

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061428.D
 Acq On : 29 Mar 2019 14:33
 Operator : VA/AP
 Sample : K2107-11RE
 Misc : 2.50g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 22:37:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	11543	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	27830	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	27593	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	14065	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	11283	114.43	ug/l	0.03
Spiked Amount			Recovery	=	228.86%	
35) Dibromofluoromethane	6.93	113	13173	61.94	ug/l	0.03
Spiked Amount			Recovery	=	123.88%	
50) Toluene-d8	10.41	98	26243	51.45	ug/l	0.03
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	13.56	95	12153	62.13	ug/l	0.02
Spiked Amount			Recovery	=	124.26%	

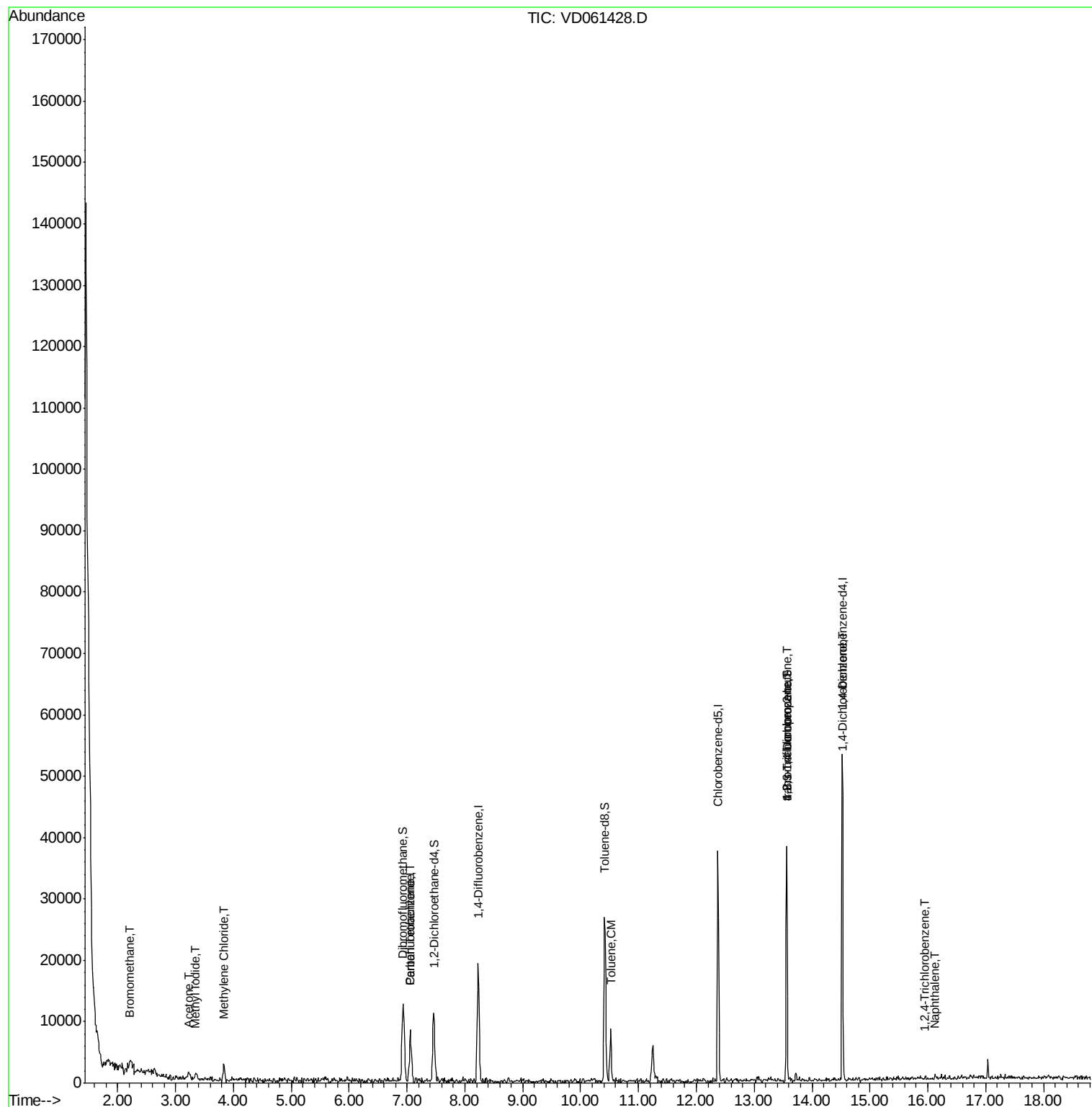
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	808	44.141	ug/l #	69
10) Methyl Iodide	3.36	142	1838	11.263	ug/l #	83
16) Acetone	3.24	43	2612	103.046	ug/l #	48
20) Methylene Chloride	3.83	84	2149	13.742	ug/l #	77
38) Carbon Tetrachloride	7.06	117	419	1.501	ug/l #	10
52) Toluene	10.52	92	5133	13.802	ug/l	90
76) 1,2,3-Trichloropropane	13.56	75	4338	21.351	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	4664	75.290	ug/l #	18
88) 1,4-Dichlorobenzene	14.54	146	837	1.747	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.95	180	190	1.035	ug/l #	11
95) Naphthalene	16.13	128	581	2.076	ug/l #	70

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
Data File : VD061428.D
Acq On : 29 Mar 2019 14:33
Operator : VA/AP
Sample : K2107-11RE
Misc : 2.50µl/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 29 22:37:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061428.D

Acq: 29 Mar 2019 14:33

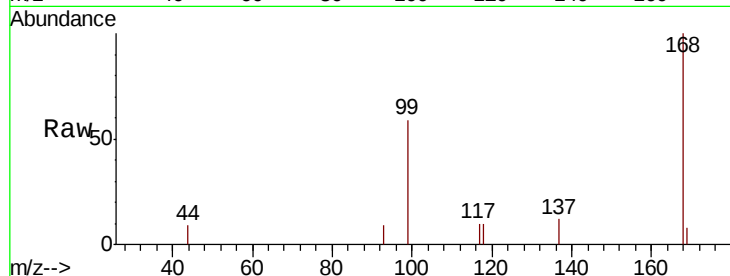
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 11543

