

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061876.D
 Acq On : 18 Apr 2019 16:07
 Operator : VA/AP
 Sample : VD0418SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS01

Quant Time: Apr 18 16:30:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	541370	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.22	114	842448	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	754144	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	356953	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	248838	54.84	ug/l	-0.04
Spiked Amount			Recovery	=	109.68%	
35) Dibromofluoromethane	6.92	113	366770	57.63	ug/l	-0.05
Spiked Amount			Recovery	=	115.26%	
50) Toluene-d8	10.41	98	826163	54.78	ug/l	-0.04
Spiked Amount			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	13.56	95	317913	52.01	ug/l	-0.02
Spiked Amount			Recovery	=	104.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	92765	17.556	ug/l	98
3) Chloromethane	1.75	50	89928	21.355	ug/l	97
4) Vinyl Chloride	1.84	62	81295	19.452	ug/l	98
5) Bromomethane	2.14	94	19276	18.272	ug/l	98
6) Chloroethane	2.25	64	25160	17.647	ug/l	98
7) Trichlorofluoromethane	2.51	101	141713	20.907	ug/l	99
8) Diethyl Ether	2.87	74	36949	20.800	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	123137	20.374	ug/l	98
10) Methyl Iodide	3.30	142	142039	17.201	ug/l	99
11) Tert butyl alcohol	4.06	59	32086	119.917	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	105572	20.778	ug/l	98
13) Acrolein	3.03	56	22652	87.449	ug/l	100
14) Allyl chloride	3.61	41	140625	20.305	ug/l	96
15) Acrylonitrile	4.19	53	87411	104.060	ug/l	95
16) Acetone	3.21	43	114335	102.245	ug/l	98
17) Carbon Disulfide	3.37	76	290844	17.716	ug/l	100
18) Methyl Acetate	3.64	43	50074	22.341	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	206843	21.814	ug/l	96
20) Methylene Chloride	3.80	84	142769	23.229	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	110417	19.774	ug/l	91
22) Diisopropyl ether	5.11	45	320595	21.656	ug/l	97
23) Vinyl Acetate	5.04	43	892918	112.833	ug/l	99
24) 1,1-Dichloroethane	4.97	63	192923	21.494	ug/l	99
25) 2-Butanone	6.06	43	141495	111.143	ug/l	98
26) 2,2-Dichloropropane	6.02	77	166881	21.511	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	130948	21.633	ug/l	91
28) Bromochloromethane	6.43	49	74526	21.860	ug/l	95
29) Tetrahydrofuran	6.45	42	65701	105.945	ug/l	100
30) Chloroform	6.66	83	216243	21.600	ug/l	95
31) Cyclohexane	6.95	56	130137	18.940	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	188705	21.264	ug/l	95
36) 1,1-Dichloropropene	7.14	75	156266	22.699	ug/l	98
37) Ethyl Acetate	6.18	43	68417	23.221	ug/l #	89
38) Carbon Tetrachloride	7.11	117	194746	22.403	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	134562	18.823	ug/l	96
40) Benzene	7.46	78	338797	20.499	ug/l	95
41) Methacrylonitrile	6.43	41	76541	21.979	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	130265	22.631	ug/l	97
43) Isopropyl Acetate	9.24	43	91127	21.978	ug/l	98
44) Trichloroethene	8.54	130	148671	23.367	ug/l	97
45) 1,2-Dichloropropane	8.94	63	94737	22.006	ug/l	99
46) Dibromomethane	9.06	93	71708	23.377	ug/l	97
47) Bromodichloromethane	9.37	83	165196	23.344	ug/l	97
48) Methyl methacrylate	9.12	41	52878	21.696	ug/l	93
49) 1,4-Dioxane	9.09	88	12160	456.474	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	319517	126.014	ug/l	96
52) Toluene	10.51	92	225798	21.319	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	135794	21.296	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	160028	21.380	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	81683	22.888	ug/l	96
56) Ethyl methacrylate	11.04	69	90193	23.026	ug/l	94
57) 1,3-Dichloropropane	11.41	76	120173	22.398	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	222125	119.225	ug/l	100
59) 2-Hexanone	11.53	43	219131	116.359	ug/l	97
60) Dibromochloromethane	11.69	129	131240	22.474	ug/l	98
61) 1,2-Dibromoethane	11.81	107	101314	23.087	ug/l	95
64) Tetrachloroethene	11.25	164	111299	19.679	ug/l	98
65) Chlorobenzene	12.40	112	288886	20.569	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	120832	20.530	ug/l	99
67) Ethyl Benzene	12.52	91	478507	21.275	ug/l	99
68) m/p-Xylenes	12.66	106	321851	38.095	ug/l	95
69) o-Xylene	13.05	106	160216	20.176	ug/l	92
70) Styrene	13.08	104	283467	20.744	ug/l	98
71) Bromoform	13.23	173	73505	21.040	ug/l	99
73) Isopropylbenzene	13.40	105	437652	18.905	ug/l	98
74) N-amyl acetate	13.26	43	119173	19.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	97499	21.307	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	98709	21.057	ug/l	98
77) Bromobenzene	13.67	156	129620	19.711	ug/l	86
78) n-propylbenzene	13.78	91	532441	19.907	ug/l	100
79) 2-Chlorotoluene	13.84	91	289719	18.543	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	364122	19.823	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	27465	20.197	ug/l	87
82) 4-Chlorotoluene	13.95	91	380649	21.285	ug/l	96
83) tert-Butylbenzene	14.19	119	449464	20.840	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	395149	21.401	ug/l	98
85) sec-Butylbenzene	14.37	105	452499	20.295	ug/l	99
86) p-Isopropyltoluene	14.49	119	421093	20.185	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	231436	20.160	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	243787	21.483	ug/l	95
89) n-Butylbenzene	14.80	91	348589	18.877	ug/l	95
90) Hexachloroethane	15.01	117	109084	19.185	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	189222	19.678	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12722	22.899	ug/l	85

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Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration

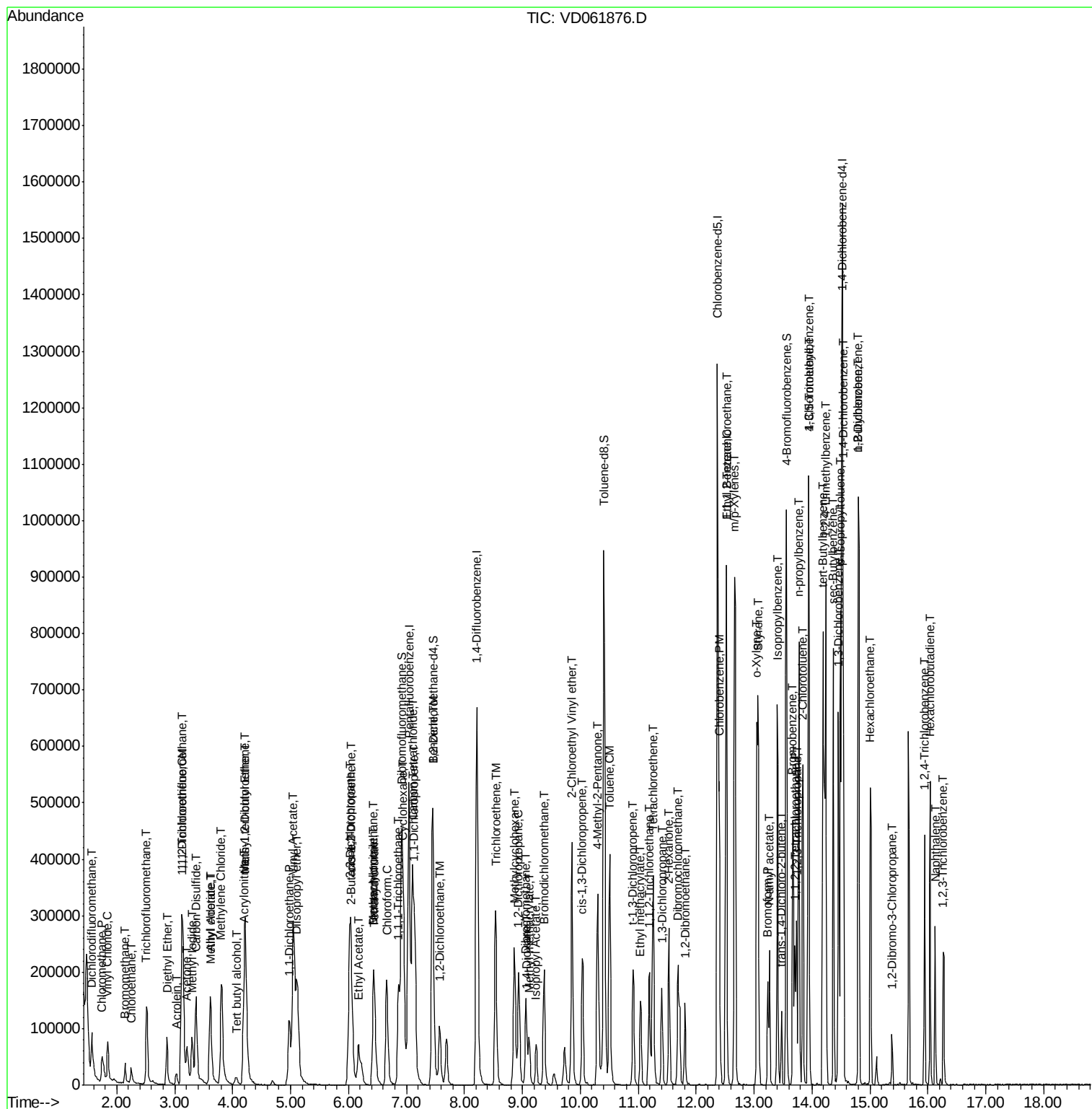
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	108809	20.602	ug/l	98
94) Hexachlorobutadiene	16.04	225	84276	22.019	ug/l	98
95) Naphthalene	16.13	128	192001	23.718	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	67377	22.386	ug/l	96

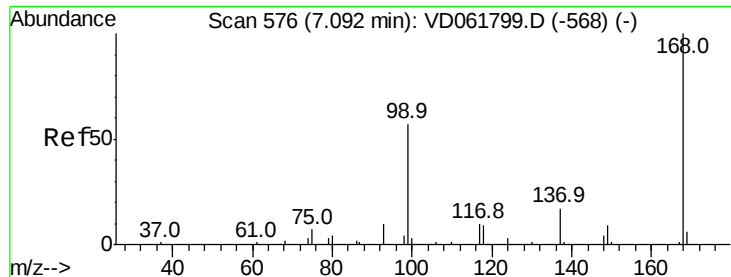
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Data File : VD061876.D  
Acq On    : 18 Apr 2019   16:07  
Operator  : VA/AP  
Sample    : VD0418SBSD01  
Misc      : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial  : 13      Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD01

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

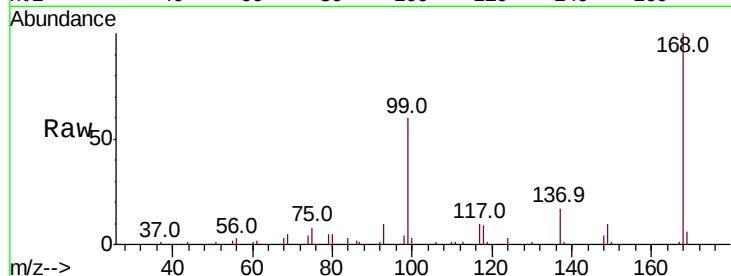
VD0418SBS01

Tot Ion:168 Resp: 541370

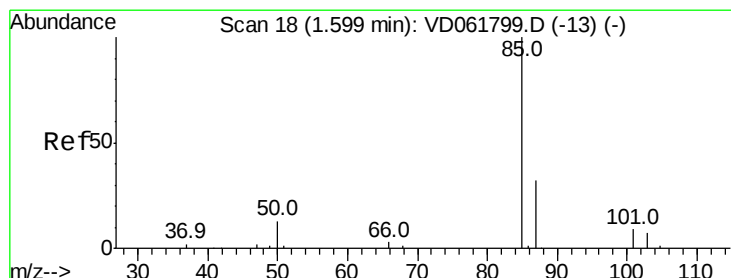
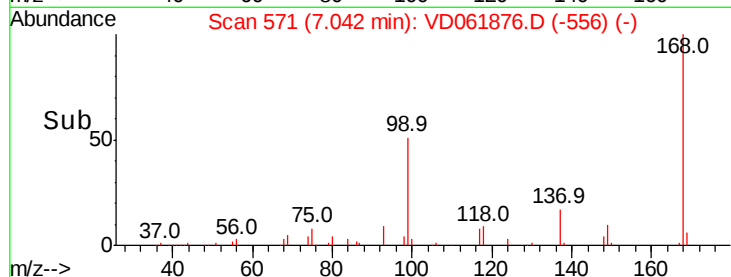
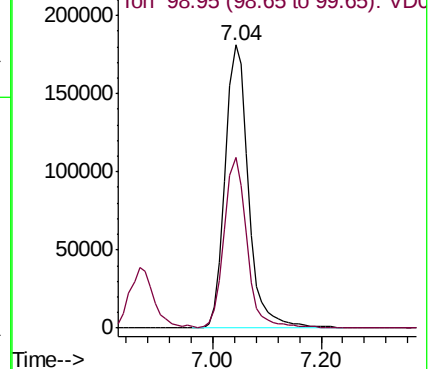
Ion Ratio Lower Upper

168 100

99 60.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 17.556 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.03 min

Lab File: VD061876.D

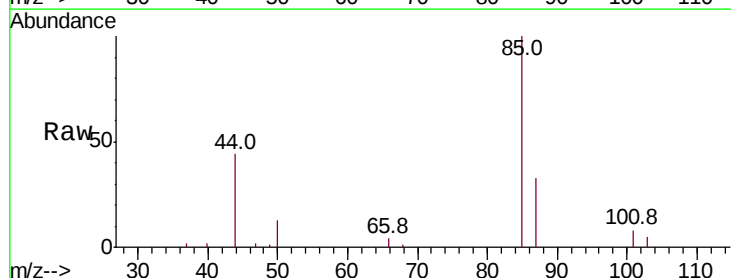
Acq: 18 Apr 2019 16:07

Tgt Ion: 85 Resp: 92765

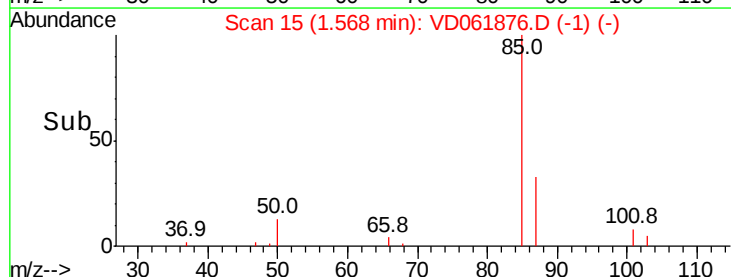
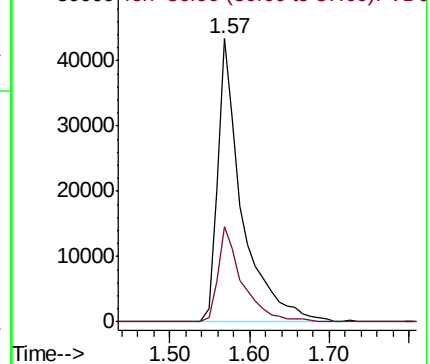
Ion Ratio Lower Upper

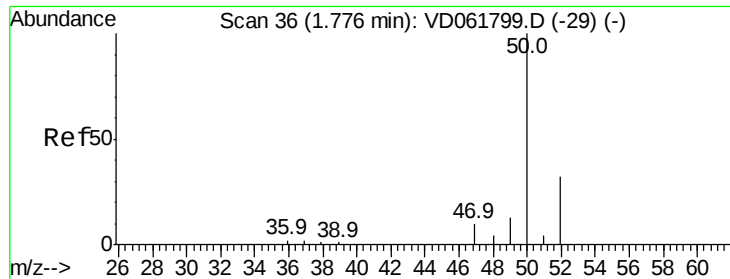
85 100

87 33.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC





#3

Chloromethane

Concen: 21.355 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.03 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

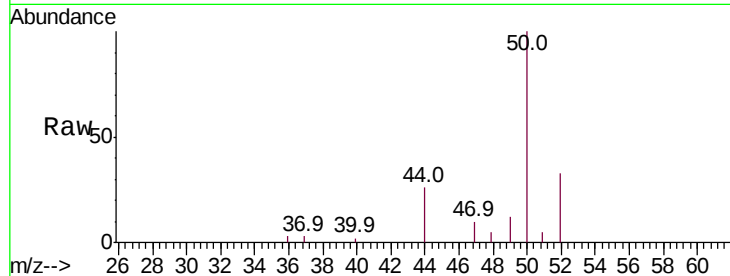
VD0418SBS01

Tot Ion: 50 Resp: 89928

Ion Ratio Lower Upper

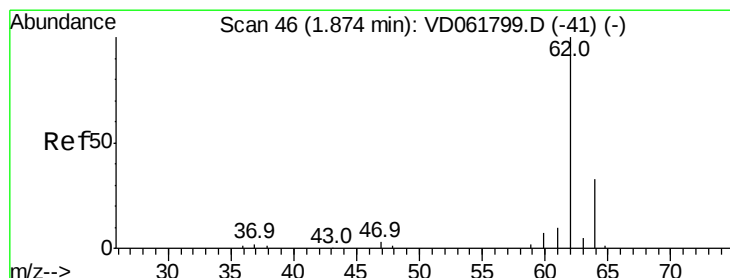
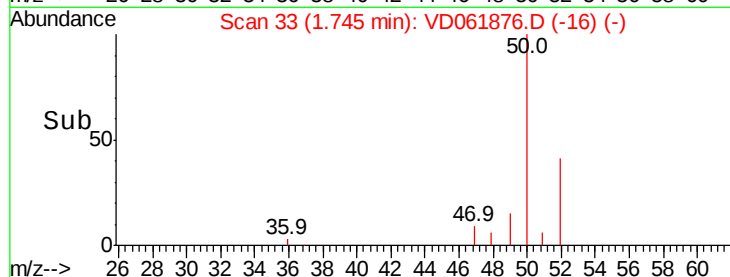
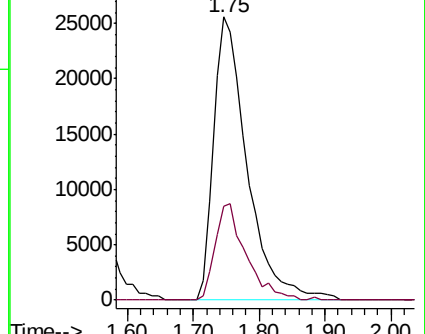
50 100

52 33.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.452 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.03 min

Lab File: VD061876.D

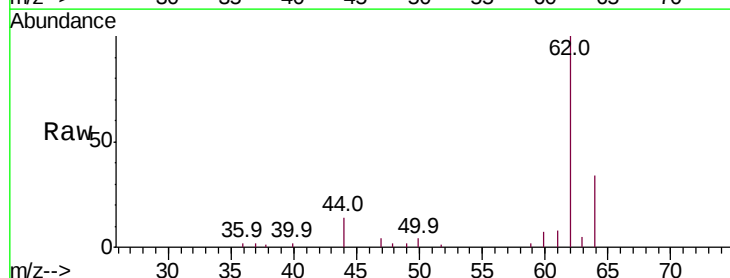
Acq: 18 Apr 2019 16:07

Tgt Ion: 62 Resp: 81295

Ion Ratio Lower Upper

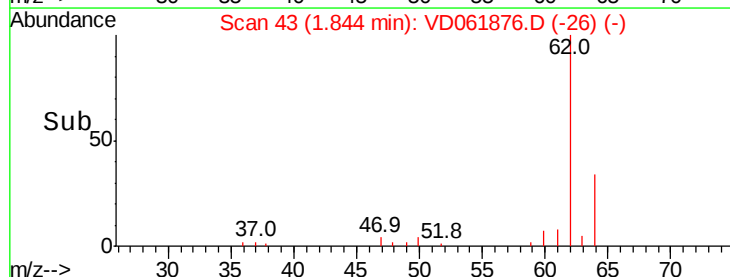
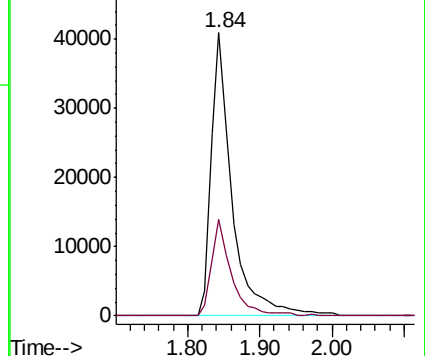
62 100

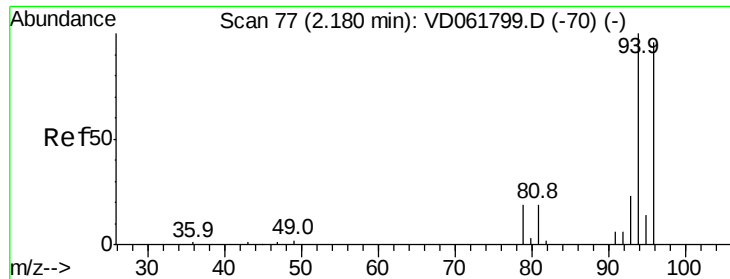
64 34.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.272 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

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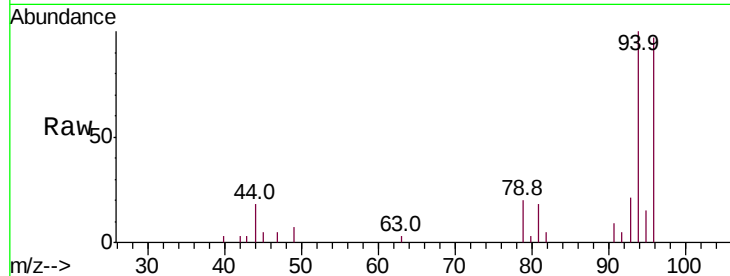
Tot Ion: 94 Resp: 19276

Ion Ratio Lower Upper

94 100

96 97.3 76.6 115.0

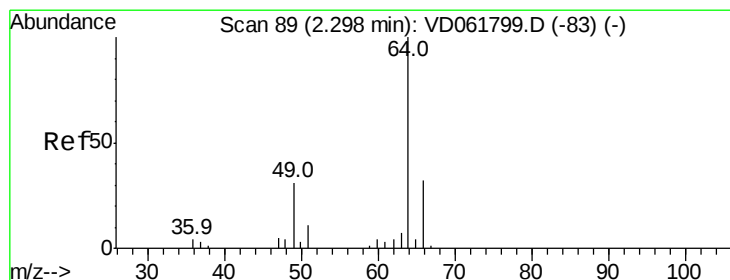
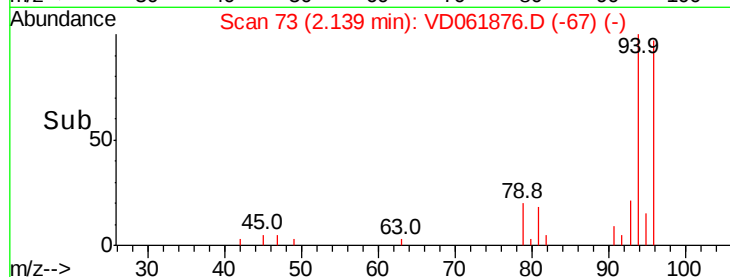
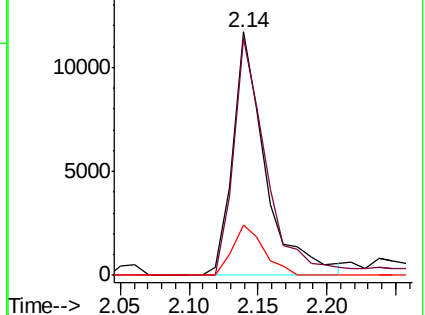
93 20.8 18.5 27.7



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: 17.647 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.05 min

Lab File: VD061876.D

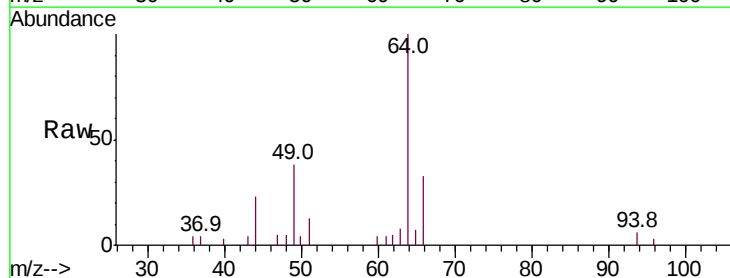
Acq: 18 Apr 2019 16:07

Tgt Ion: 64 Resp: 25160

Ion Ratio Lower Upper

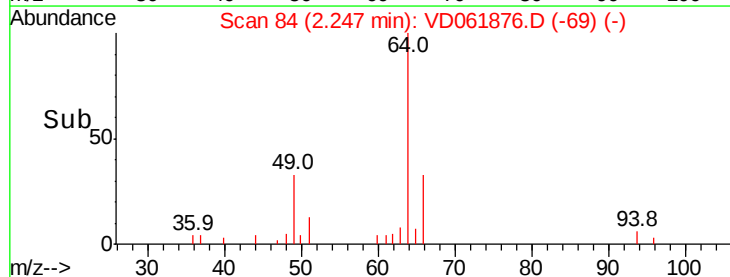
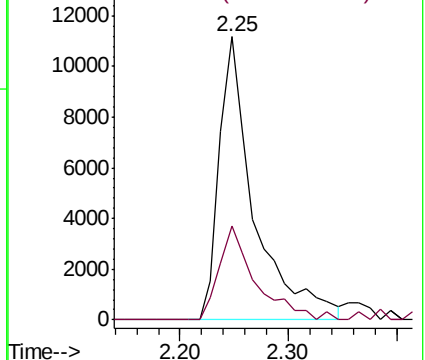
64 100

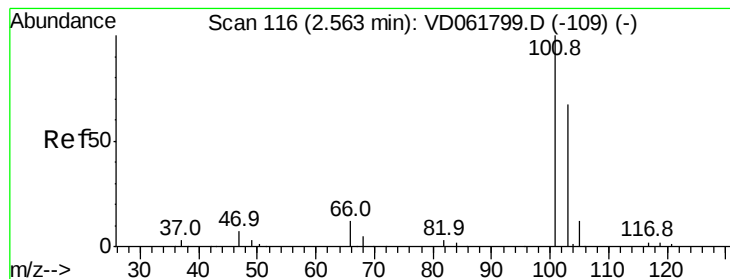
66 33.1 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



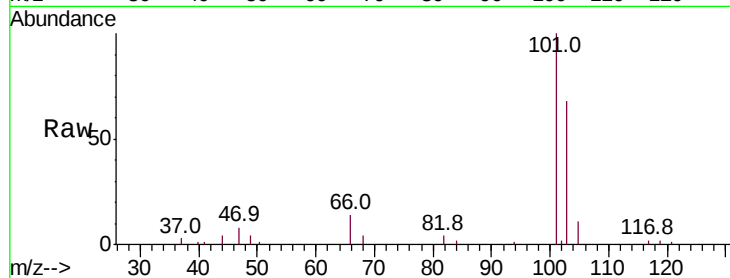


#7

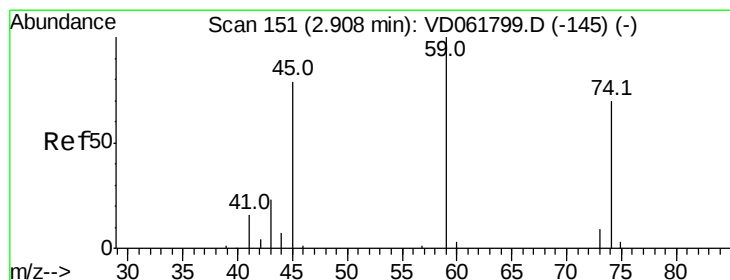
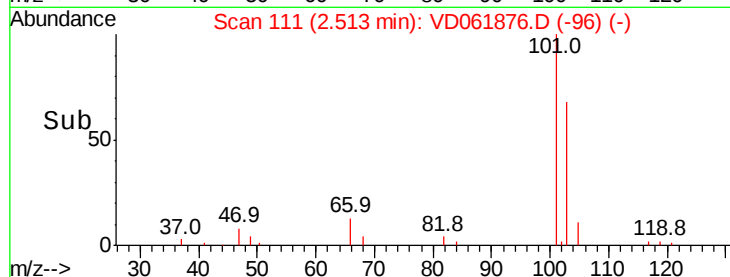
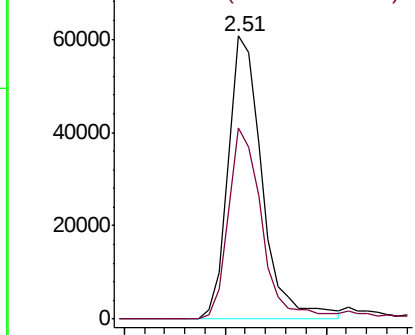
Trichlorofluoromethane
 Concen: 20.907 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.05 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD01

Tot Ion:101 Resp: 141713
 Ion Ratio Lower Upper
 101 100
 103 67.6 53.6 80.4



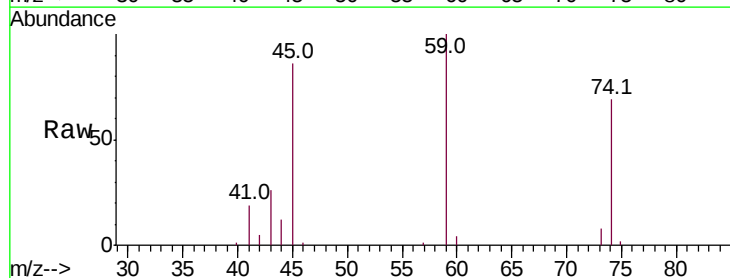
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



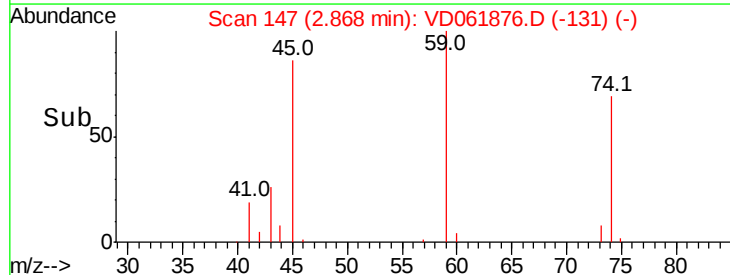
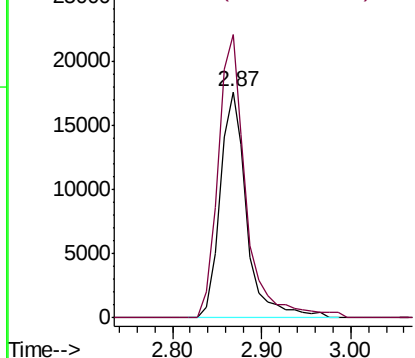
#8

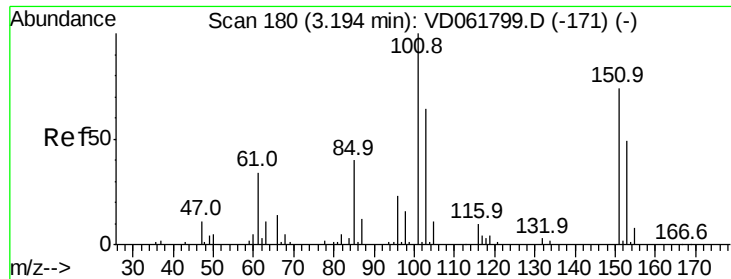
Diethyl Ether
 Concen: 20.800 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.04 min
 Lab File: VD061876.D
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Tgt Ion: 74 Resp: 36949
 Ion Ratio Lower Upper
 74 100
 45 125.4 56.9 170.7



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: 20.374 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.05 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

