

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD061995.D
 Acq On : 24 Apr 2019 13:57
 Operator : VA/AP
 Sample : K2522-07
 Misc : 6.25g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 09:09:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	23812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	52073	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	55465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	23188	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	23352	125.30	ug/l	0.00
Spiked Amount			Recovery	=	250.60%	
35) Dibromofluoromethane	6.93	113	25575	71.02	ug/l	0.00
Spiked Amount			Recovery	=	142.04%	
50) Toluene-d8	10.42	98	44146	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	13.56	95	21540	62.67	ug/l	0.00
Spiked Amount			Recovery	=	125.34%	

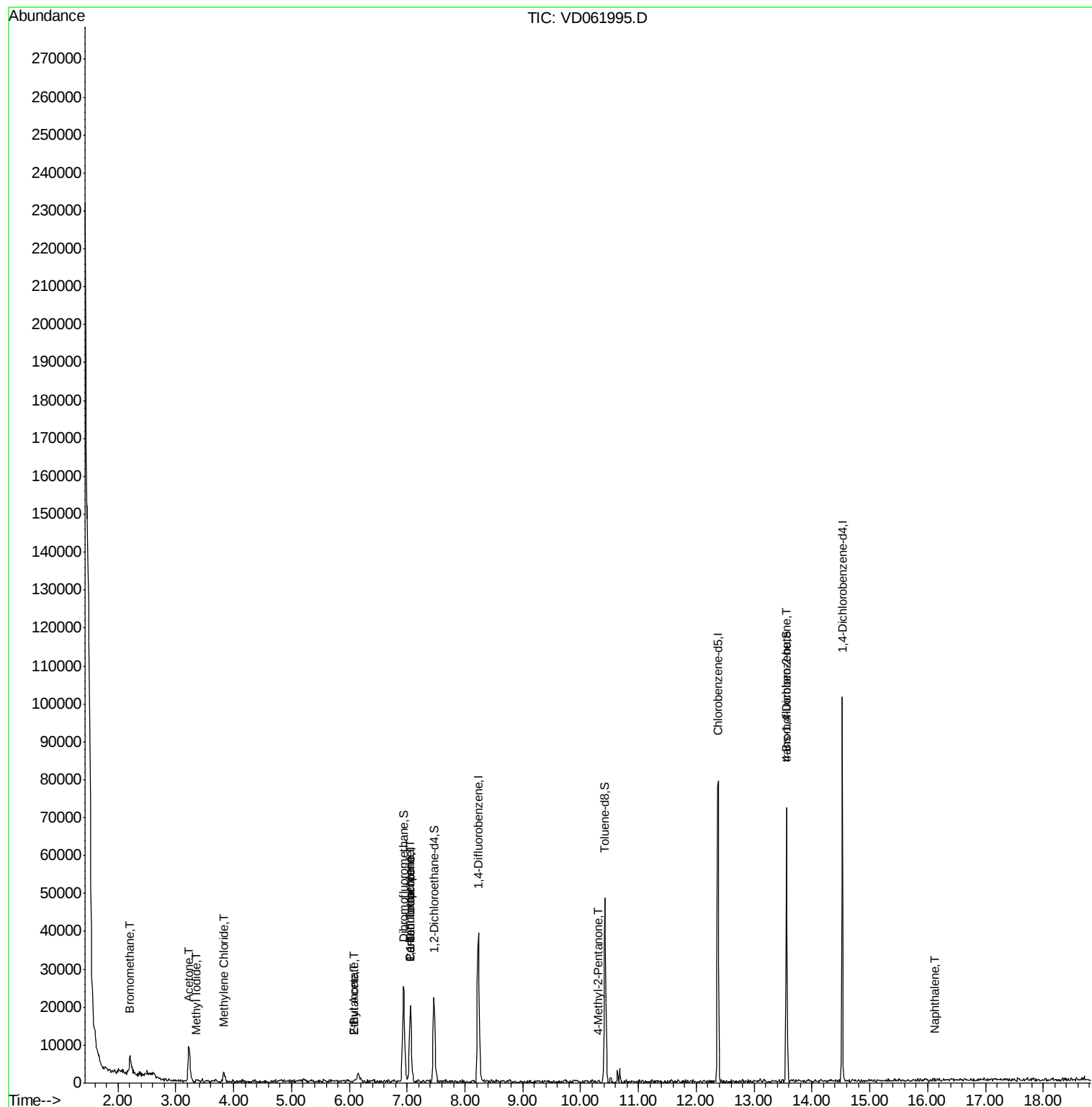
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	693	13.694	ug/l #	12
10) Methyl Iodide	3.36	142	406	6.470	ug/l #	37
16) Acetone	3.22	43	17968	403.787	ug/l	93
20) Methylene Chloride	3.83	84	1940	6.159	ug/l #	72
25) 2-Butanone	6.08	43	767	14.217	ug/l #	56
36) 1,1-Dichloropropene	7.05	75	1247	3.074	ug/l #	40
37) Ethyl Acetate	6.08	43	767	4.436	ug/l #	64
38) Carbon Tetrachloride	7.06	117	1851	3.601	ug/l #	12
51) 4-Methyl-2-Pentanone	10.31	43	806	5.217	ug/l #	37
81) trans-1,4-Dichloro-2-buten	13.56	75	8447	94.665	ug/l #	16
95) Naphthalene	16.13	128	789	1.413	ug/l #	70

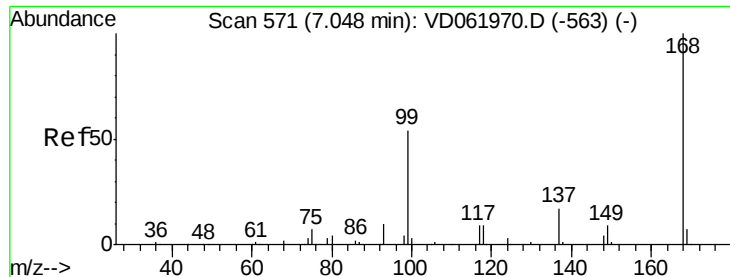
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\
Data File : VD061995.D
Acq On : 24 Apr 2019 13:57
Operator : VA/AP
Sample : K2522-07
Misc : 6.25g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 25 09:09:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 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: VD061995.D

Acq: 24 Apr 2019 13:57

Instrument :

MSVOA_D

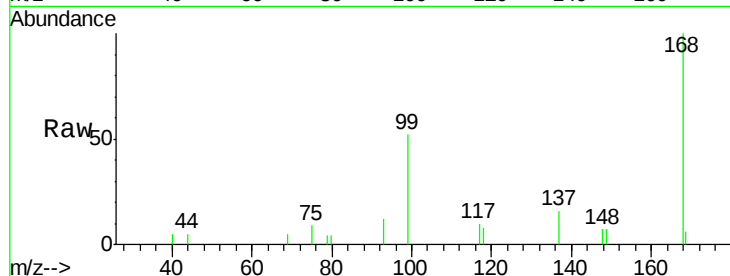
ClientSampleId :