Ion Ratio Lower Upper

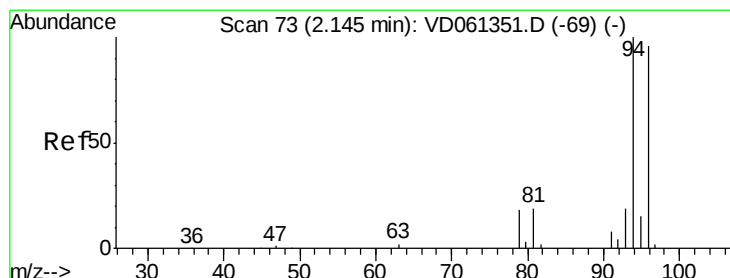
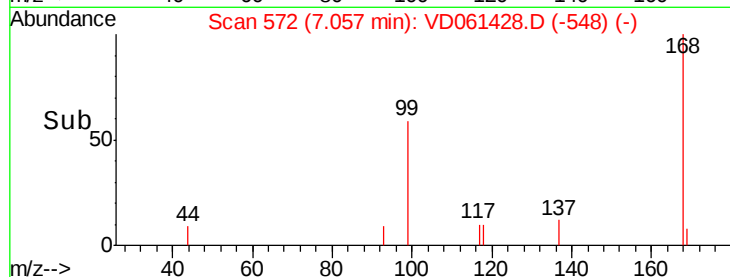
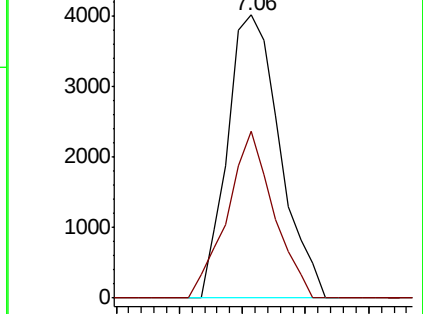
168 100

99 58.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 44.141 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD061428.D

Acq: 29 Mar 2019 14:33

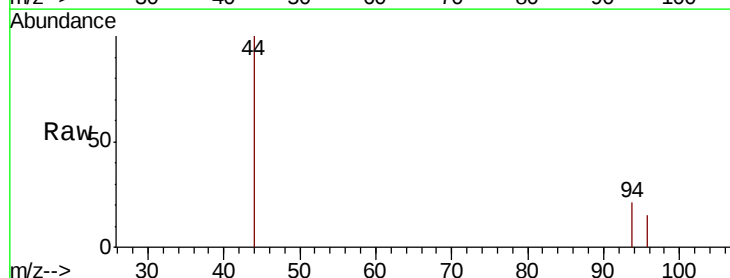
Tgt Ion: 94 Resp: 808

Ion Ratio Lower Upper

94 100

96 69.4 78.3 117.5#

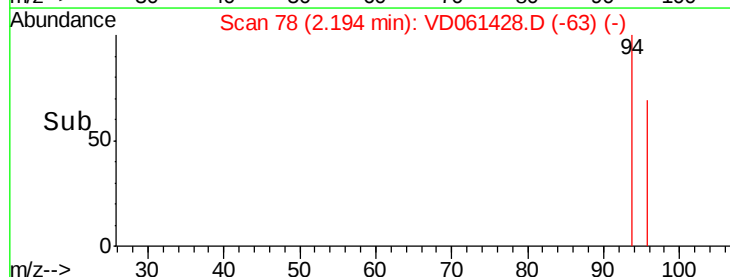
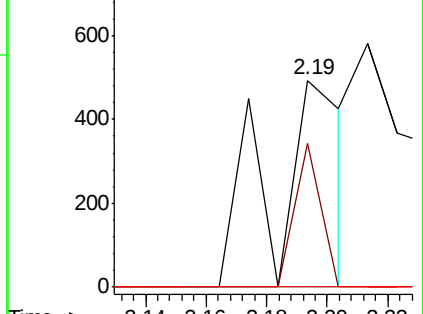
93 0.0 15.6 23.4#

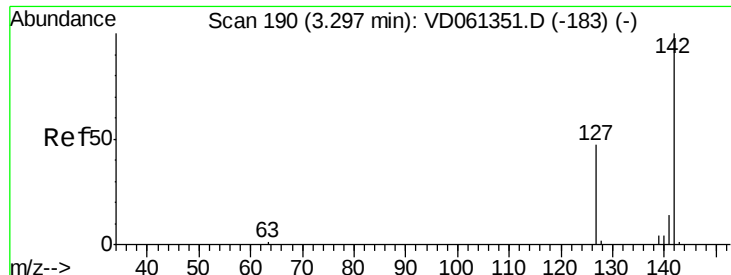


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

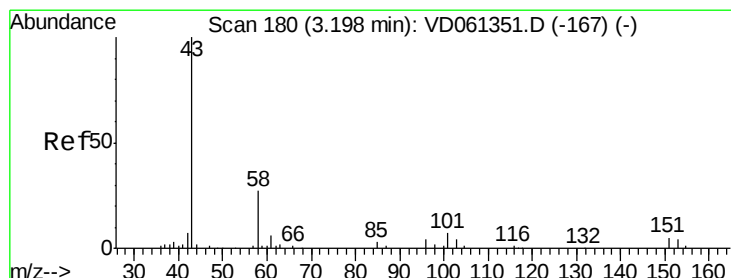
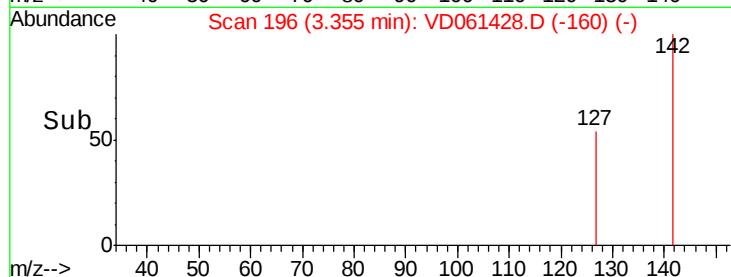
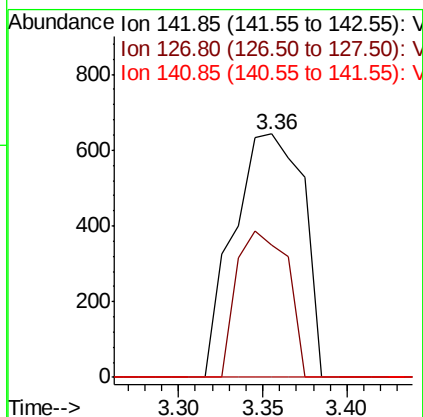
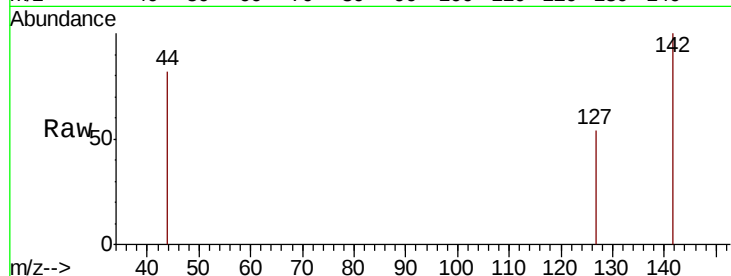




#10
Methvl Iodide
Concen: 11.263 ug/l
RT: 3.36 min Scan# 196
Delta R.T. 0.06 min
Lab File: VD061428.D
Acq: 29 Mar 2019 14:33

