

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
 Data File : VD06MB.D
 Acq On : 27 Mar 2019 23:56
 Operator : VA/AP
 Sample : VD0327SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 28 04:07:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	683972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1058323	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	972705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	428544	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	322721	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
35) Dibromofluoromethane	6.90	113	496116	61.34	ug/l	0.00
Spiked Amount			Recovery	=	122.68%	
50) Toluene-d8	10.39	98	1168262	60.23	ug/l	0.00
Spiked Amount			Recovery	=	120.46%	
62) 4-Bromofluorobenzene	13.54	95	390543	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	

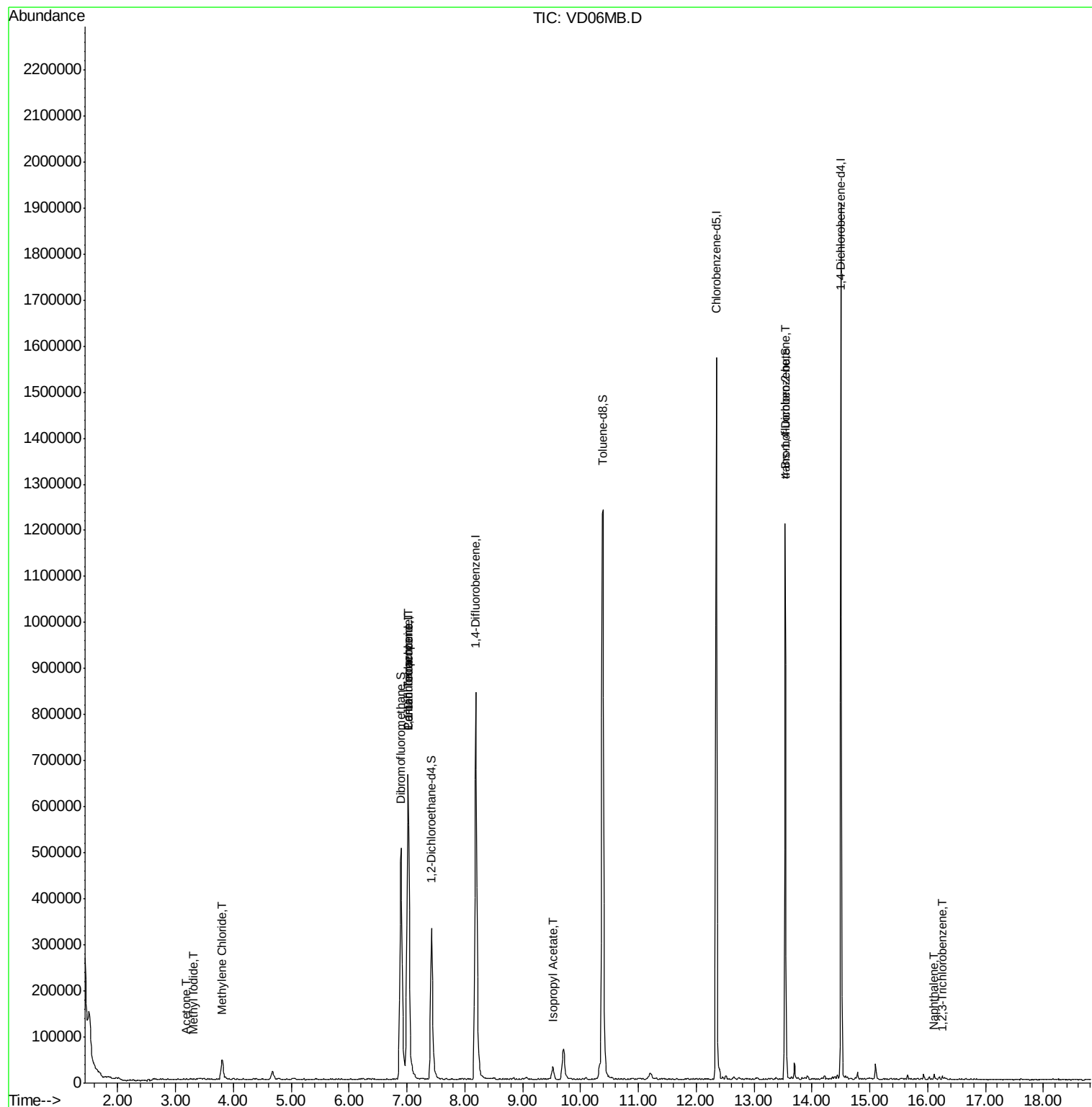
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.31	142	2985	3.680	ug/l #	38
16) Acetone	3.20	43	1981	1.319	ug/l #	48
20) Methylene Chloride	3.81	84	32781	2.055	ug/l	99
36) 1,1-Dichloropropene	7.02	75	47732	5.168	ug/l #	46
38) Carbon Tetrachloride	7.02	117	65008	6.181	ug/l #	14
43) Isopropyl Acetate	9.52	43	22709	3.951	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.54	75	142513	75.505	ug/l #	18
95) Naphthalene	16.11	128	9023	1.058	ug/l #	95
96) 1,2,3-Trichlorobenzene	16.25	180	2546	1.034	ug/l	92