Tot Ion:168 Resp: 23812

Ion Ratio Lower Upper

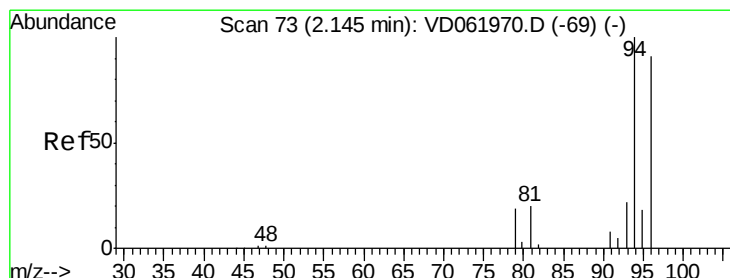
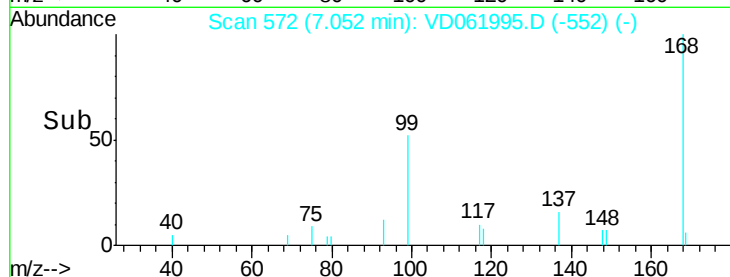
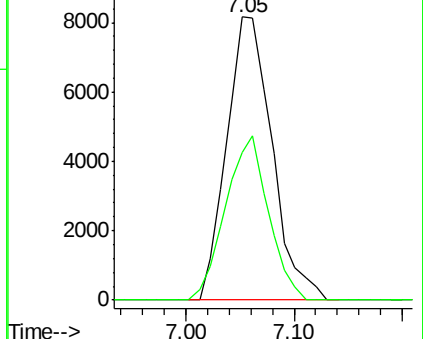
168 100

99 52.4 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: 13.694 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.03 min

Lab File: VD061995.D

Acq: 24 Apr 2019 13:57

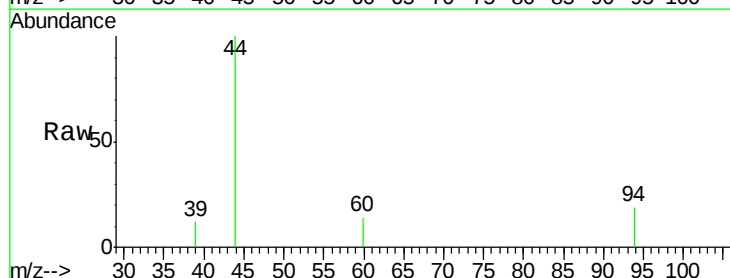
Tgt Ion: 94 Resp: 693

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

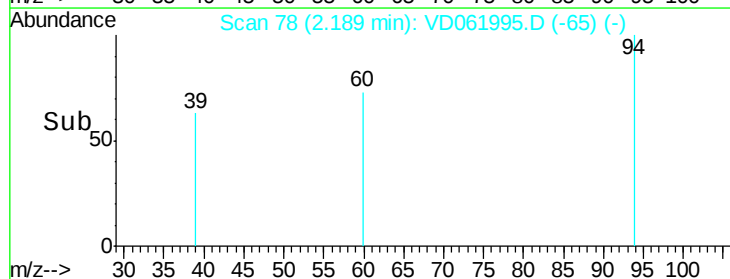
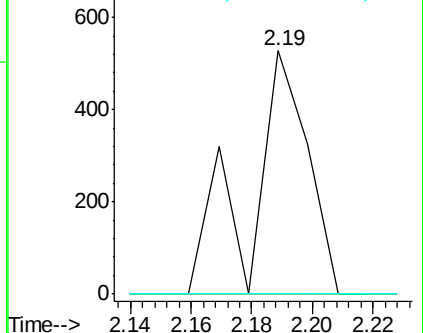
93 0.0 18.5 27.7#

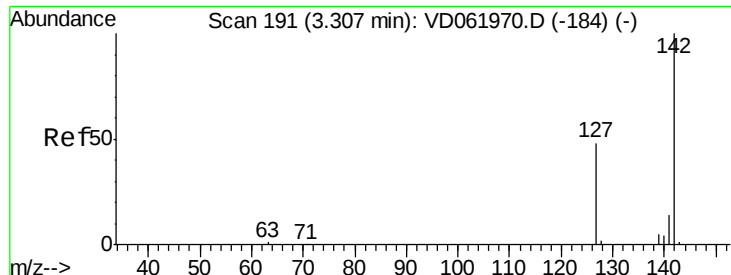


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

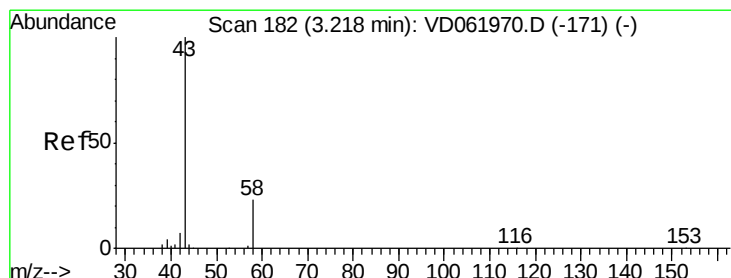
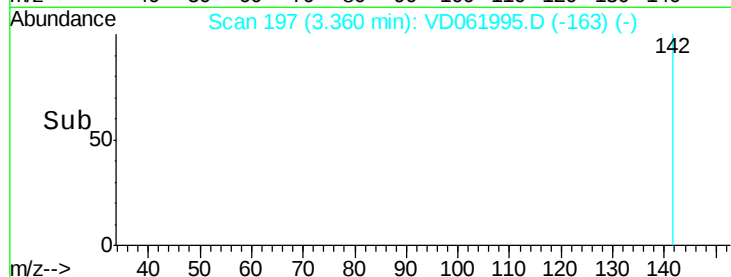
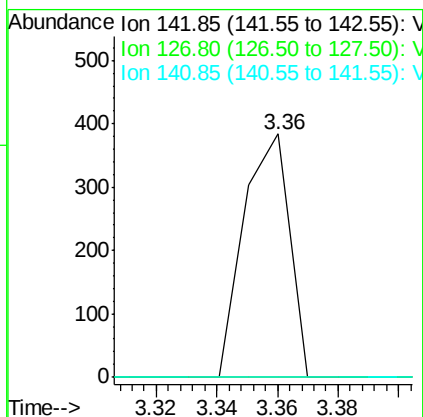
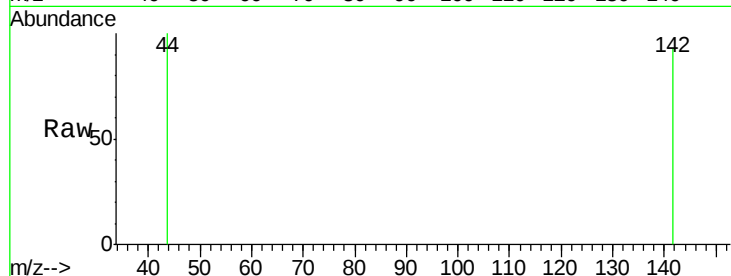