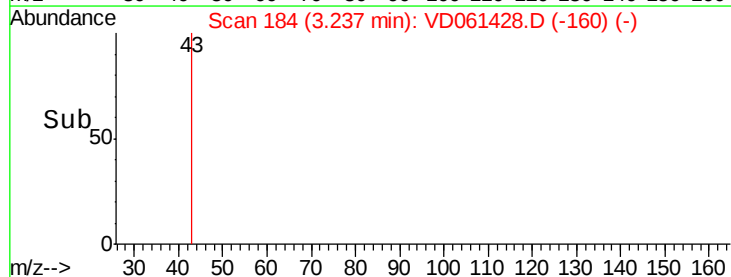
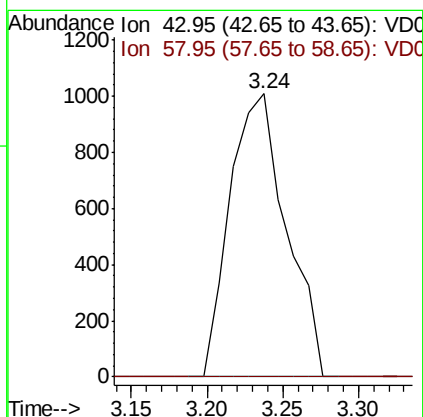
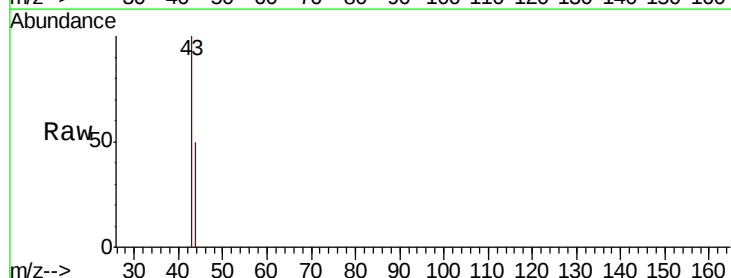
Instrument :
MSVOA_D
ClientSampleId :

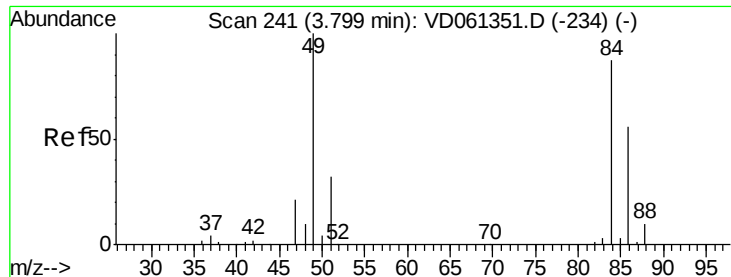
Tot Ion:142 Resp: 1838
Ion Ratio Lower Upper
142 100
127 54.4 37.7 56.5
141 0.0 11.5 17.3#



#16
Acetone
Concen: 103.046 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD061428.D
Acq: 29 Mar 2019 14:33

Tgt Ion: 43 Resp: 2612
Ion Ratio Lower Upper
43 100
58 0.0 21.5 32.3#

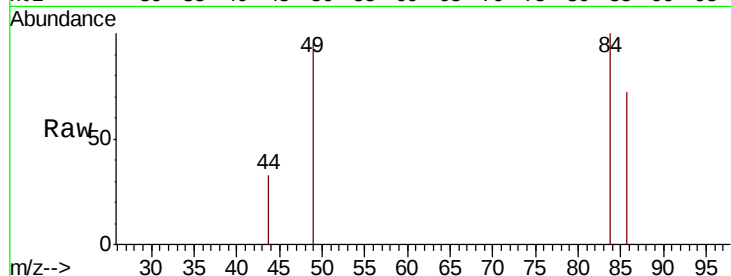




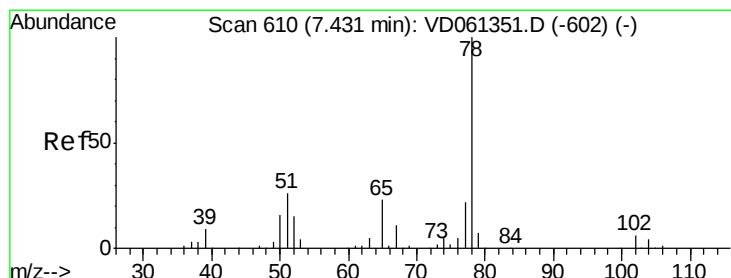
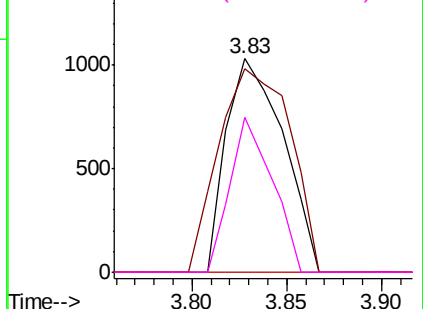
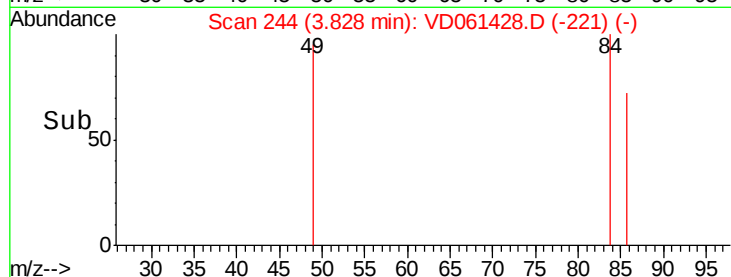
#20
Methvlene Chloride
Concen: 13.742 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD061428.D
Acq: 29 Mar 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 2149
Ion Ratio Lower Upper
84 100
49 95.2 91.8 137.8
51 0.0 29.8 44.8#
86 72.3 51.8 77.6

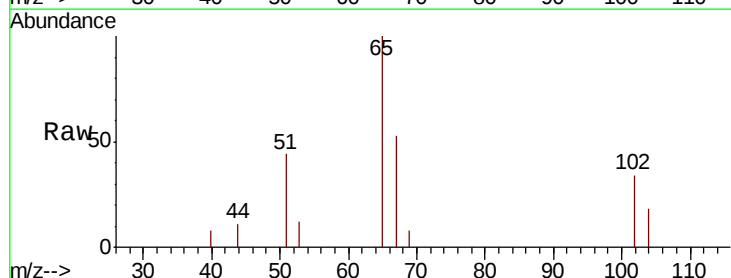


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

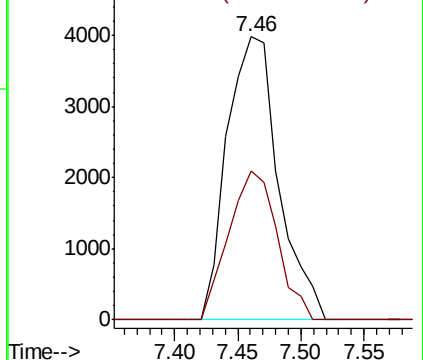
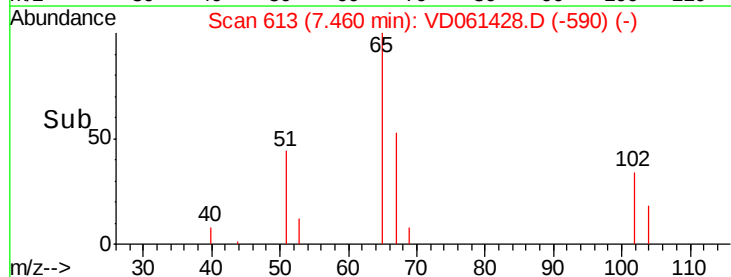


