

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061901.D
 Acq On : 19 Apr 2019 7:23
 Operator : VA/AP
 Sample : K2441-02
 Misc : 6.34g/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-18-S2

Quant Time: Apr 19 08:03:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	85886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	162803	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	136381	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	53432	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	82677	114.86	ug/l	0.01
Spiked Amount			Recovery	=	229.72%	
35) Dibromofluoromethane	6.93	113	92548	75.24	ug/l	0.01
Spiked Amount			Recovery	=	150.48%	
50) Toluene-d8	10.42	98	173212	59.43	ug/l	0.01
Spiked Amount			Recovery	=	118.86%	
62) 4-Bromofluorobenzene	13.56	95	64839	54.89	ug/l	0.00
Spiked Amount			Recovery	=	109.78%	

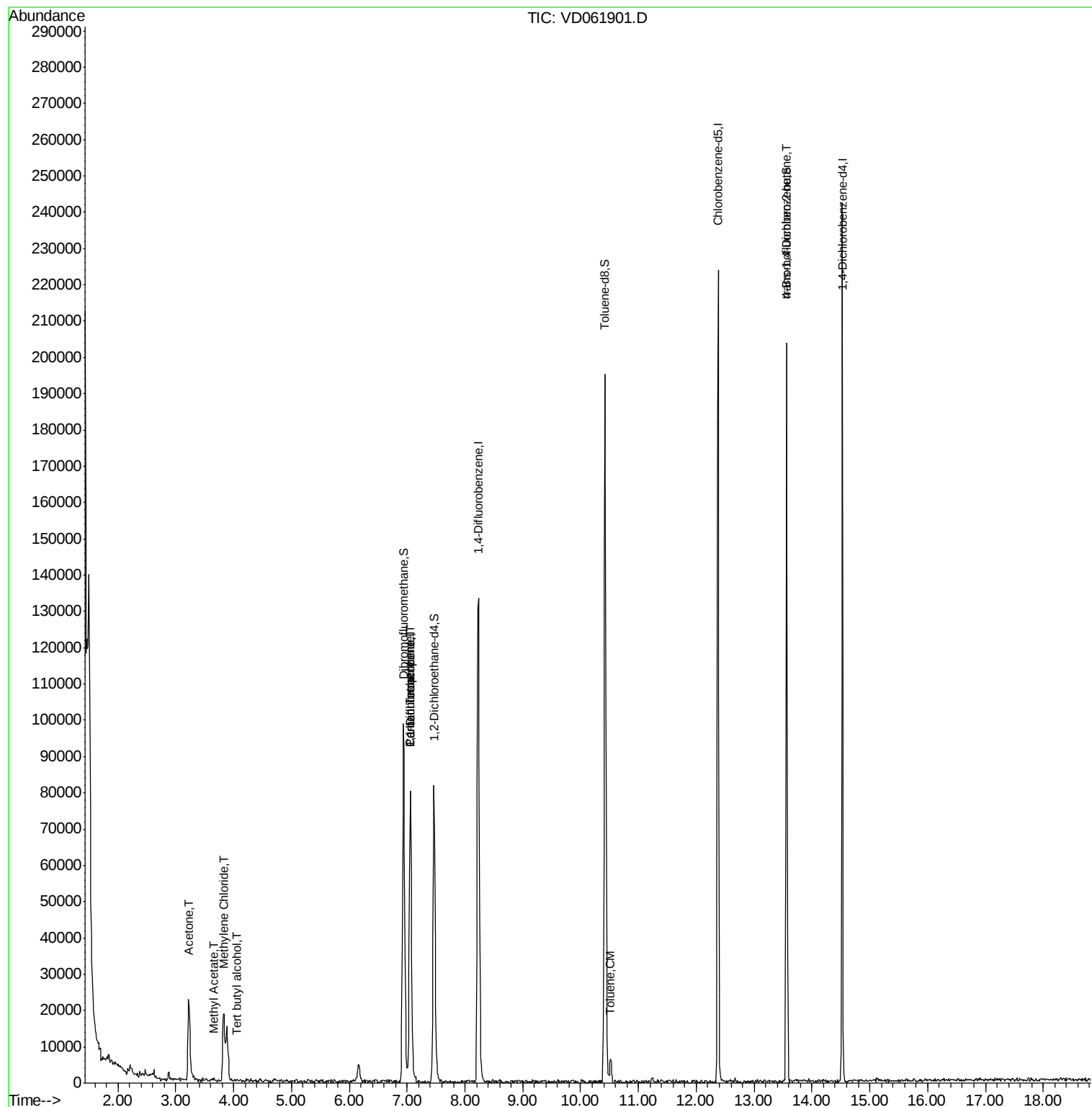
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	199	Below Cal	#	12
11) Tert butyl alcohol	4.06	59	232	5.465	ug/l #	76
16) Acetone	3.22	43	44030	248.189	ug/l	99
18) Methyl Acetate	3.66	43	1251	3.518	ug/l #	53
20) Methylene Chloride	3.82	84	13512	11.820	ug/l	94
36) 1,1-Dichloropropene	7.06	75	5794	4.355	ug/l #	40
38) Carbon Tetrachloride	7.06	117	8593	5.115	ug/l #	12
52) Toluene	10.53	92	4676	2.285	ug/l #	64
81) trans-1,4-Dichloro-2-buten	13.56	75	23253	98.767	ug/l #	16

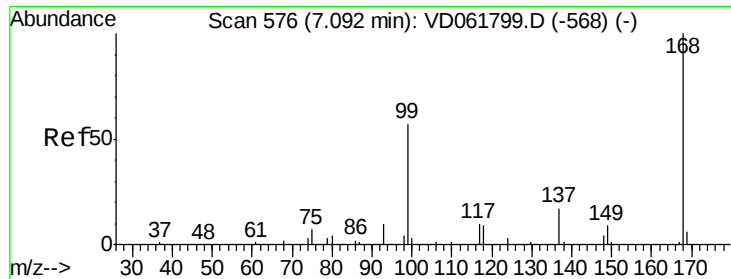
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041819\
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

Instrument :

MSVOA_D

ClientSampleId :

