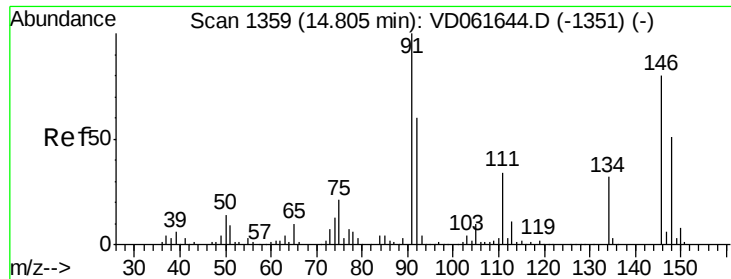
Tot Ion: 91 Resp: 382160
Ion Ratio Lower Upper
91 100
92 59.5 29.8 89.4
134 23.7 12.2 36.4



#90
Hexachloroethane
Concen: 21.146 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 117 Resp: 122580
Ion Ratio Lower Upper
117 100
201 48.4 26.3 78.8

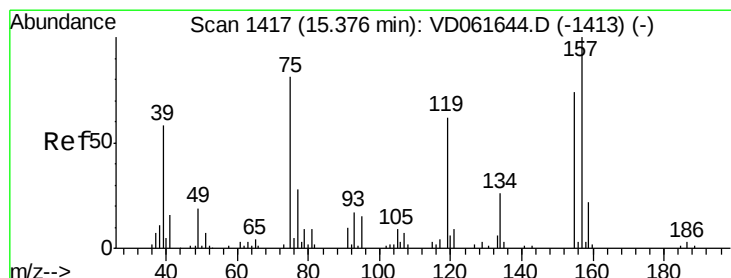
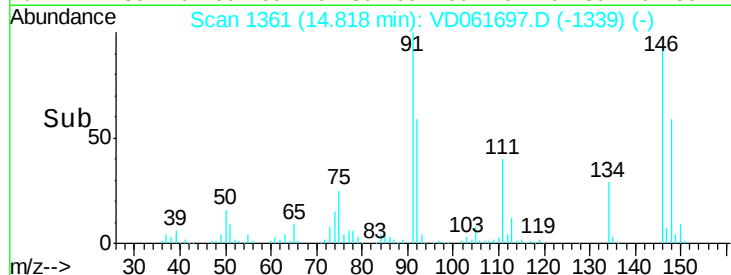
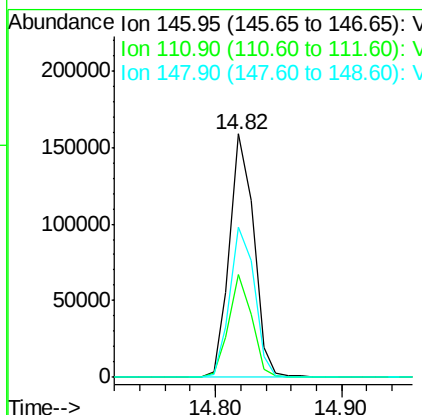
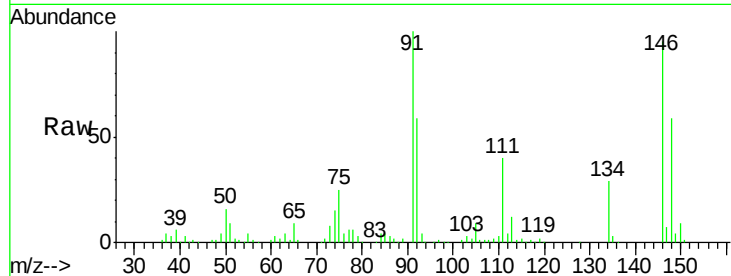




#91
 1,2-Dichlorobenzene
 Concen: 21.555 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