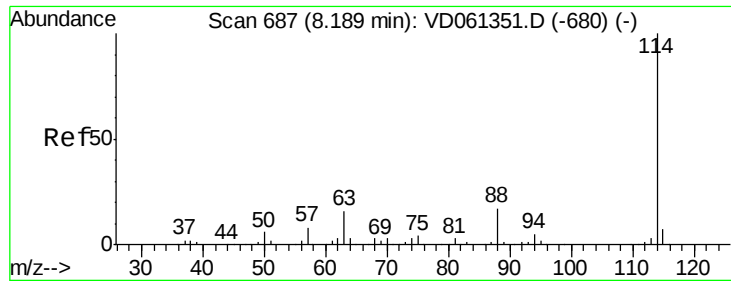
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.03 min
Lab File: VD061428.D
Acq: 29 Mar 2019 14:33

Tgt Ion: 65 Resp: 11283
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

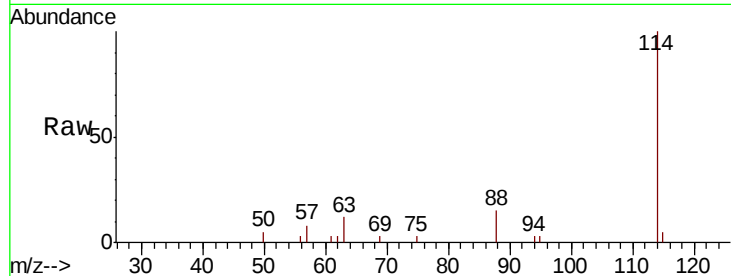




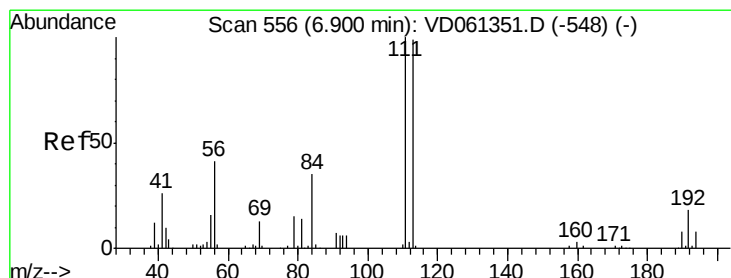
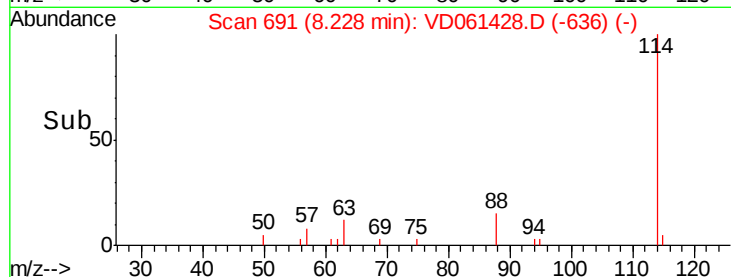
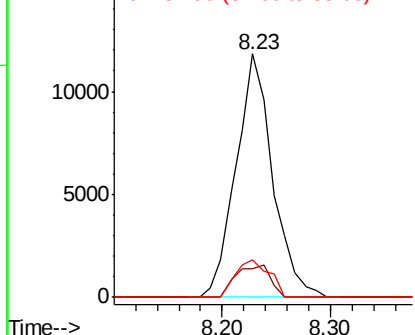
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061428.D
 Acq: 29 Mar 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 27830
 Ion Ratio Lower Upper
 114 100
 63 12.0 0.0 31.6
 88 15.2 0.0 33.4

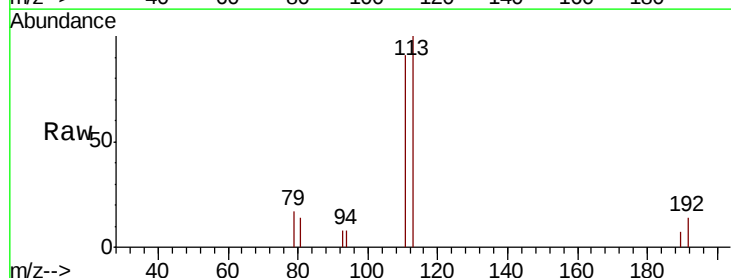


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

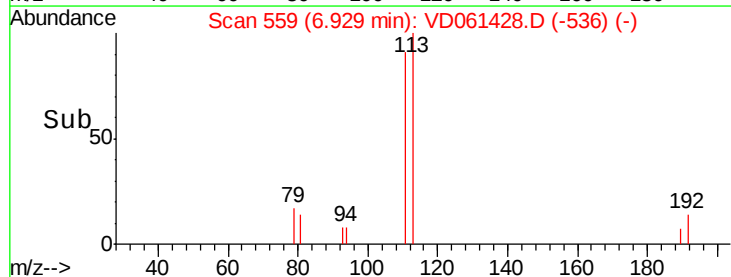
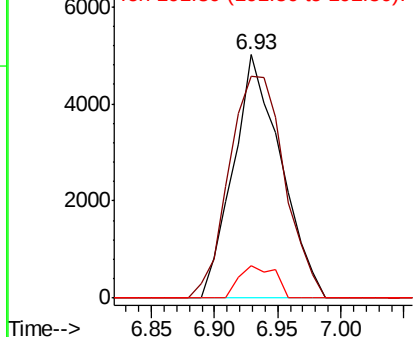


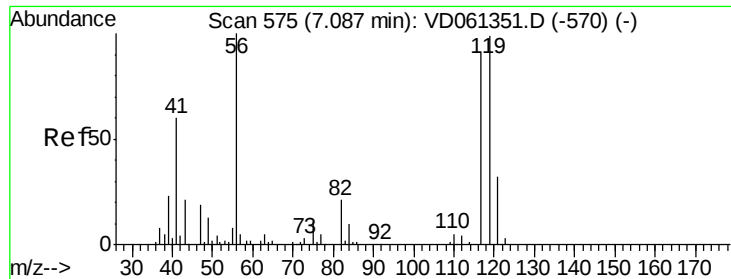
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD061428.D
 Acq: 29 Mar 2019 14:33

Tgt Ion:113 Resp: 13173
 Ion Ratio Lower Upper
 113 100
 111 91.1 81.0 121.6
 192 13.6 14.4 21.6#