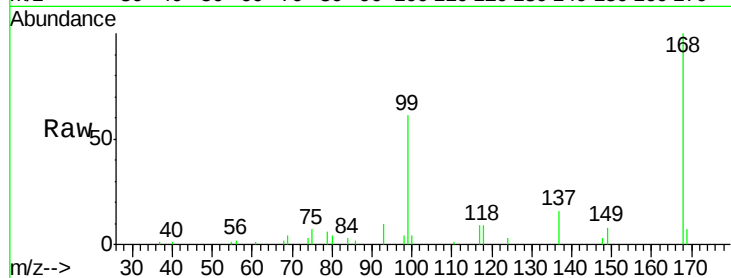
TP-18-S2

Tot Ion:168 Resp: 85886

Ion Ratio Lower Upper

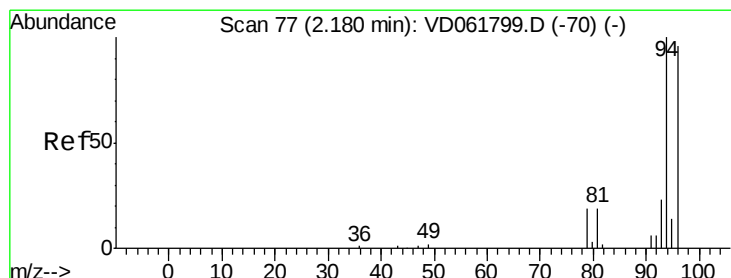
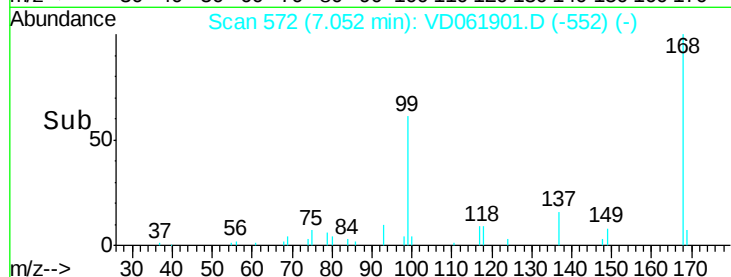
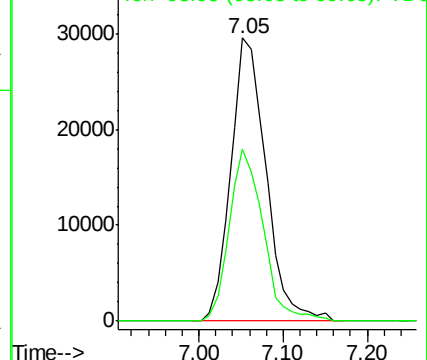
168 100

99 60.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

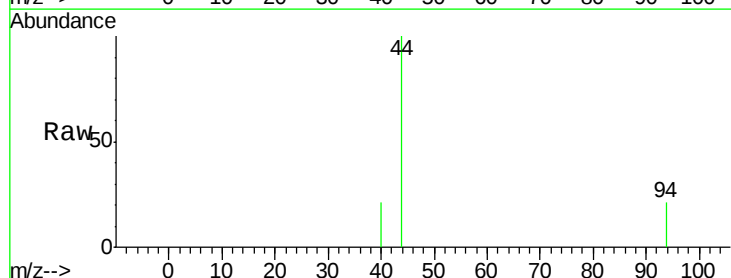
Tgt Ion: 94 Resp: 199

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

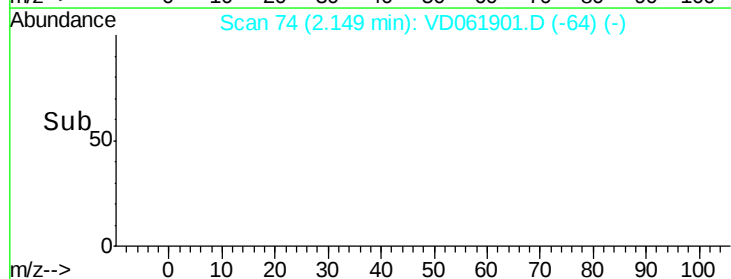
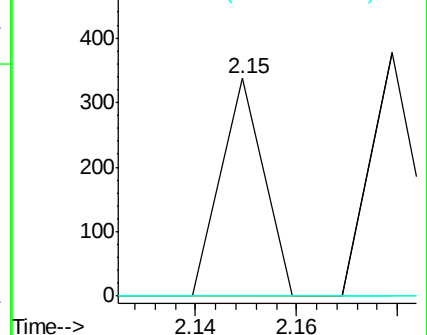
93 0.0 18.5 27.7#