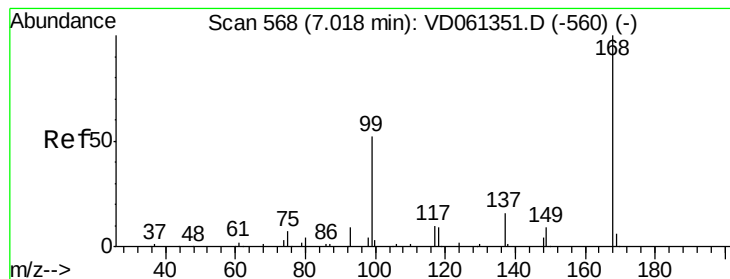
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

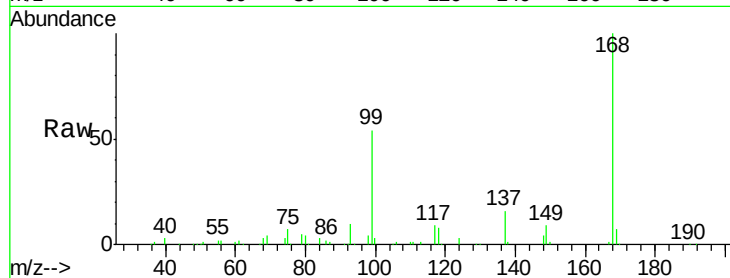
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 683972

Ion Ratio Lower Upper

168 100

99 53.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.02

250000

200000

150000

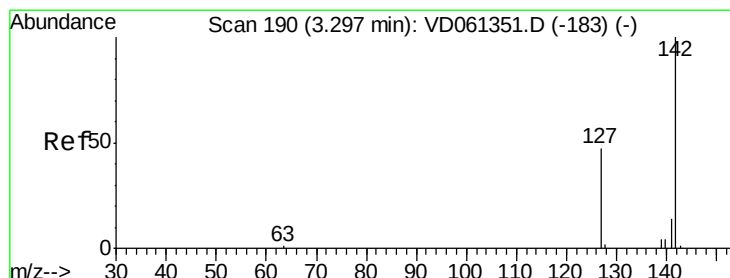
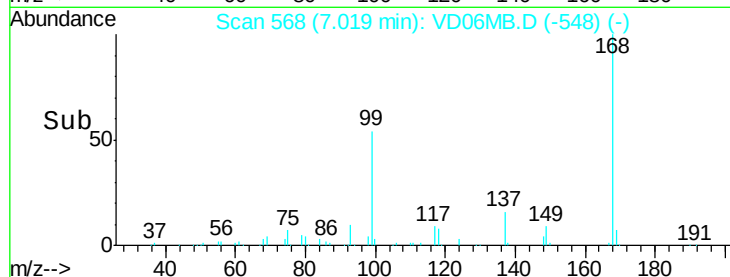
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 3.680 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