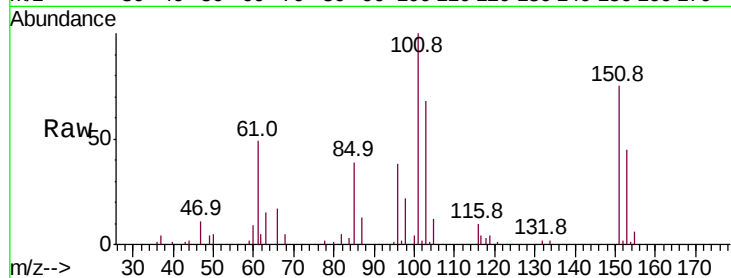
Tot Ion:101 Resp: 123137

Ion Ratio Lower Upper

101 100

85 38.5 32.4 48.6

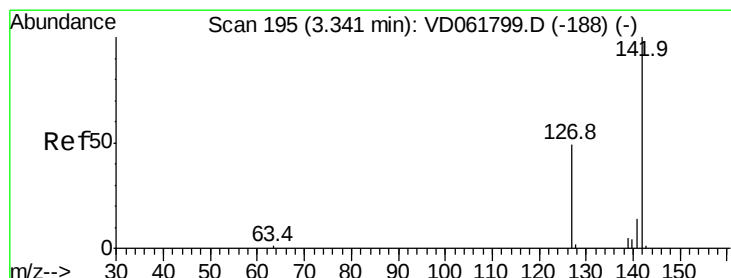
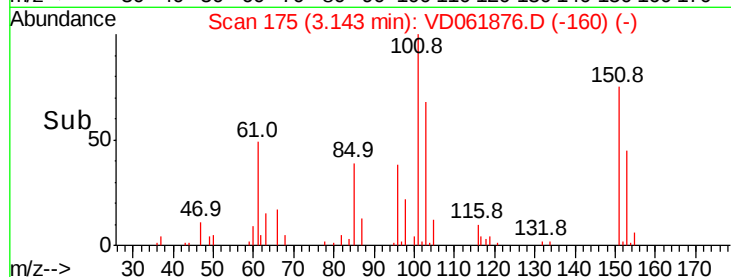
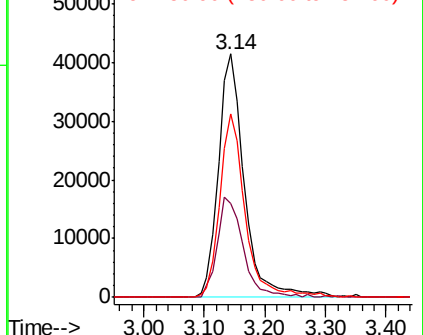
151 75.4 59.4 89.0



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: 17.201 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

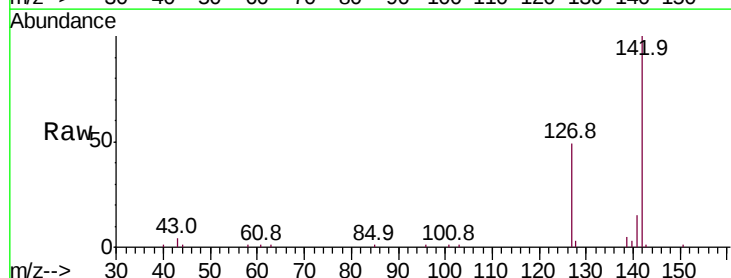
Tgt Ion:142 Resp: 142039

Ion Ratio Lower Upper

142 100

127 49.1 38.8 58.2

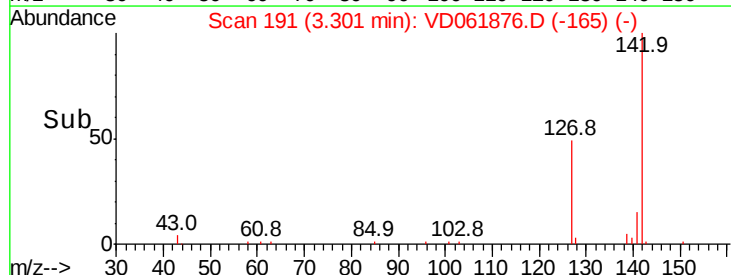
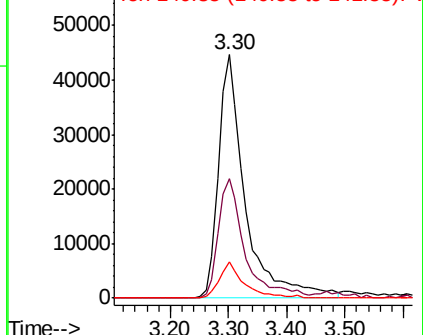
141 14.7 11.4 17.0

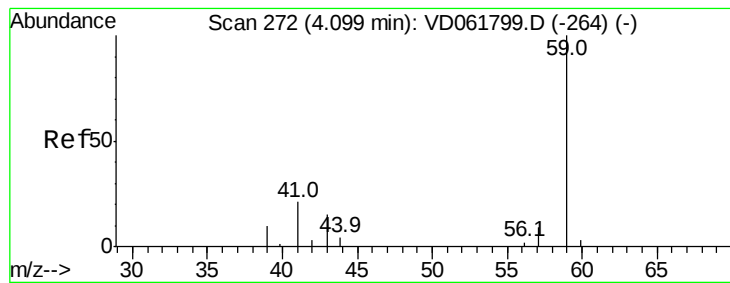


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



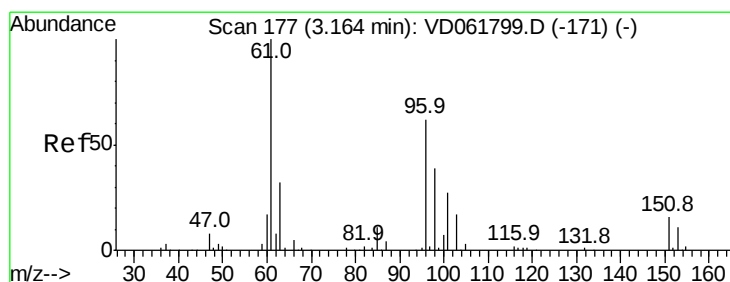
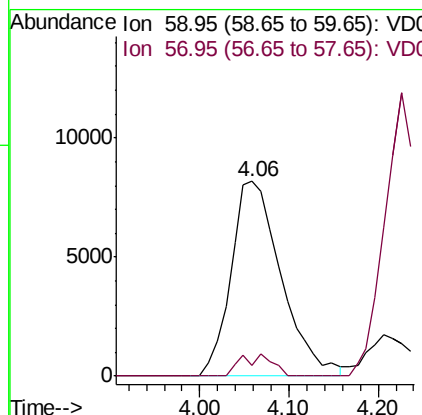
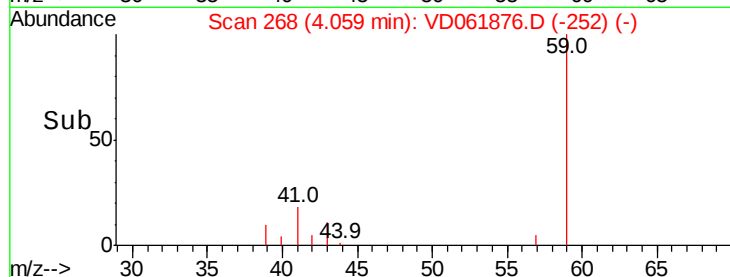
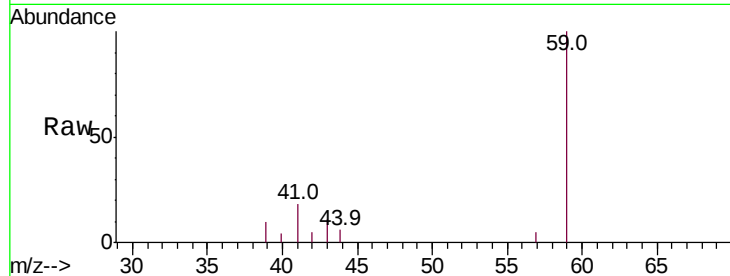


#11

Tert butyl alcohol
 Concen: 119.917 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.04 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD01

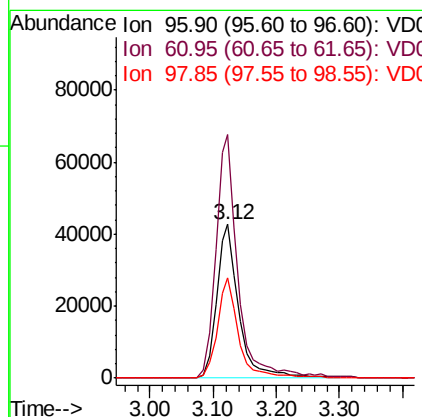
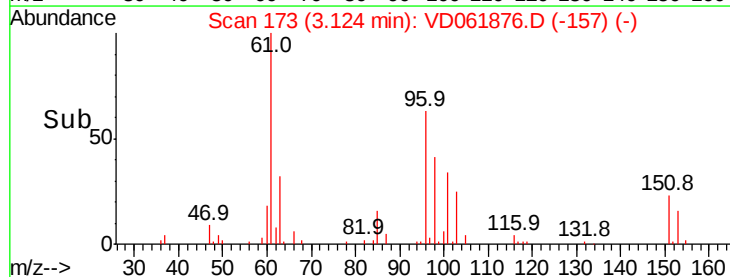
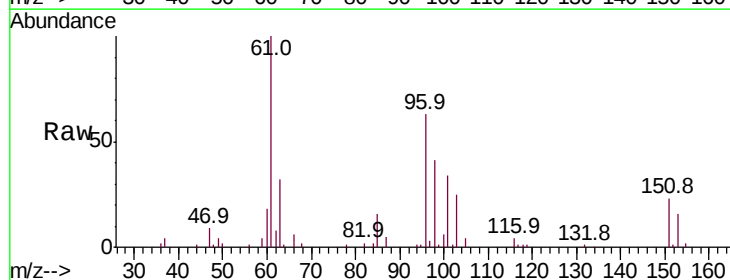
Tot Ion: 59 Resp: 32086
 Ion Ratio Lower Upper
 59 100
 57 5.5 6.9 10.3#

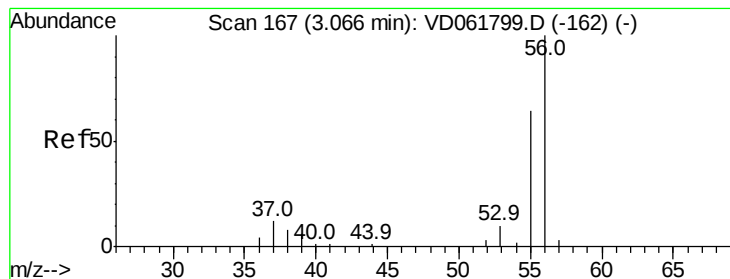


#12

1,1-Dichloroethene
 Concen: 20.778 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.04 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Tgt Ion: 96 Resp: 105572
 Ion Ratio Lower Upper
 96 100
 61 158.3 129.8 194.8
 98 65.0 51.2 76.8





#13

Acrolein

Concen: 87.449 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

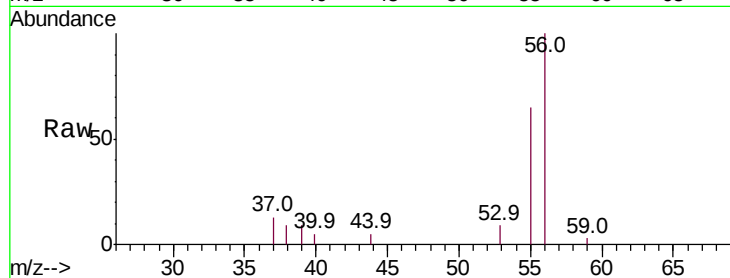
VD0418SBS01

Tot Ion: 56 Resp: 22652

Ion Ratio Lower Upper

56 100

55 64.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

10000

8000

6000

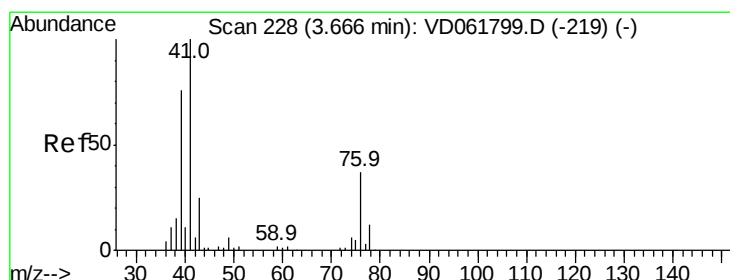
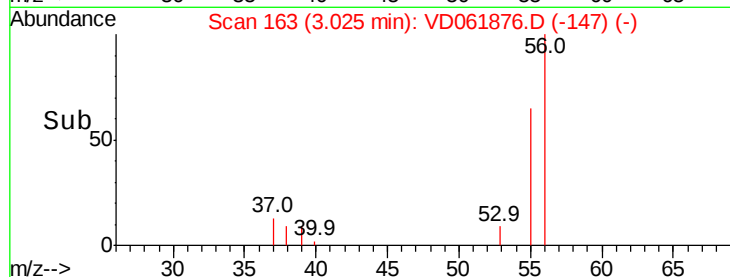
4000

2000

0

Time-->

3.00 3.10 3.20



#14

Allyl chloride

Concen: 20.305 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.06 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

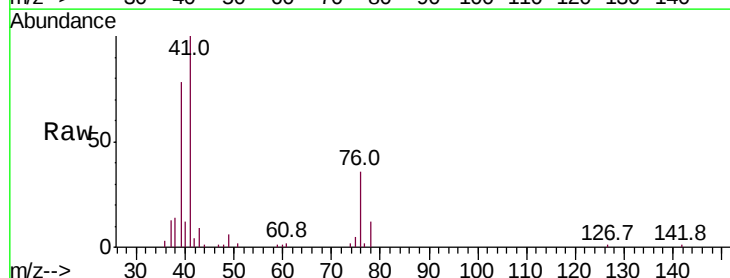
Tgt Ion: 41 Resp: 140625

Ion Ratio Lower Upper

41 100

39 77.6 60.5 90.7

76 35.8 31.8 47.8



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

3.61

60000

50000

40000

30000

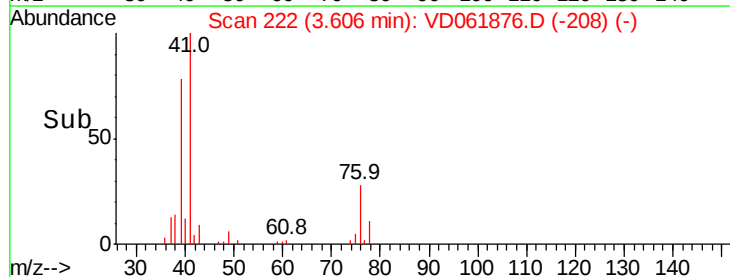
20000

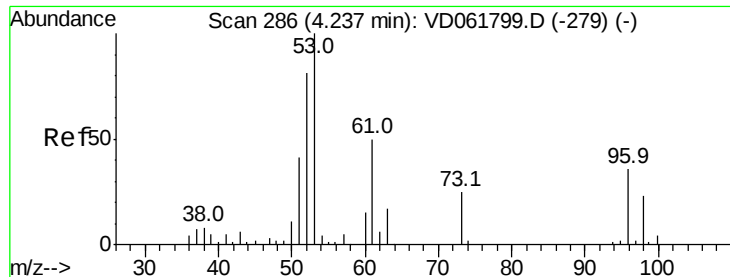
10000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 104.060 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.05 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

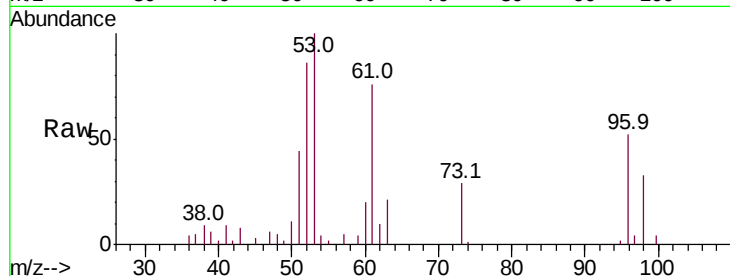
Tot Ion: 53 Resp: 87411

Ion Ratio Lower Upper

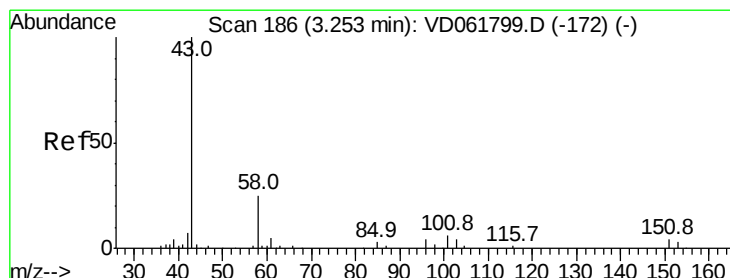
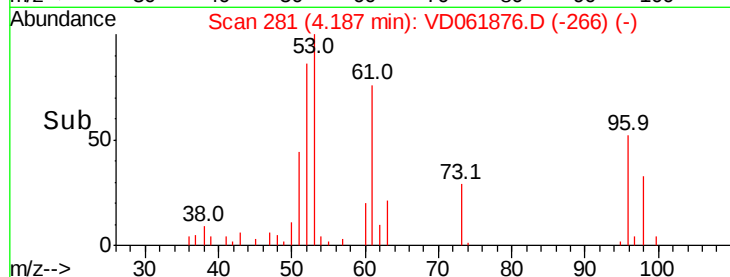
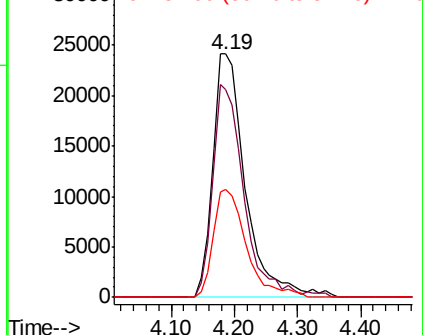
53 100

52 85.5 65.0 97.4

51 44.5 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.245 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.04 min

Lab File: VD061876.D

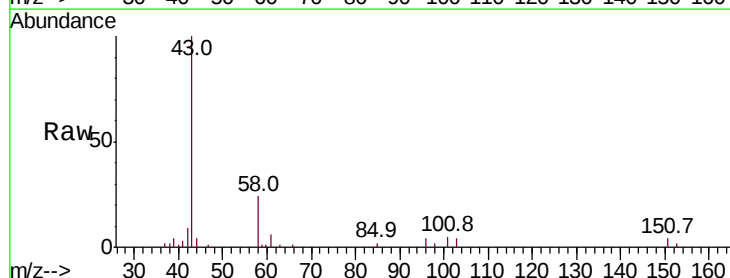
Acq: 18 Apr 2019 16:07

Tgt Ion: 43 Resp: 114335

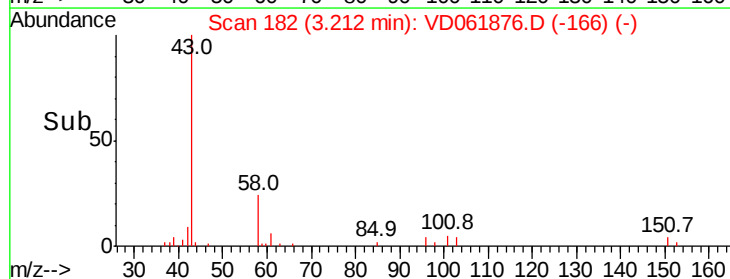
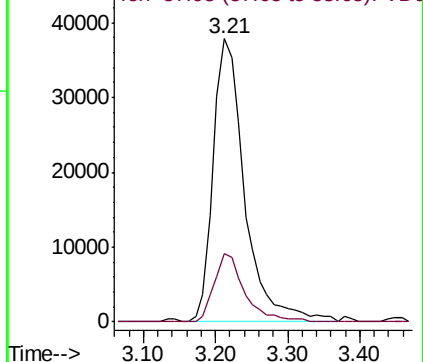
Ion Ratio Lower Upper

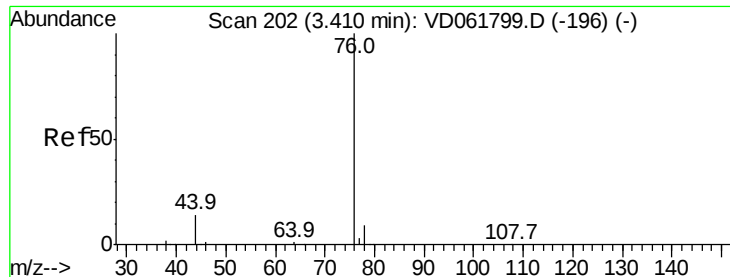
43 100

58 24.1 19.9 29.9



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

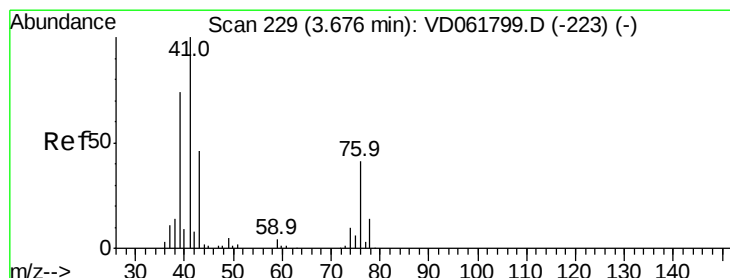
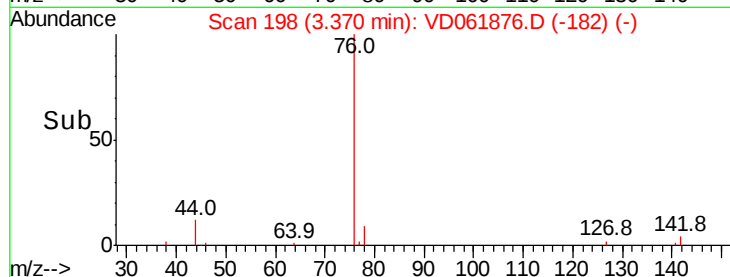
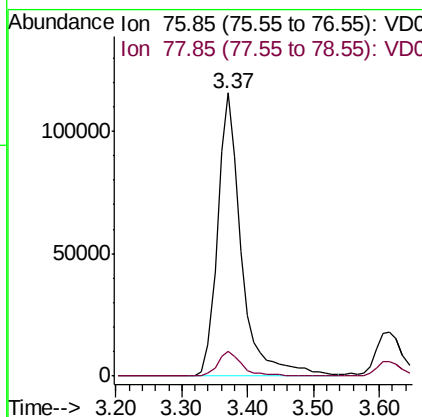
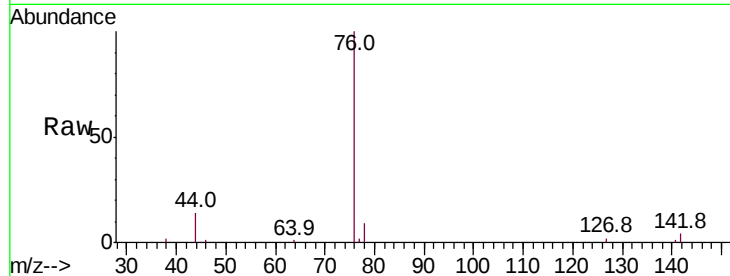




#17
Carbon Disulfide
Concen: 17.716 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.04 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

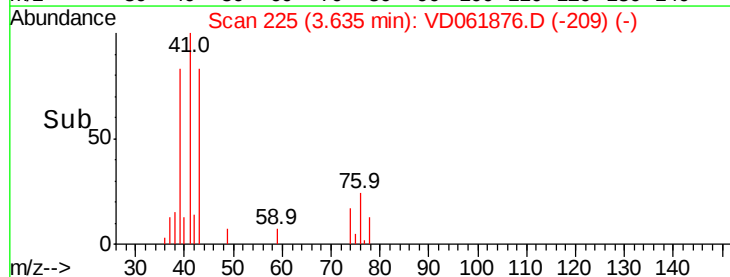
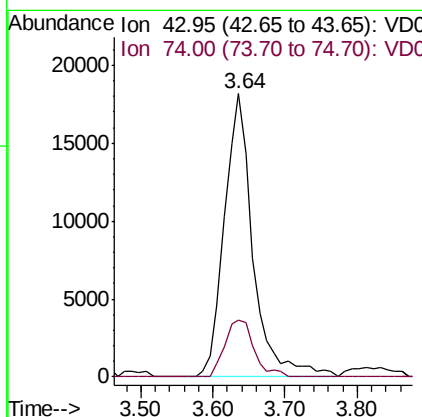
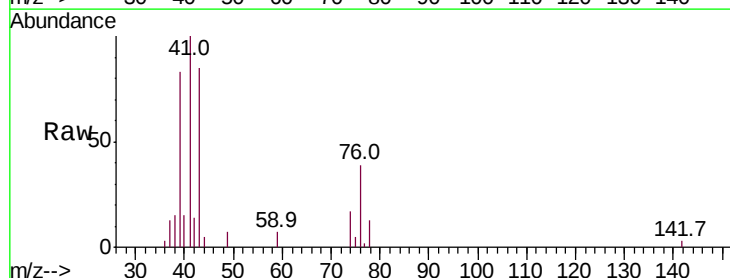
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD01

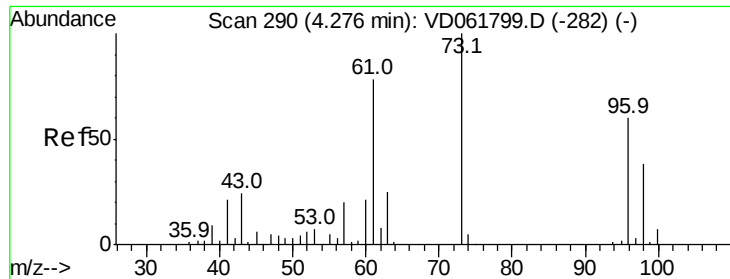
Tot Ion: 76 Resp: 290844
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 22.341 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.04 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion: 43 Resp: 50074
Ion Ratio Lower Upper
43 100
74 20.1 18.0 27.0

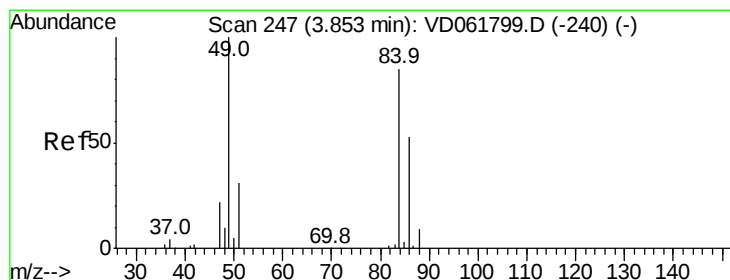
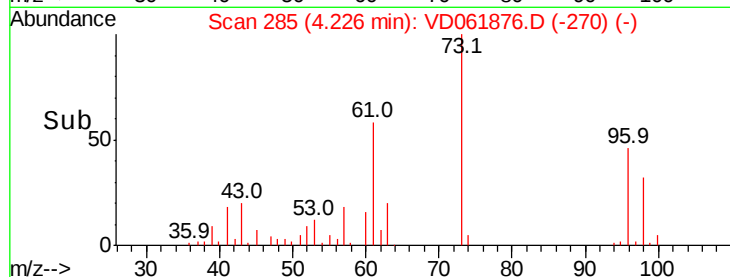
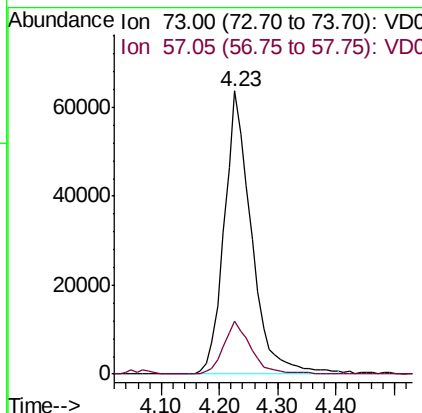
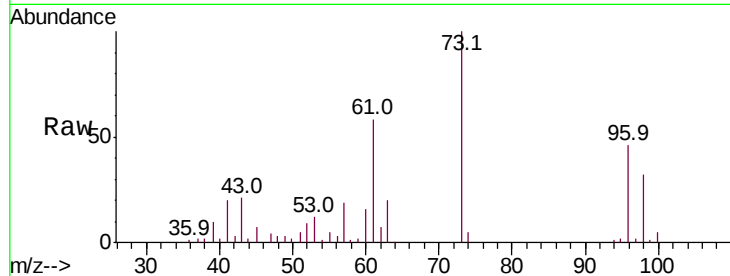




#19
Methyl tert-butyl Ether
Concen: 21.814 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.05 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

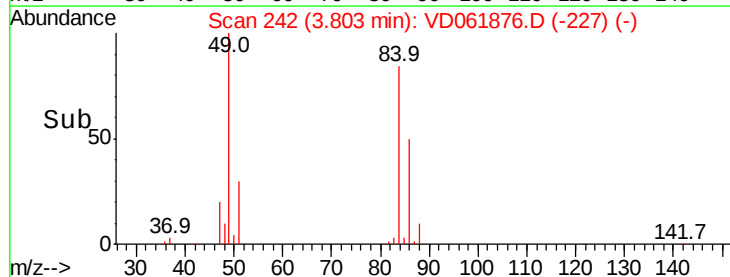
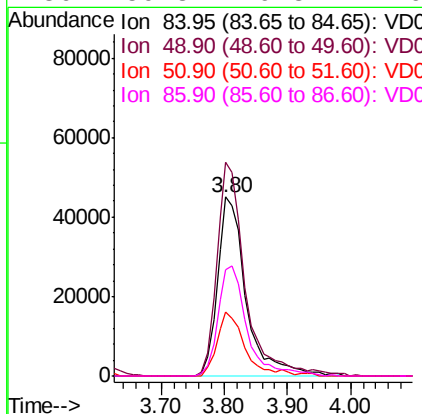
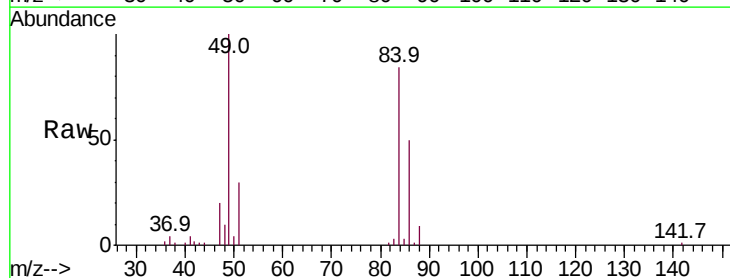
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS01

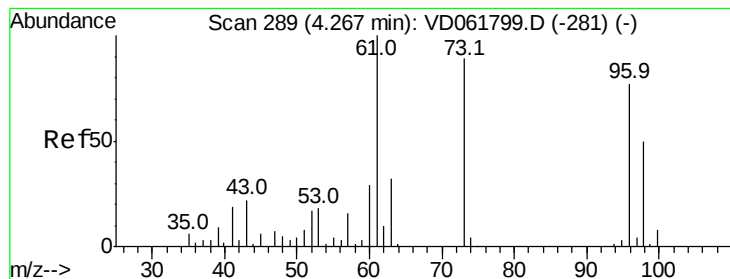
Tot Ion: 73 Resp: 206843
Ion Ratio Lower Upper
73 100
57 18.7 16.3 24.5



#20
Methylene Chloride
Concen: 23.229 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.05 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion: 84 Resp: 142769
Ion Ratio Lower Upper
84 100
49 119.5 94.0 141.0
51 35.6 29.0 43.4
86 59.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.774 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.06 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBSD01

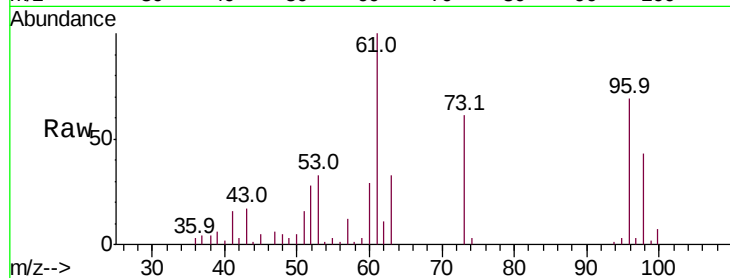
Tot Ion: 96 Resp: 110417

Ion Ratio Lower Upper

96 100

61 144.4 104.4 156.6

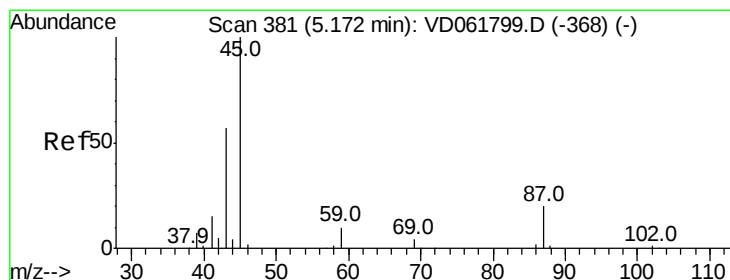
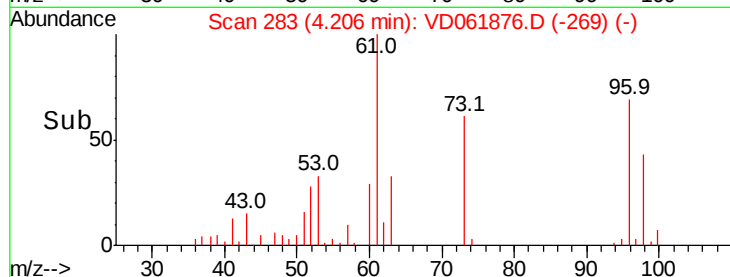
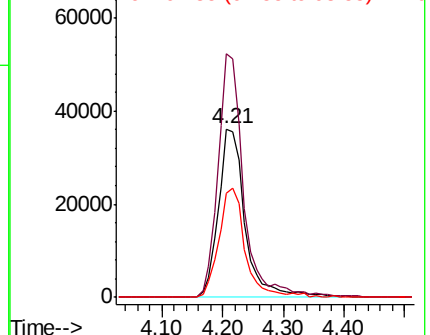
98 61.9 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.656 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.06 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Tgt Ion: 45 Resp: 320595