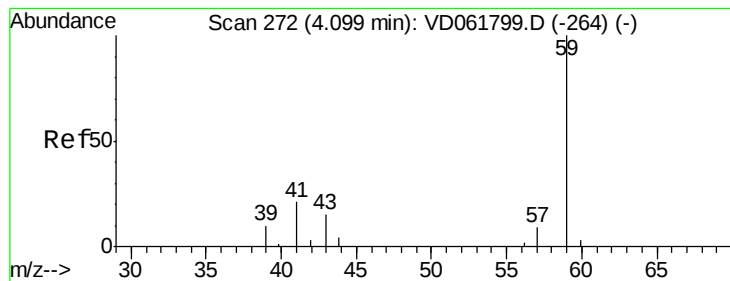


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



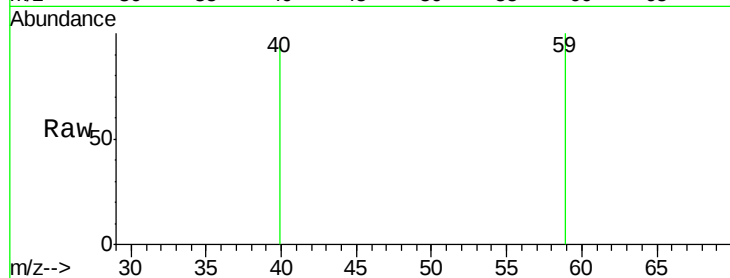


#11

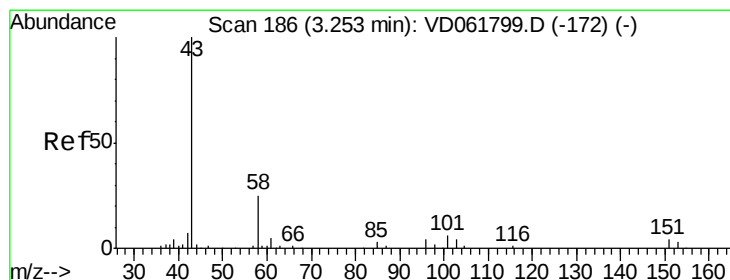
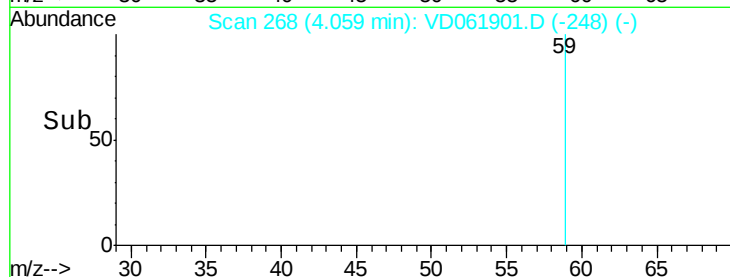
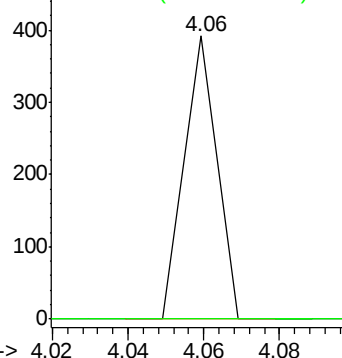
Tert butyl alcohol
 Concen: 5.465 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD061901.D
 Acq: 19 Apr 2019 7:23

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-18-S2

Tot Ion: 59 Resp: 232
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



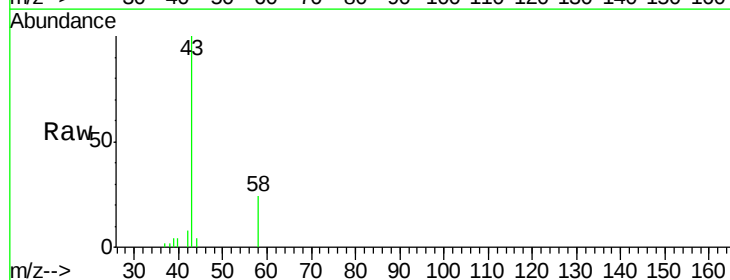
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



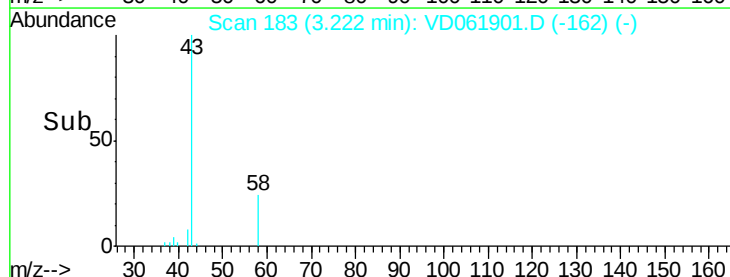
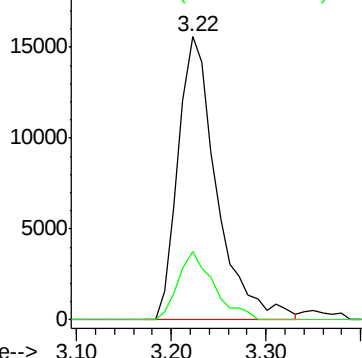
#16

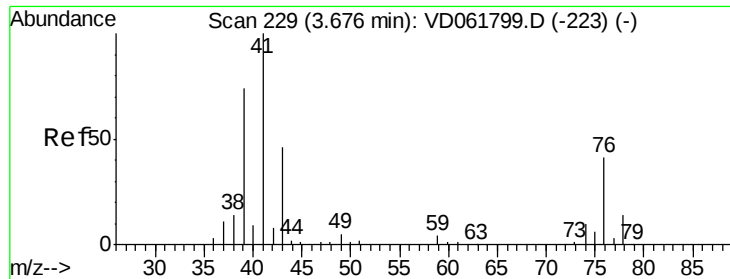
Acetone
 Concen: 248.189 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD061901.D
 Acq: 19 Apr 2019 7:23

Tgt Ion: 43 Resp: 44030
 Ion Ratio Lower Upper
 43 100
 58 24.2 19.9 29.9



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

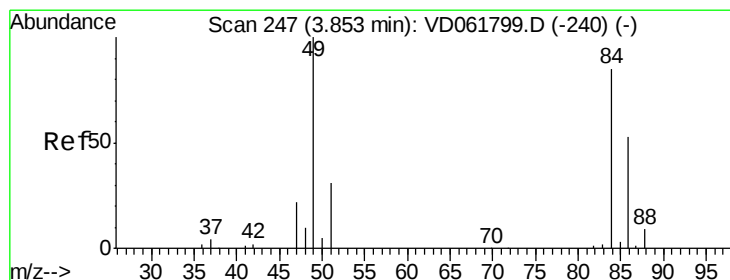
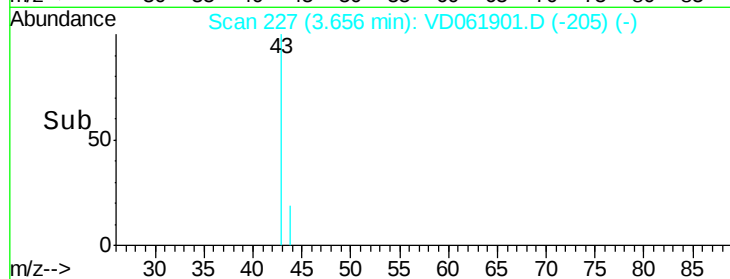
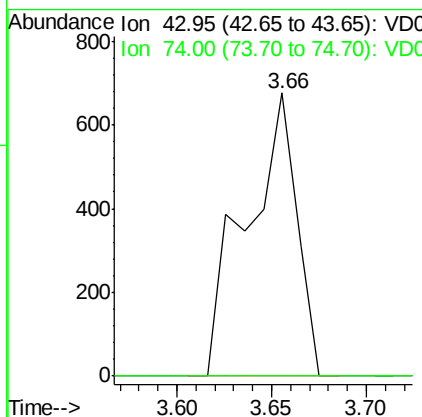
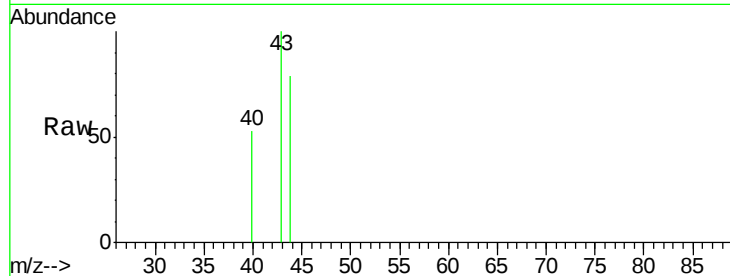