#10
Methvl Iodide
Concen: 6.470 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.04 min
Lab File: VD061995.D
Acq: 24 Apr 2019 13:57

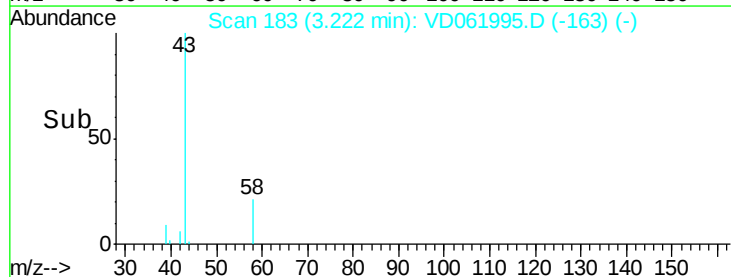
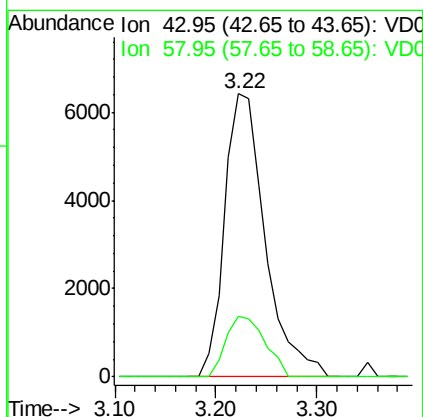
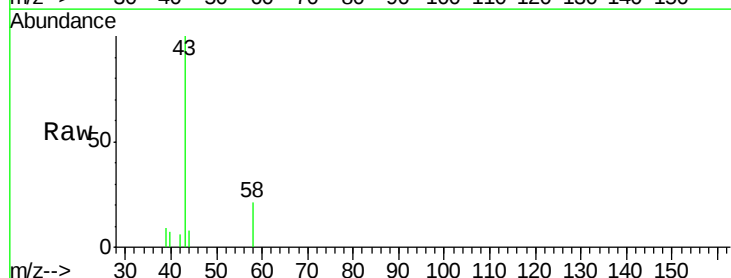
Instrument :
MSVOA_D
ClientSampleId :

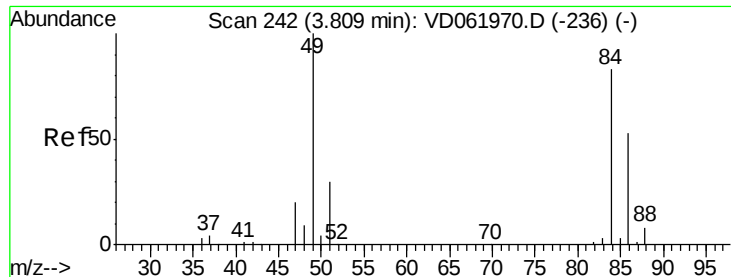
Tot Ion:142 Resp: 406
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 403.787 ug/l
RT: 3.22 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD061995.D
Acq: 24 Apr 2019 13:57

Tgt Ion: 43 Resp: 17968
Ion Ratio Lower Upper
43 100
58 21.3 19.9 29.9

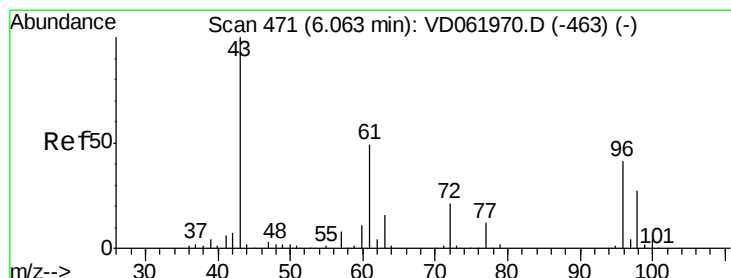
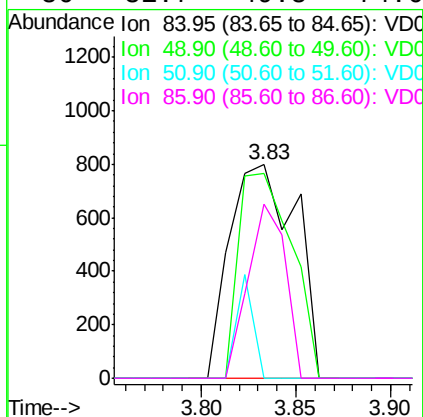
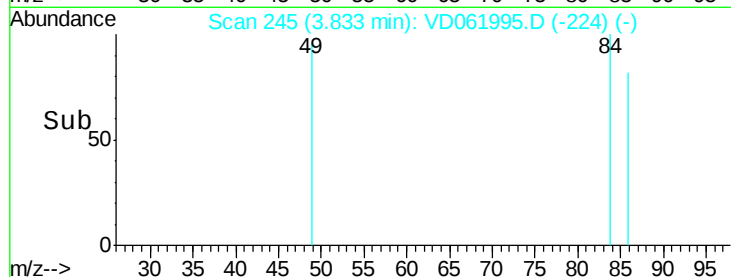
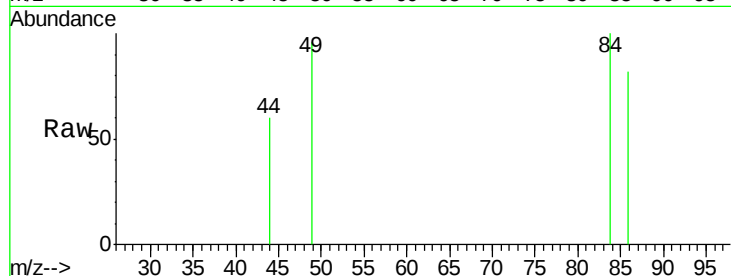




#20
Methvlene Chloride
Concen: 6.159 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061995.D
Acq: 24 Apr 2019 13:57