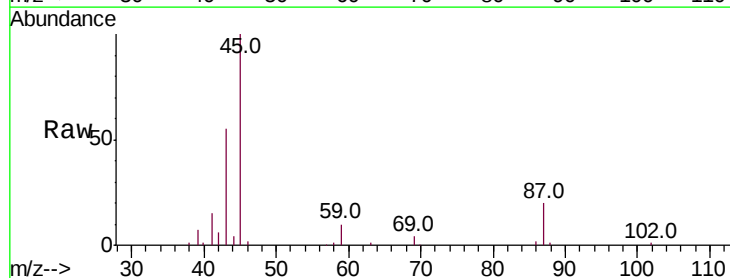
Ion Ratio Lower Upper

45 100

43 55.0 46.2 69.2

87 20.4 15.9 23.9

59 10.1 7.9 11.9

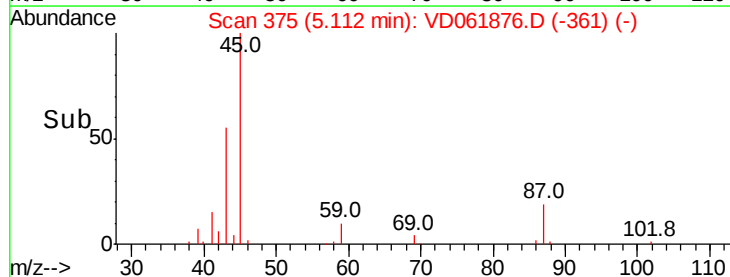
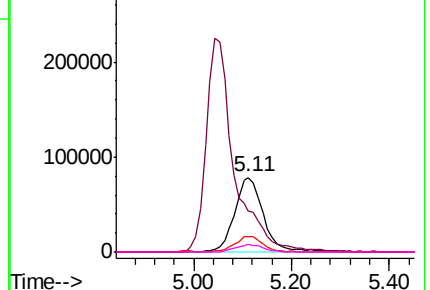


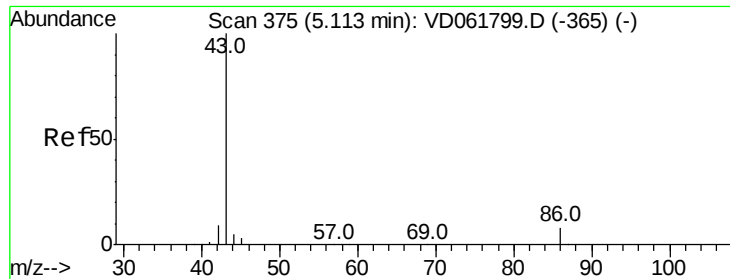
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 112.833 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.07 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

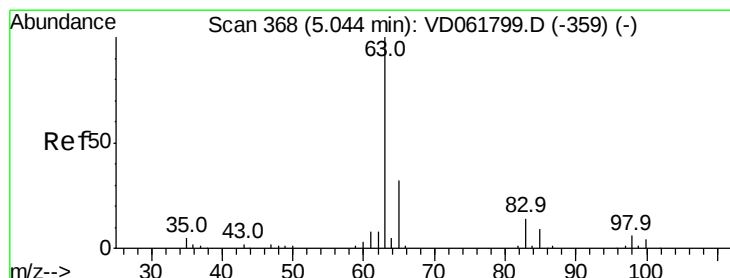
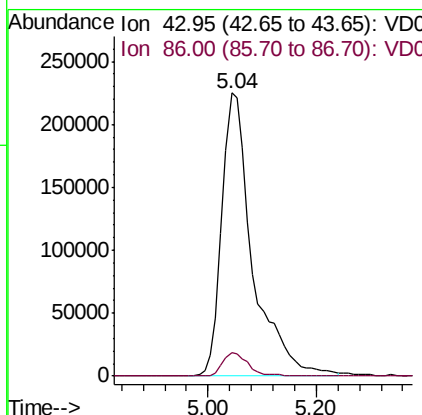
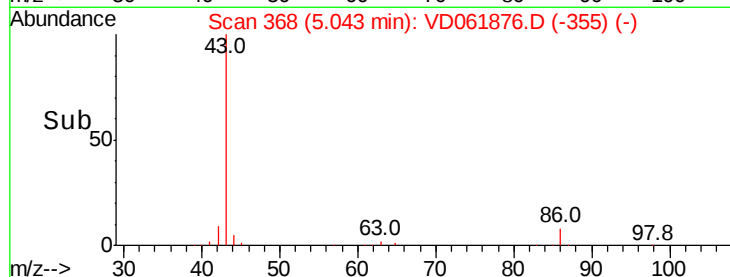
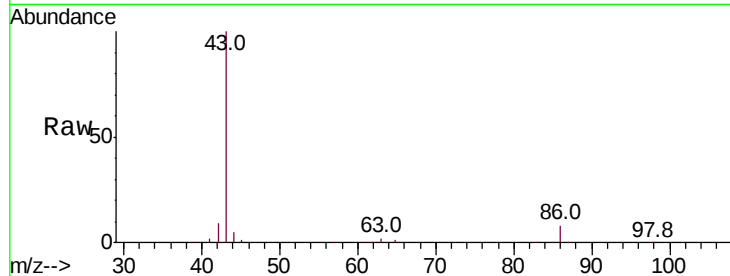
VD0418SBS01

Tot Ion: 43 Resp: 892918

Ion Ratio Lower Upper

43 100

86 8.4 6.4 9.6



#24

1,1-Dichloroethane

Concen: 21.494 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.07 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

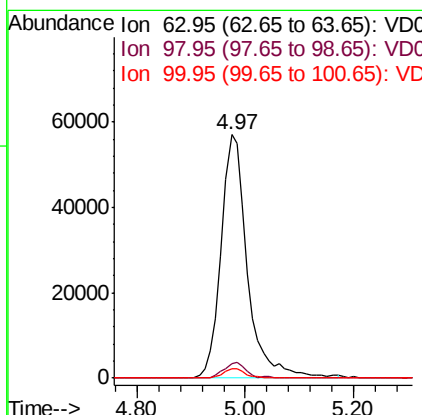
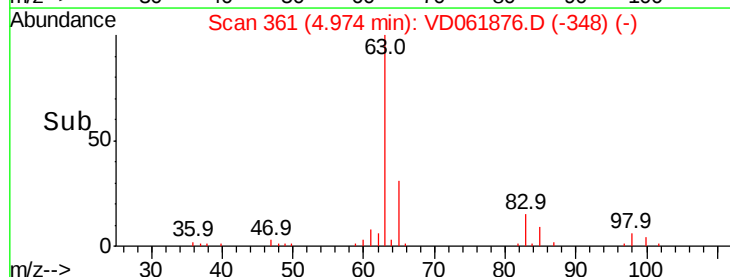
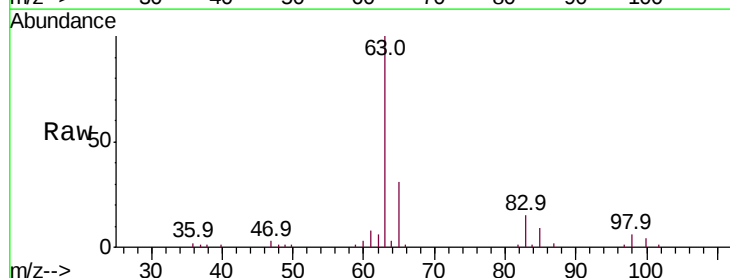
Tgt Ion: 63 Resp: 192923

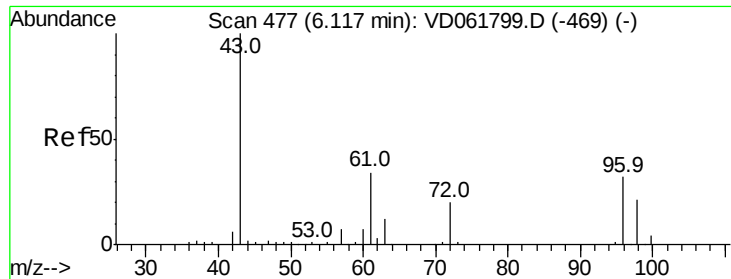
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.6 1.8 5.5





#25

2-Butanone

Concen: 111.143 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.06 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

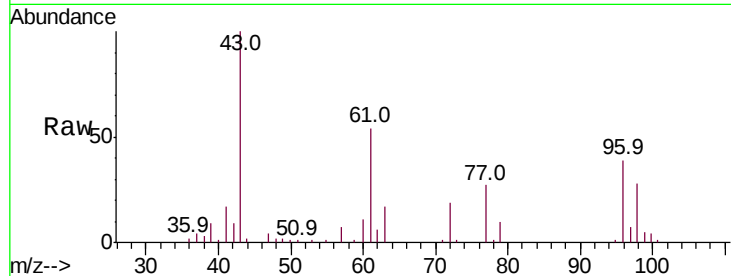
VD0418SBS01

Tot Ion: 43 Resp: 141495

Ion Ratio Lower Upper

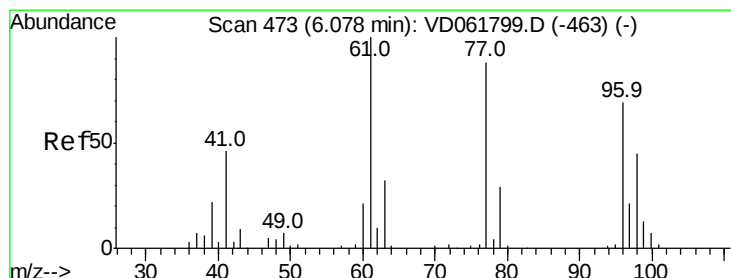
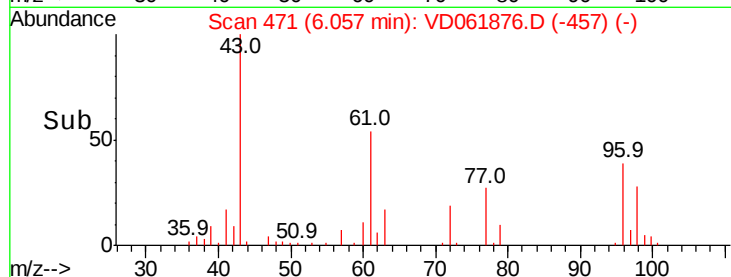
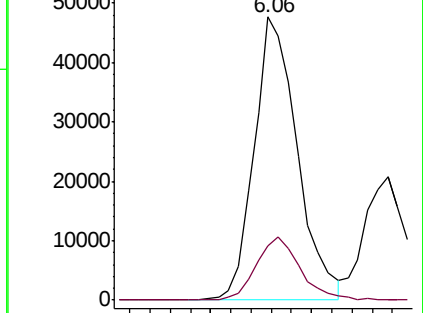
43 100

72 19.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.511 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.06 min

Lab File: VD061876.D

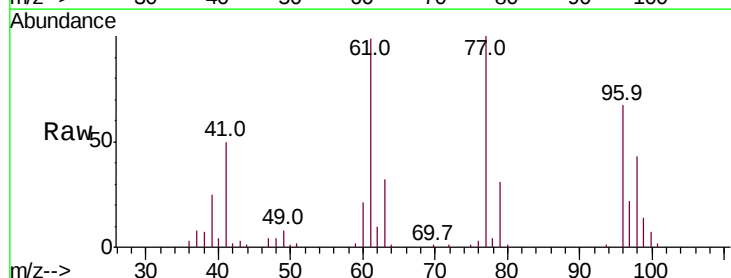
Acq: 18 Apr 2019 16:07

Tgt Ion: 77 Resp: 166881

Ion Ratio Lower Upper

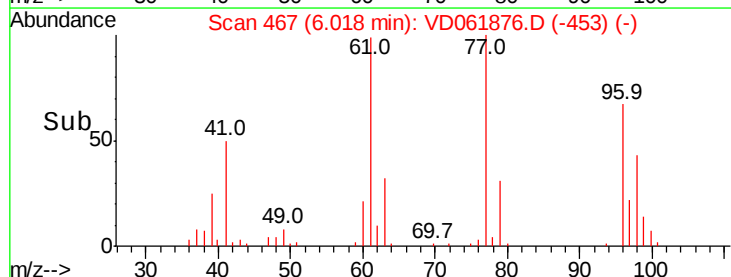
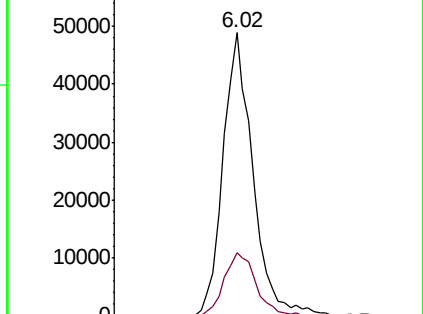
77 100

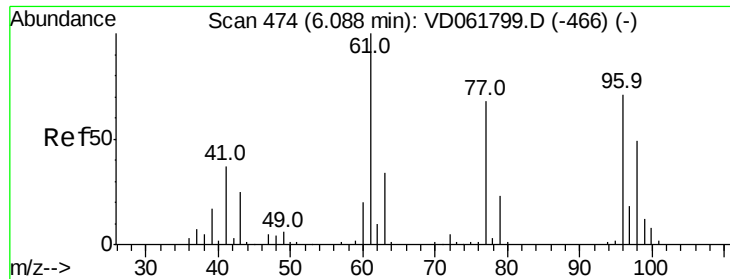
97 22.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



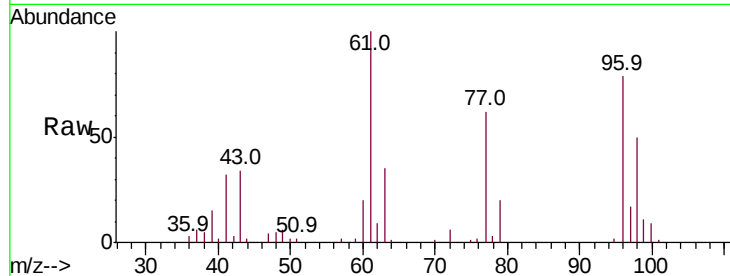


#27

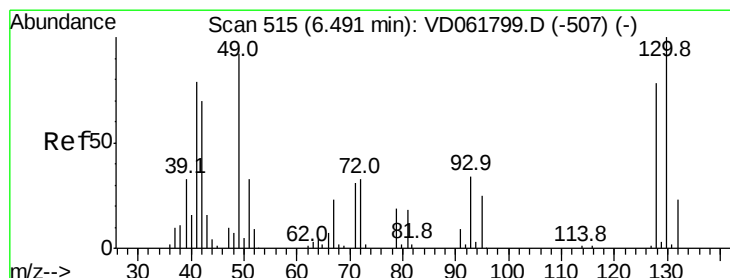
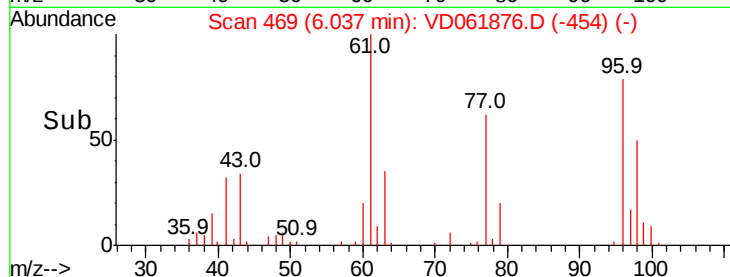
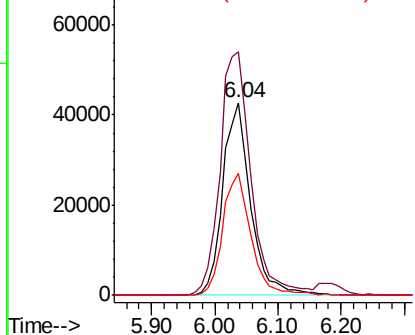
cis-1,2-Dichloroethene
 Concen: 21.633 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.05 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.5	0.0	279.8
98	63.3	0.0	136.0



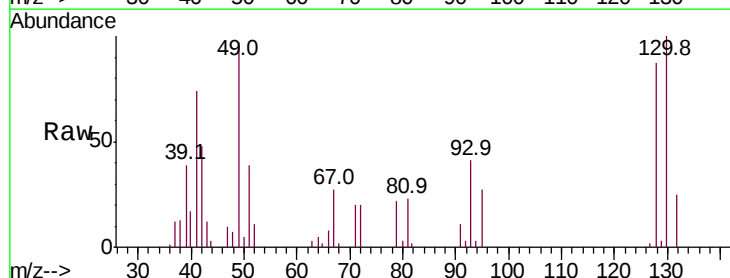
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



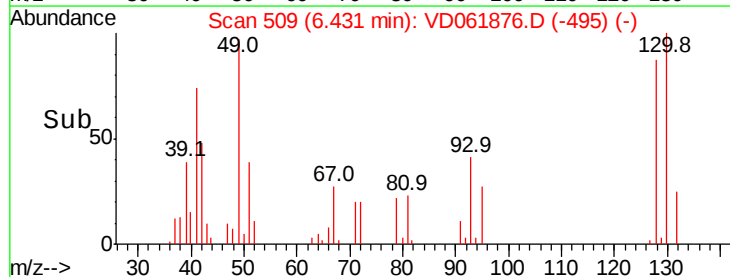
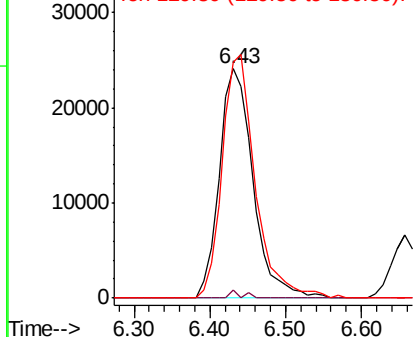
#28

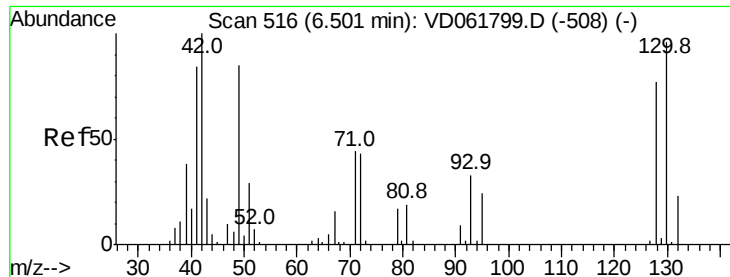
Bromochloromethane
 Concen: 21.860 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.06 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	6.6
130	103.2	86.7	130.1



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





#29

Tetrahydrofuran

Concen: 105.945 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.05 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

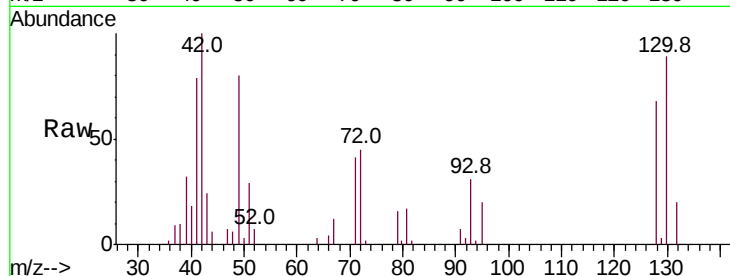
Tot Ion: 42 Resp: 65701

Ion Ratio Lower Upper

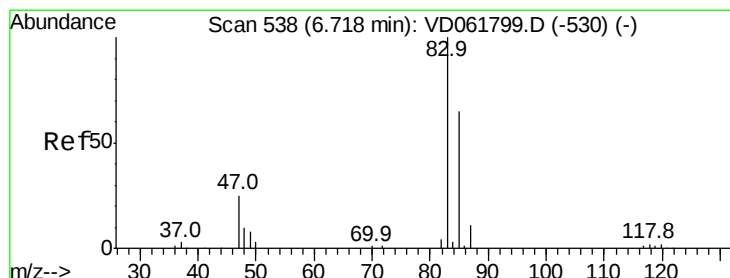
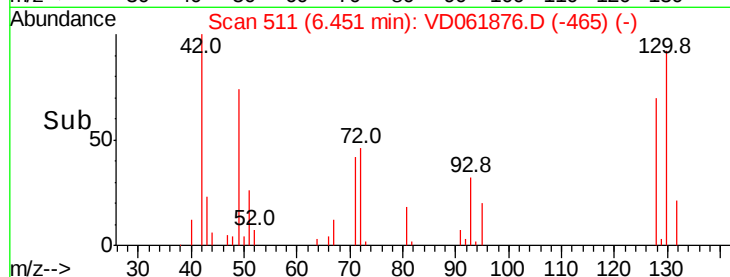
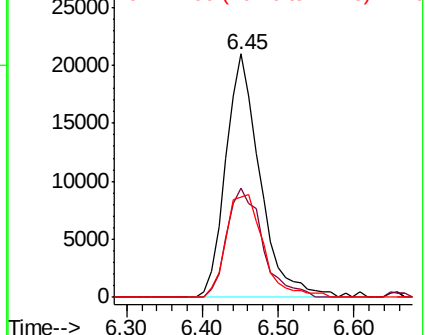
42 100

72 46.6 37.8 56.6

71 46.0 36.7 55.1



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



#30

Chloroform

Concen: 21.600 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.06 min

Lab File: VD061876.D

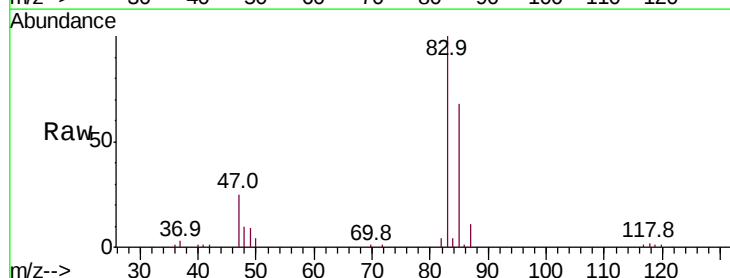
Acq: 18 Apr 2019 16:07

Tgt Ion: 83 Resp: 216243

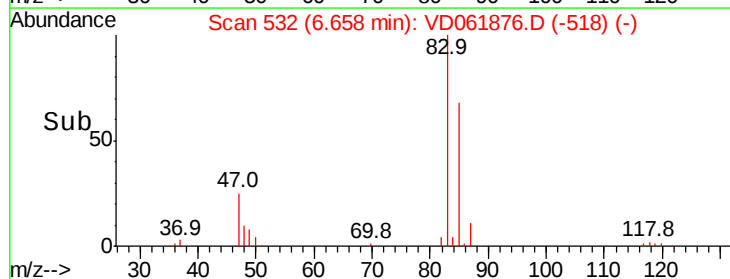
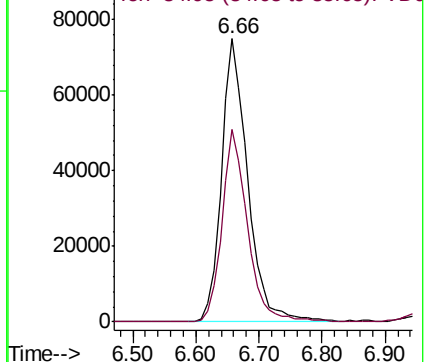
Ion Ratio Lower Upper

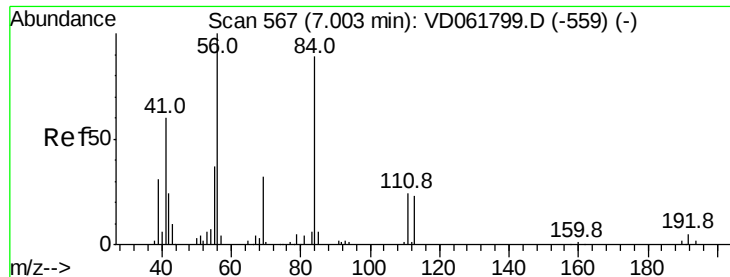
83 100

85 68.2 51.7 77.5



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

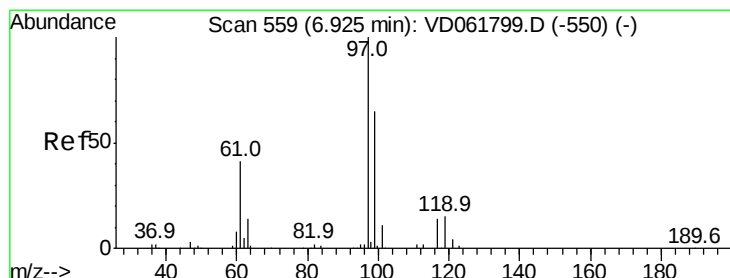
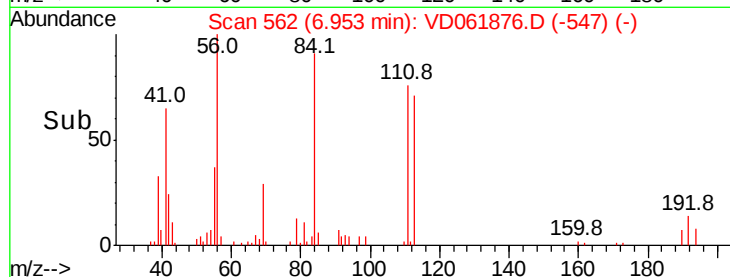
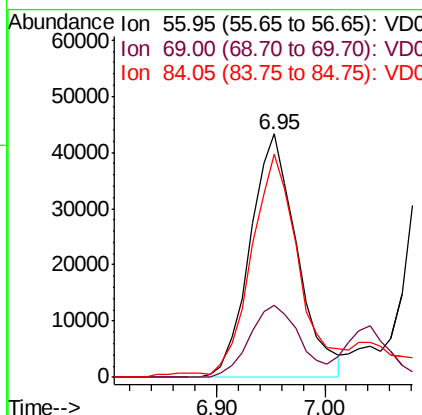
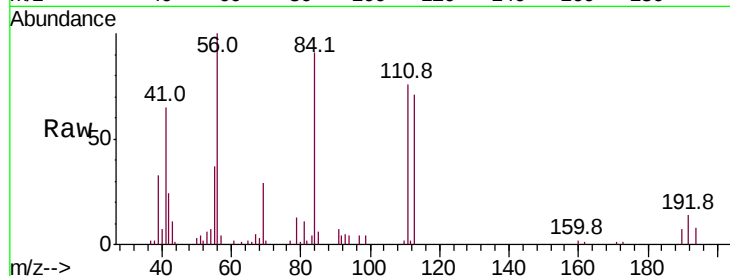




#31
Cyclohexane
Concen: 18.940 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.05 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

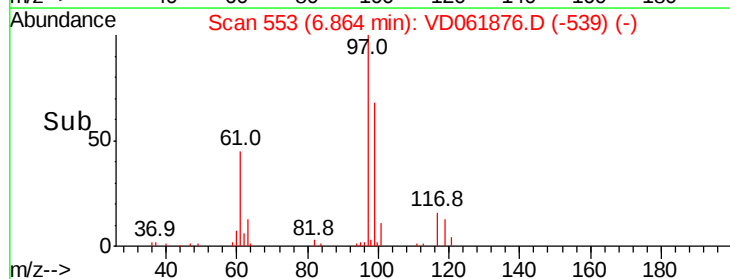
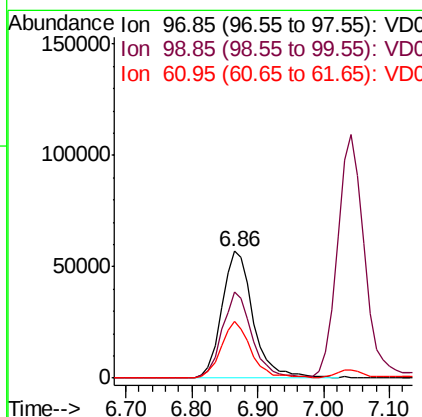
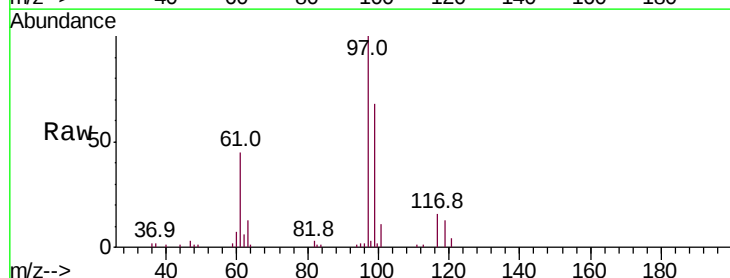
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD01

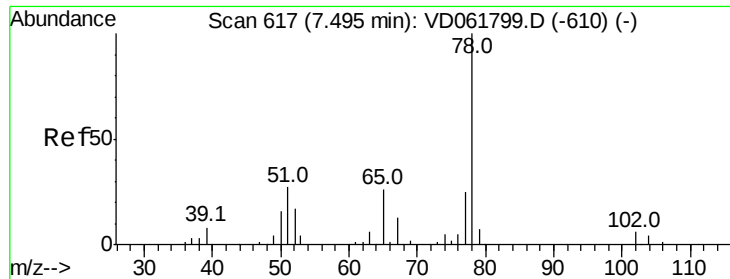
Tot Ion: 56 Resp: 130137
Ion Ratio Lower Upper
56 100
69 29.4 25.8 38.6
84 91.5 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 21.264 ug/l
RT: 6.86 min Scan# 553
Delta R.T. -0.06 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion: 97 Resp: 188705
Ion Ratio Lower Upper
97 100
99 67.9 52.2 78.2
61 44.8 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 21.264 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

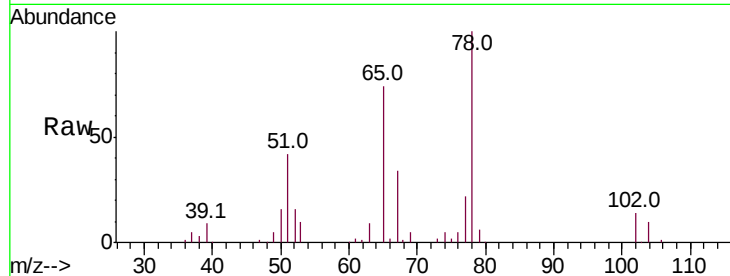
VD0418SBS01

Tot Ion: 65 Resp: 248838

Ion Ratio Lower Upper

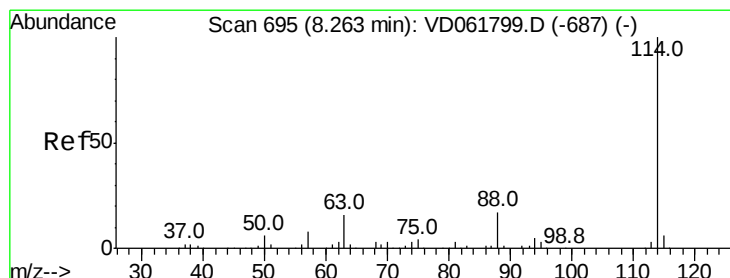
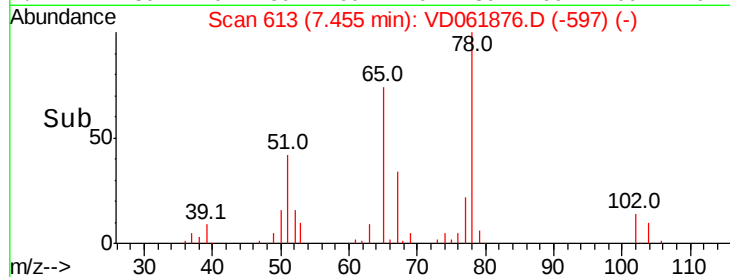
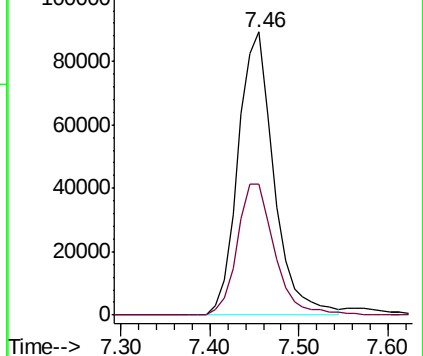
65 100