#18
Methvl Acetate
Concen: 3.518 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD061901.D
Acq: 19 Apr 2019 7:23

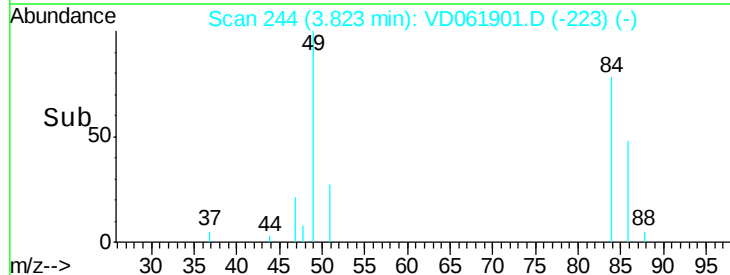
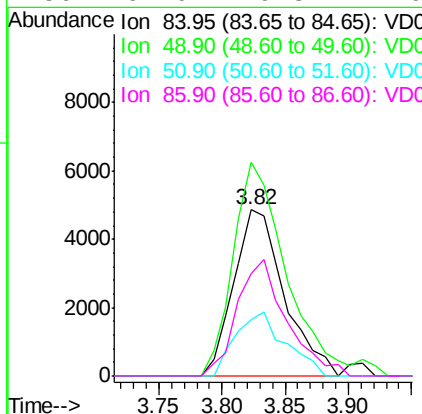
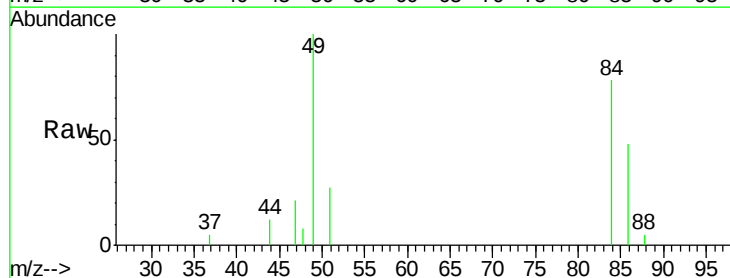
Instrument :
MSVOA_D
ClientSampleId :
TP-18-S2

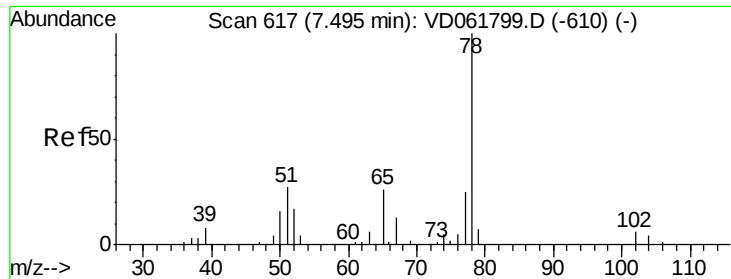
Tot Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 11.820 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061901.D
Acq: 19 Apr 2019 7:23

Tgt Ion: 84 Resp: 13512
Ion Ratio Lower Upper
84 100
49 128.8 94.0 141.0
51 34.3 29.0 43.4
86 61.9 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

Instrument :

MSVOA_D

ClientSampleId :

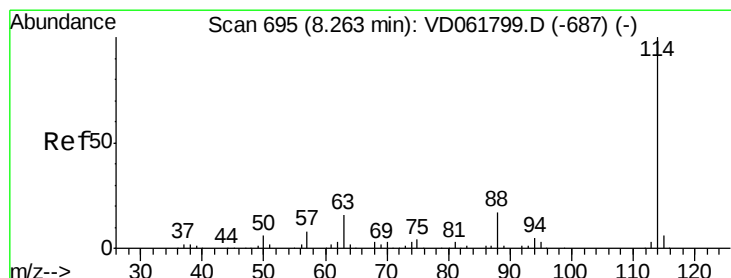
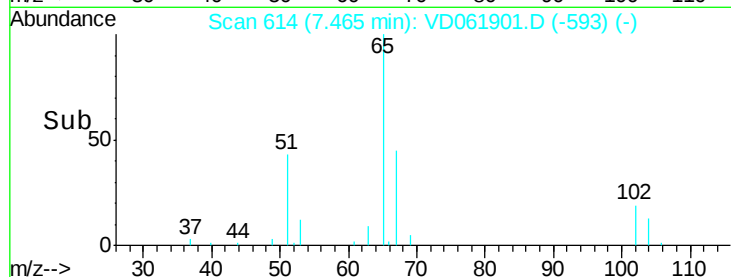
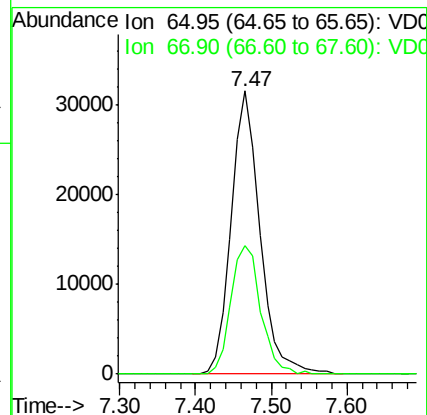
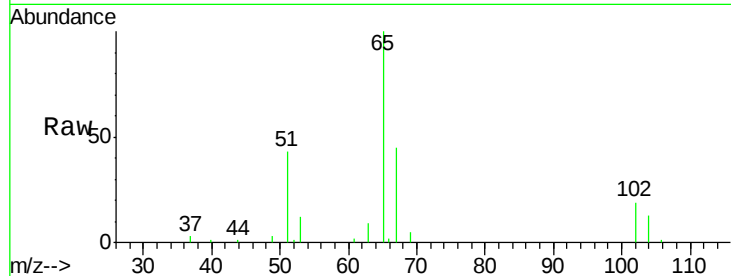
TP-18-S2