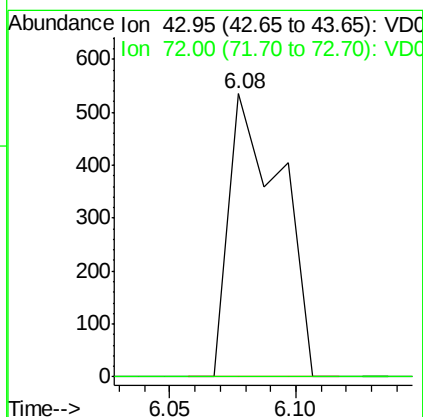
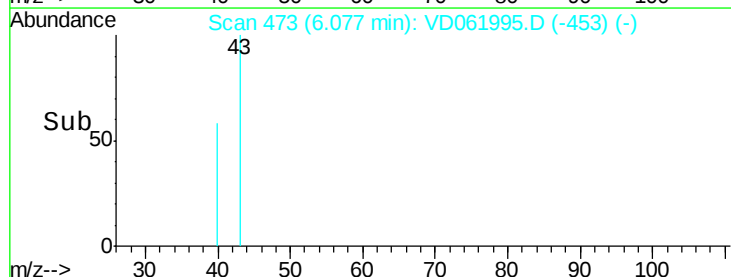
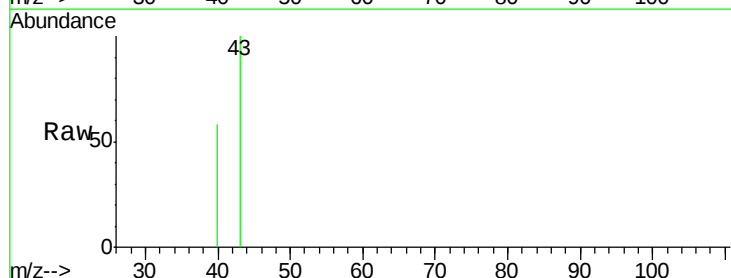
Instrument :
MSVOA_D
ClientSampleId :

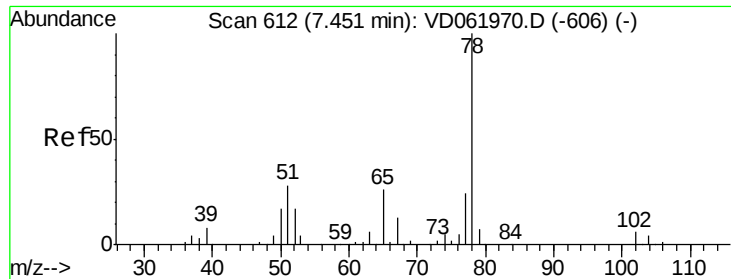
Tot Ion: 84 Resp: 1940
Ion Ratio Lower Upper
84 100
49 96.1 94.0 141.0
51 0.0 29.0 43.4#
86 81.7 49.8 74.6#



#25
2-Butanone
Concen: 14.217 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.00 min
Lab File: VD061995.D
Acq: 24 Apr 2019 13:57

Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061995.D

Acq: 24 Apr 2019 13:57

Instrument :

MSVOA_D

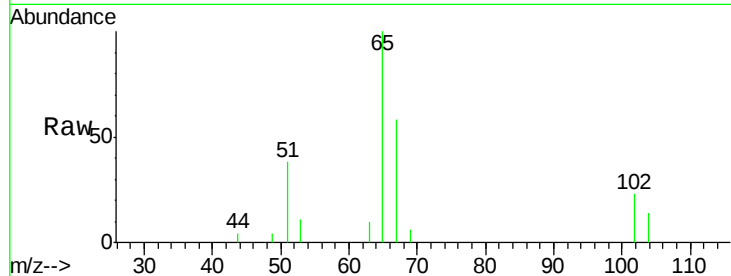
ClientSampleId :

Tot Ion: 65 Resp: 23352

Ion Ratio Lower Upper

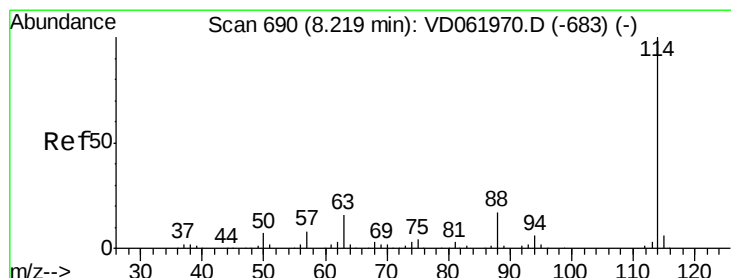
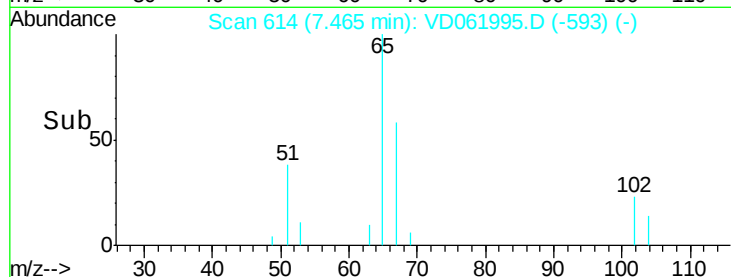
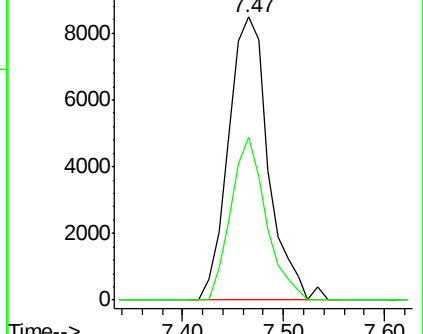
65 100

67 57.5 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: 8.23 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD061995.D

Acq: 24 Apr 2019 13:57

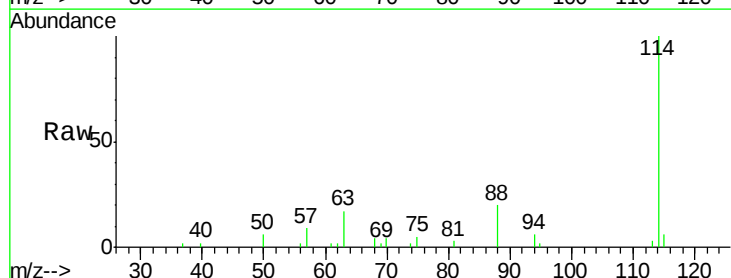
Tgt Ion:114 Resp: 52073

Ion Ratio Lower Upper

114 100

63 17.1 0.0 32.4

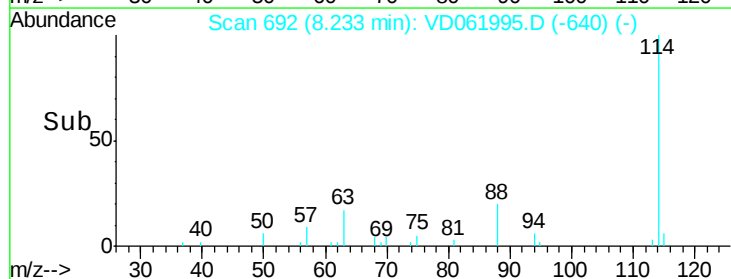
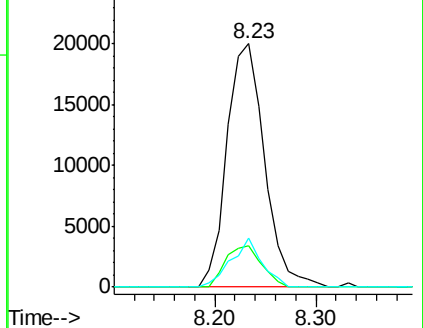
88 19.9 0.0 33.6