67 46.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

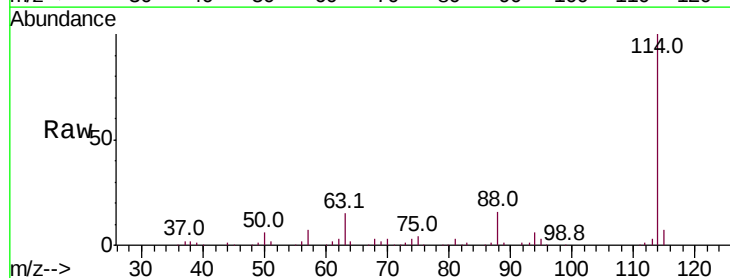
Tgt Ion: 114 Resp: 842448

Ion Ratio Lower Upper

114 100

63 15.2 0.0 32.4

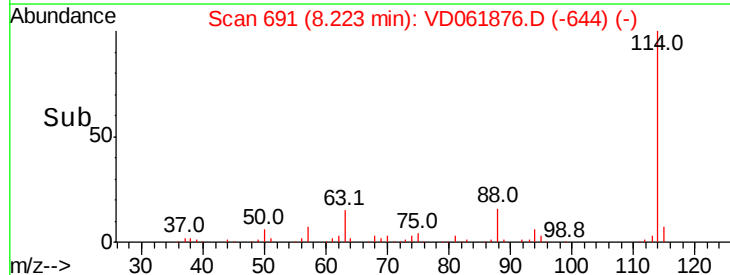
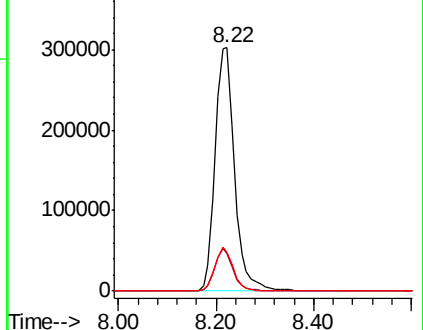
88 15.8 0.0 33.6

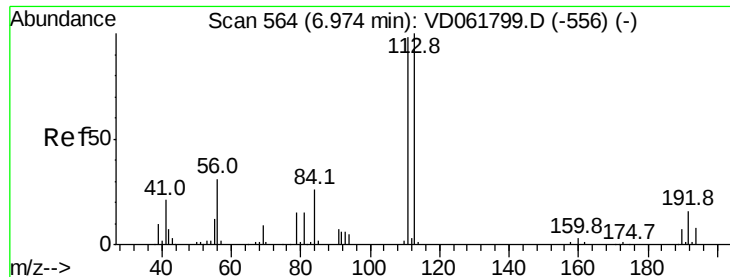


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. -0.05 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBSD01

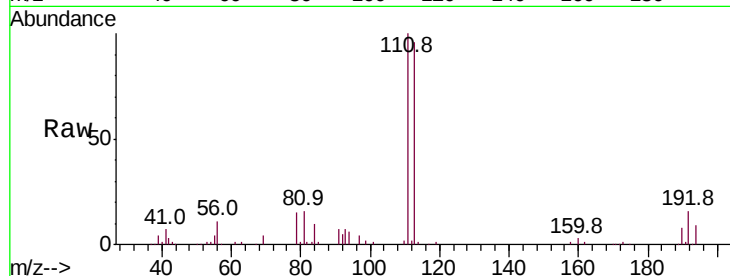
Tot Ion:113 Resp: 366770

Ion Ratio Lower Upper

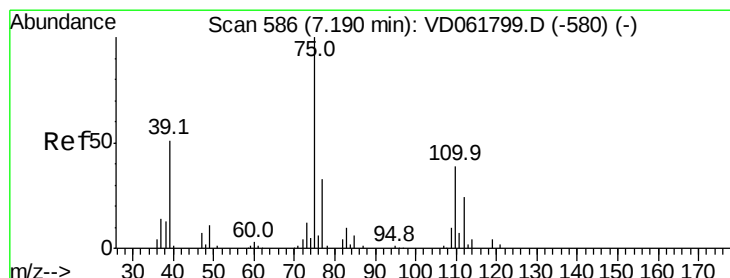
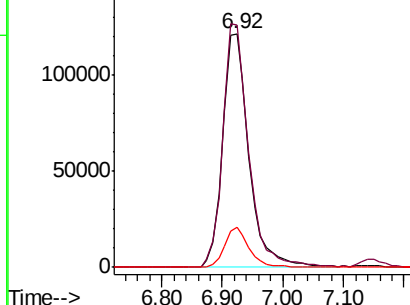
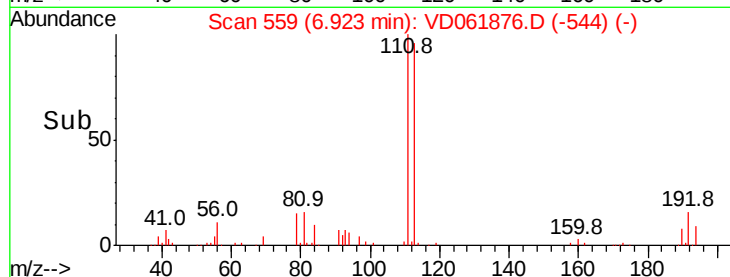
113 100

111 103.7 78.5 117.7

192 17.0 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 22.699 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.05 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

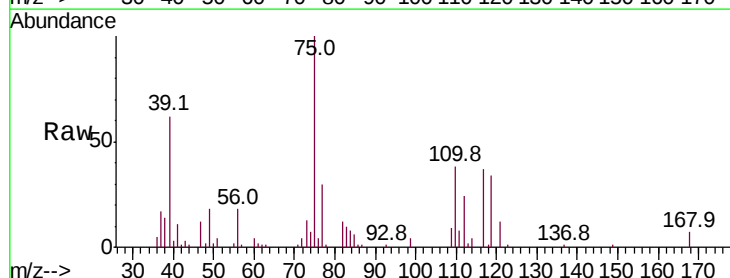
Tgt Ion: 75 Resp: 156266

Ion Ratio Lower Upper

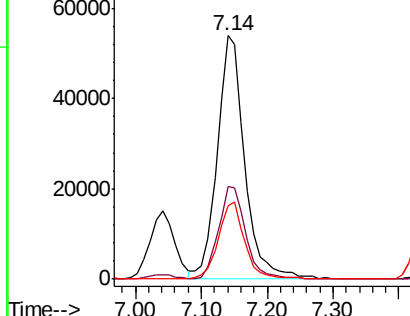
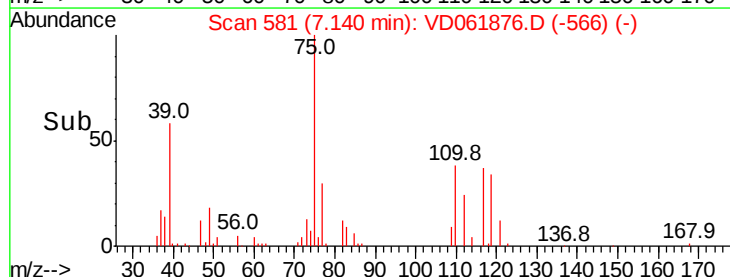
75 100

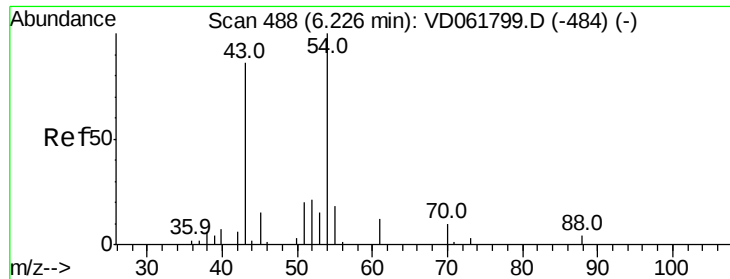
110 37.8 19.1 57.1

77 30.2 25.6 38.4



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





#37

Ethyl Acetate

Concen: 23.221 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.05 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

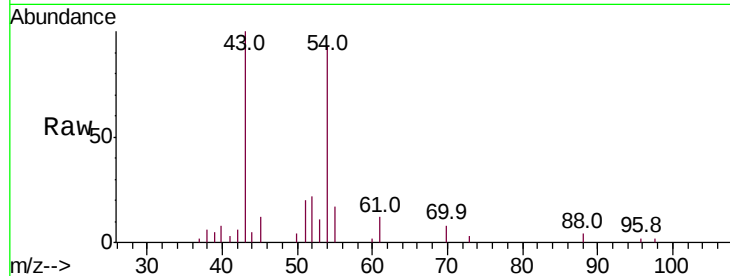
Tot Ion: 43 Resp: 68417

Ion Ratio Lower Upper

43 100

61 12.2 14.7 22.1#

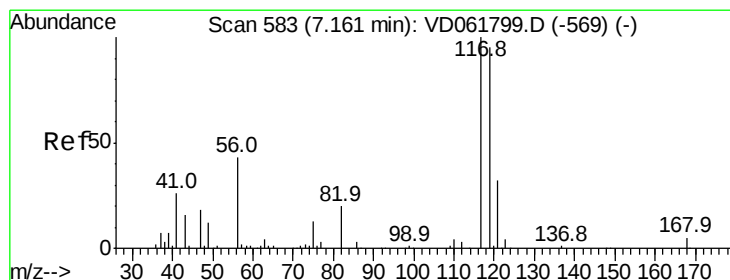
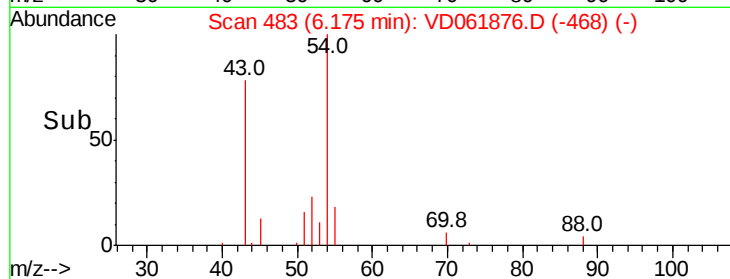
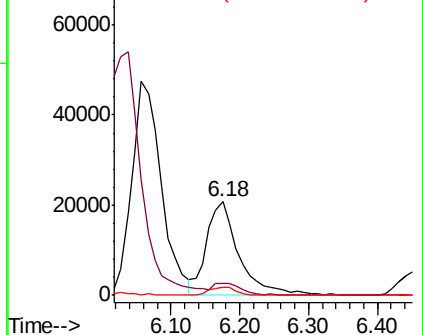
70 8.1 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VD061876.D (-468) (-)

Ion 60.95 (60.65 to 61.65): VD061876.D (-468) (-)

Ion 70.00 (69.70 to 70.70): VD061876.D (-468) (-)



#38

Carbon Tetrachloride

Concen: 22.403 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.05 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

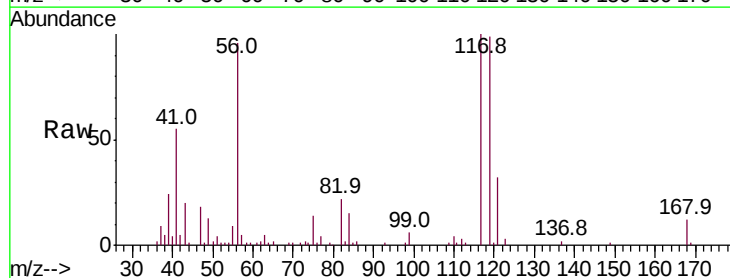
Tgt Ion: 117 Resp: 194746

Ion Ratio Lower Upper

117 100

119 98.8 75.8 113.8

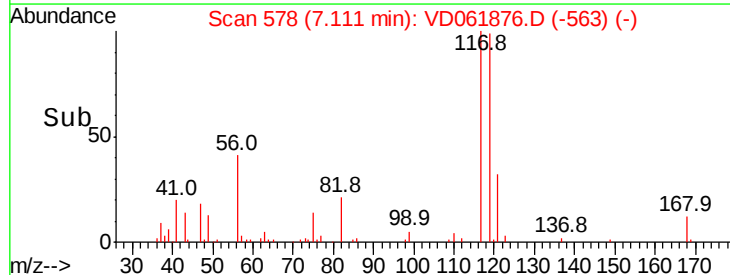
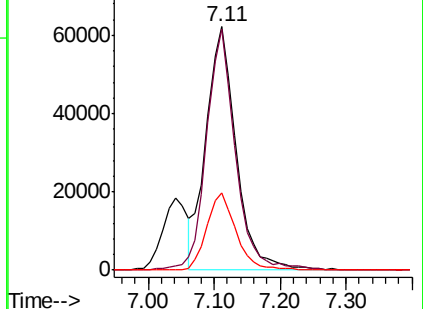
121 31.6 25.9 38.9

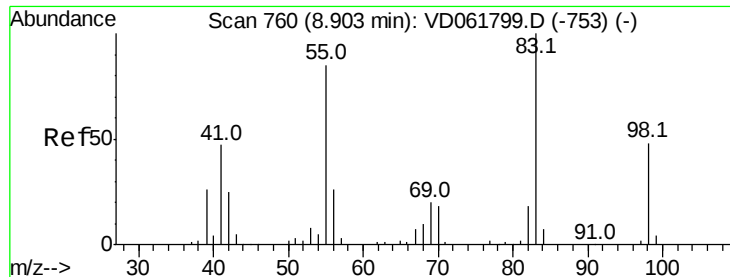


Abundance Ion 116.85 (116.55 to 117.55): VD061876.D (-563) (-)

Ion 118.85 (118.55 to 119.55): VD061876.D (-563) (-)

Ion 120.85 (120.55 to 121.55): VD061876.D (-563) (-)

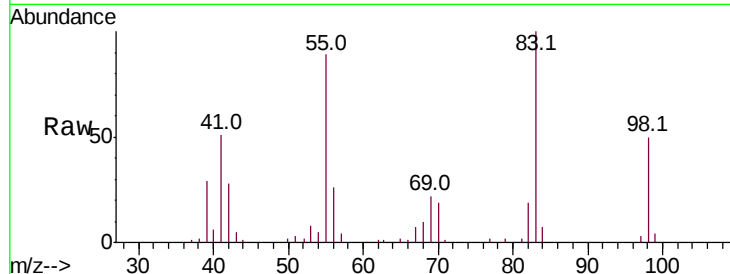




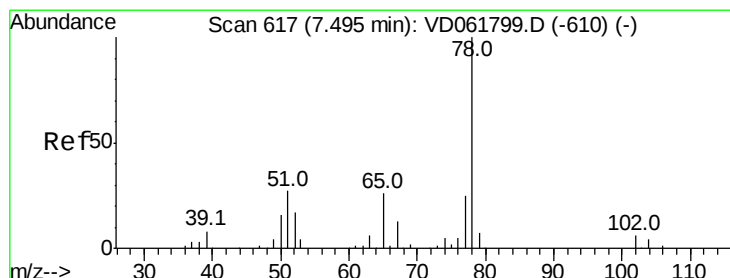
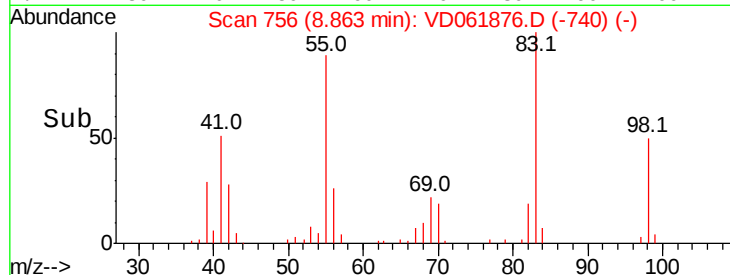
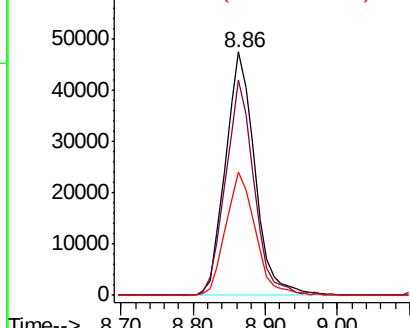
#39
Methvlcvclohexane
Concen: 18.823 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.04 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS01

Tot Ion: 83 Resp: 134562
Ion Ratio Lower Upper
83 100
55 88.5 68.2 102.4
98 50.4 38.2 57.4

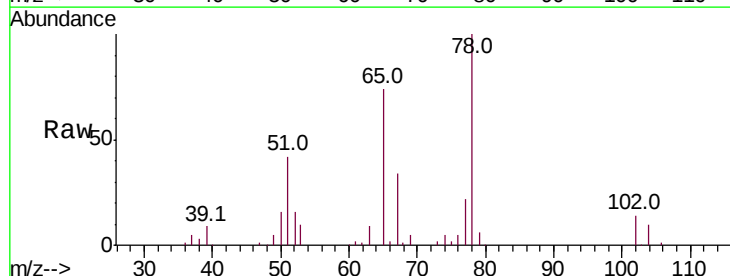


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

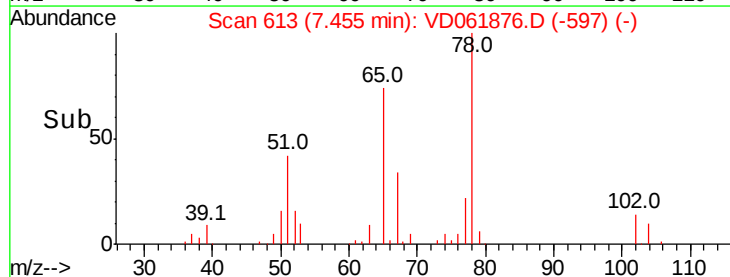
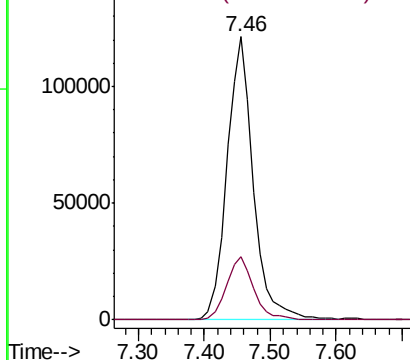


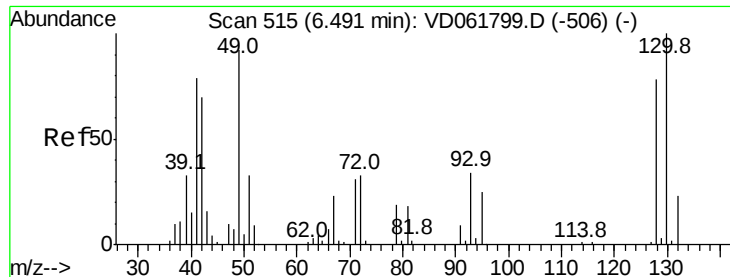
#40
Benzene
Concen: 20.499 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.04 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion: 78 Resp: 338797
Ion Ratio Lower Upper
78 100
77 22.3 19.7 29.5



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





#41

Methacrylonitrile

Concen: 21.979 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.06 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

Tot Ion: 41 Resp: 76541

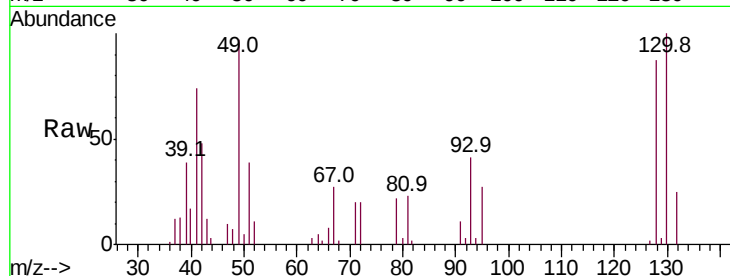
Ion Ratio Lower Upper

41 100

39 52.5 34.1 51.1#

67 36.3 23.8 35.6#

52 14.7 8.8 13.2#

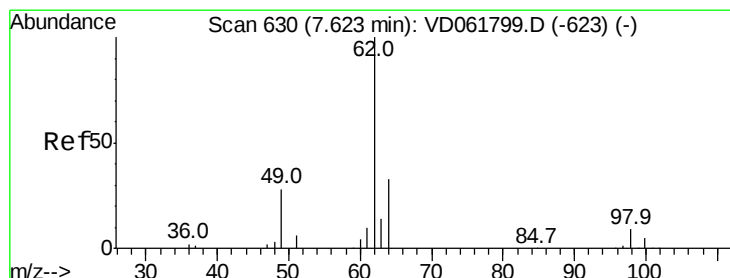
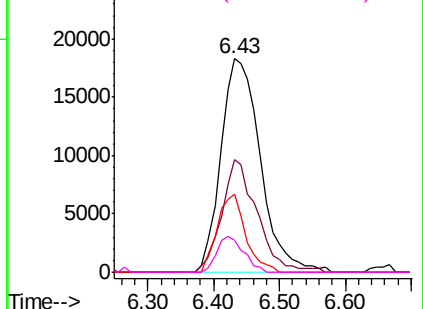
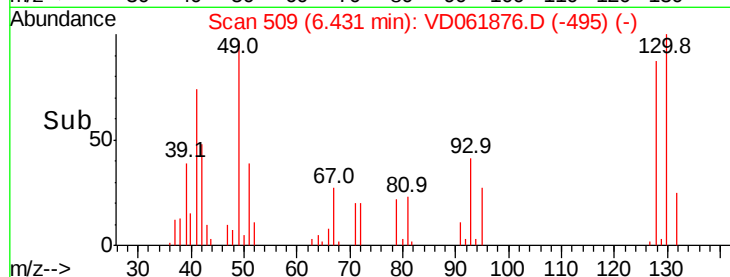


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 22.631 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.05 min

Lab File: VD061876.D

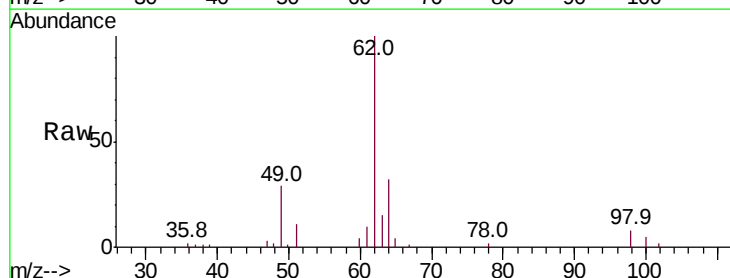
Acq: 18 Apr 2019 16:07

Tgt Ion: 62 Resp: 130265

Ion Ratio Lower Upper

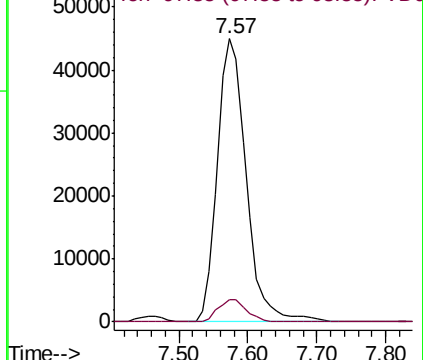
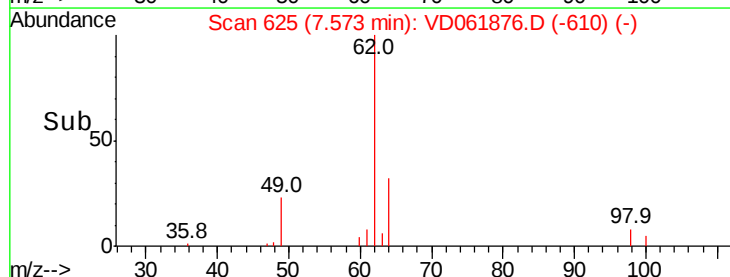
62 100

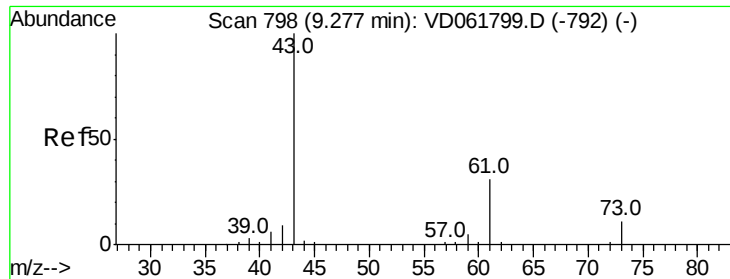
98 7.7 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.978 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

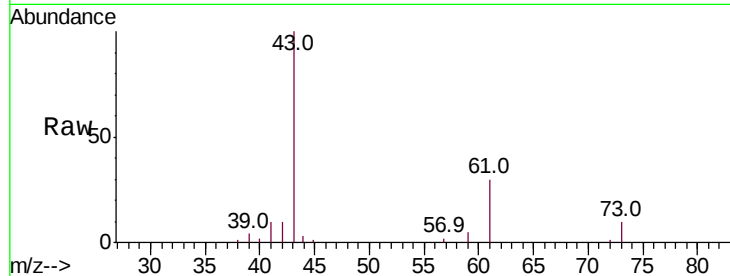
Tot Ion: 43 Resp: 91127

Ion Ratio Lower Upper

43 100

61 30.2 25.1 37.7

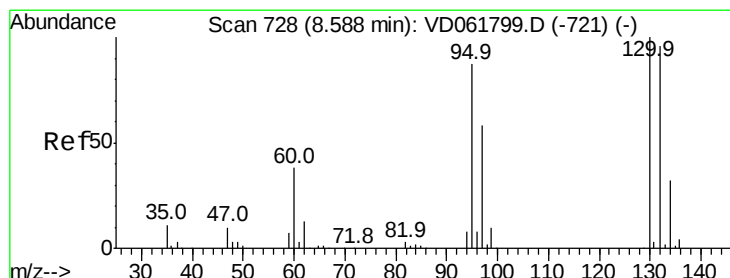
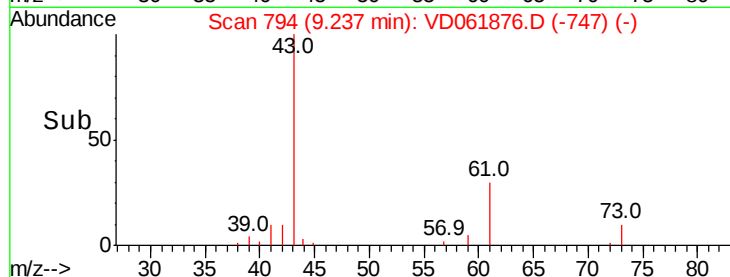
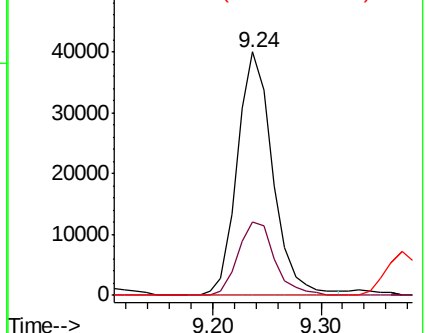
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 23.367 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.05 min

Lab File: VD061876.D

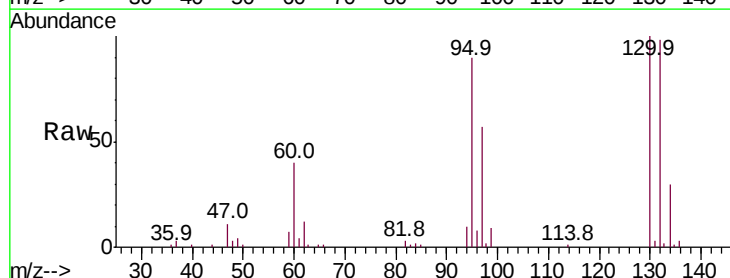
Acq: 18 Apr 2019 16:07

Tgt Ion: 130 Resp: 148671

Ion Ratio Lower Upper

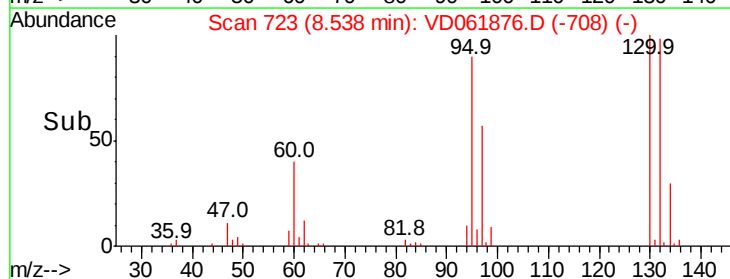
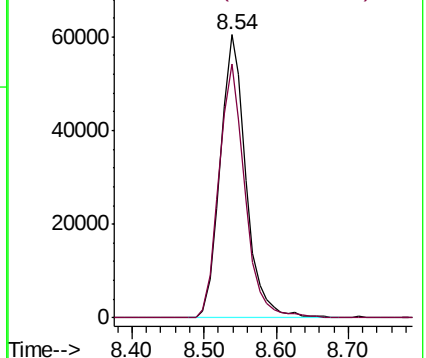
130 100

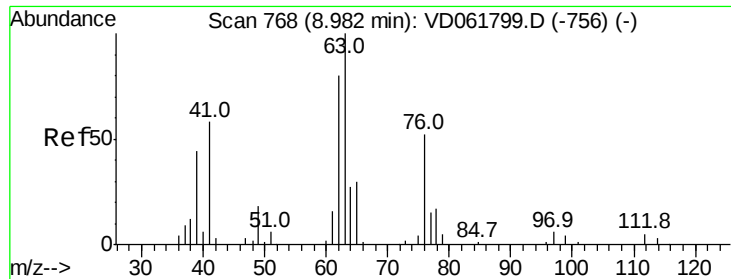
95 89.7 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.006 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

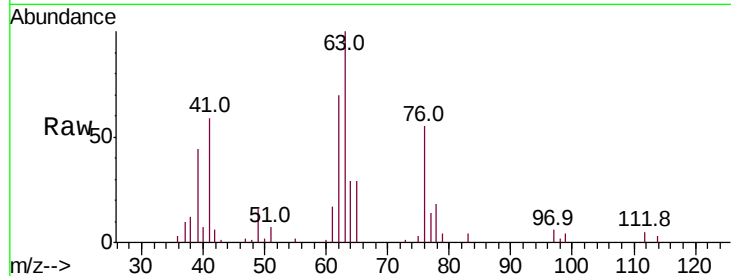
VD0418SBS01

Tot Ion: 63 Resp: 94737

Ion Ratio Lower Upper

63 100

65 29.4 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

40000

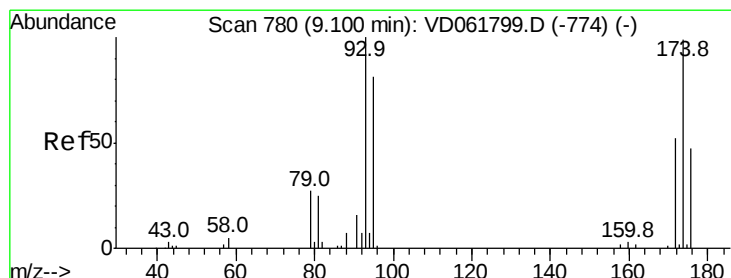
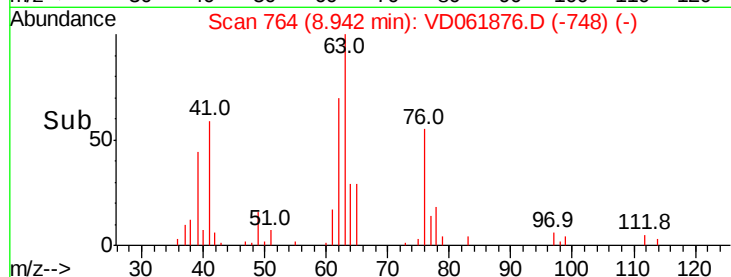
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 23.377 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