Tot Ion: 65 Resp: 82677

Ion Ratio Lower Upper

65 100

67 45.2 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

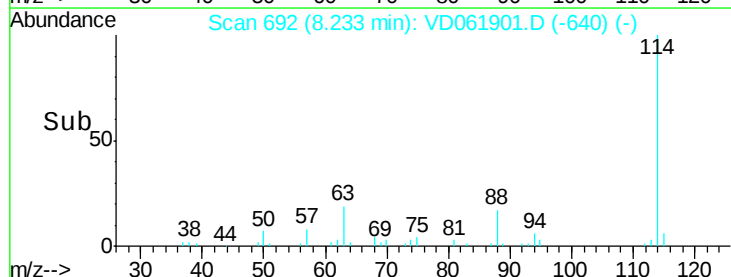
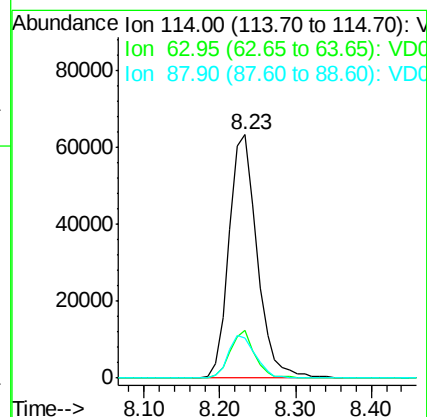
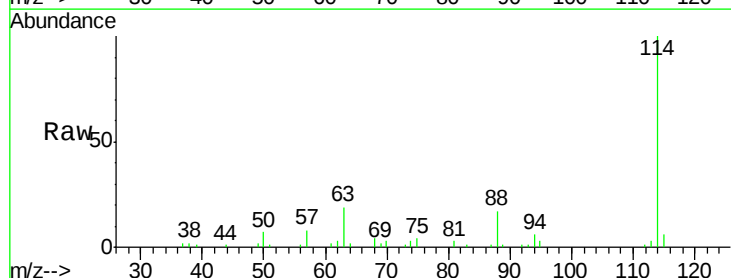
Tgt Ion: 114 Resp: 162803

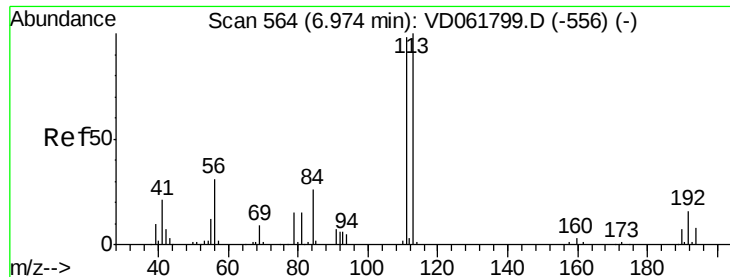
Ion Ratio Lower Upper

114 100

63 19.4 0.0 32.4

88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

Instrument :

MSVOA_D

ClientSampleId :

TP-18-S2

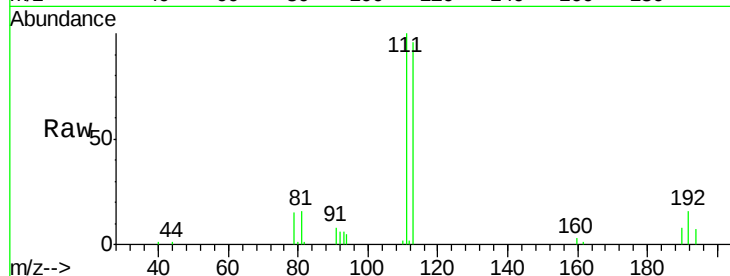
Tot Ion:113 Resp: 92548

Ion Ratio Lower Upper

113 100

111 103.6 78.5 117.7

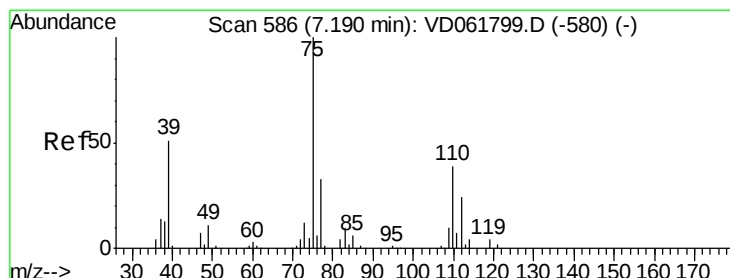
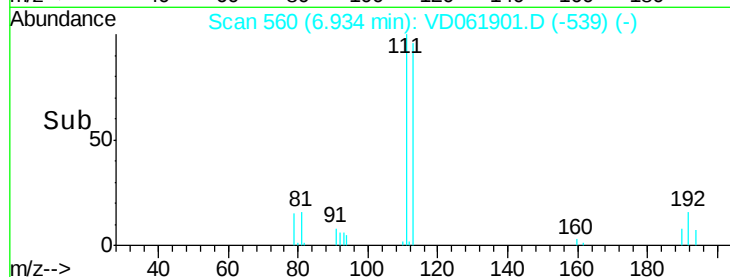
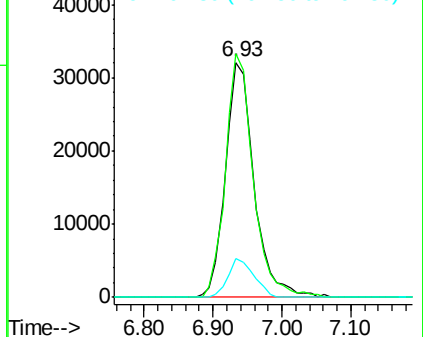
192 16.4 13.0 19.4



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: 4.355 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.09 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

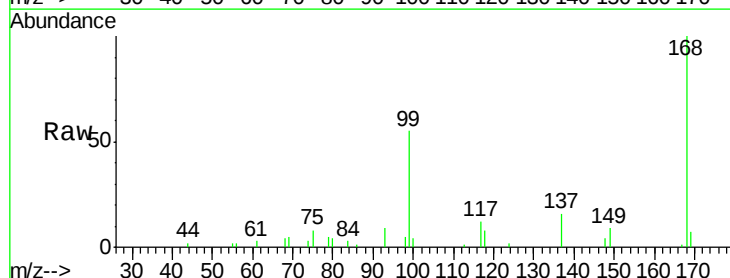
Tgt Ion: 75 Resp: 5794

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

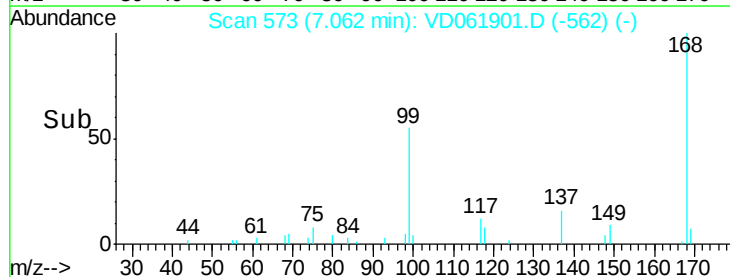
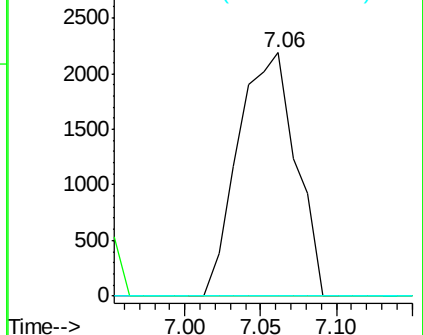
77 0.0 25.6 38.4#