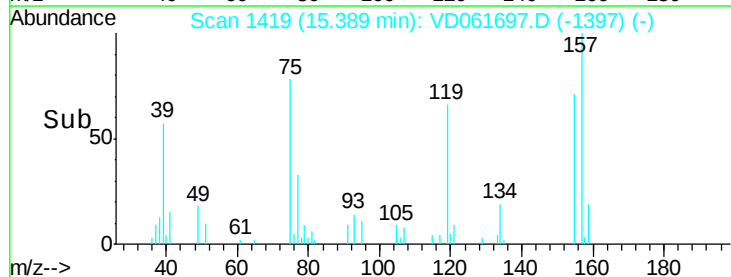
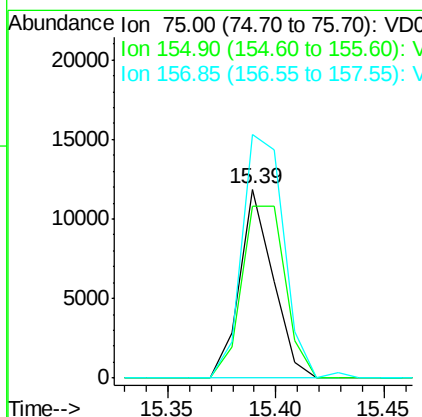
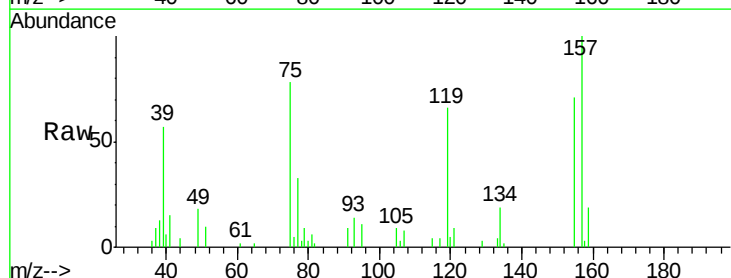
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

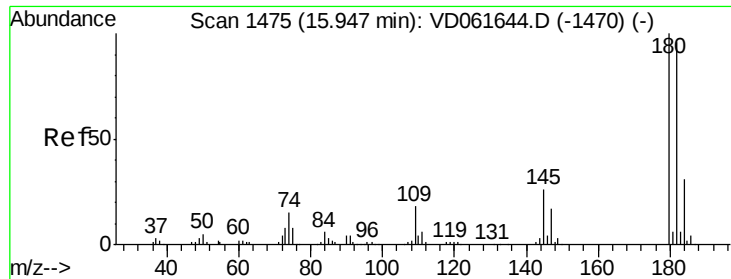
Tot Ion:146 Resp: 211370
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.1 63.3
 148 61.9 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.634 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 75 Resp: 12857
 Ion Ratio Lower Upper
 75 100
 155 91.0 45.6 136.7
 157 128.9 61.4 184.2