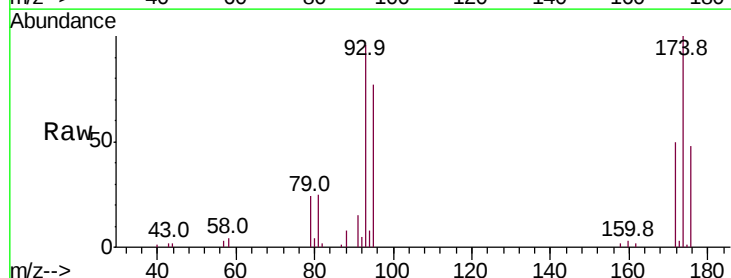
Tgt Ion: 93 Resp: 71708

Ion Ratio Lower Upper

93 100

95 80.5 64.8 97.2

174 104.6 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

40000

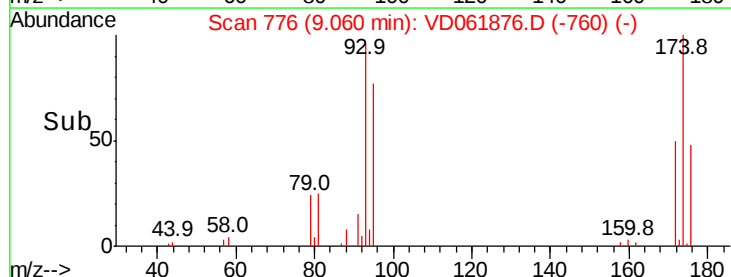
30000

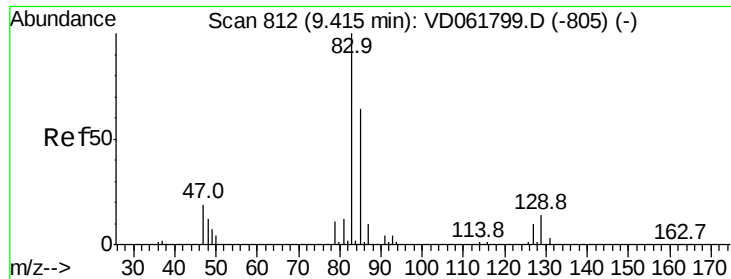
20000

10000

0

Time--> 9.00 9.10 9.20

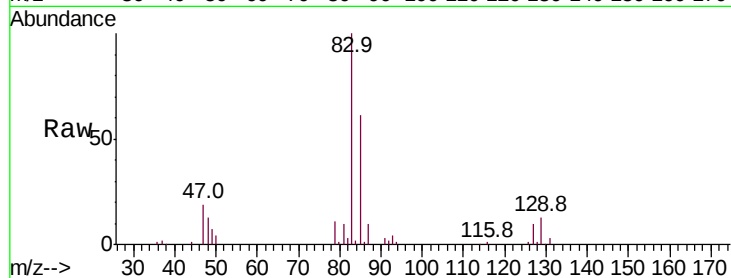




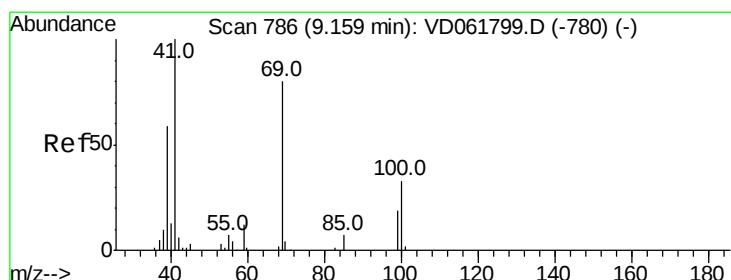
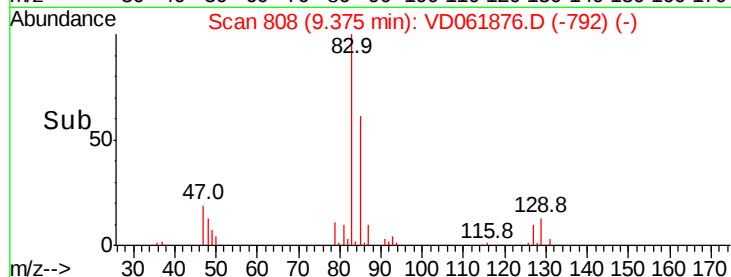
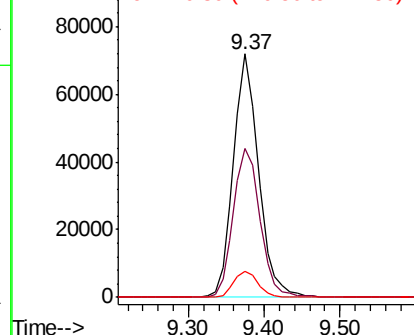
#47
Bromodichloromethane
Concen: 23.344 ug/l
RT: 9.37 min Scan# 808
Delta R.T. -0.04 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS01

Tot Ion: 83 Resp: 165196
Ion Ratio Lower Upper
83 100
85 61.1 50.9 76.3
127 10.5 8.1 12.1

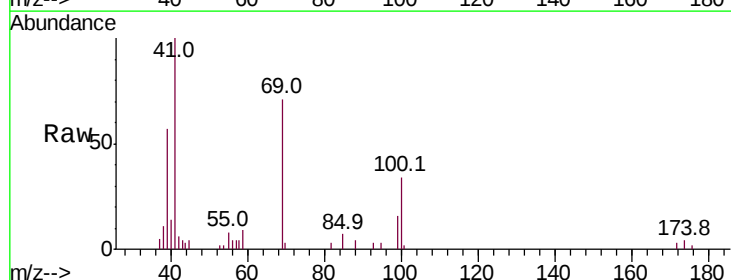


Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC

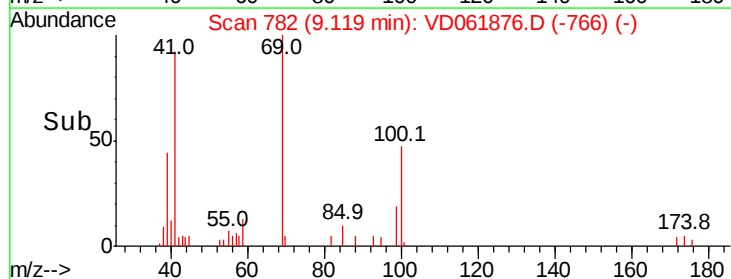
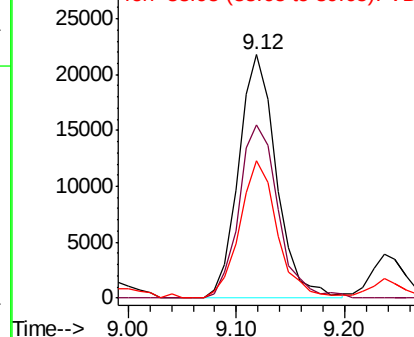


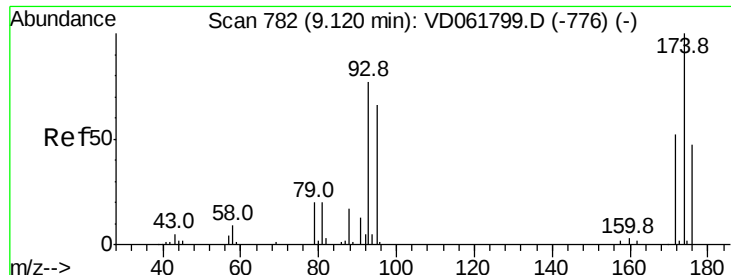
#48
Methyl methacrylate
Concen: 21.696 ug/l
RT: 9.12 min Scan# 782
Delta R.T. -0.04 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion: 41 Resp: 52878
Ion Ratio Lower Upper
41 100
69 71.4 64.2 96.2
39 56.7 46.8 70.2



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

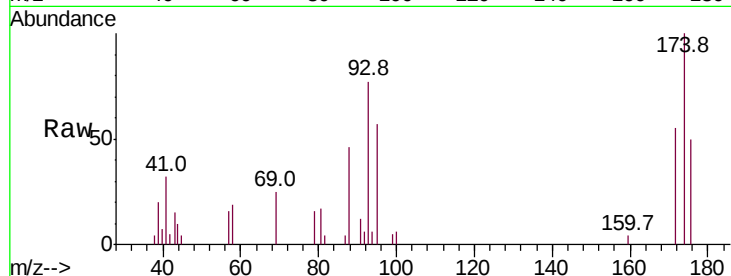




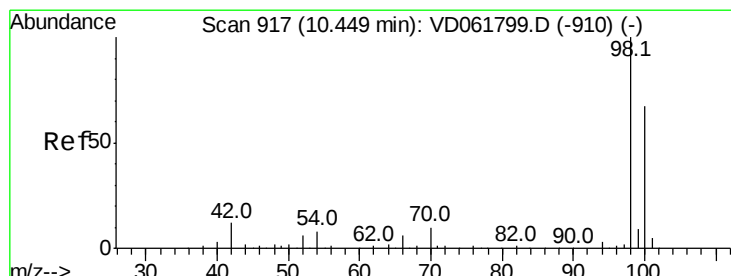
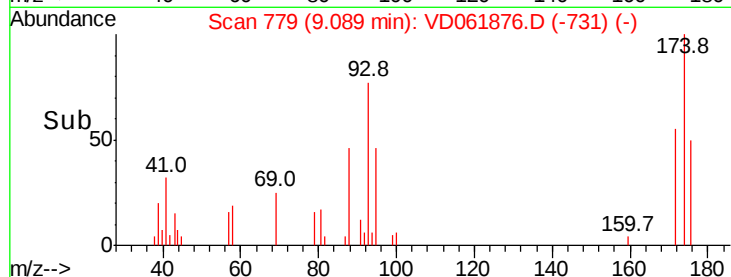
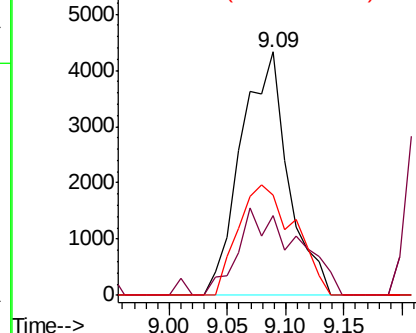
#49
 1,4-Dioxane
 Concen: 456.474 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.03 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD01

Tot Ion: 88 Resp: 12160
 Ion Ratio Lower Upper
 88 100
 43 32.7 23.4 35.0
 58 41.0 44.0 66.0#

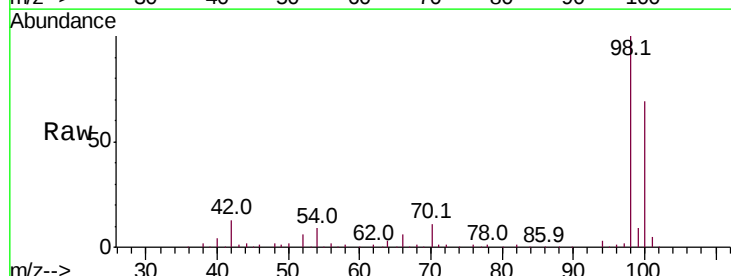


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

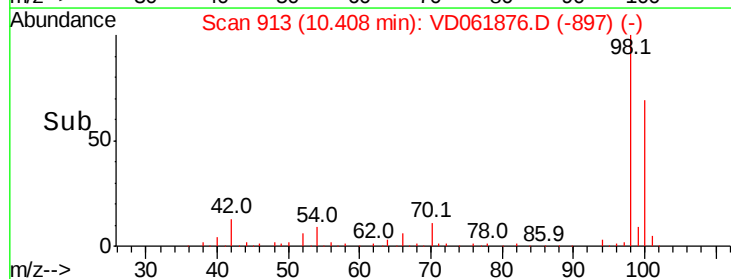
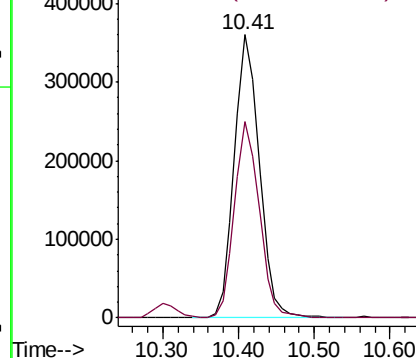


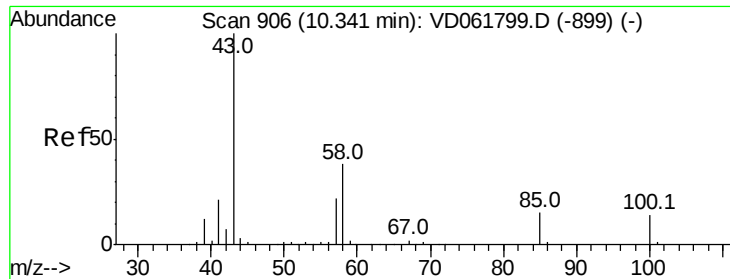
#50
 Toluene-d8
 Concen: 456.474 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.04 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Tgt Ion: 98 Resp: 826163
 Ion Ratio Lower Upper
 98 100
 100 69.2 53.8 80.8



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: 126.014 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

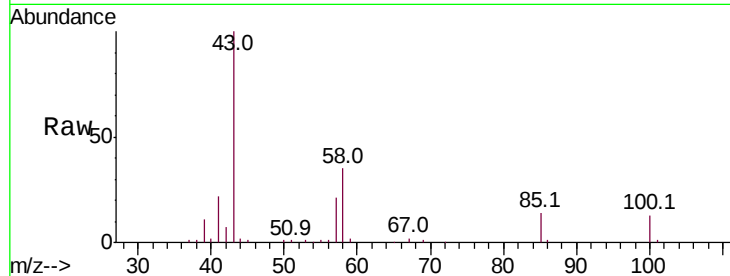
VD0418SBS01

Tot Ion: 43 Resp: 319517

Ion Ratio Lower Upper

43 100

58 35.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

150000

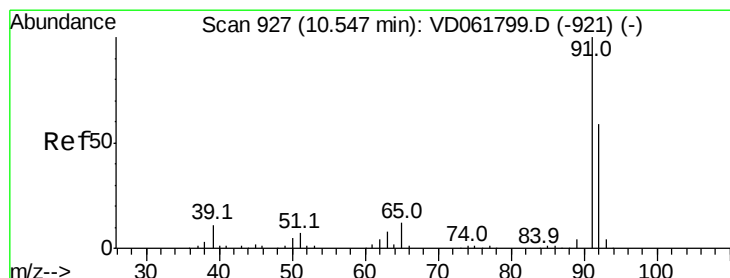
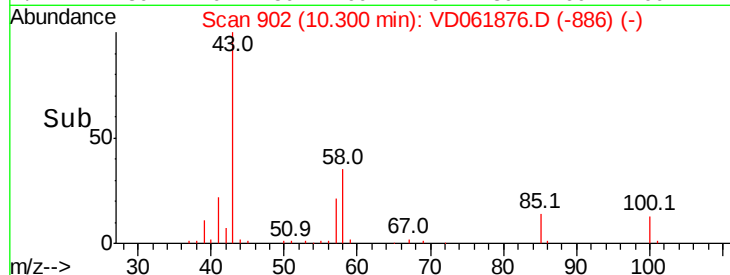
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 21.319 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.04 min

Lab File: VD061876.D

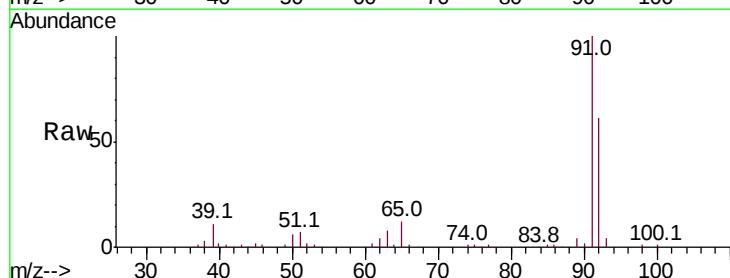
Acq: 18 Apr 2019 16:07

Tgt Ion: 92 Resp: 225798

Ion Ratio Lower Upper

92 100

91 163.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

150000

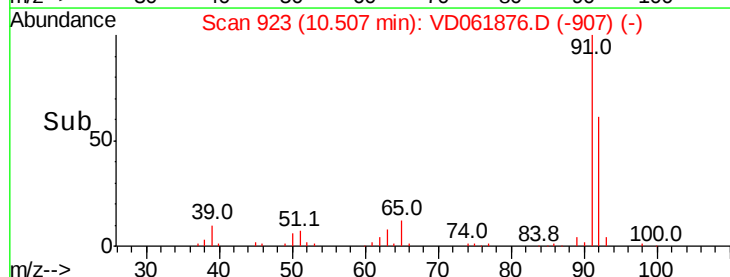
100000

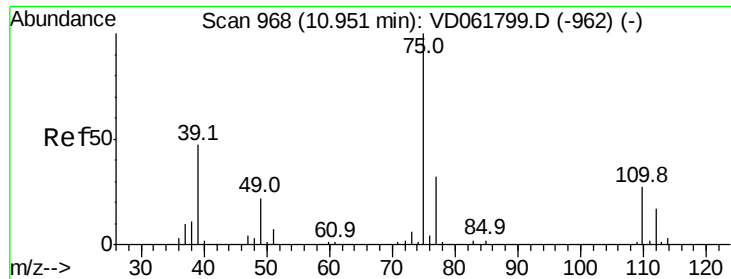
50000

0

Time-->

10.40 10.50 10.60 10.70





#53

t-1,3-Dichloropropene

Concen: 21.296 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

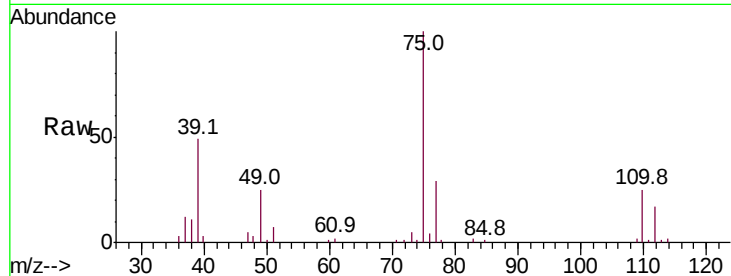
VD0418SBS01

Tot Ion: 75 Resp: 135794

Ion Ratio Lower Upper

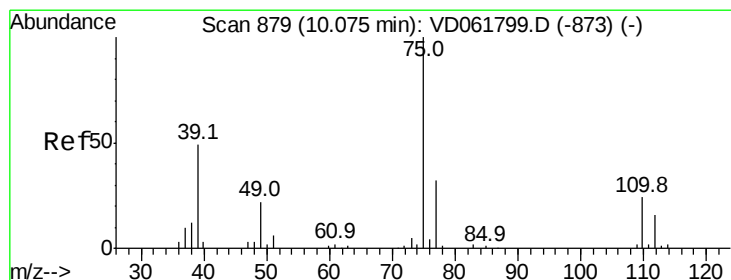
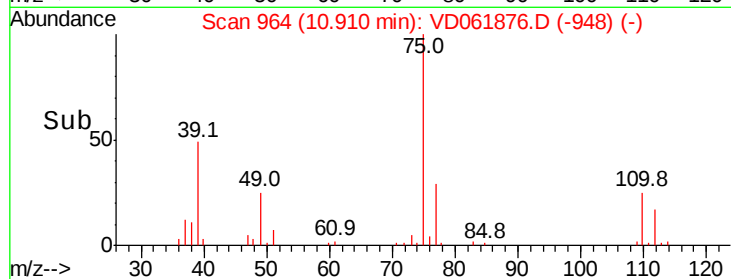
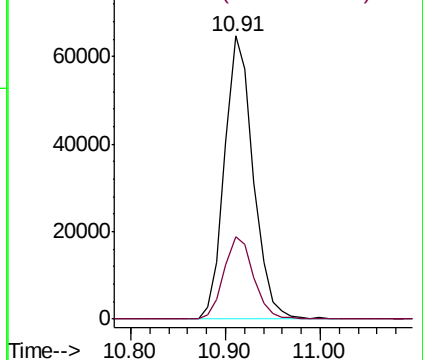
75 100

77 29.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.380 ug/l

RT: 10.03 min Scan# 875

Delta R.T. -0.04 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

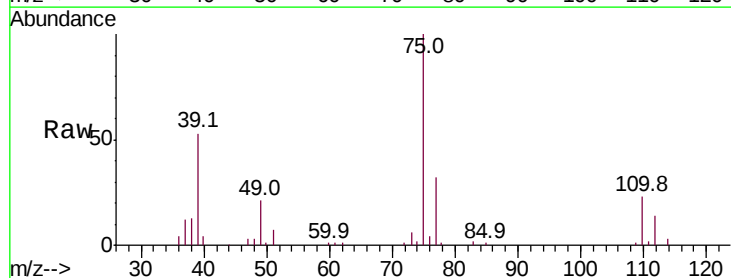
Tgt Ion: 75 Resp: 160028

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

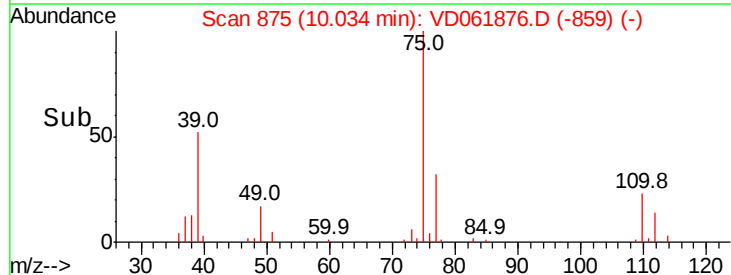
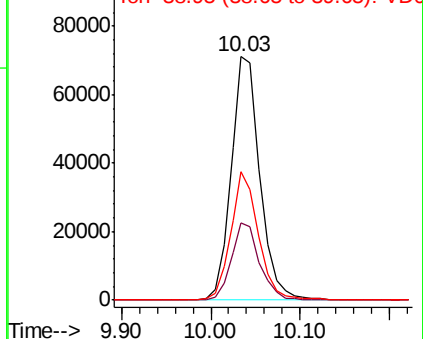
39 52.6 39.4 59.2

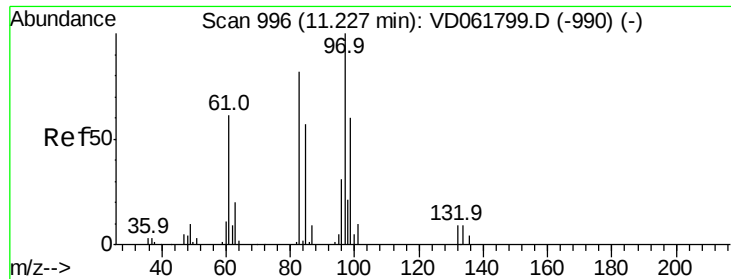


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



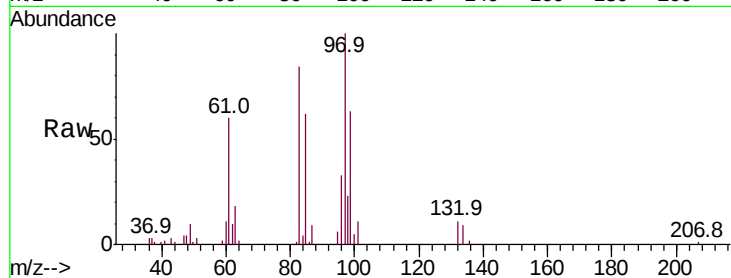


#55
 1,1,2-Trichloroethane
 Concen: 22.888 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.03 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

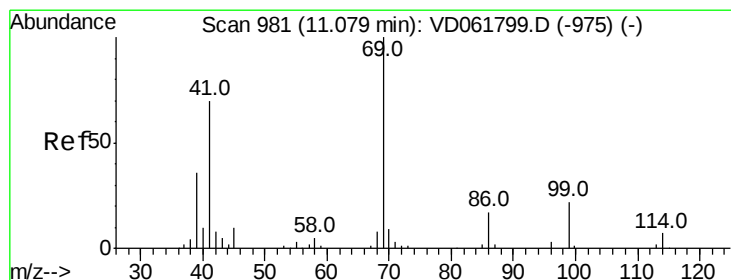
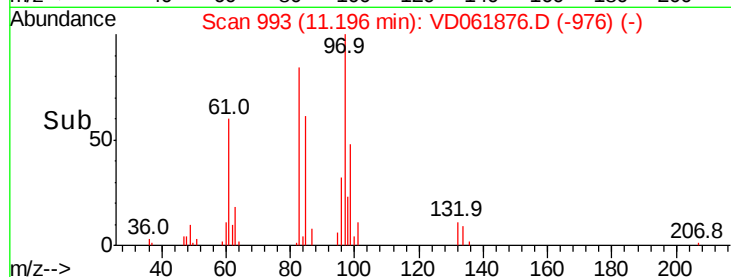
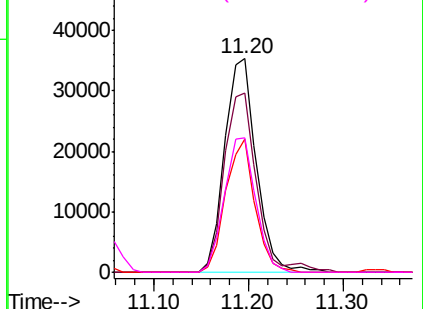
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD01

Tot Ion: 97 Resp: 81683

Ion	Ratio	Lower	Upper
97	100		
83	83.8	65.7	98.5
85	62.1	45.6	68.4
99	63.0	48.4	72.6



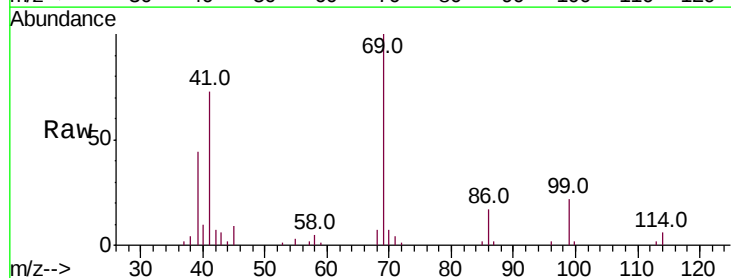
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



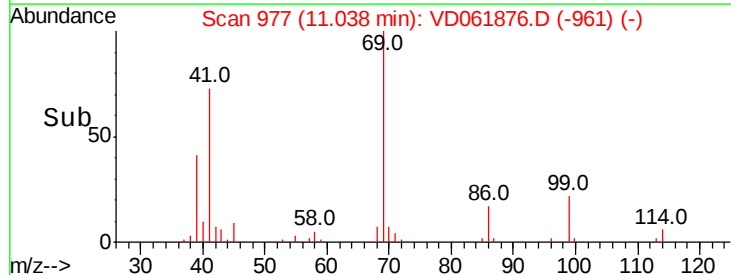
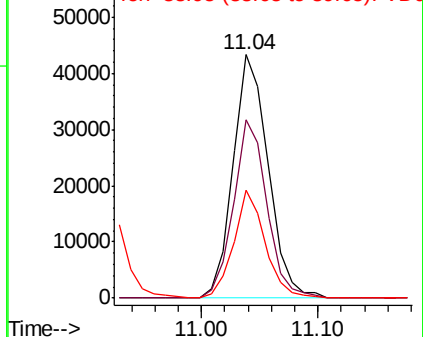
#56
 Ethyl methacrylate
 Concen: 23.026 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.04 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

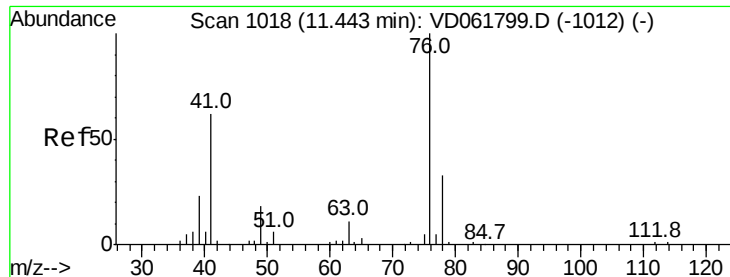
Tgt Ion: 69 Resp: 90193

Ion	Ratio	Lower	Upper
69	100		
41	73.2	56.3	84.5
39	44.1	29.4	44.2



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





#57

1,3-Dichloropropane

Concen: 22.398 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. -0.03 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

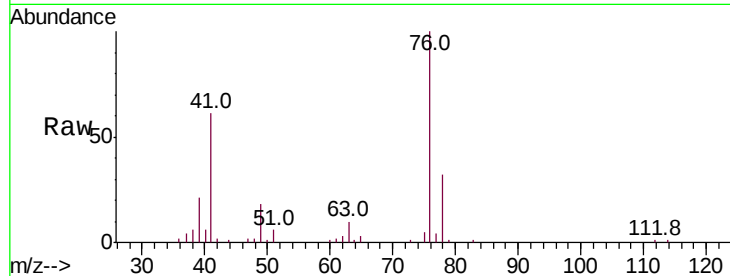
VD0418SBS01

Tot Ion: 76 Resp: 120173

Ion Ratio Lower Upper

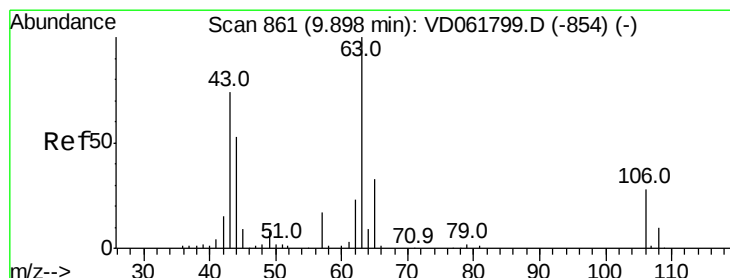
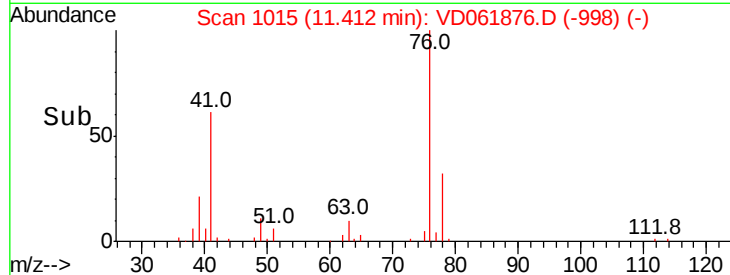
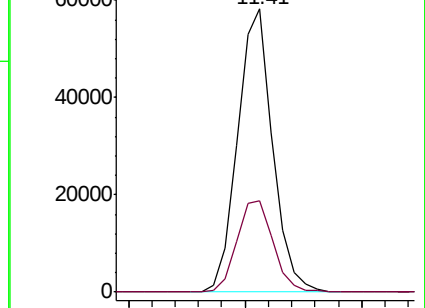
76 100

78 32.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 119.225 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.04 min

Lab File: VD061876.D

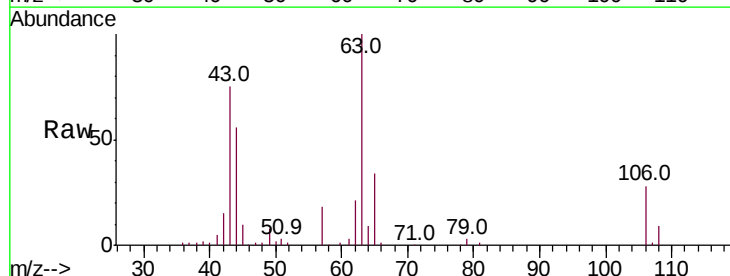
Acq: 18 Apr 2019 16:07

Tgt Ion: 63 Resp: 222125

Ion Ratio Lower Upper

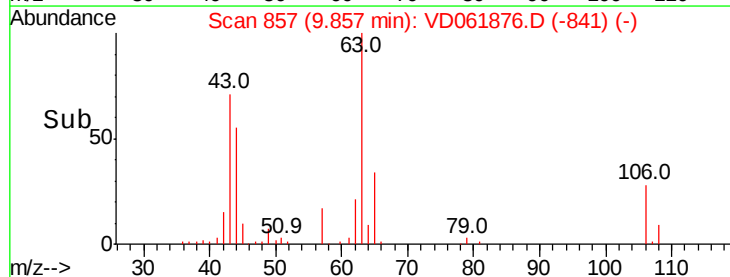
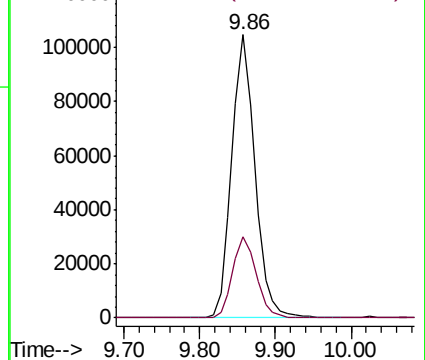
63 100

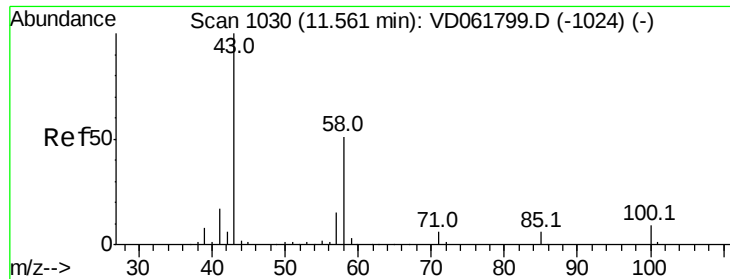
106 28.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 116.359 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