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





#38

Carbon Tetrachloride

Concen: 1.501 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD061428.D

Acq: 29 Mar 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

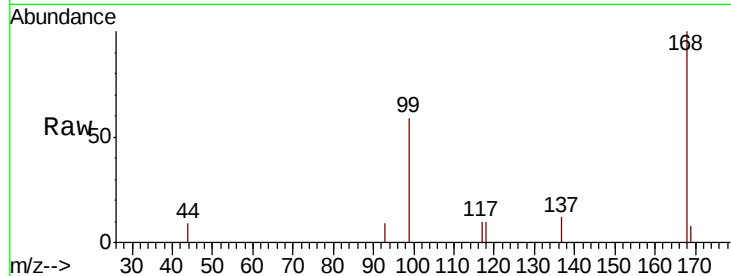
Tot Ion:117 Resp: 419

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

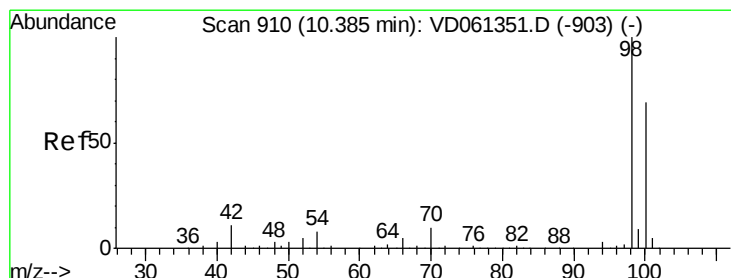
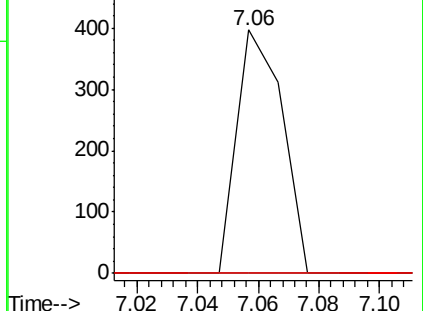
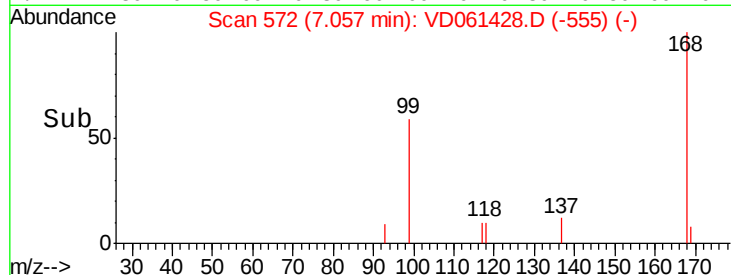
121 0.0 25.6 38.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.03 min

Lab File: VD061428.D

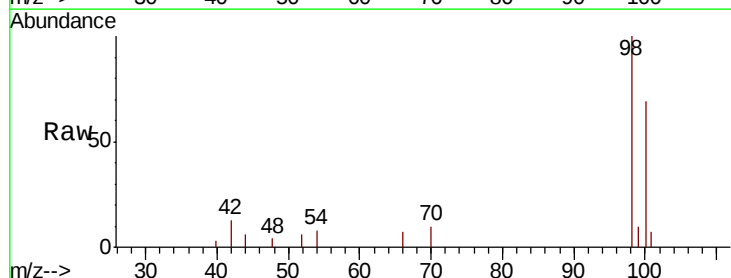
Acq: 29 Mar 2019 14:33

Tgt Ion: 98 Resp: 26243

Ion Ratio Lower Upper

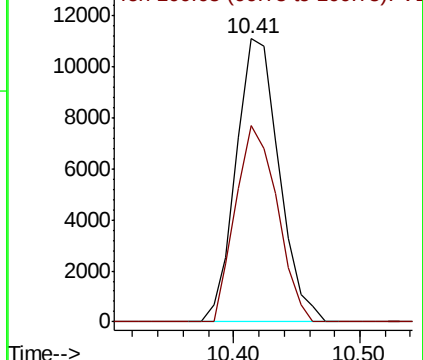
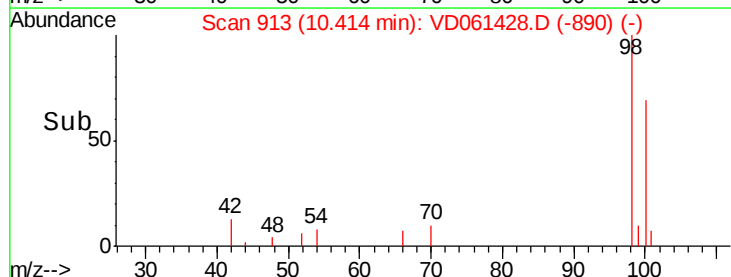
98 100

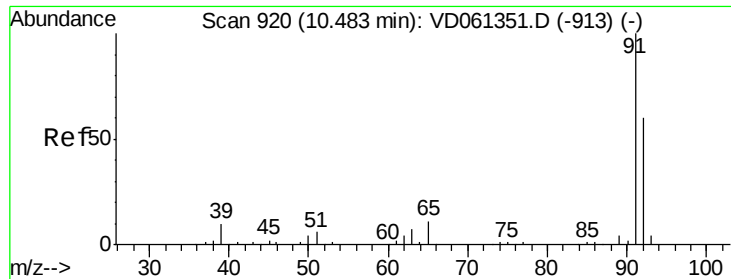
100 69.4 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 13.802 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.04 min

Lab File: VD061428.D

Acq: 29 Mar 2019 14:33

Instrument :

MSVOA_D

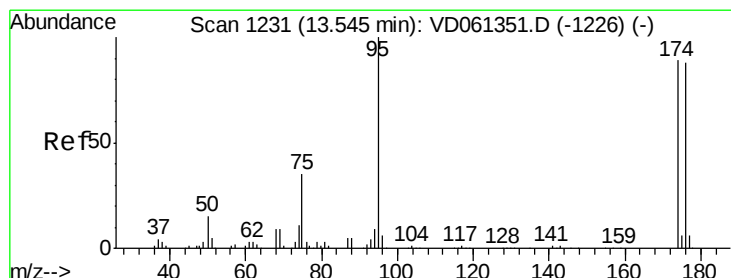
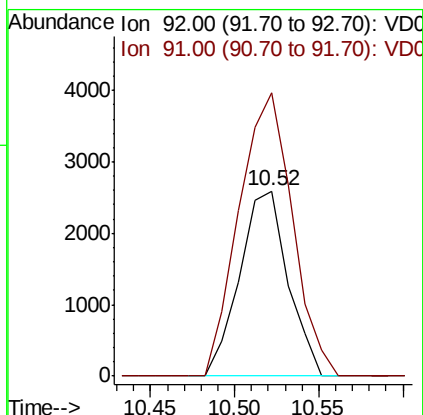
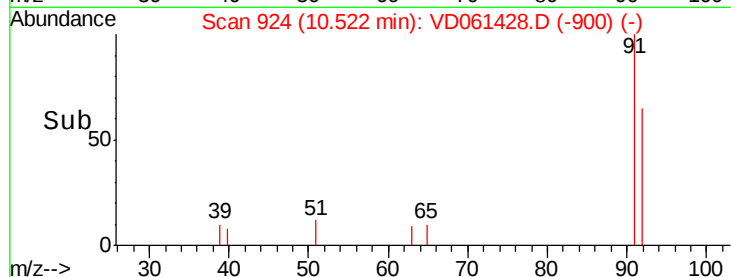
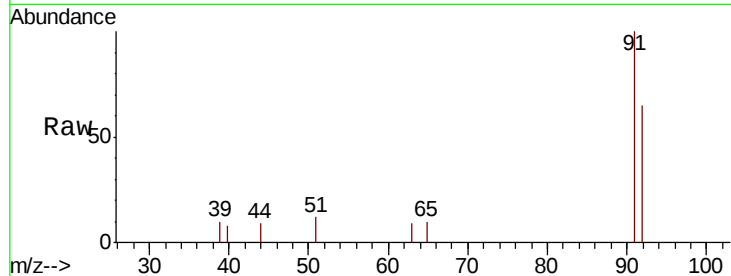
ClientSampleId :