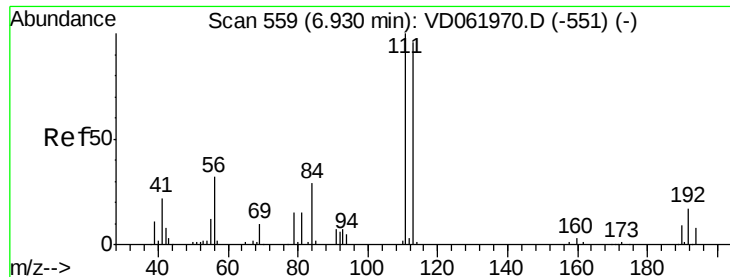


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061995.D

Acq: 24 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

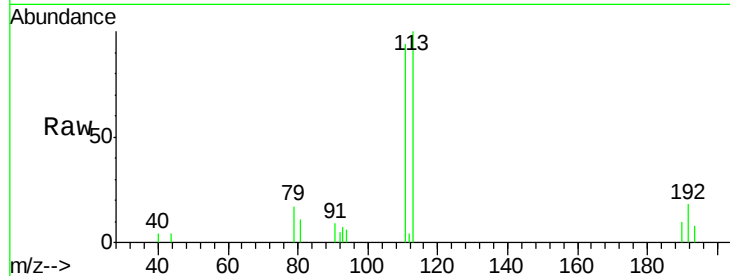
Tot Ion:113 Resp: 25575

Ion Ratio Lower Upper

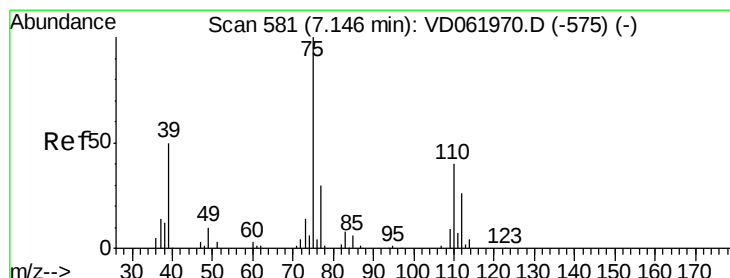
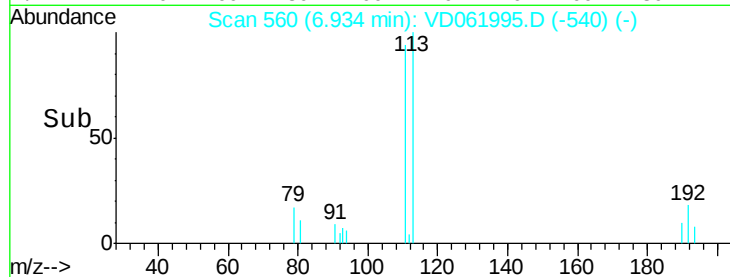
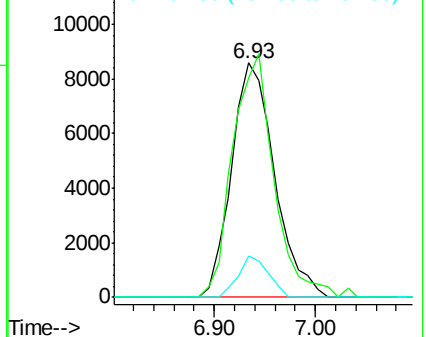
113 100

111 93.8 78.5 117.7

192 17.9 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: 3.074 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.10 min

Lab File: VD061995.D

Acq: 24 Apr 2019 13:57

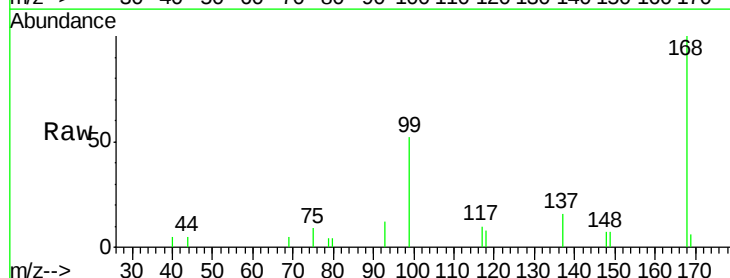
Tgt Ion: 75 Resp: 1247

Ion Ratio Lower Upper

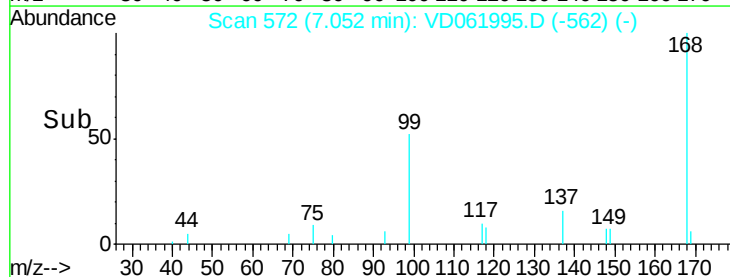
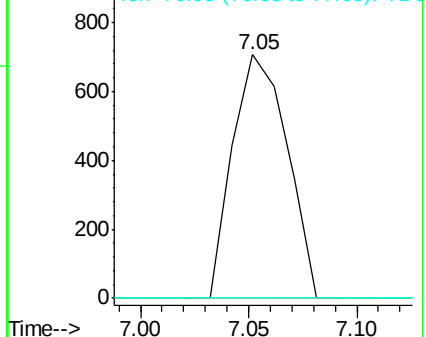
75 100