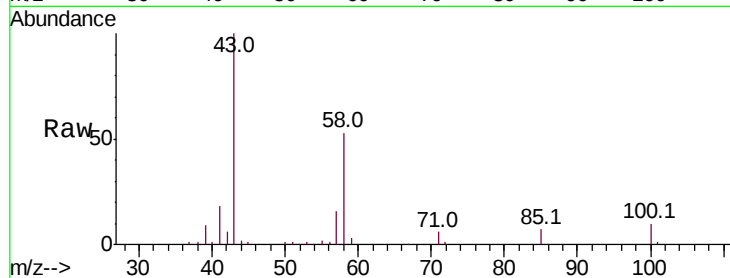
VD0418SBS01

Tot Ion: 43 Resp: 219131

Ion Ratio Lower Upper

43 100

58 53.0 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

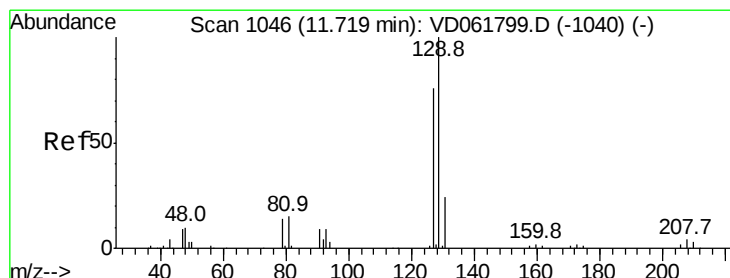
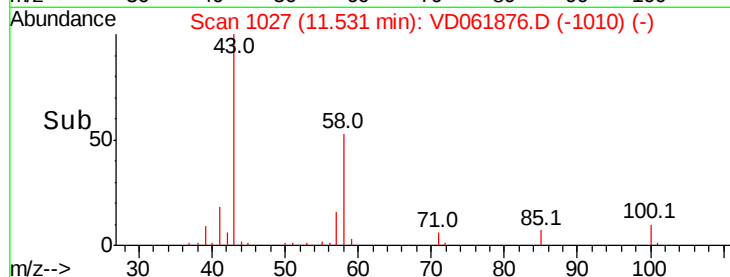
11.53

100000

50000

0

Time--> 11.40 11.50 11.60 11.70



#60

Dibromochloromethane

Concen: 22.474 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. -0.03 min

Lab File: VD061876.D

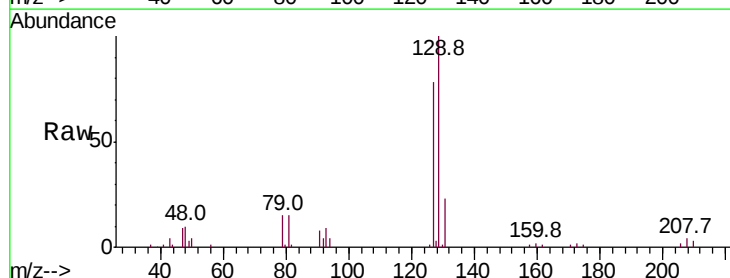
Acq: 18 Apr 2019 16:07

Tgt Ion: 129 Resp: 131240

Ion Ratio Lower Upper

129 100

127 77.7 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

80000

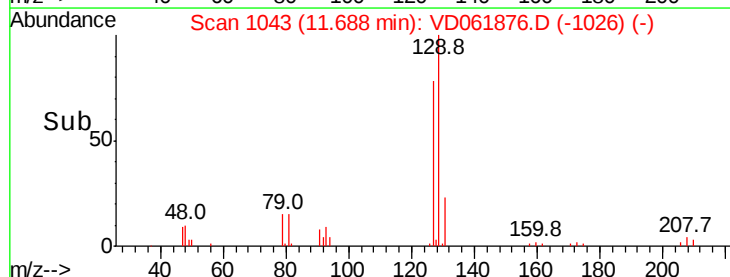
60000

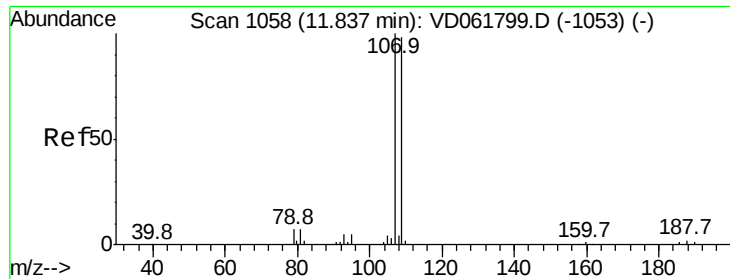
40000

20000

0

Time--> 11.60 11.70 11.80

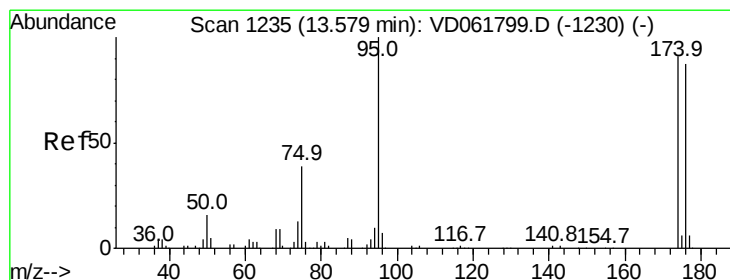
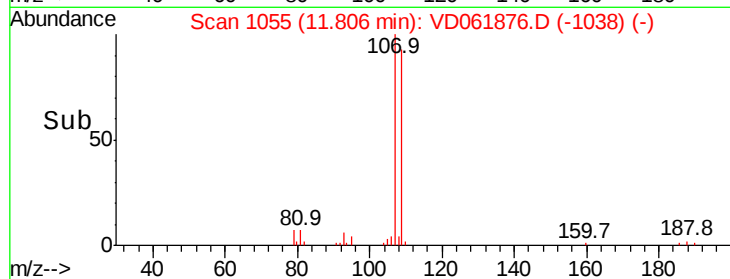
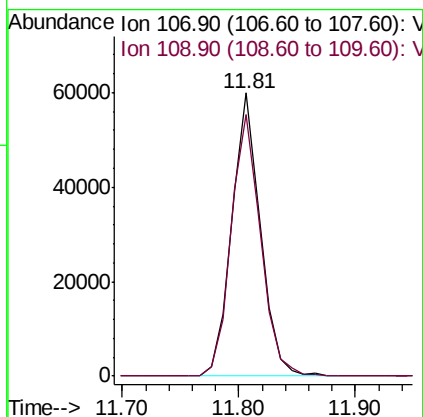
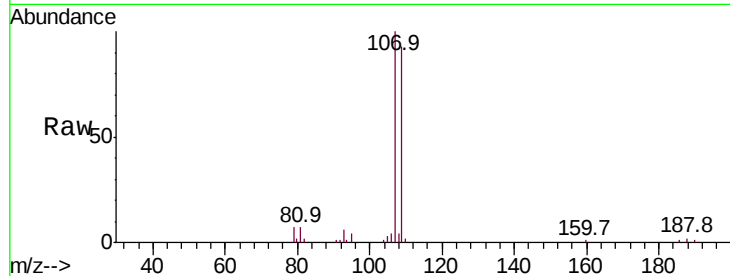




#61
 1,2-Dibromoethane
 Concen: 23.087 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.03 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

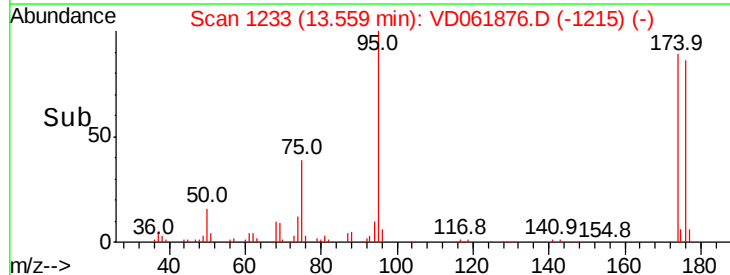
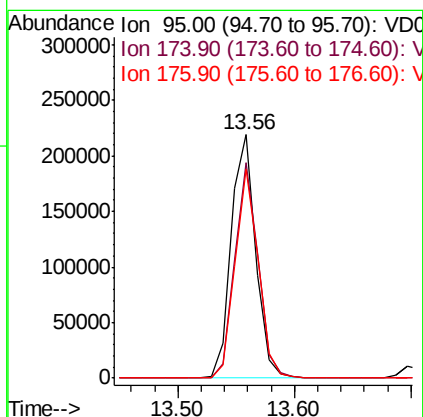
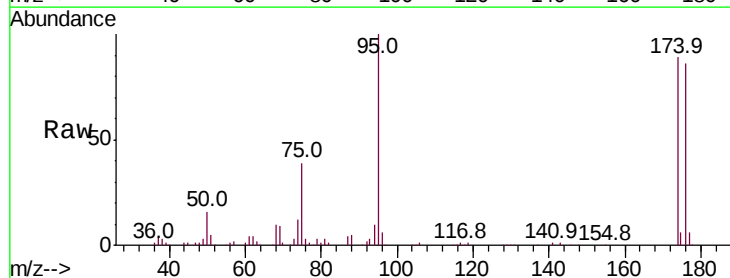
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD01

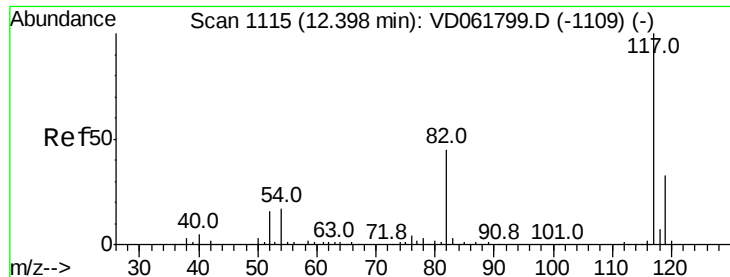
Tot Ion:107 Resp: 101314
 Ion Ratio Lower Upper
 107 100
 109 92.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 23.087 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.02 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Tgt Ion: 95 Resp: 317913
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 181.8
 176 85.9 0.0 174.4

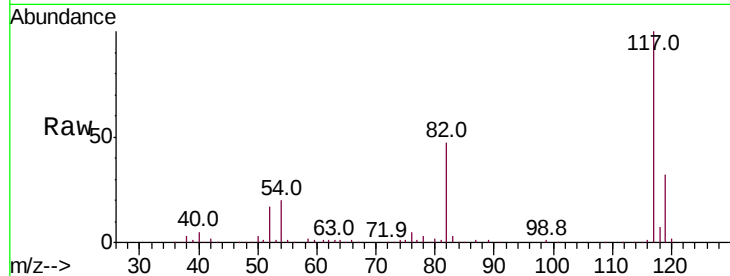




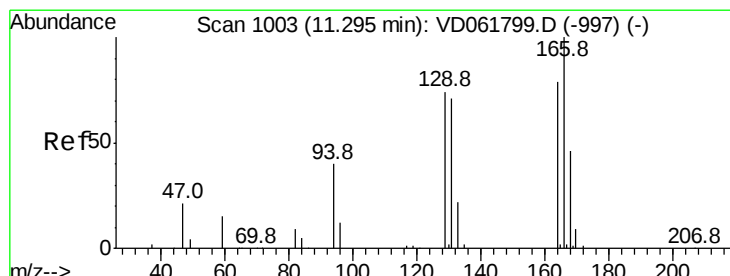
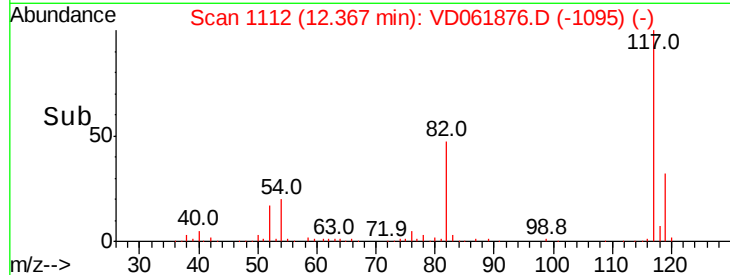
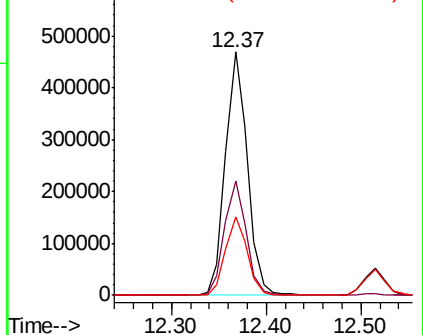
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD01

Tot Ion:117 Resp: 754144
Ion Ratio Lower Upper
117 100
82 47.0 36.2 54.2
119 32.0 26.2 39.4

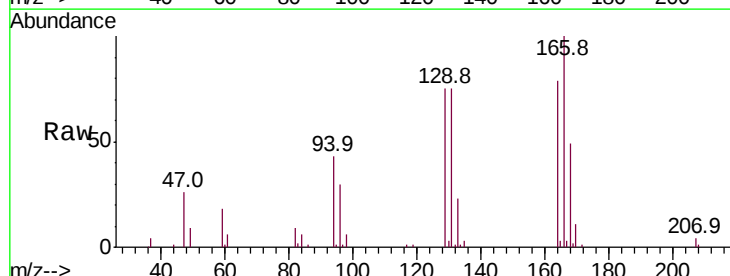


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

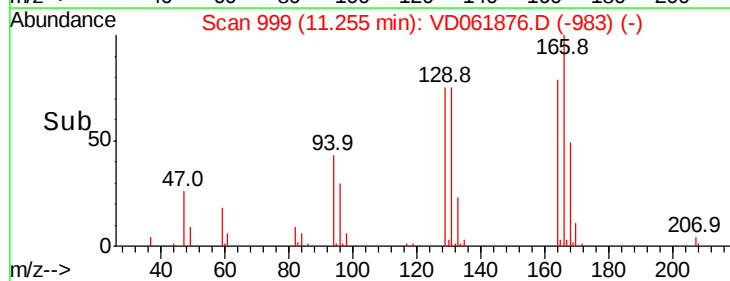
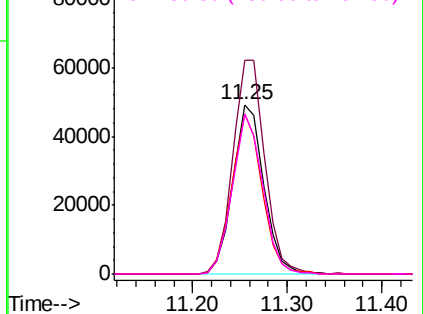


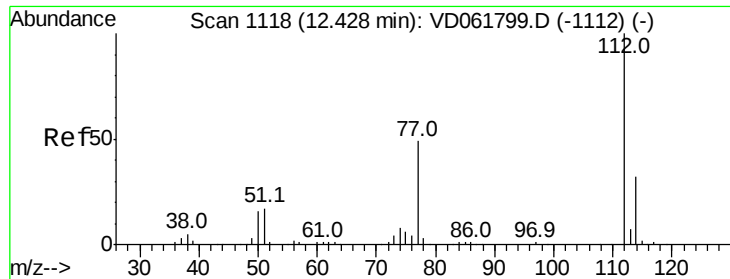
#64
Tetrachloroethene
Concen: 19.679 ug/l
RT: 11.25 min Scan# 999
Delta R.T. -0.04 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion:164 Resp: 111299
Ion Ratio Lower Upper
164 100
166 126.3 101.5 152.3
129 95.0 74.6 112.0
131 95.0 72.6 108.8



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

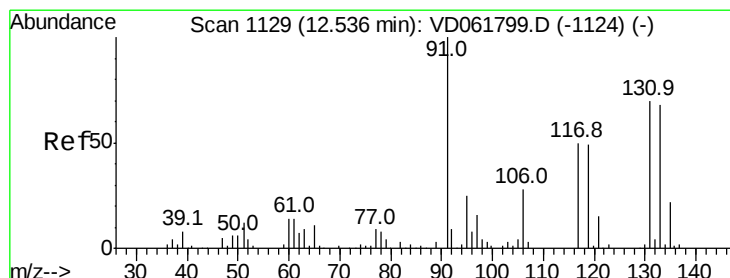
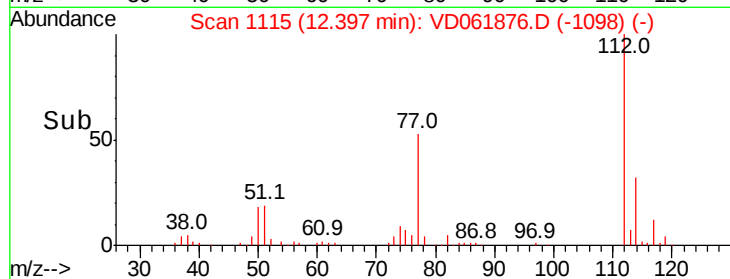
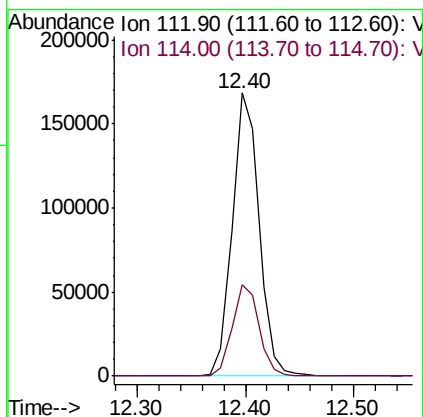
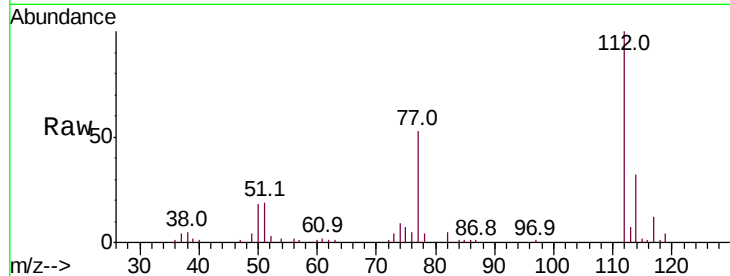




#65
Chlorobenzene
Concen: 20.569 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.03 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

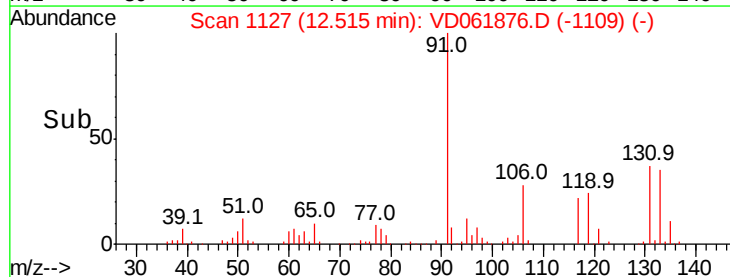
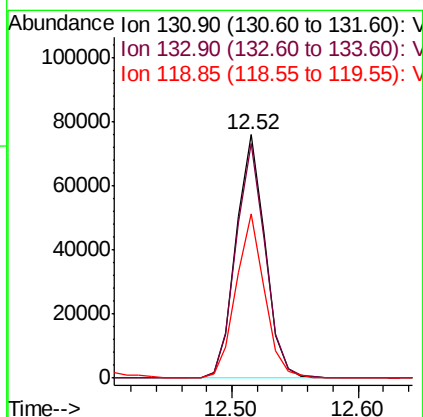
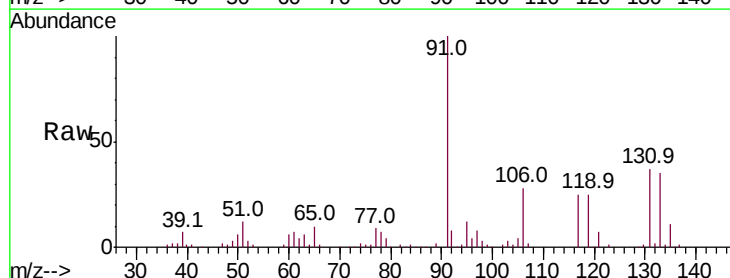
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS01

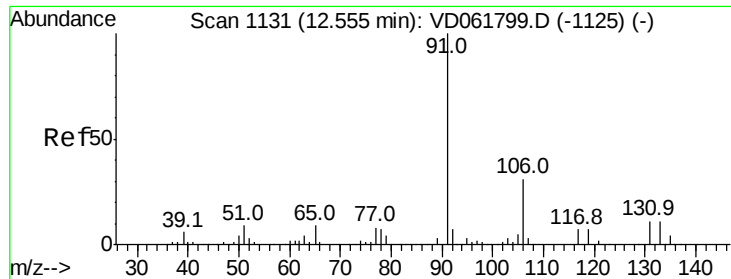
Tot Ion:112 Resp: 288886
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.530 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion:131 Resp: 120832
Ion Ratio Lower Upper
131 100
133 96.6 48.6 145.8
119 67.3 34.7 104.1

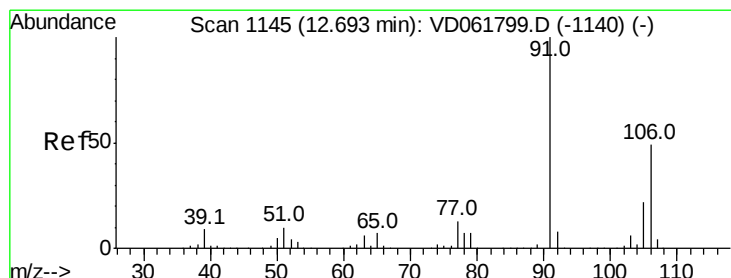
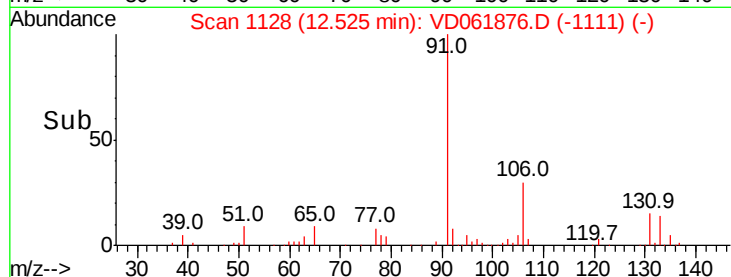
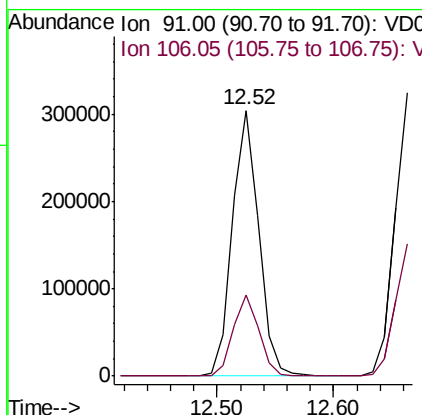
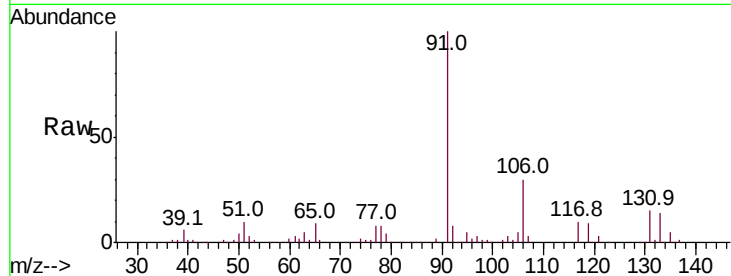




#67
Ethyl Benzene
Concen: 21.275 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.03 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

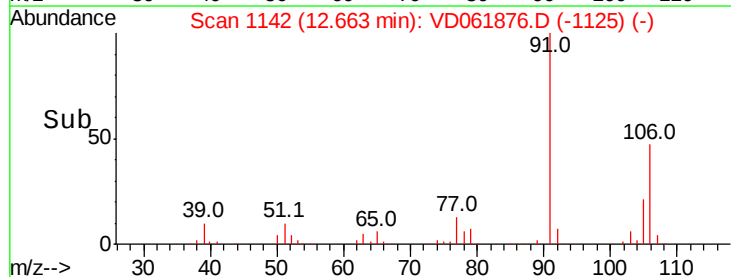
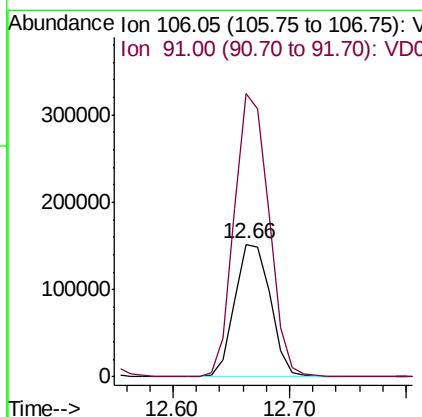
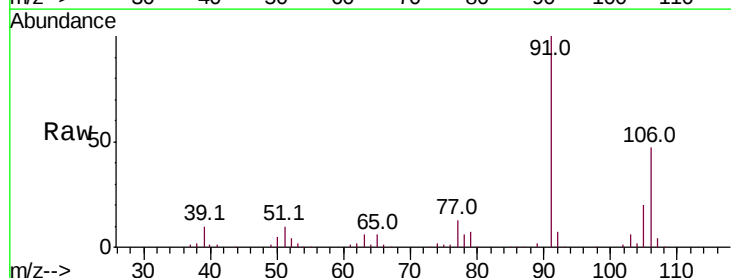
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS01

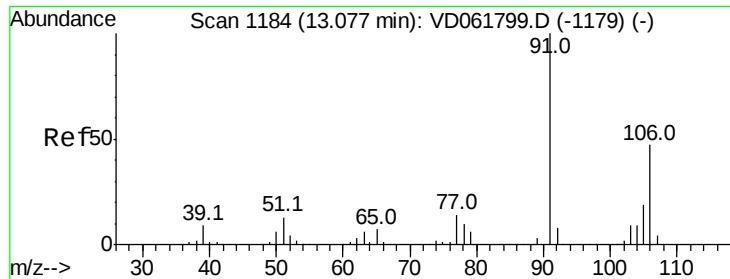
Tot Ion: 91 Resp: 478507
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1



#68
m/p-Xylenes
Concen: 38.095 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion:106 Resp: 321851
Ion Ratio Lower Upper
106 100
91 213.0 164.0 246.0

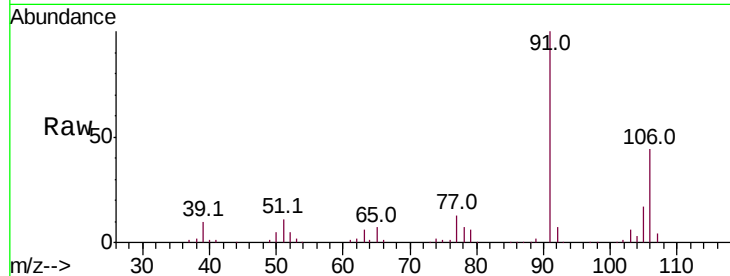




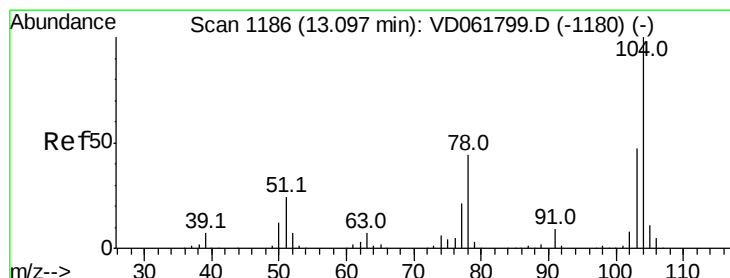
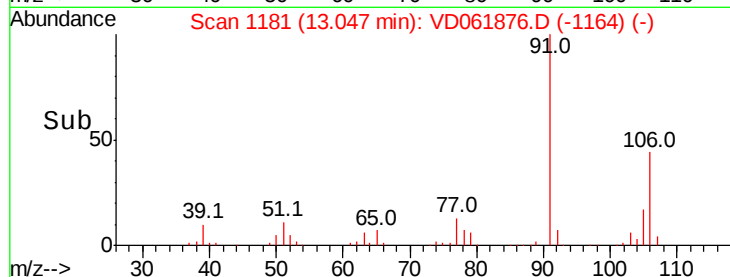
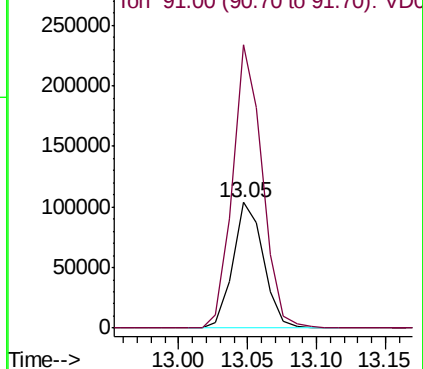
#69
o-Xylene
Concen: 20.176 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBSD01

Tot Ion:106 Resp: 160216
Ion Ratio Lower Upper
106 100
91 225.6 106.7 319.9

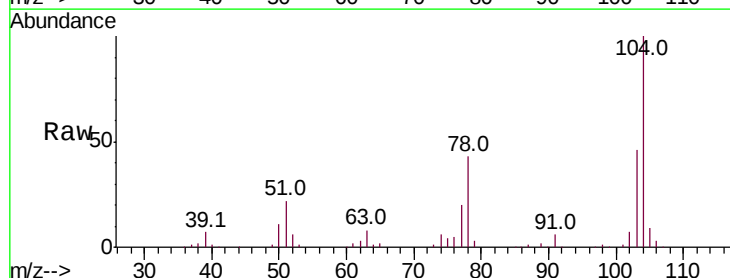


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

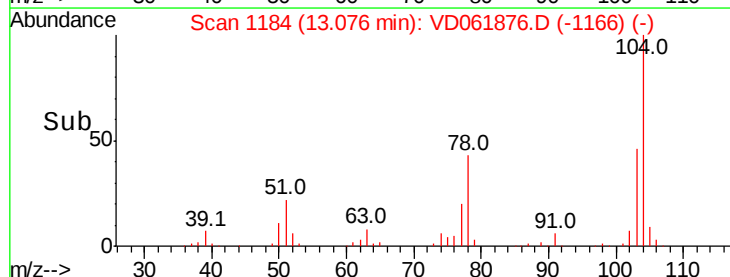
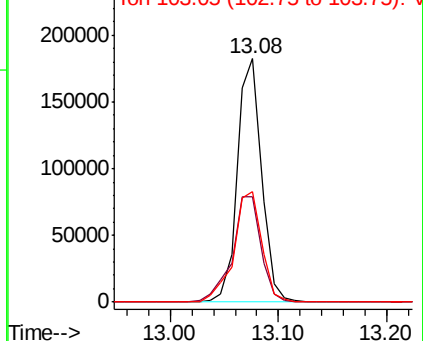


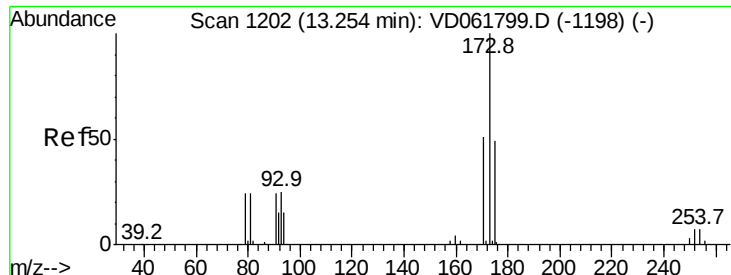
#70
Styrene
Concen: 20.744 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion:104 Resp: 283467
Ion Ratio Lower Upper
104 100
78 43.1 35.4 53.2
103 45.5 37.5 56.3



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

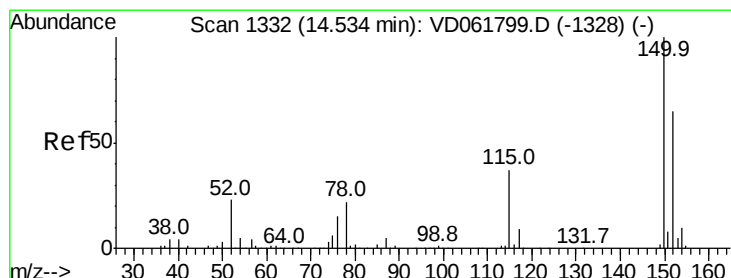
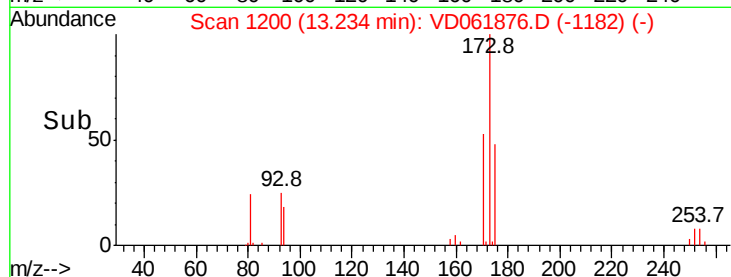
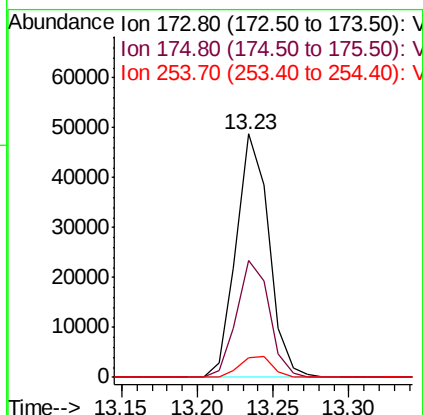
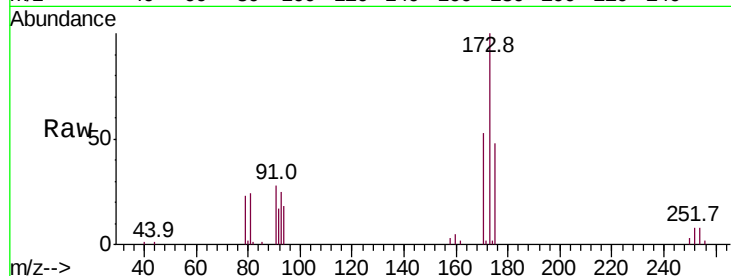