Tot Ion: 92 Resp: 5133

Ion Ratio Lower Upper

92 100

91 153.1 133.3 199.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061428.D

Acq: 29 Mar 2019 14:33

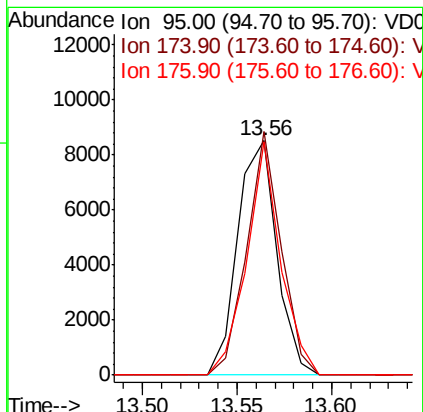
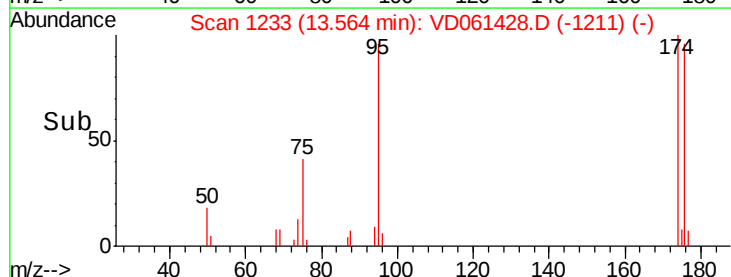
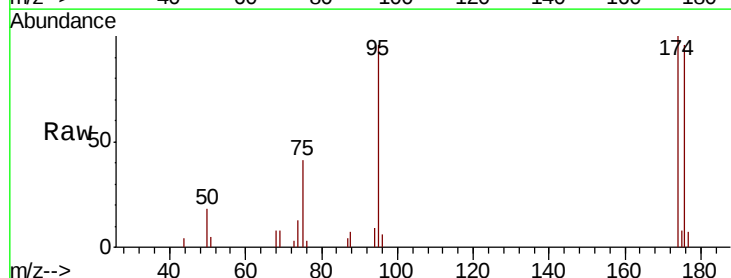
Tgt Ion: 95 Resp: 12153

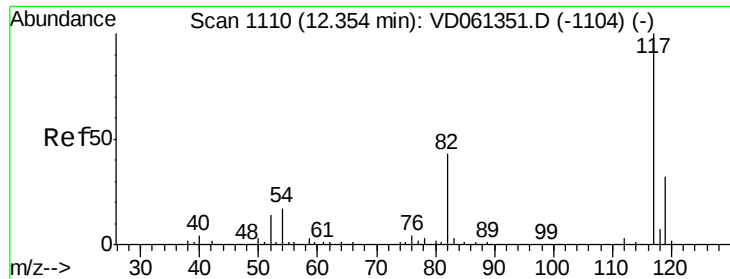
Ion Ratio Lower Upper

95 100

174 103.8 0.0 178.0

176 99.5 0.0 175.0

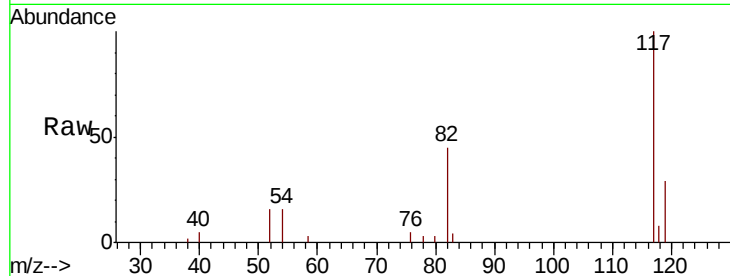




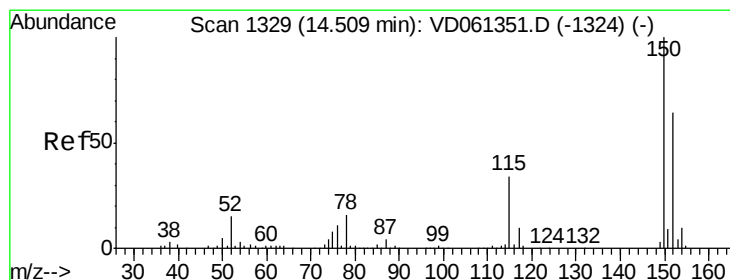
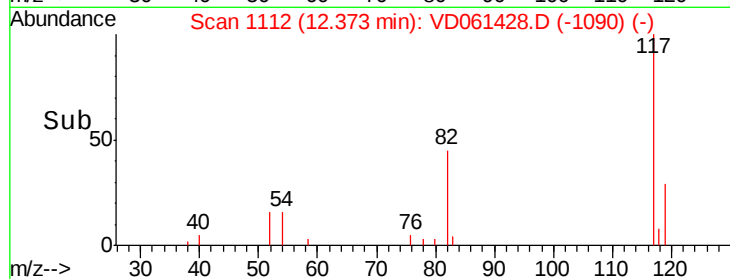
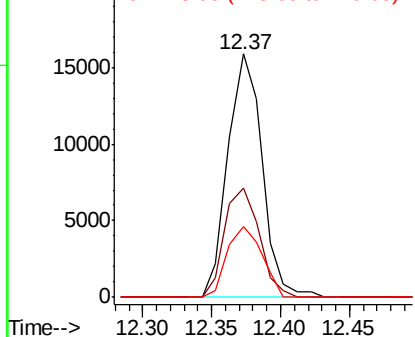
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061428.D
Acq: 29 Mar 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 27593
Ion Ratio Lower Upper
117 100
82 44.6 34.4 51.6
119 29.2 25.8 38.6