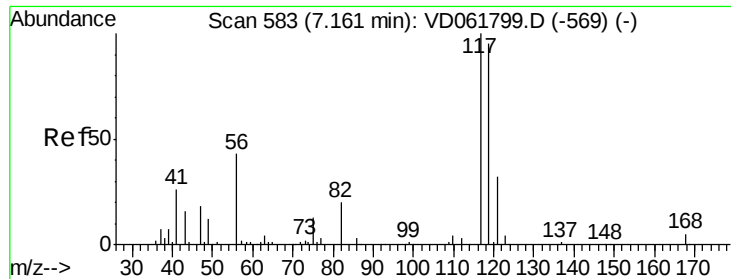


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.115 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

Instrument :

MSVOA_D

ClientSampleId :

TP-18-S2

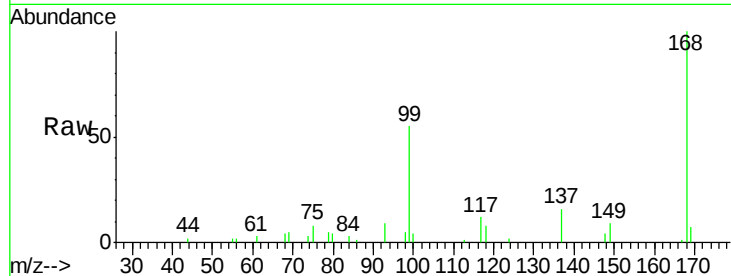
Tot Ion:117 Resp: 8593

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

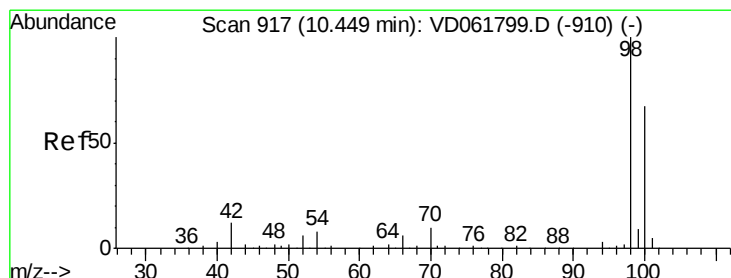
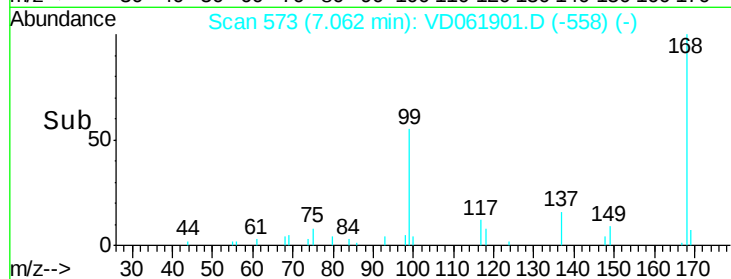
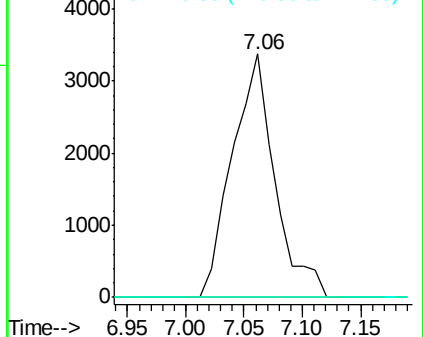
121 0.0 25.9 38.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061901.D

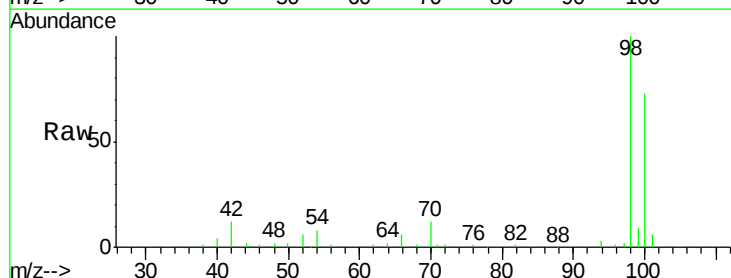
Acq: 19 Apr 2019 7:23

Tgt Ion: 98 Resp: 173212

Ion Ratio Lower Upper

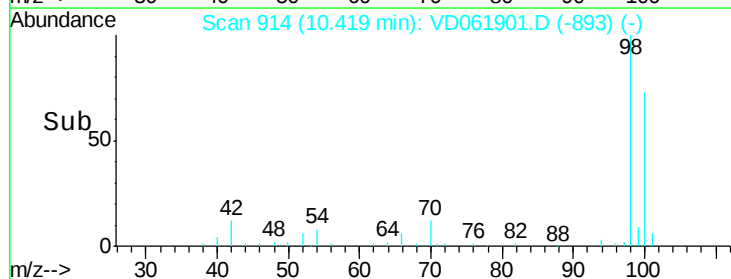
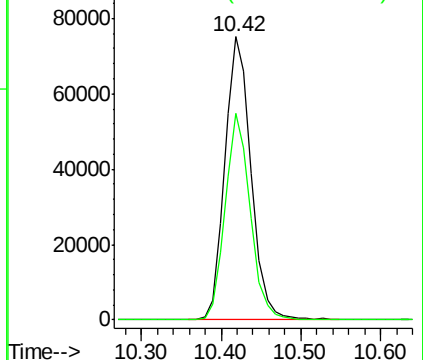
98 100

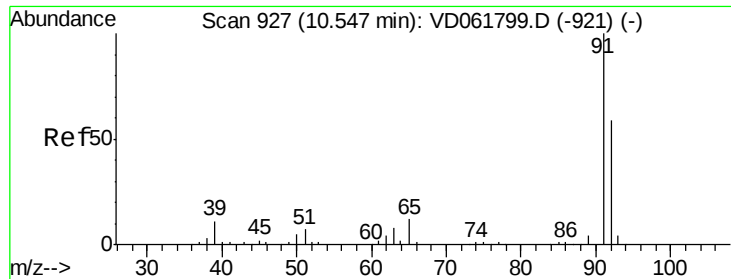
100 73.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 2.285 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