#71
Bromoform
Concen: 21.040 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.02 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

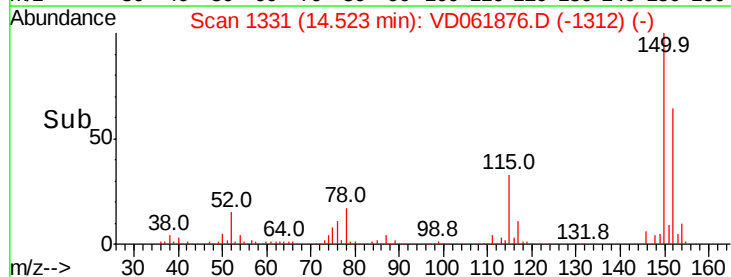
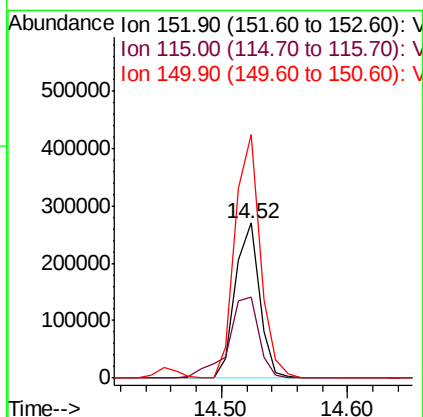
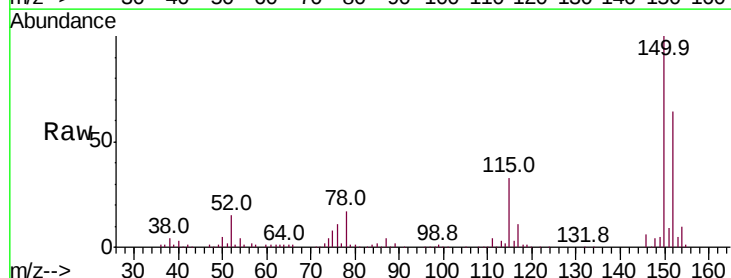
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS01

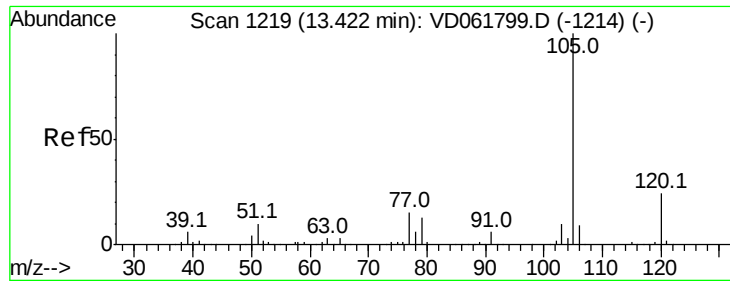
Tot Ion:173 Resp: 73505
Ion Ratio Lower Upper
173 100
175 48.3 24.4 73.4
254 8.1 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD061876.D
Acq: 18 Apr 2019 16:07

Tgt Ion:152 Resp: 356953
Ion Ratio Lower Upper
152 100
115 52.6 30.9 92.7
150 157.3 0.0 314.8





#73

Isopropylbenzene

Concen: 18.905 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

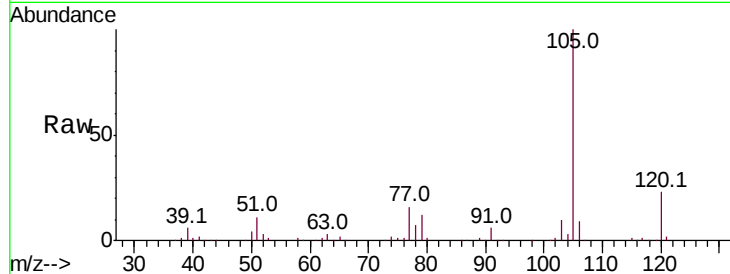
VD0418SBS01

Tot Ion:105 Resp: 437652

Ion Ratio Lower Upper

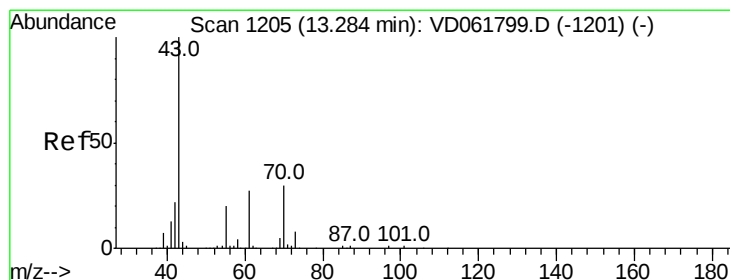
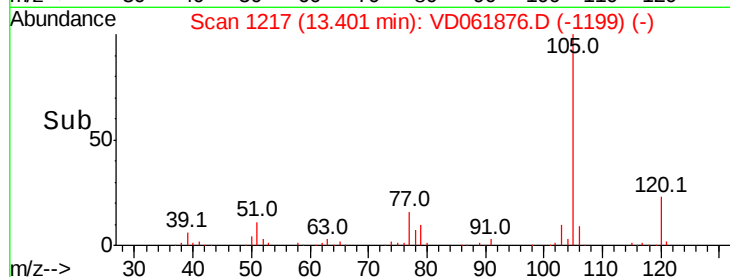
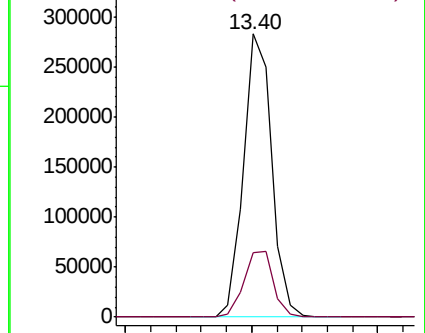
105 100

120 23.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.144 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Tgt Ion: 43 Resp: 119173

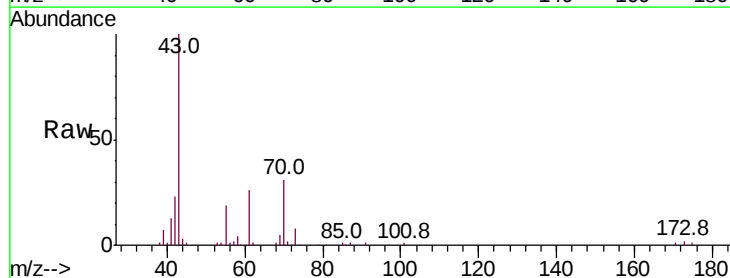
Ion Ratio Lower Upper

43 100

70 30.8 24.2 36.4

55 19.2 16.0 24.0

61 26.2 21.6 32.4

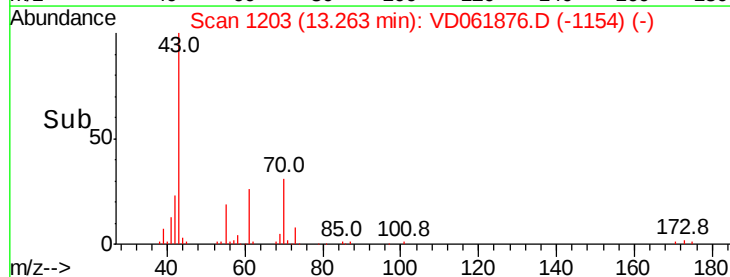
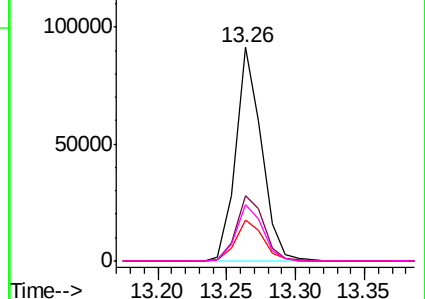


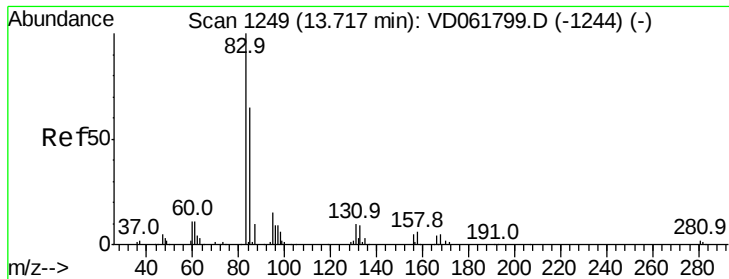
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.307 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBSD01

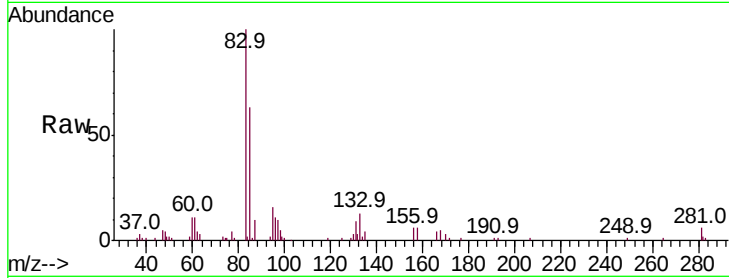
Tot Ion: 83 Resp: 97499

Ion Ratio Lower Upper

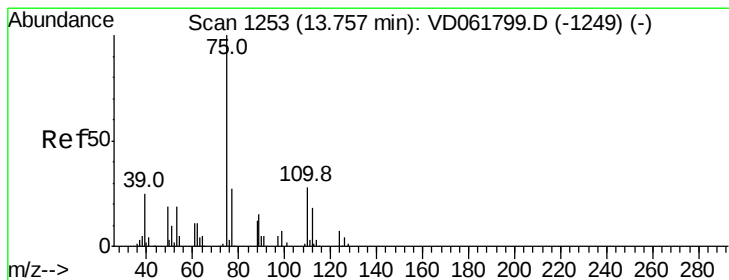
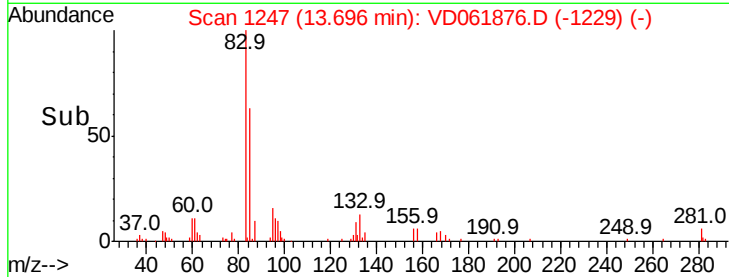
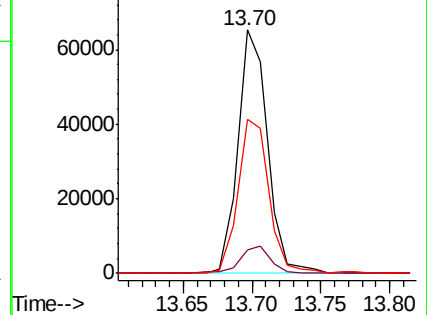
83 100

131 9.4 5.0 14.9

85 63.1 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.057 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD061876.D

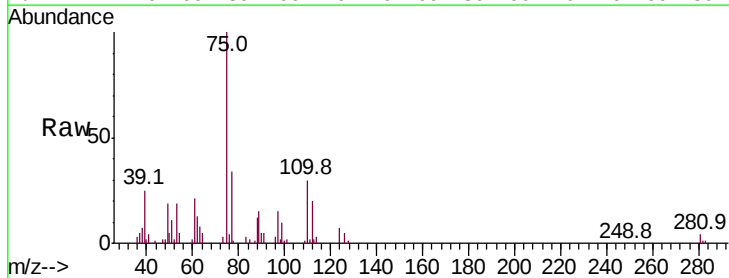
Acq: 18 Apr 2019 16:07

Tgt Ion: 75 Resp: 98709

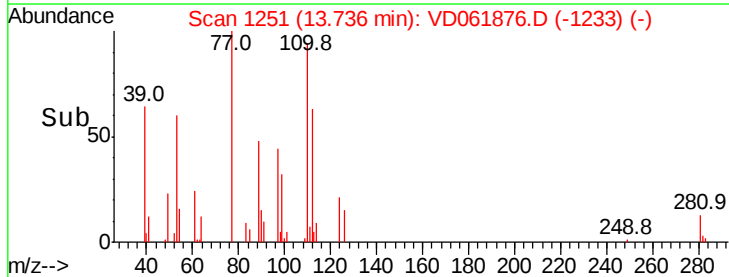
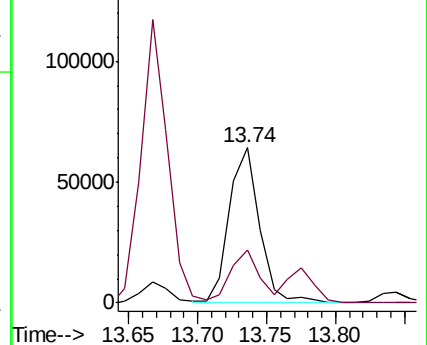
Ion Ratio Lower Upper

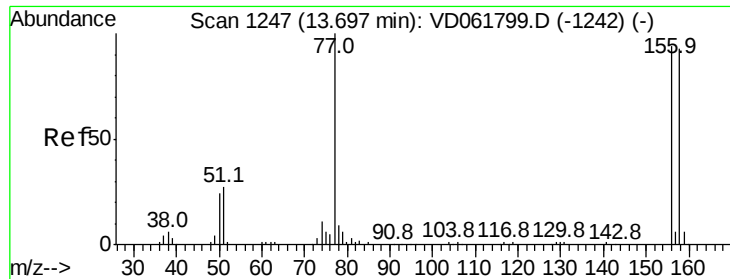
75 100

77 34.0 16.4 49.4



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





#77

Bromobenzene

Concen: 19.711 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.03 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

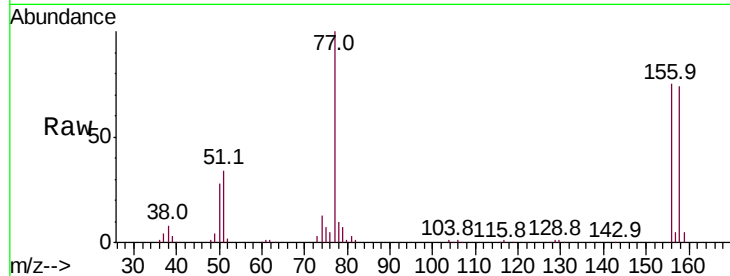
Tot Ion:156 Resp: 129620

Ion Ratio Lower Upper

156 100

77 134.0 53.1 159.4

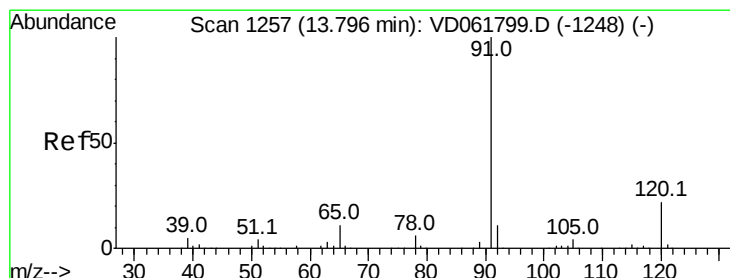
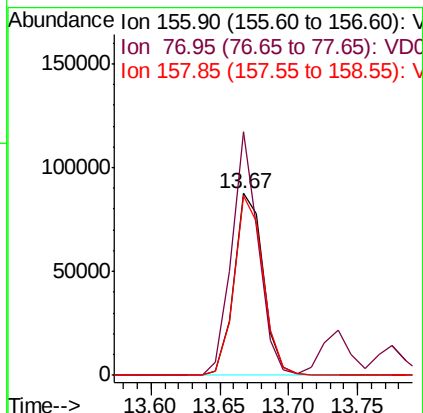
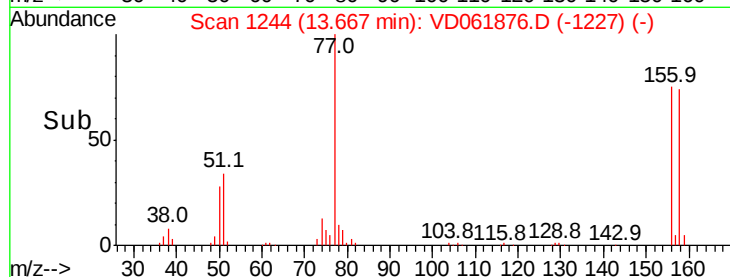
158 98.9 49.4 148.0



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: 19.907 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.02 min

Lab File: VD061876.D

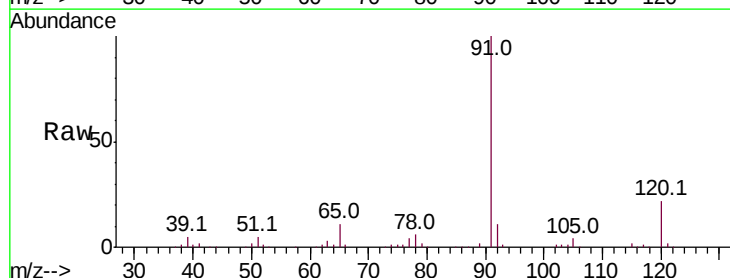
Acq: 18 Apr 2019 16:07

Tgt Ion: 91 Resp: 532441

Ion Ratio Lower Upper

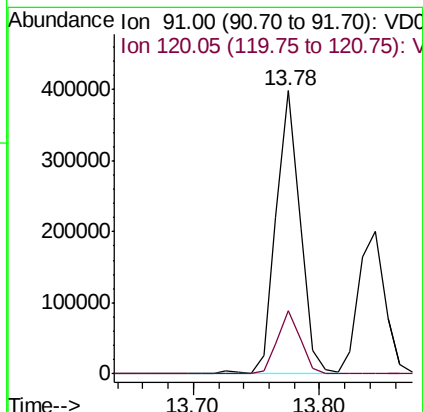
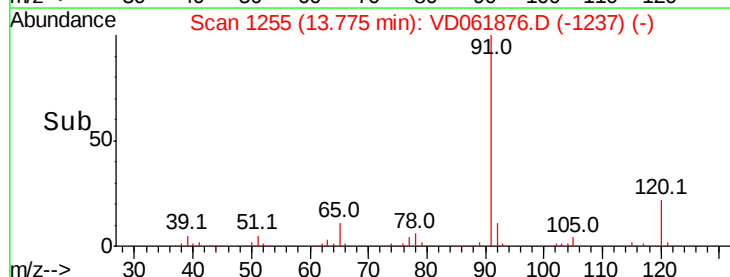
91 100

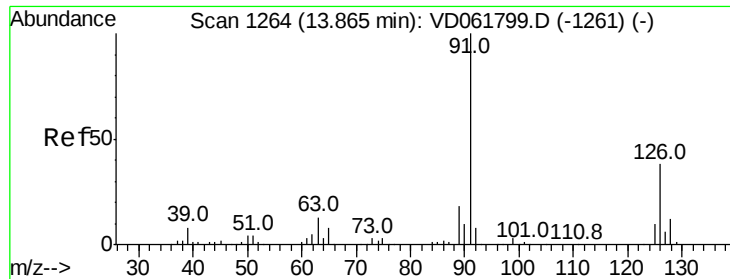
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

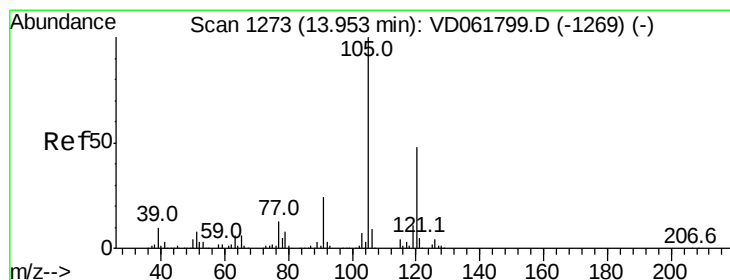
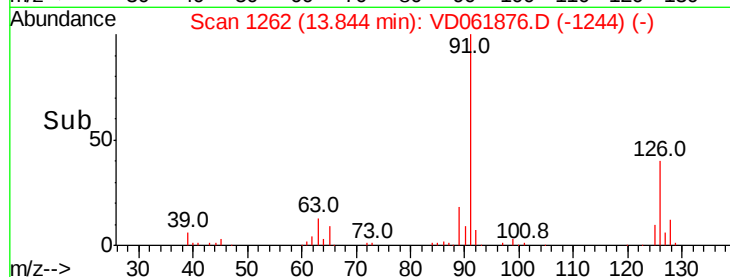
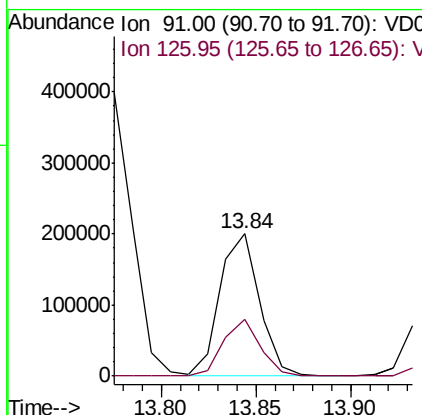
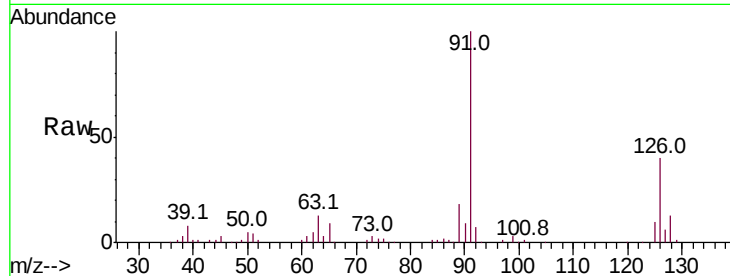




#79
 2-Chlorotoluene
 Concen: 18.543 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

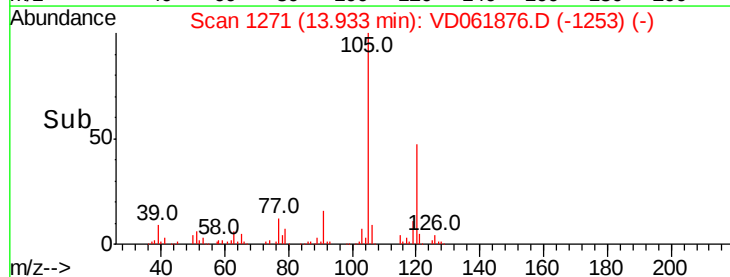
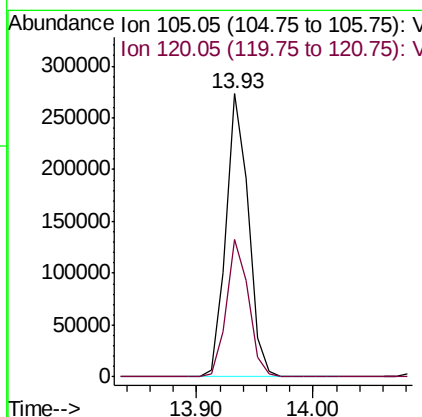
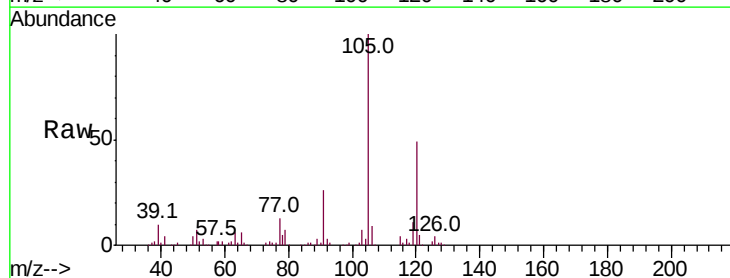
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS01

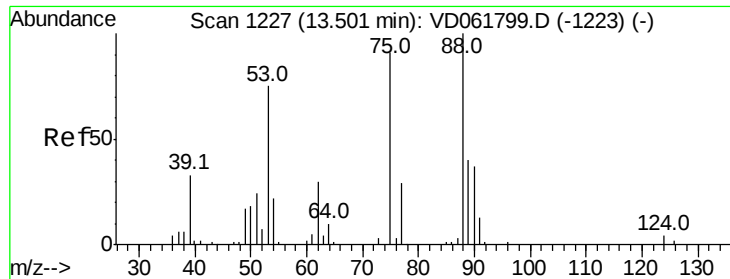
Tot Ion: 91 Resp: 289719
 Ion Ratio Lower Upper
 91 100
 126 39.7 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.823 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Tgt Ion:105 Resp: 364122
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.197 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

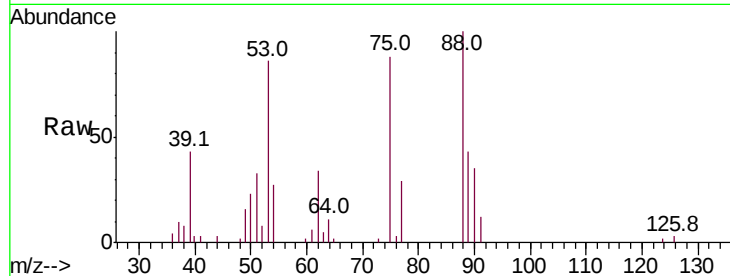
Tot Ion: 75 Resp: 27465

Ion Ratio Lower Upper

75 100

53 97.2 65.8 98.8

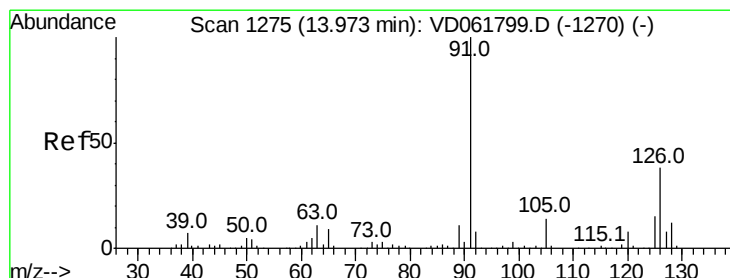
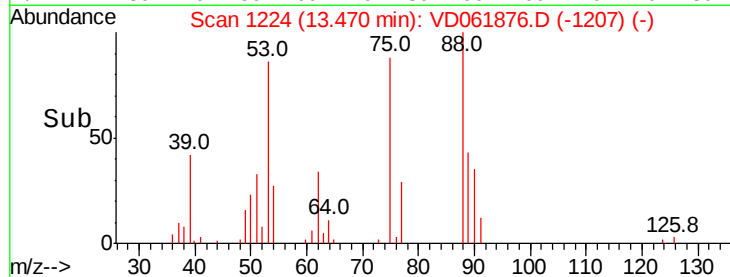
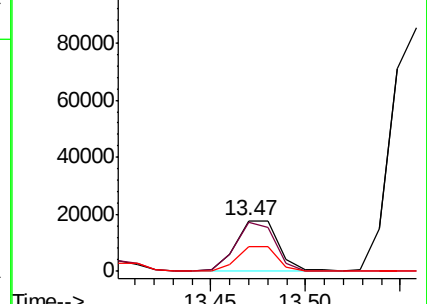
89 48.4 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.285 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VD061876.D

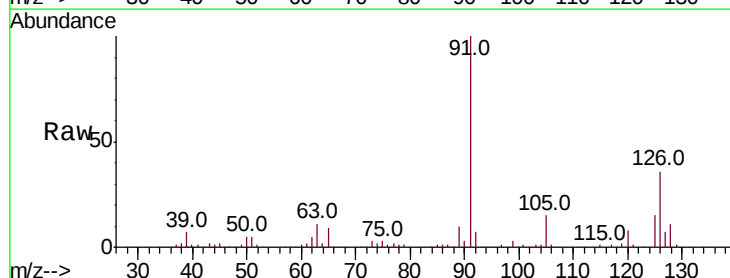
Acq: 18 Apr 2019 16:07

Tgt Ion: 91 Resp: 380649

Ion Ratio Lower Upper

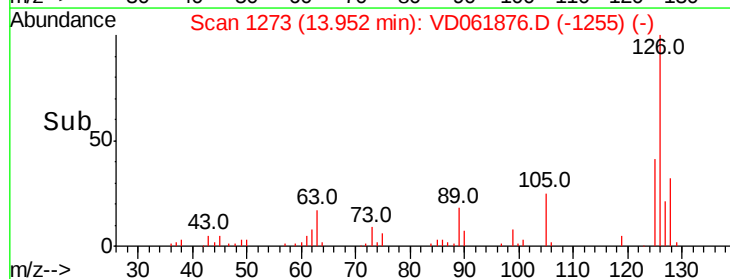
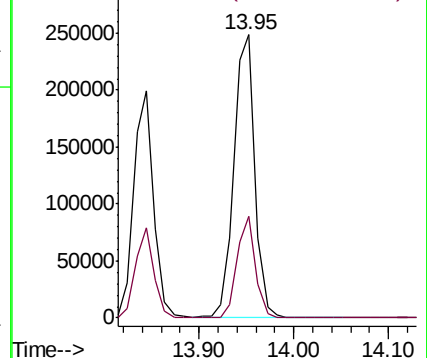
91 100

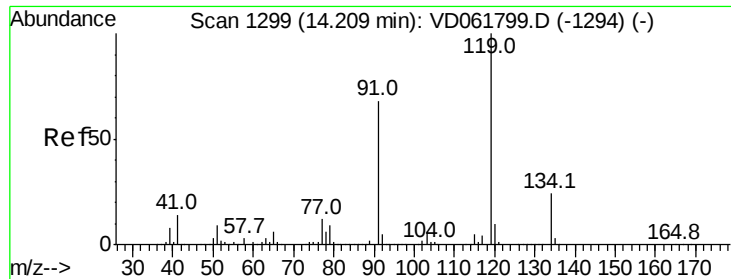
126 36.0 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

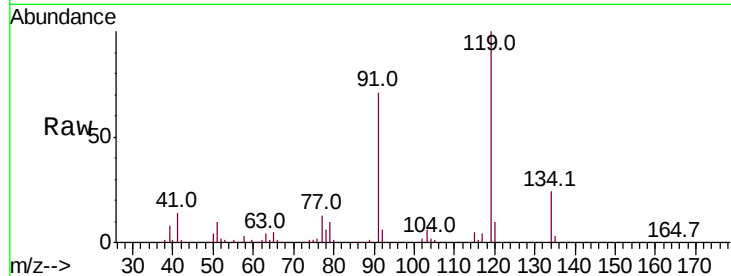




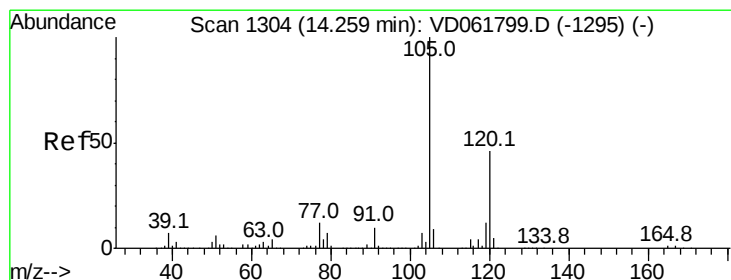
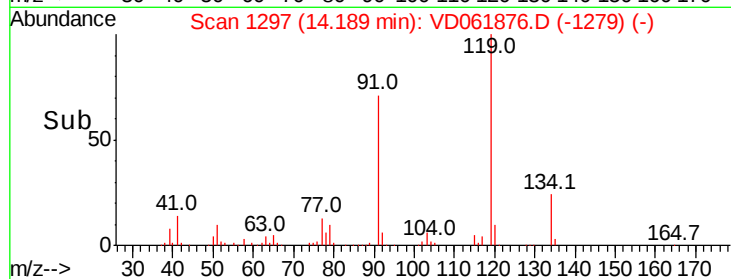
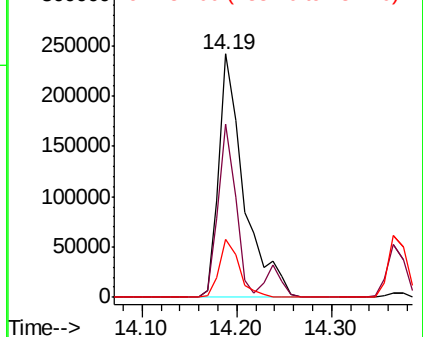
#83
 tert-Butylbenzene
 Concen: 20.840 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS01

Tot Ion:119 Resp: 449464
 Ion Ratio Lower Upper
 119 100
 91 71.0 34.2 102.6
 134 23.9 12.0 36.0