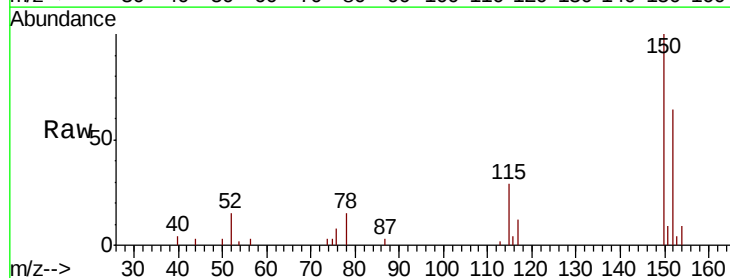


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

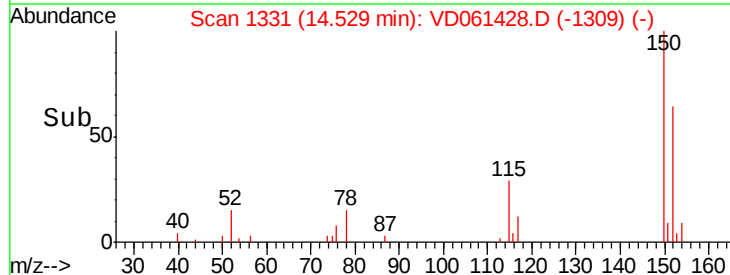
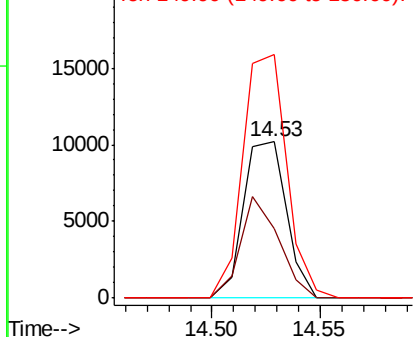


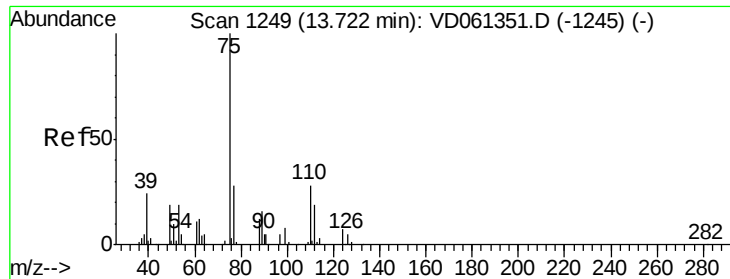
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061428.D
Acq: 29 Mar 2019 14:33

Tgt Ion:152 Resp: 14065
Ion Ratio Lower Upper
152 100
115 44.7 26.9 80.6
150 155.6 0.0 318.0



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





#76

1,2,3-Trichloropropane

Concen: 21.351 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061428.D

Acq: 29 Mar 2019 14:33

Instrument :

MSVOA_D

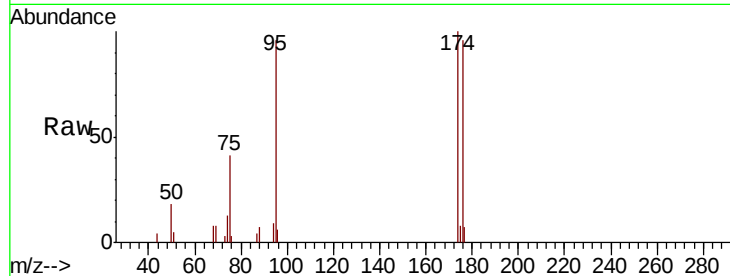
ClientSampleId :

Tot Ion: 75 Resp: 4338

Ion Ratio Lower Upper

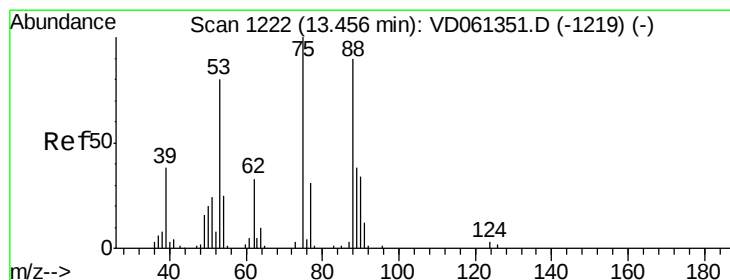
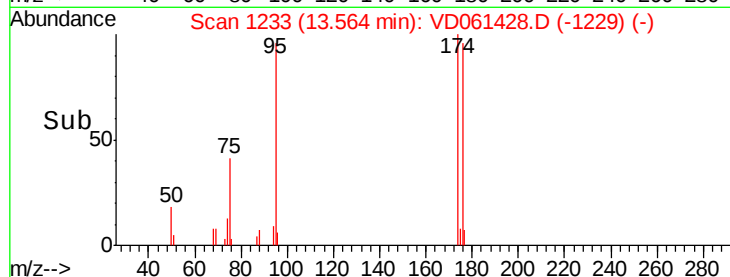
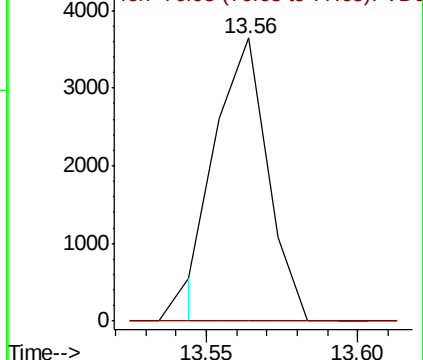
75 100

77 0.0 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 75.290 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061428.D

Acq: 29 Mar 2019 14:33

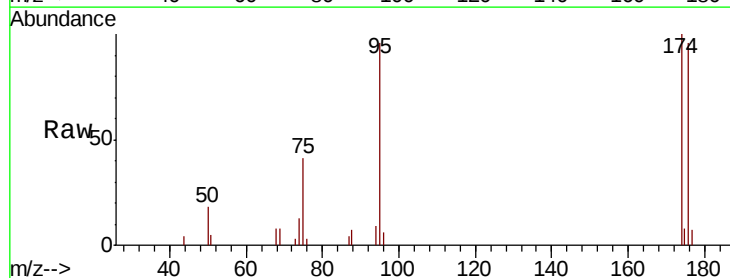
Tgt Ion: 75 Resp: 4664

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

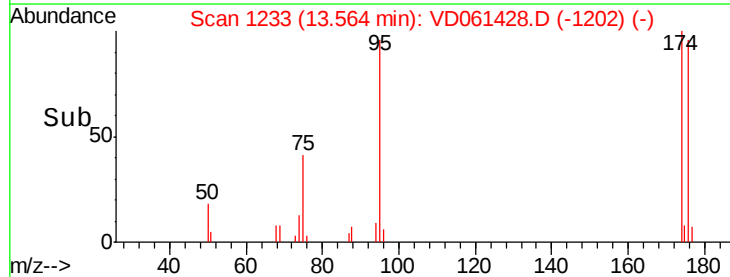
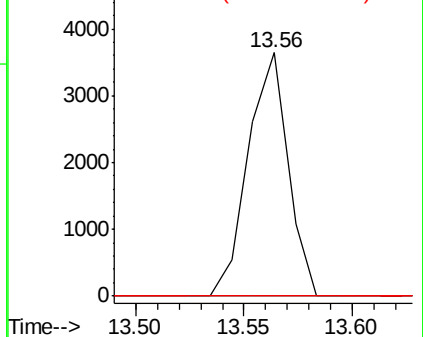
89 0.0 30.5 45.7#