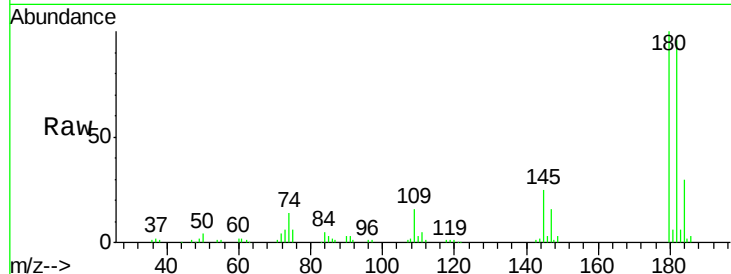




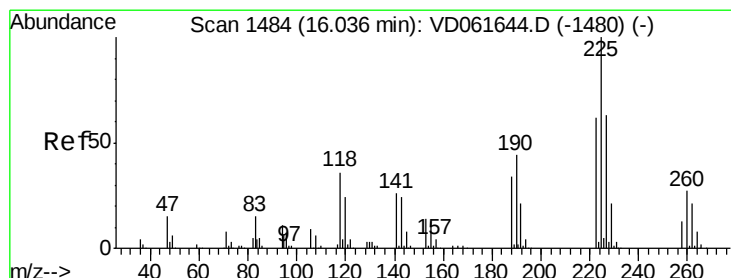
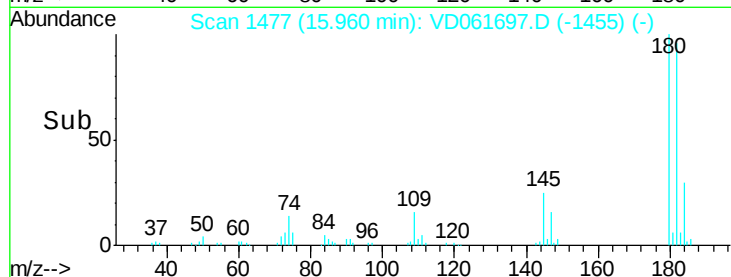
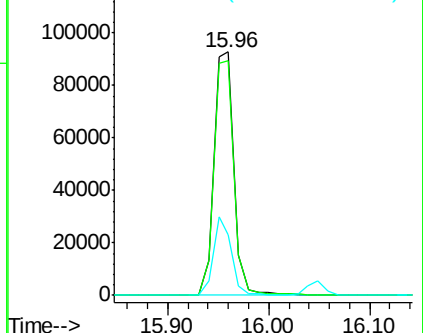
#93
 1,2,4-Trichlorobenzene
 Concen: 25.908 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS02

Tot Ion:180 Resp: 129439
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.8 143.3
 145 24.9 13.3 39.8

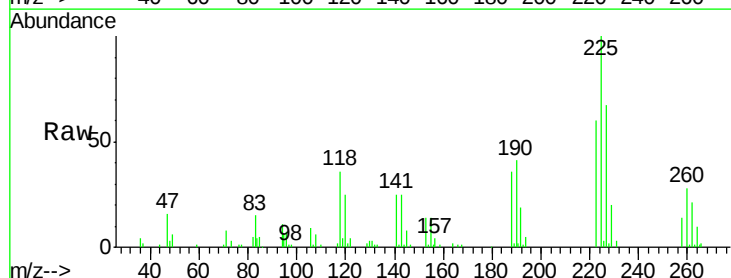


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

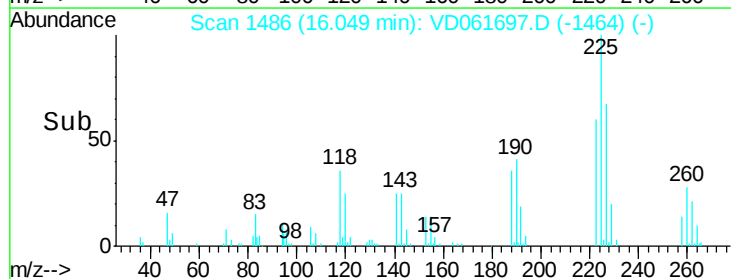
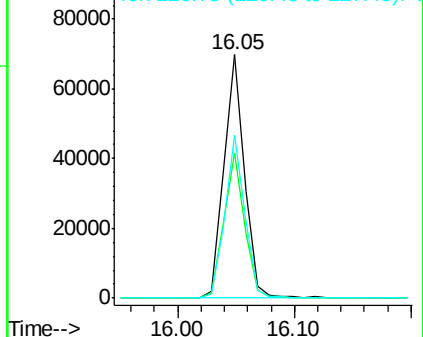


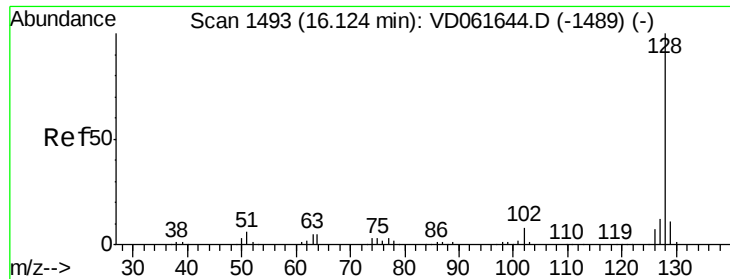
#94
 Hexachlorobutadiene
 Concen: 21.972 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion:225 Resp: 84761
 Ion Ratio Lower Upper
 225 100
 223 59.8 30.8 92.3
 227 67.2 31.5 94.5