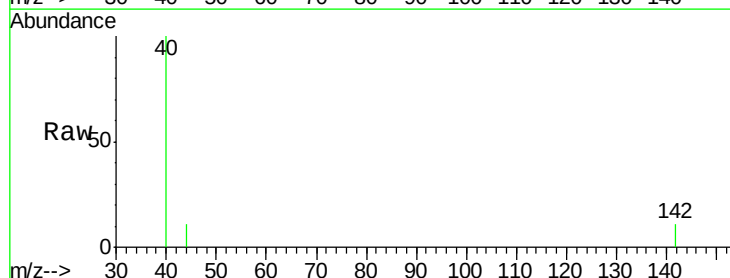
Tgt Ion:142 Resp: 2985

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



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

3.31

1000

800

600

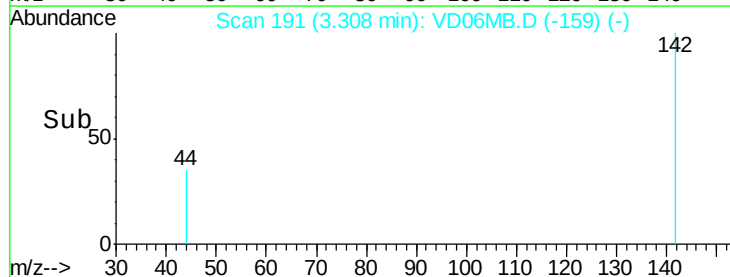
400

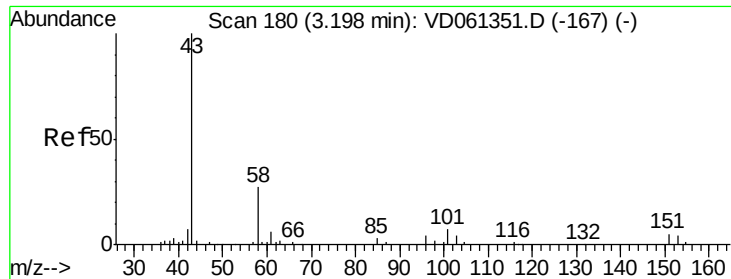
200

0

3.25 3.30 3.35 3.40

Time-->





#16

Acetone

Concen: 1.319 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

Instrument :

MSVOA_D

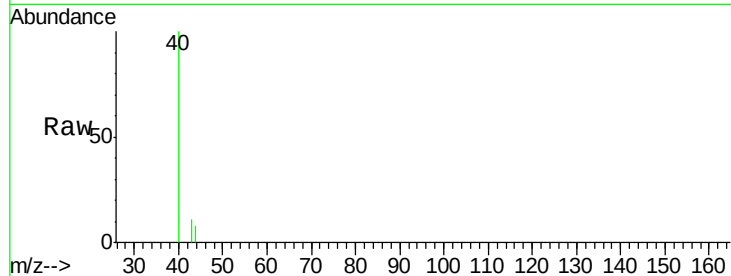
ClientSampleId :

Tot Ion: 43 Resp: 1981

Ion Ratio Lower Upper

43 100

58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

800

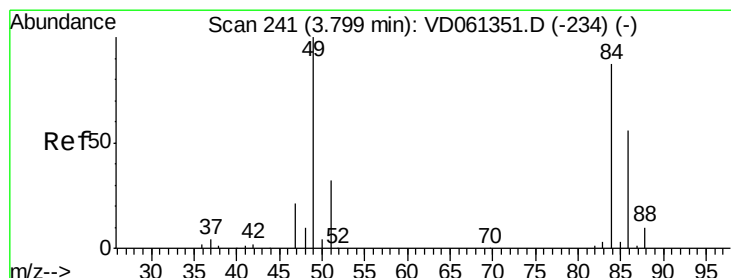
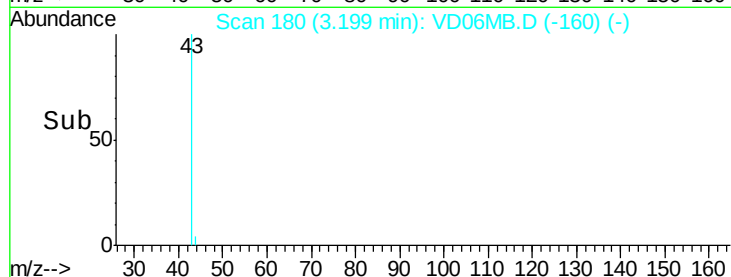
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 2.055 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