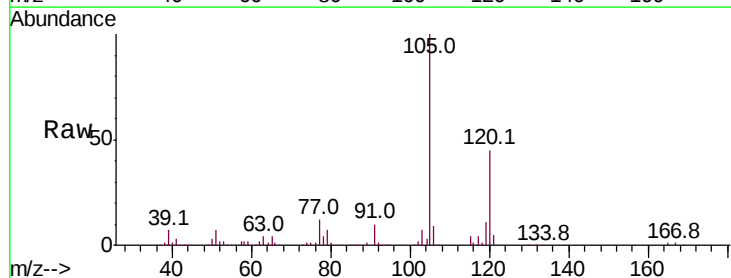


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

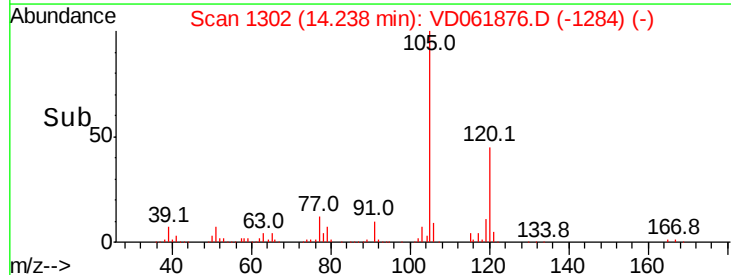
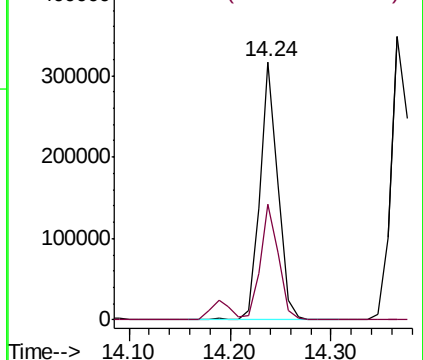


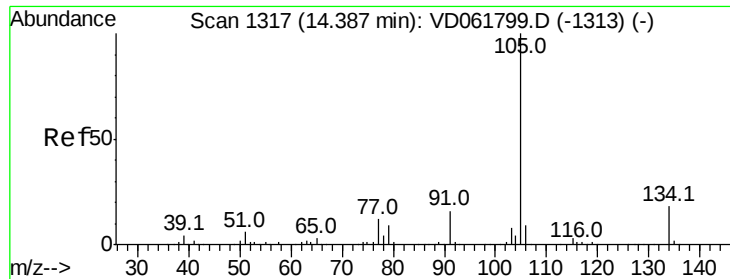
#84
 1,2,4-Trimethylbenzene
 Concen: 21.401 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Tgt Ion:105 Resp: 395149
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 20.295 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

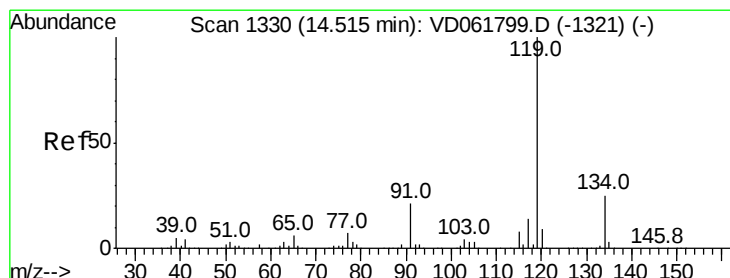
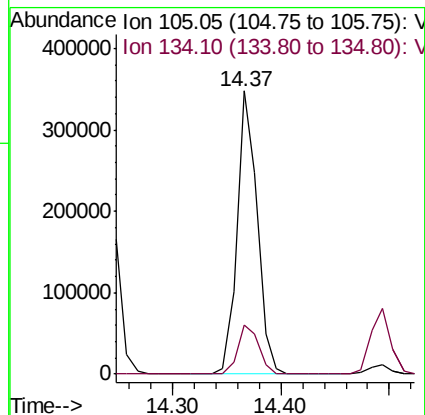
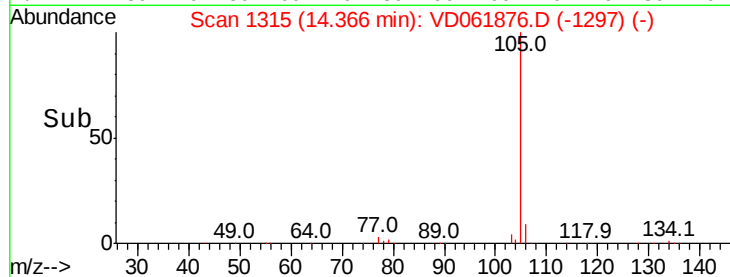
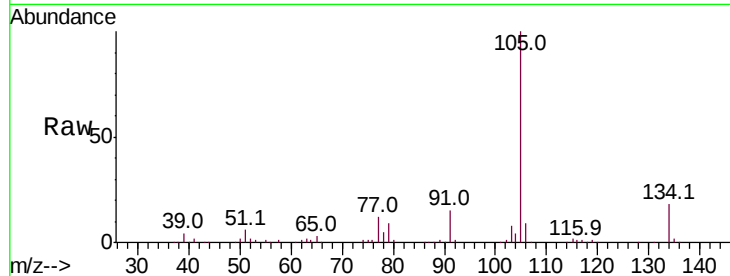
VD0418SBS01

Tot Ion:105 Resp: 452499

Ion Ratio Lower Upper

105 100

134 17.5 8.9 26.7



#86

p-Isopropyltoluene

Concen: 20.185 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. -0.02 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

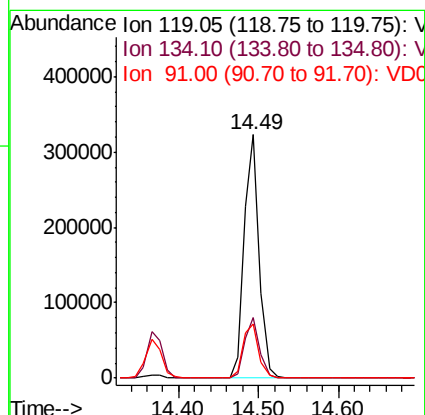
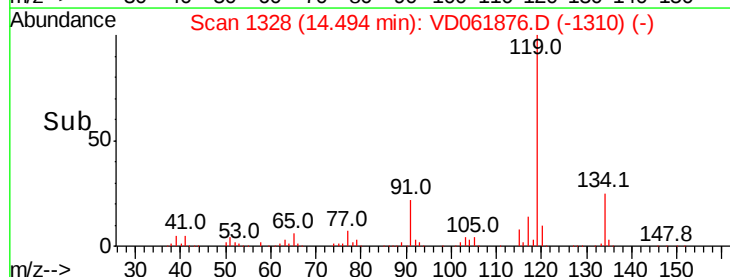
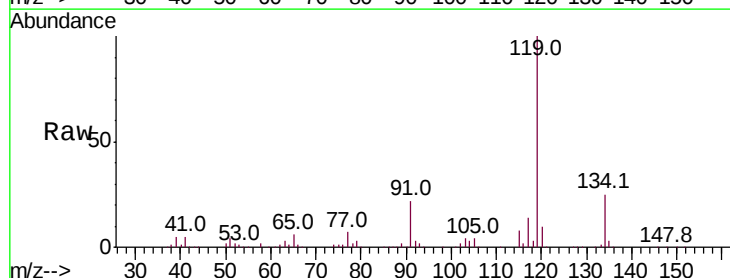
Tgt Ion:119 Resp: 421093

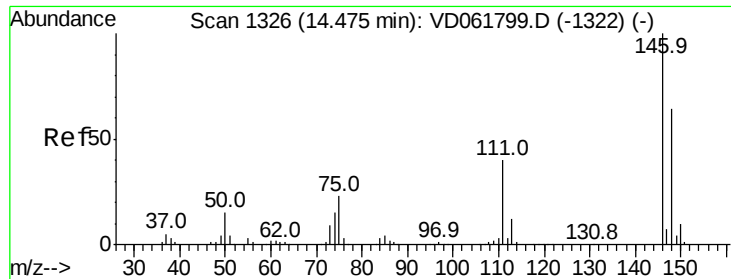
Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

91 22.1 10.7 32.1

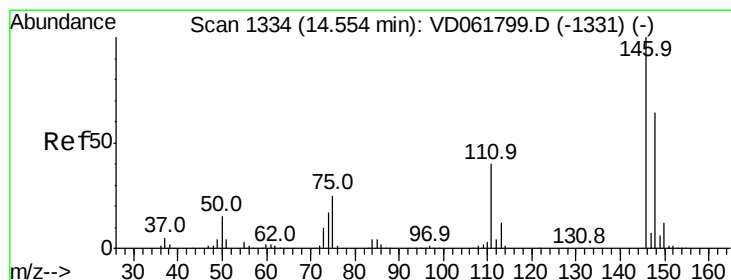
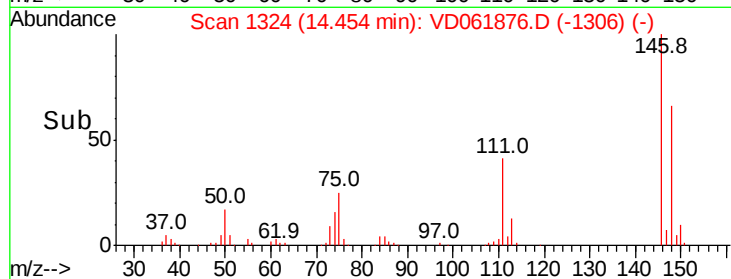
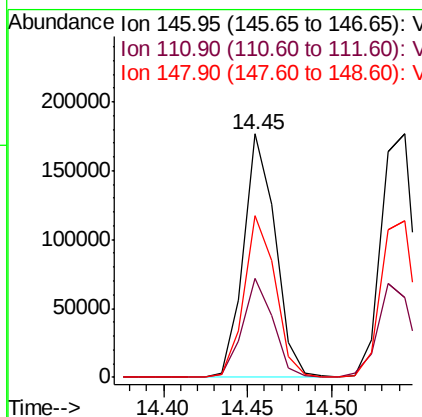
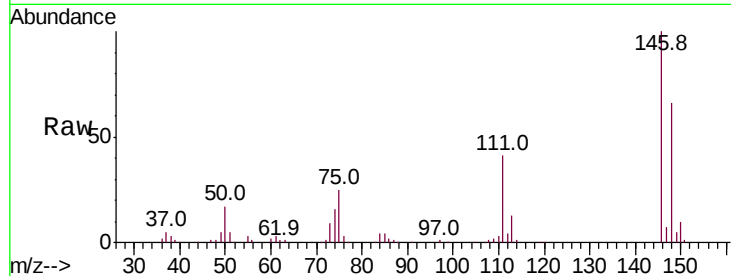




#87
 1,3-Dichlorobenzene
 Concen: 20.160 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

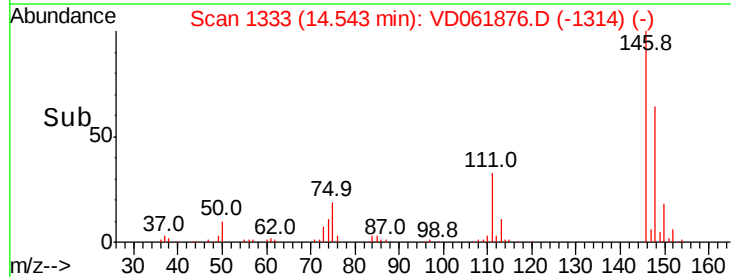
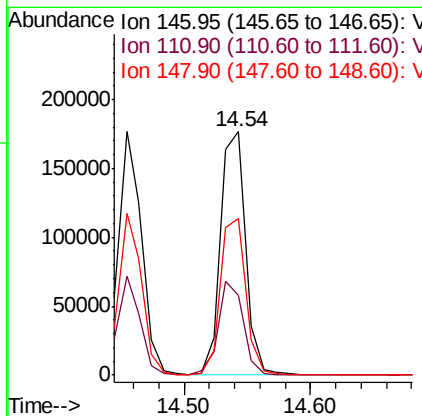
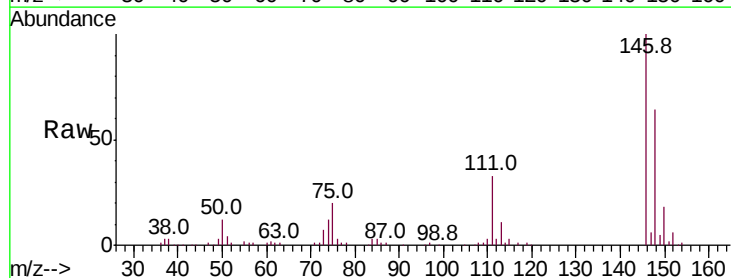
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS01

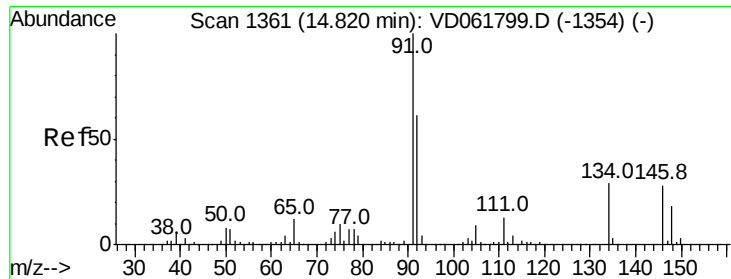
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	60.0
148	66.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.483 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.6	20.2	60.5
148	64.2	32.0	96.2





#89

n-Butylbenzene

Concen: 18.877 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

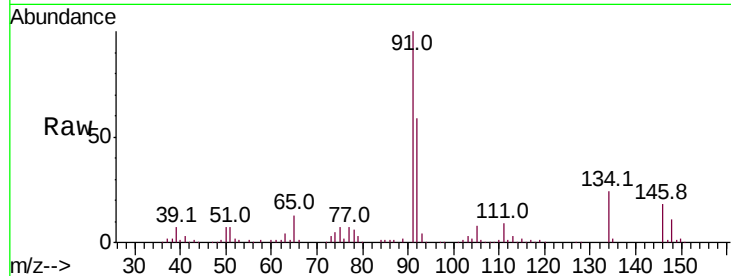
Tot Ion: 91 Resp: 348589

Ion Ratio Lower Upper

91 100

92 58.8 30.3 91.0

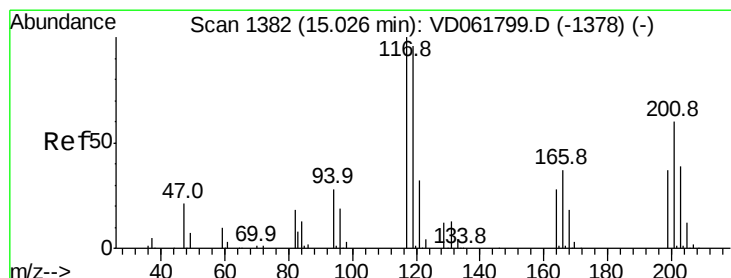
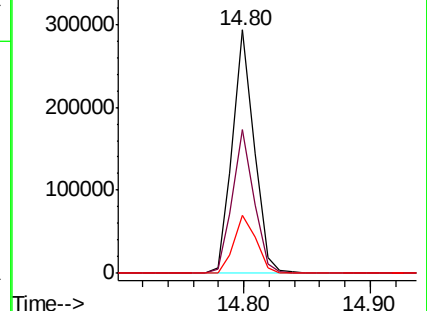
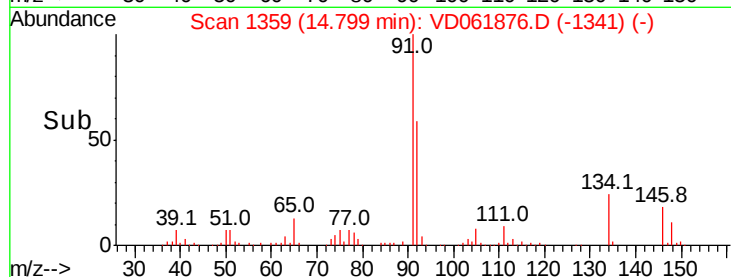
134 23.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.185 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.02 min

Lab File: VD061876.D

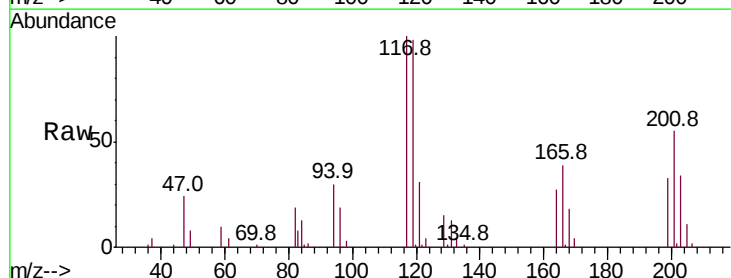
Acq: 18 Apr 2019 16:07

Tgt Ion: 117 Resp: 109084

Ion Ratio Lower Upper

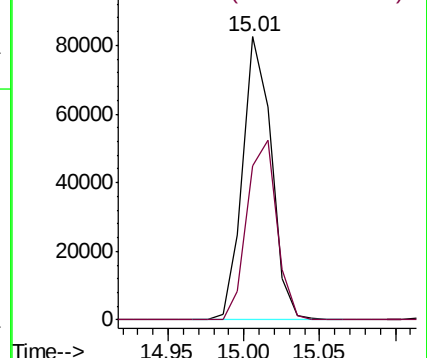
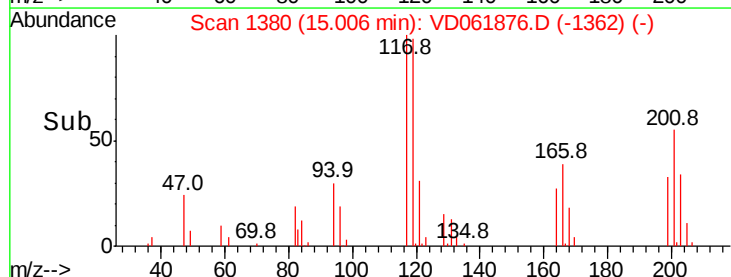
117 100

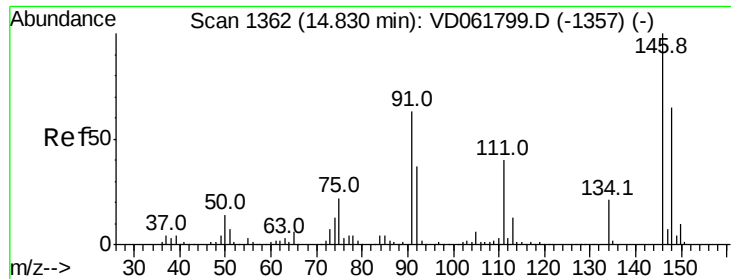
201 54.6 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 19.678 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBSD01

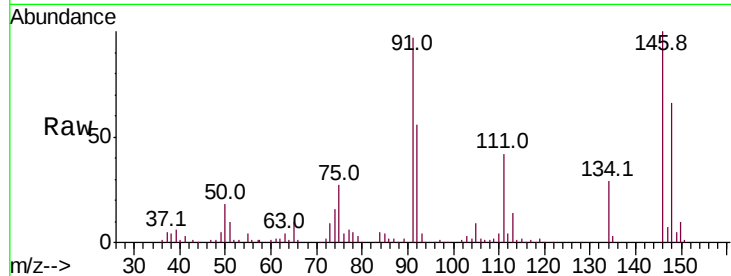
Tot Ion:146 Resp: 189222

Ion Ratio Lower Upper

146 100

111 41.7 20.0 59.9

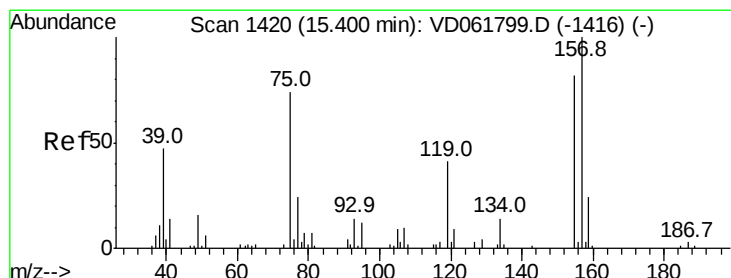
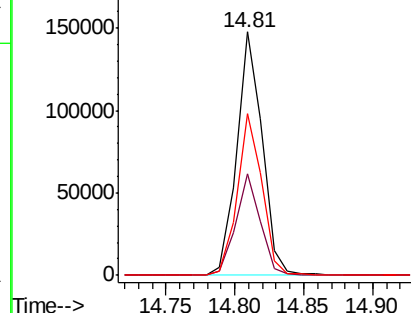
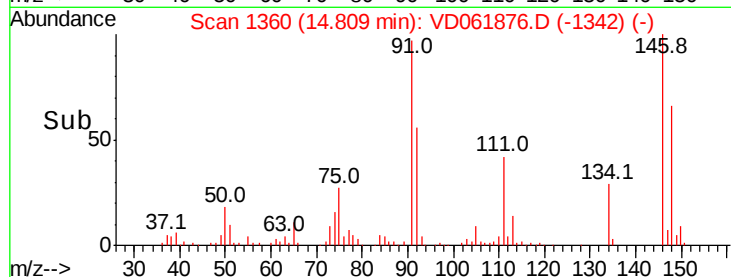
148 66.2 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.899 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. -0.02 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

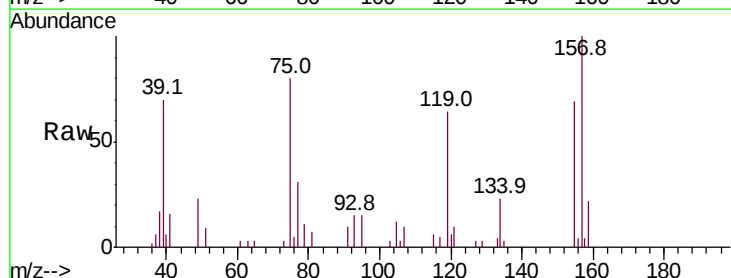
Tgt Ion: 75 Resp: 12722

Ion Ratio Lower Upper

75 100

155 86.7 55.3 165.8

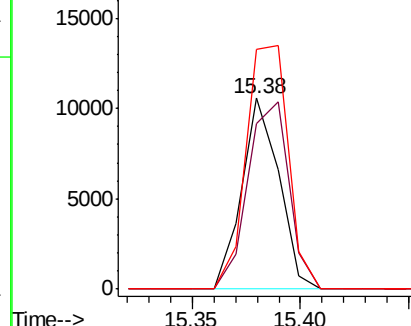
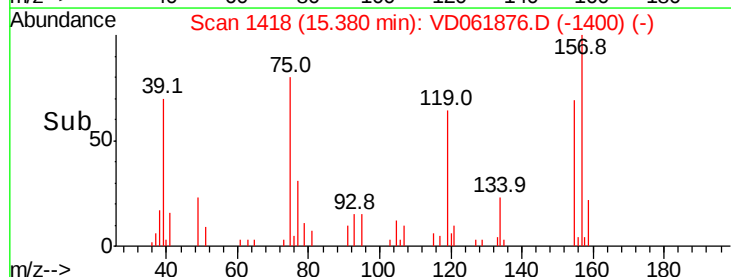
157 125.5 67.8 203.2

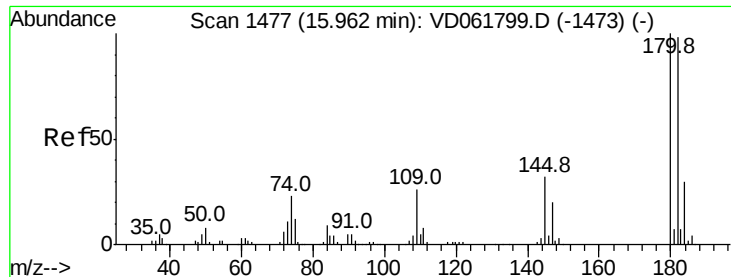


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

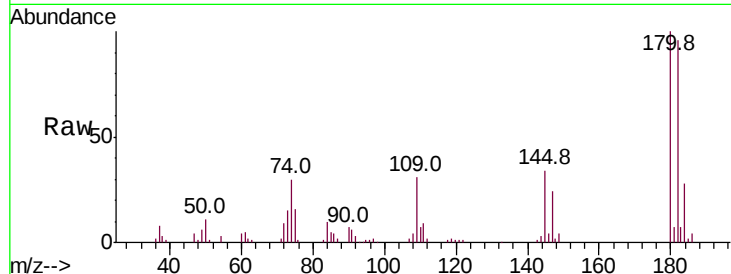




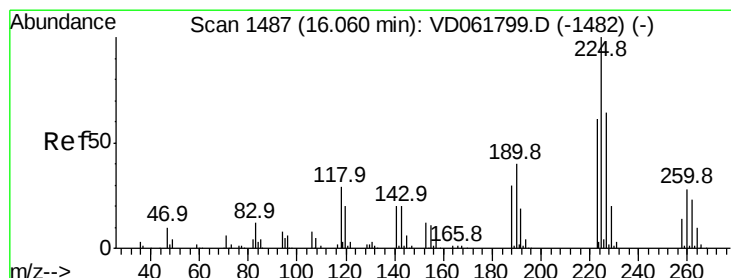
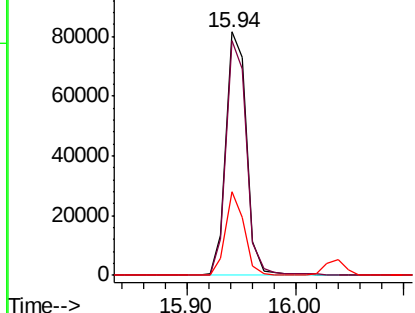
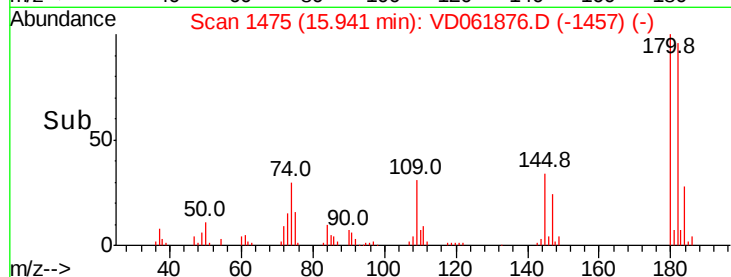
#93
 1,2,4-Trichlorobenzene
 Concen: 20.602 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBSD01

Tot Ion:180 Resp: 108809
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.3 147.8
 145 34.2 16.2 48.6

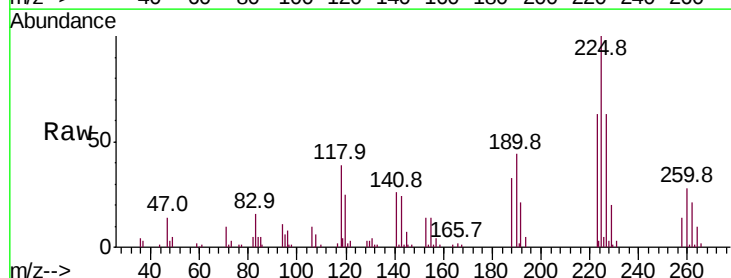


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

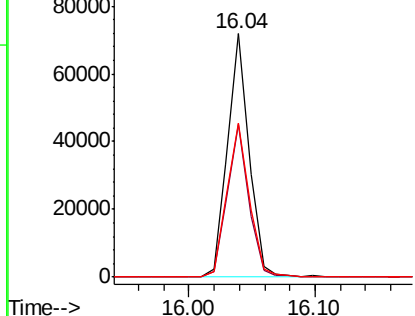
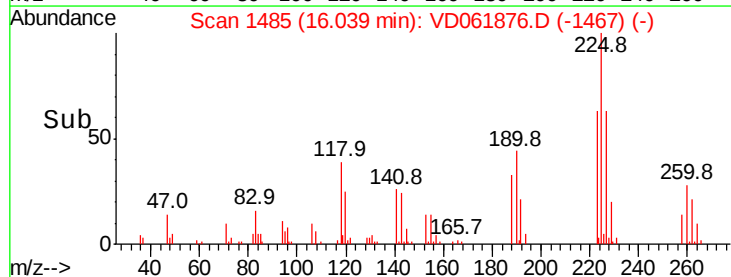


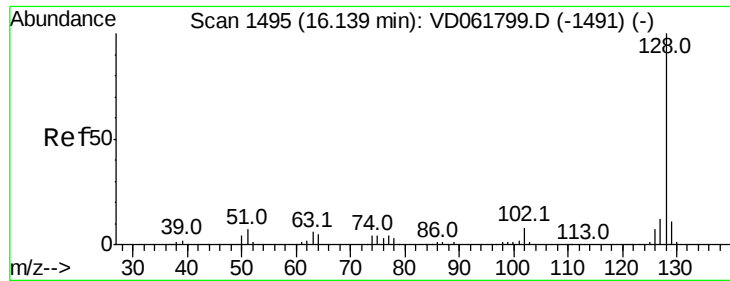
#94
 Hexachlorobutadiene
 Concen: 22.019 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.02 min
 Lab File: VD061876.D
 Acq: 18 Apr 2019 16:07

Tgt Ion:225 Resp: 84276
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.6 92.0
 227 63.1 32.0 96.2



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





#95

Naphthalene

Concen: 23.718 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS01

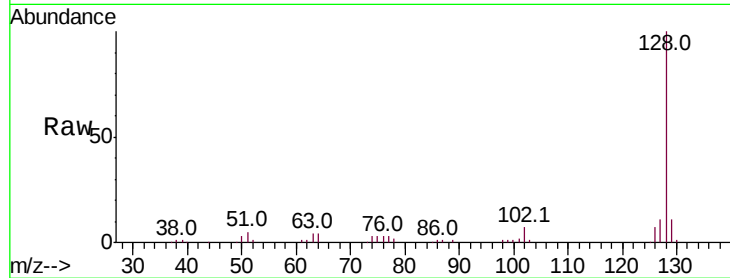
Tot Ion:128 Resp: 192001

Ion Ratio Lower Upper

128 100

127 11.3 9.8 14.8

129 10.7 8.8 13.2

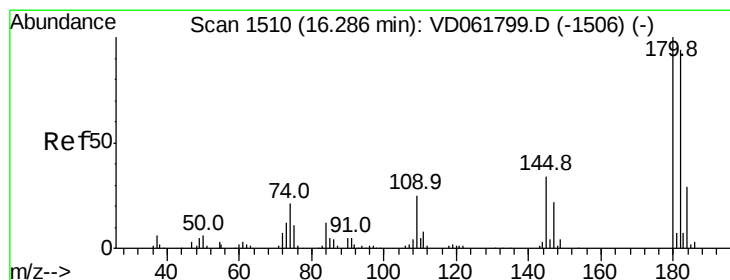
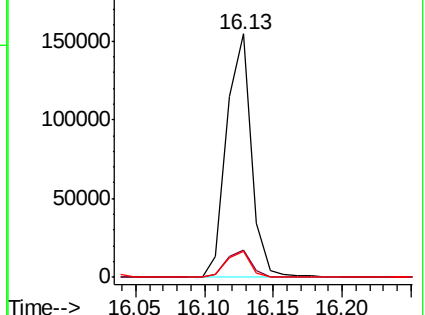
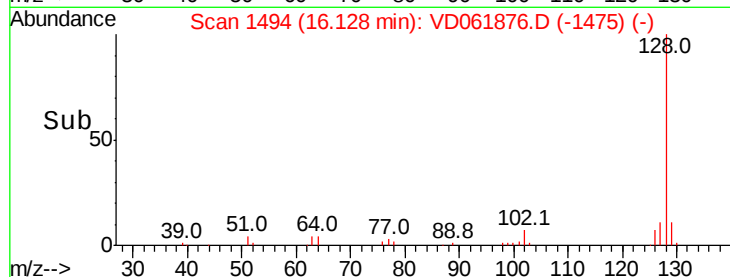


Abundance

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: 22.386 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD061876.D

Acq: 18 Apr 2019 16:07

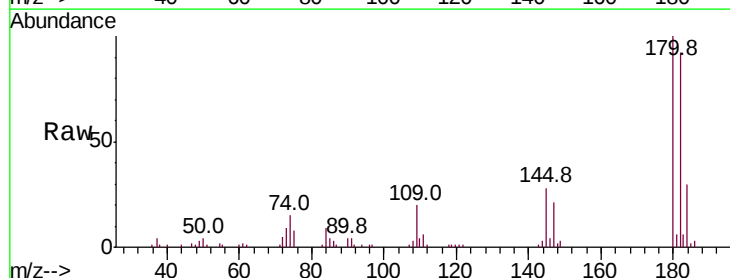
Tgt Ion:180 Resp: 67377

Ion Ratio Lower Upper

180 100

182 92.4 47.0 141.0

145 28.1 17.0 51.0



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