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: 26.532 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS02

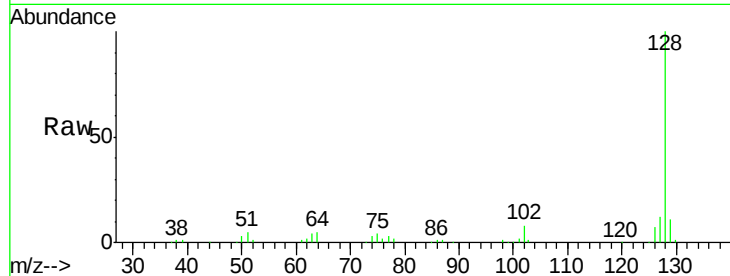
Tot Ion:128 Resp: 209743

Ion Ratio Lower Upper

128 100

127 11.6 9.4 14.2

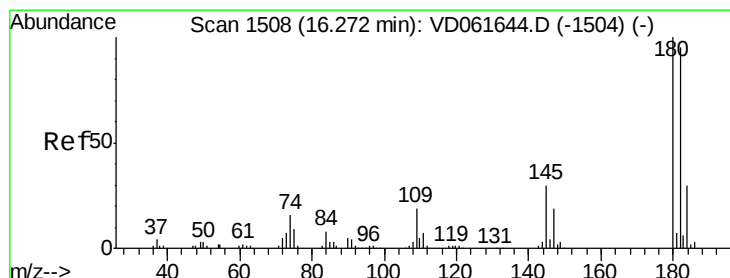
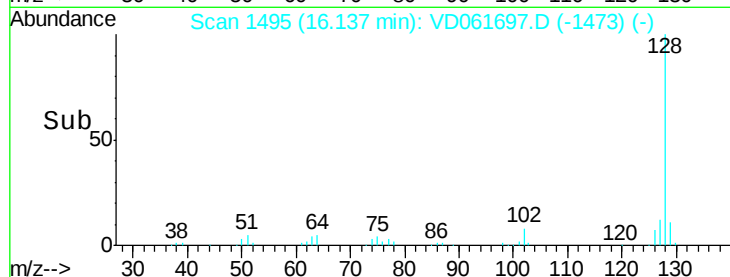
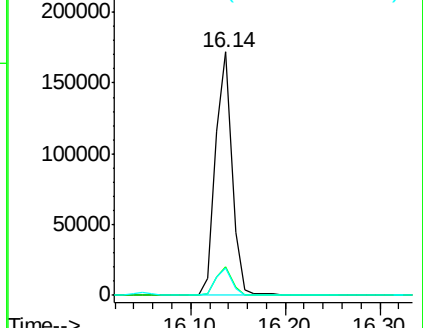
129 11.2 8.8 13.2



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: 32.493 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

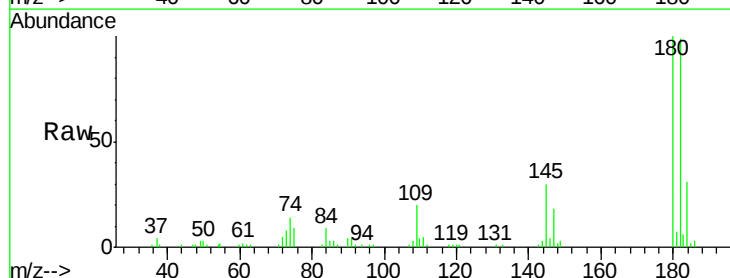
Tgt Ion:180 Resp: 81018

Ion Ratio Lower Upper

180 100

182 99.2 47.3 142.0

145 30.0 15.1 45.3



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