Instrument :

MSVOA_D

ClientSampleId :

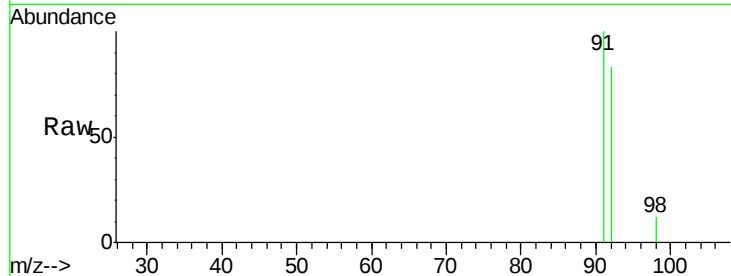
TP-18-S2

Tot Ion: 92 Resp: 4676

Ion Ratio Lower Upper

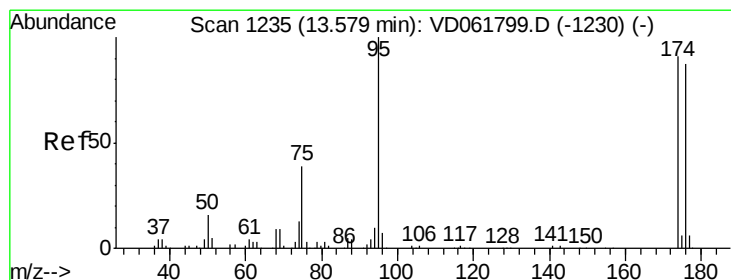
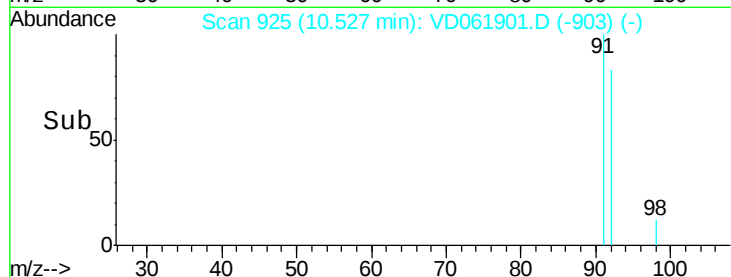
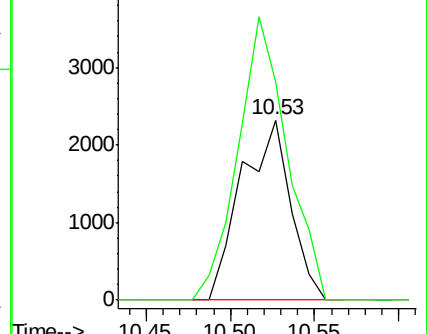
92 100

91 120.7 136.6 204.8#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

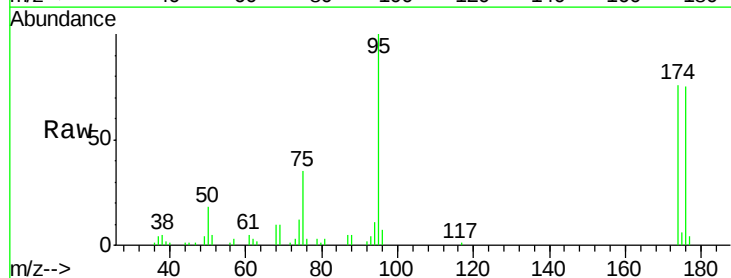
Tgt Ion: 95 Resp: 64839

Ion Ratio Lower Upper

95 100

174 75.8 0.0 181.8

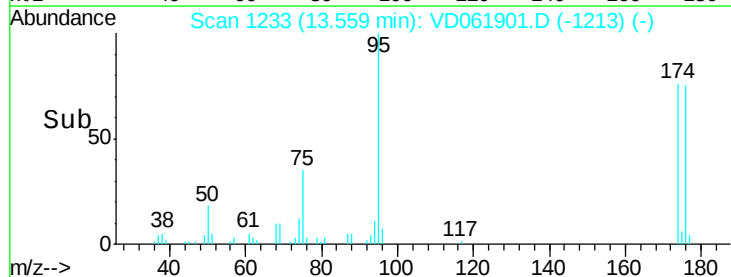
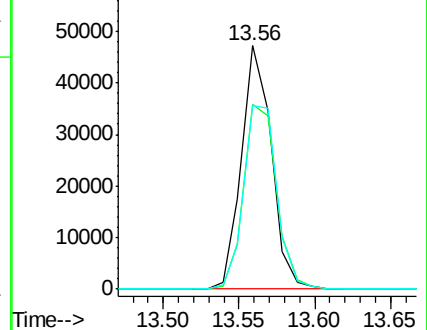
176 75.2 0.0 174.4