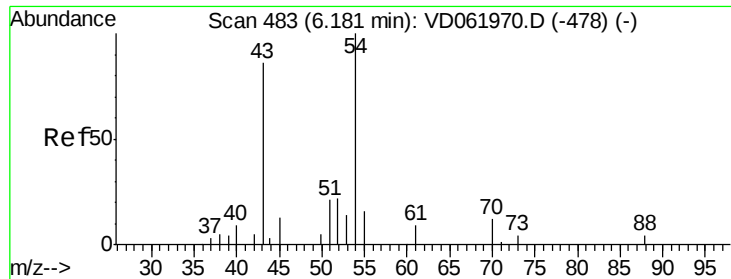
110 0.0 19.1 57.1#

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

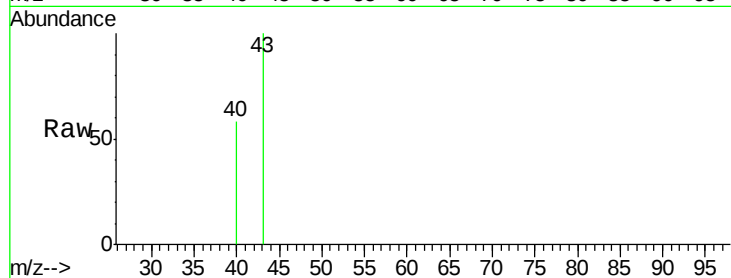




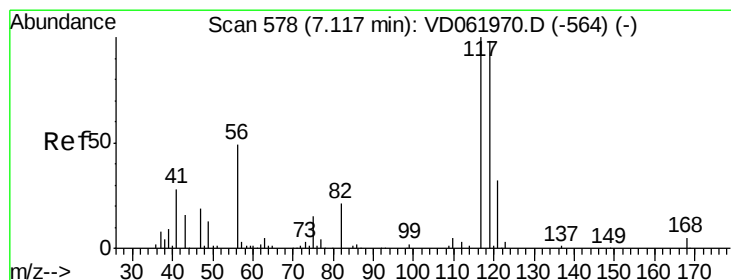
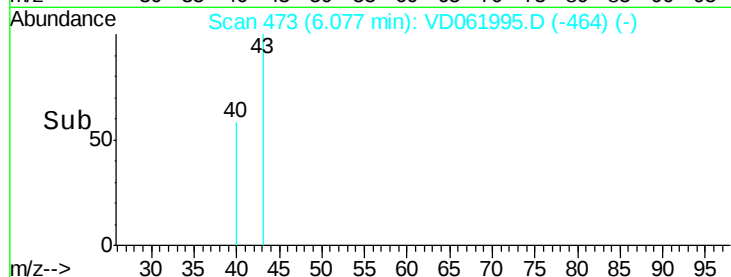
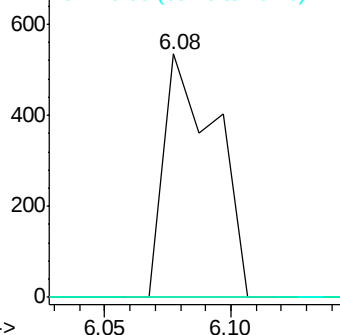
#37
Ethyl Acetate
Concen: 4.436 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.11 min
Lab File: VD061995.D
Acq: 24 Apr 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
61 0.0 14.7 22.1#
70 0.0 7.8 11.6#

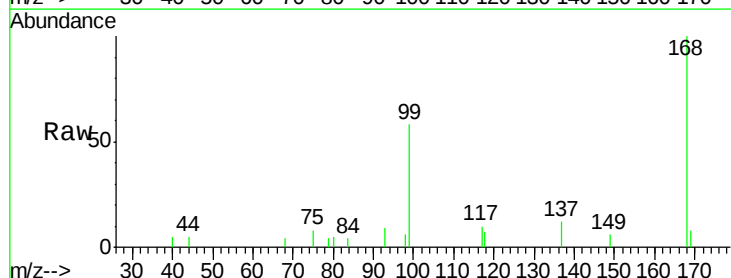


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

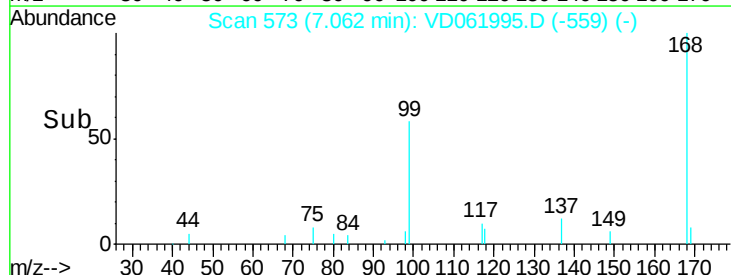
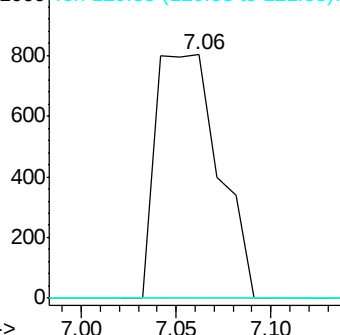


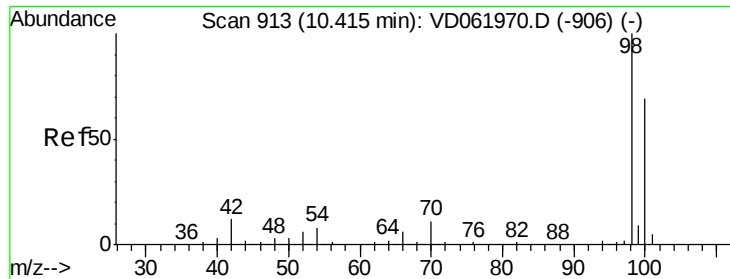
#38
Carbon Tetrachloride
Concen: 3.601 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.06 min
Lab File: VD061995.D
Acq: 24 Apr 2019 13:57

Tgt Ion: 117 Resp: 1851
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

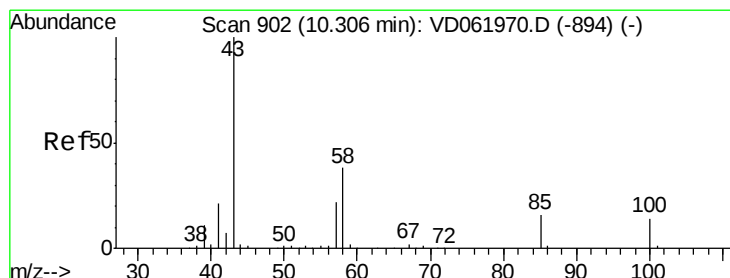
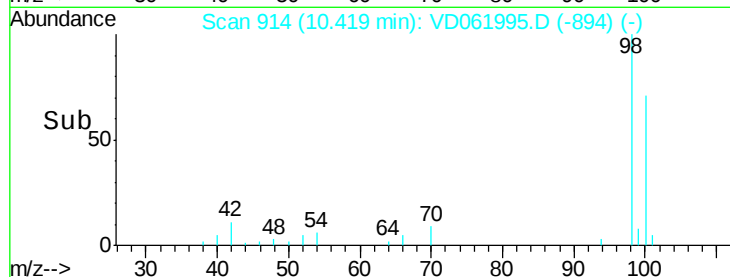
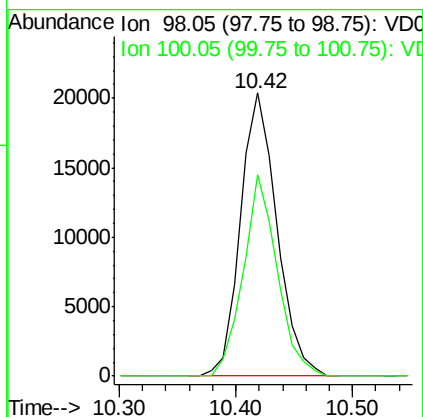
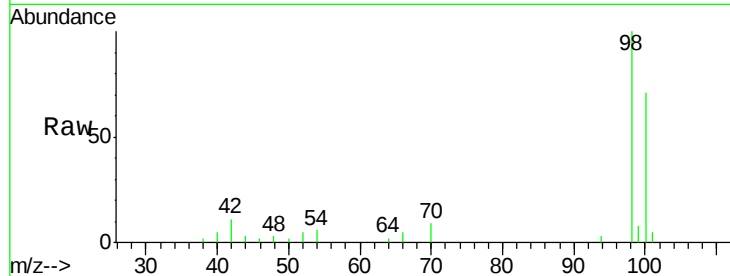