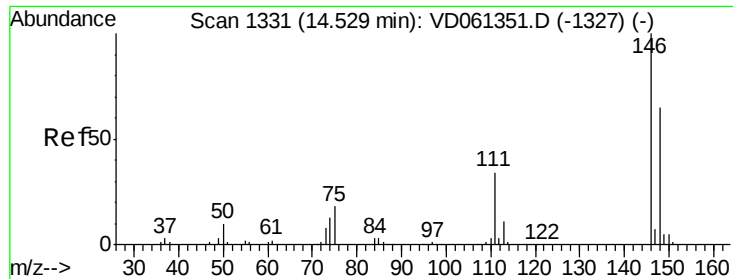


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#88

1,4-Dichlorobenzene

Concen: 1.747 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061428.D

Acq: 29 Mar 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

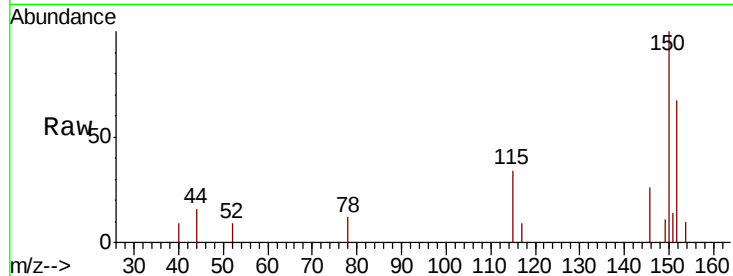
Tot Ion:146 Resp: 837

Ion Ratio Lower Upper

146 100

111 0.0 16.8 50.4#

148 0.0 32.6 98.0#

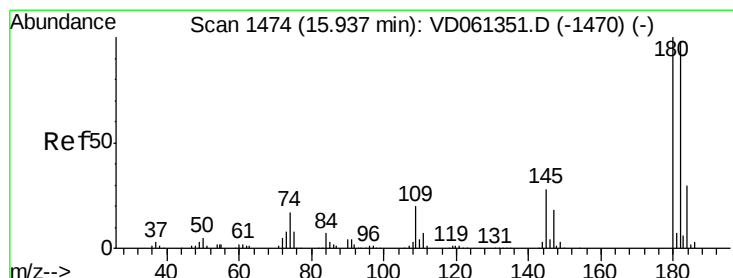
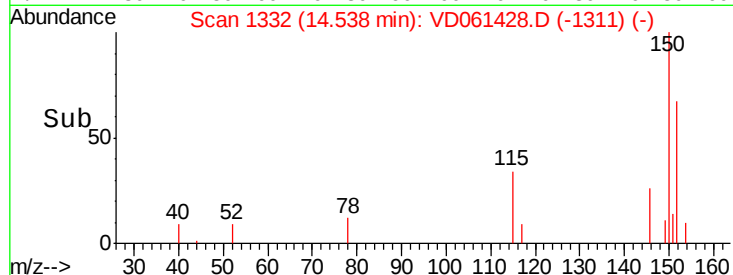
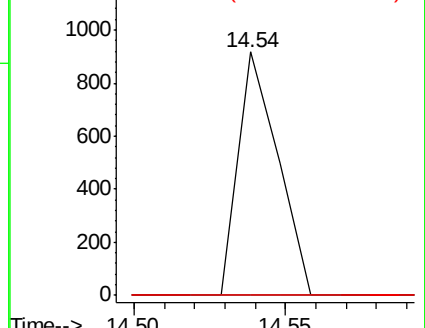


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

14.54



#93

1,2,4-Trichlorobenzene

Concen: 1.035 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.01 min

Lab File: VD061428.D

Acq: 29 Mar 2019 14:33

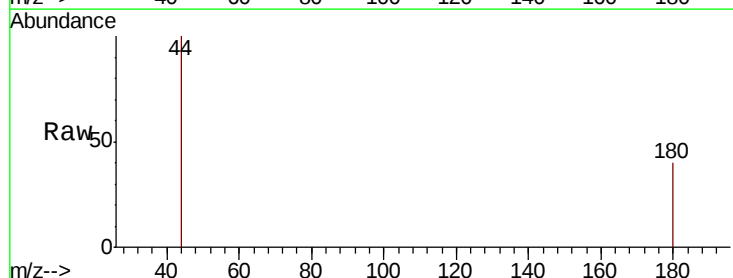
Tgt Ion:180 Resp: 190

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.8#

145 0.0 14.1 42.3#

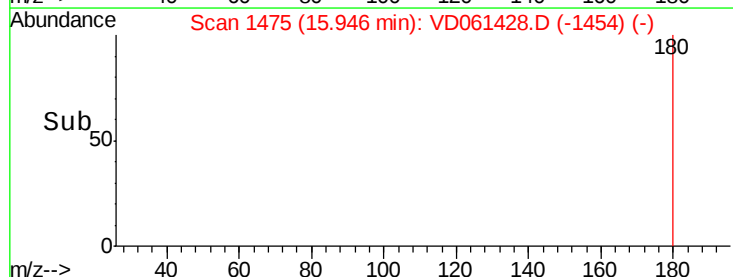
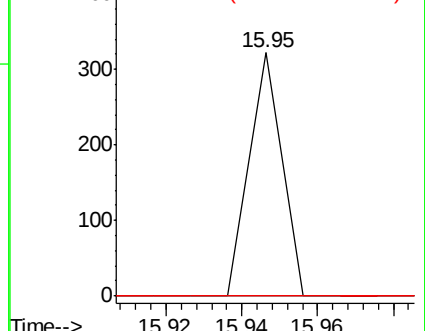


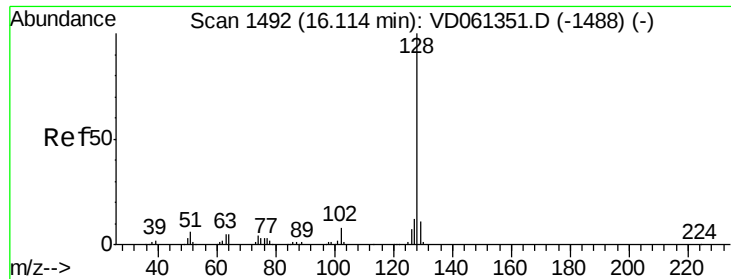
Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

15.95





#95
 Naphthalene
 Concen: 2.076 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.02 min
 Lab File: VD061428.D
 Acq: 29 Mar 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.9	14.9#
129	0.0	8.9	13.3#