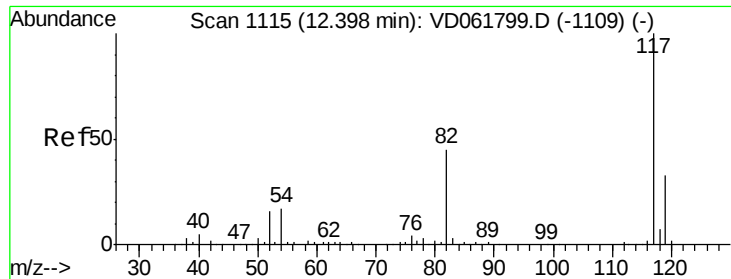


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

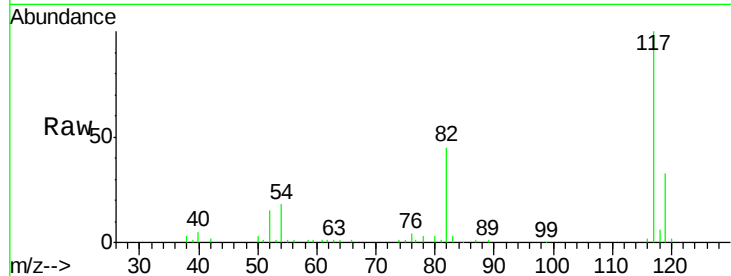




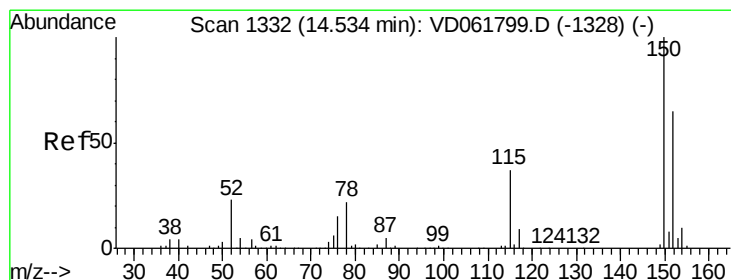
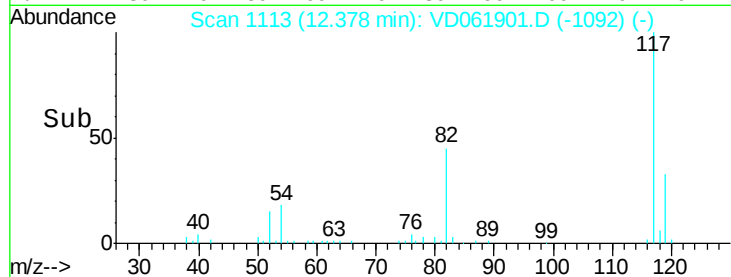
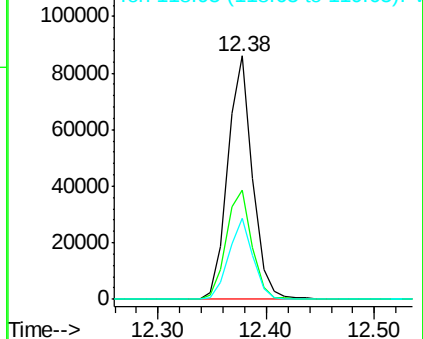
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061901.D
Acq: 19 Apr 2019 7:23

Instrument :
MSVOA_D
ClientSampleId :
TP-18-S2

Tot Ion:117 Resp: 136381
Ion Ratio Lower Upper
117 100
82 45.0 36.2 54.2
119 33.3 26.2 39.4

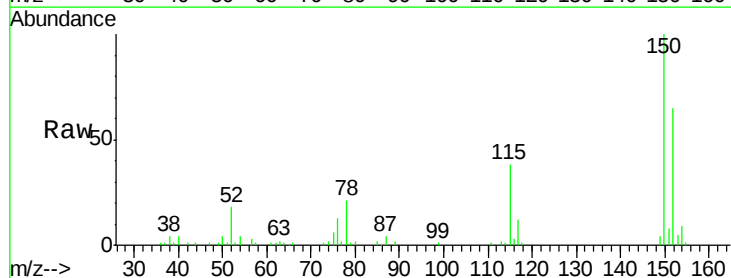


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

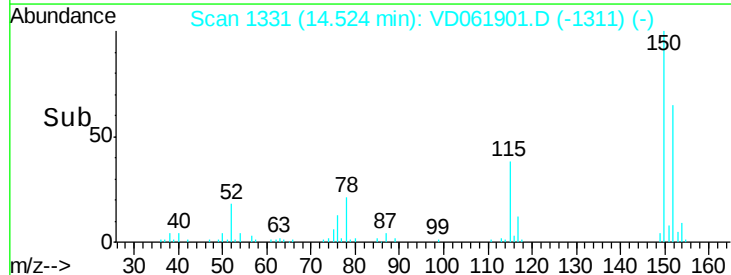
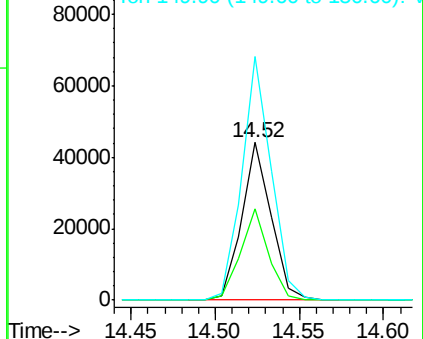


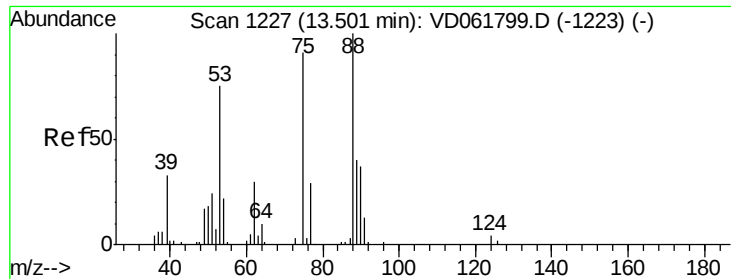
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061901.D
Acq: 19 Apr 2019 7:23

Tgt Ion:152 Resp: 53432
Ion Ratio Lower Upper
152 100
115 58.2 30.9 92.7
150 154.7 0.0 314.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 98.767 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061901.D

Acq: 19 Apr 2019 7:23

Instrument :

MSVOA_D

ClientSampleId :

TP-18-S2

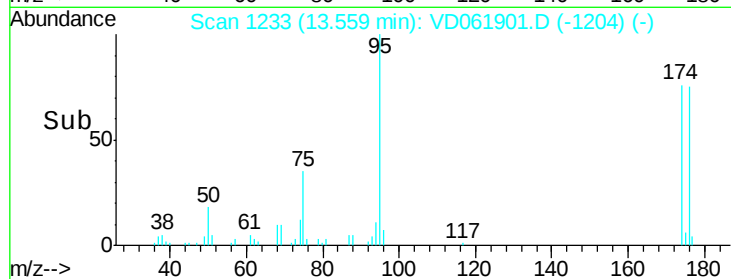
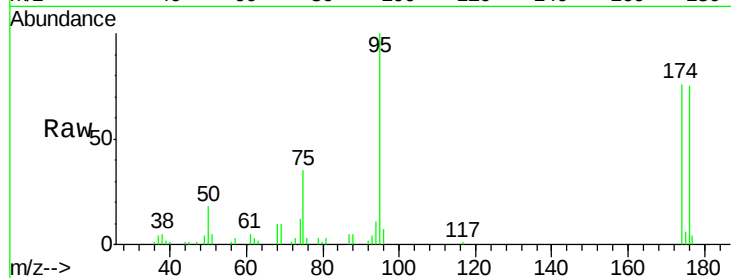
Tot Ion: 75 Resp: 23253

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 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