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD061995.D
Acq: 24 Apr 2019 13:57

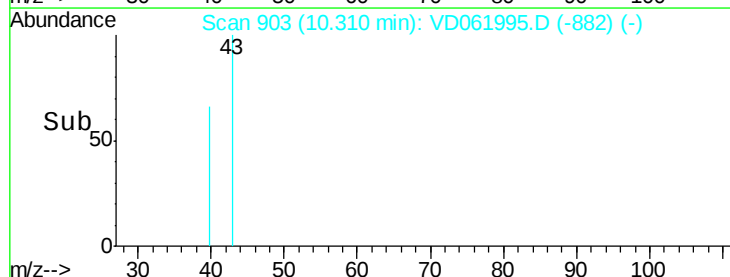
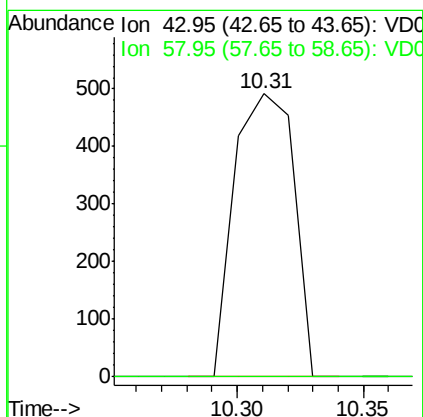
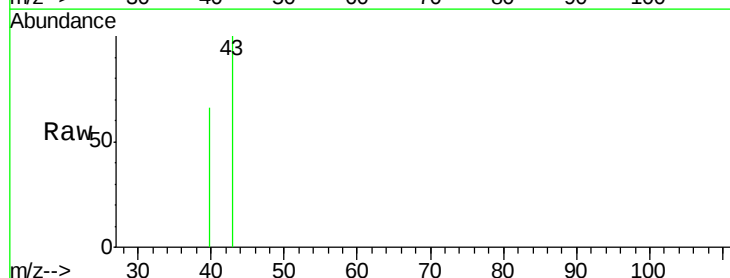
Instrument :
MSVOA_D
ClientSampleId :

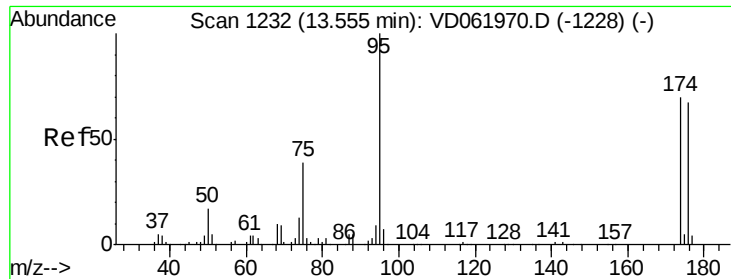
Tot Ion: 98 Resp: 44146
Ion Ratio Lower Upper
98 100
100 71.0 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 5.217 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD061995.D
Acq: 24 Apr 2019 13:57

Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD061995.D

Acq: 24 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

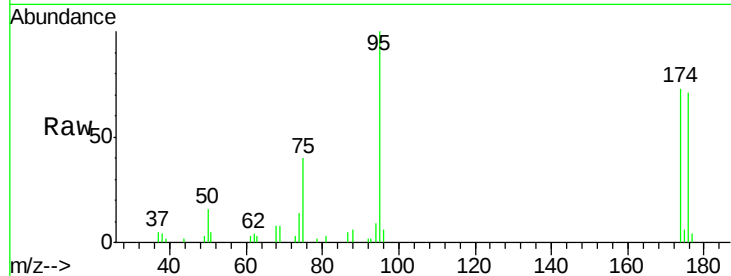
Tot Ion: 95 Resp: 21540

Ion Ratio Lower Upper

95 100

174 72.6 0.0 181.8

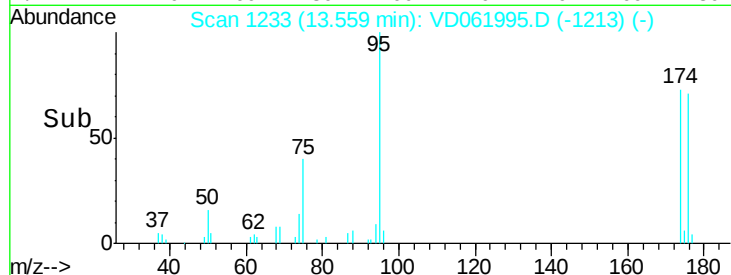
176 70.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

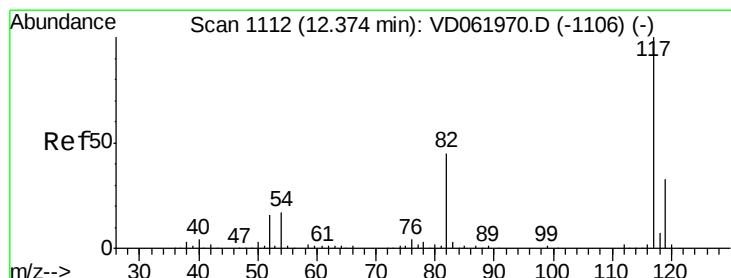
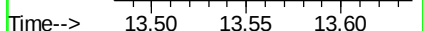


Abundance

Ion 95.00 (94.70 to 95.70): V

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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD061995.D

Acq: 24 Apr 2019 13:57

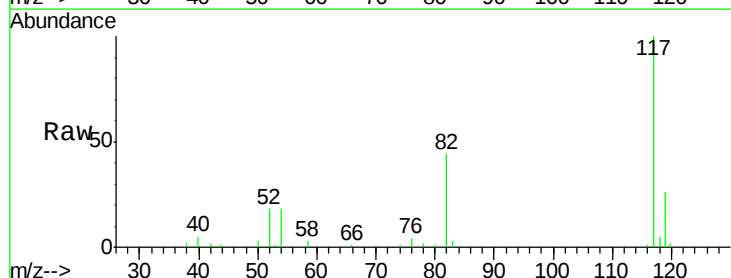
Tgt Ion: 117 Resp: 55465

Ion Ratio Lower Upper

117 100

82 44.0 36.2 54.2

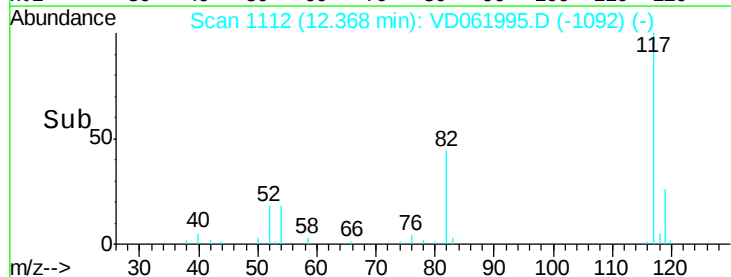
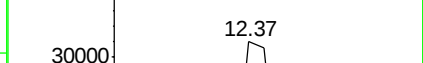
119 26.4 26.2 39.4



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

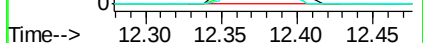


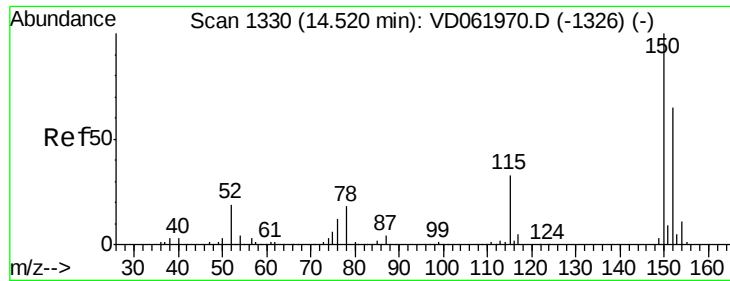
Abundance

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: VD061995.D

Acq: 24 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampled :

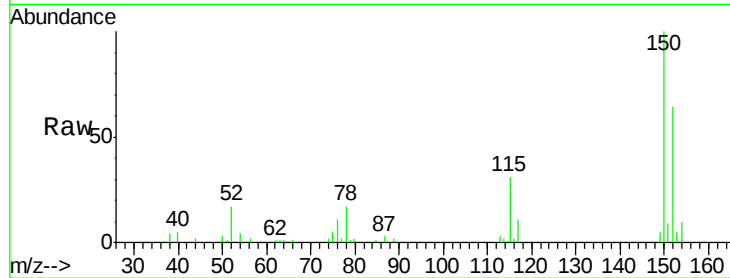
Tot Ion:152 Resp: 23188

Ion Ratio Lower Upper

152 100

115 47.6 30.9 92.7

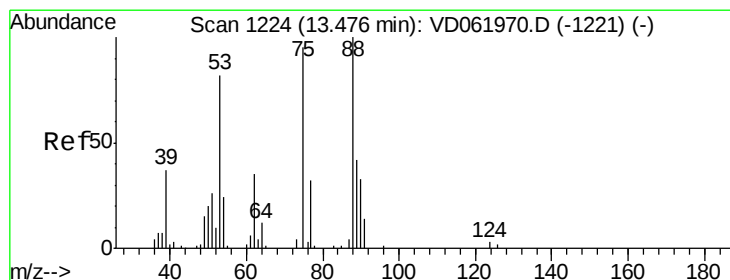
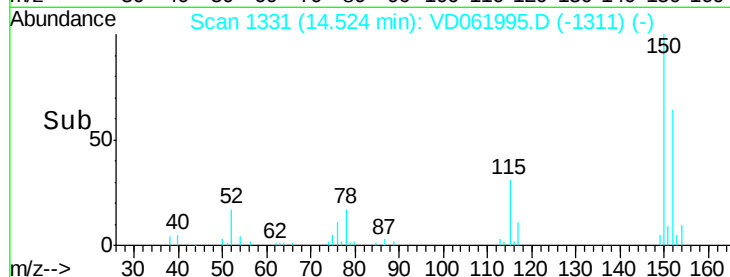
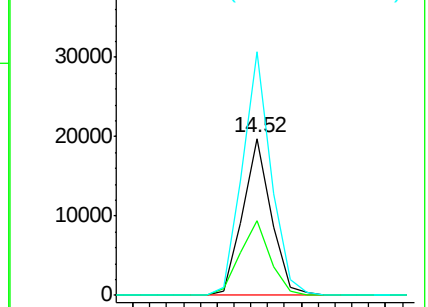
150 155.4 0.0 314.8



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: 94.665 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD061995.D

Acq: 24 Apr 2019 13:57

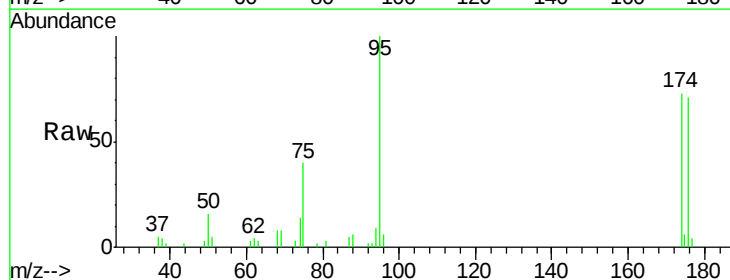
Tgt Ion: 75 Resp: 8447

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

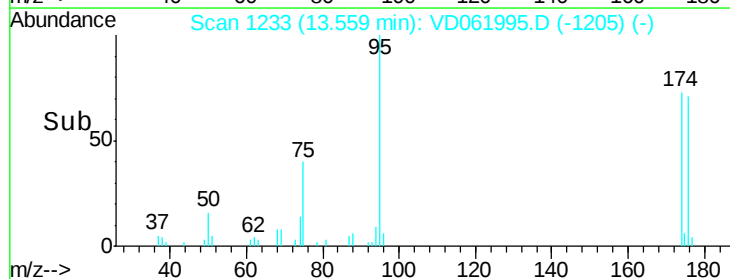
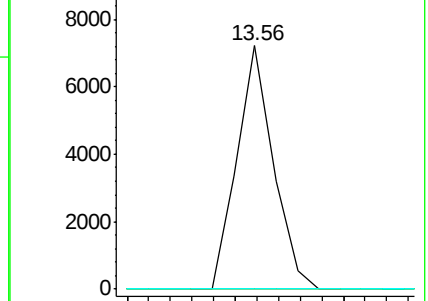
89 0.0 35.0 52.6#

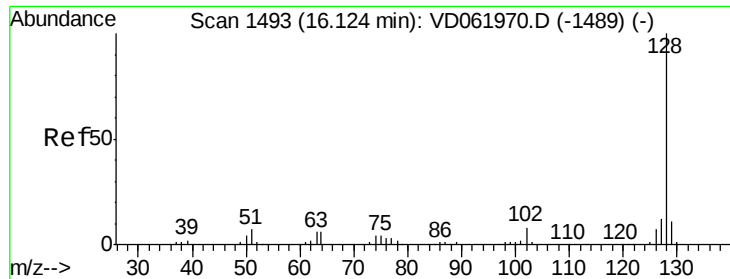


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.413 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.00 min

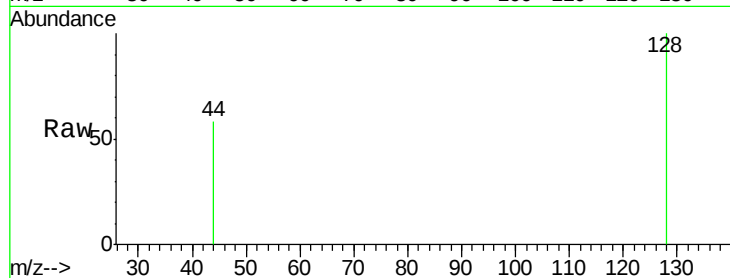
Lab File: VD061995.D

Acq: 24 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:128 Resp: 789

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 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