Tgt Ion: 84 Resp: 32781

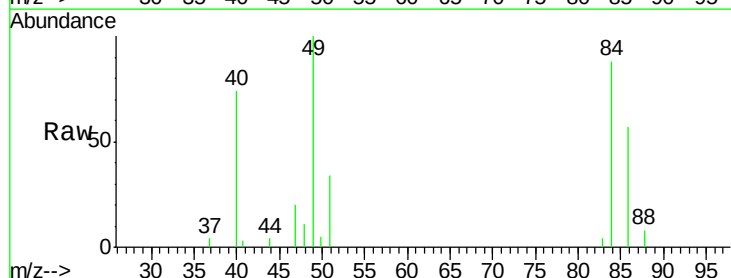
Ion Ratio Lower Upper

84 100

49 113.3 91.8 137.8

51 38.6 29.8 44.8

86 64.6 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

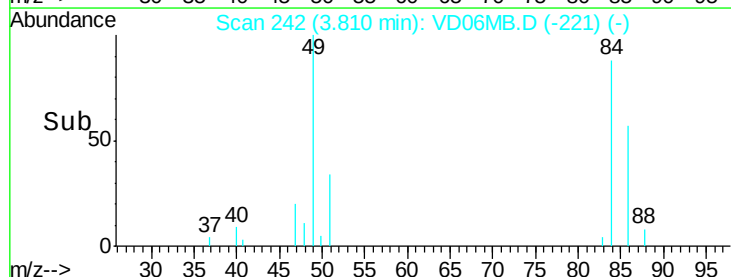
15000

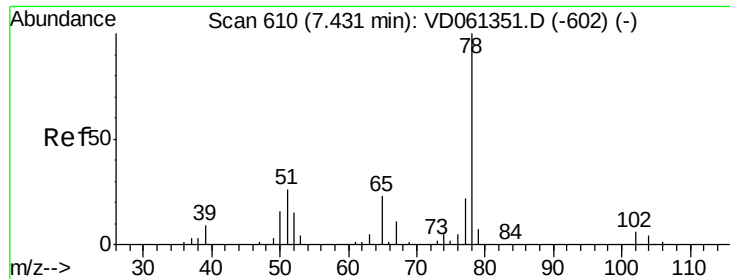
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

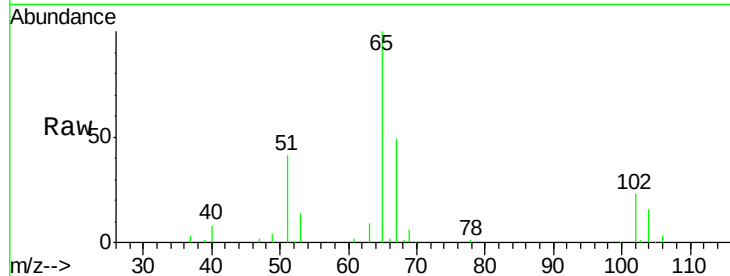
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 322721

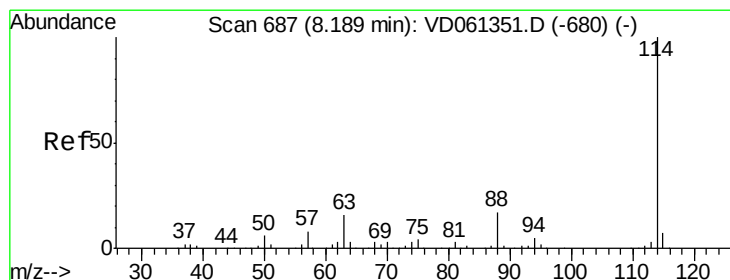
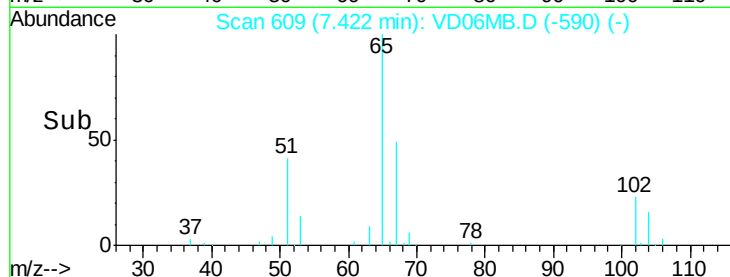
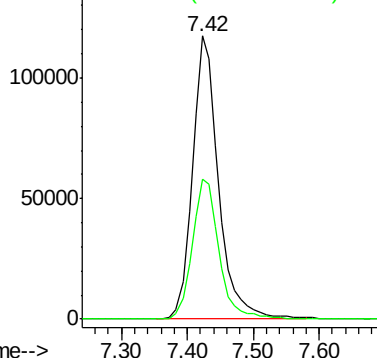
Ion Ratio Lower Upper

65 100

67 49.5 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: 8.19 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

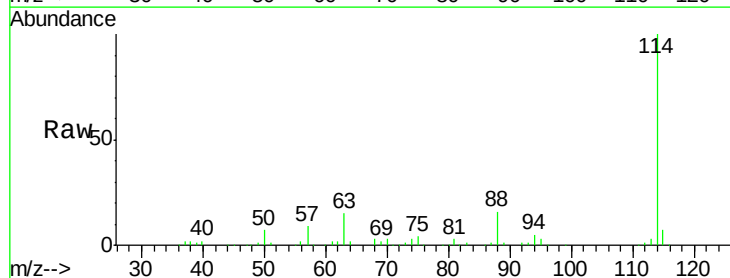
Tgt Ion:114 Resp: 1058323

Ion Ratio Lower Upper

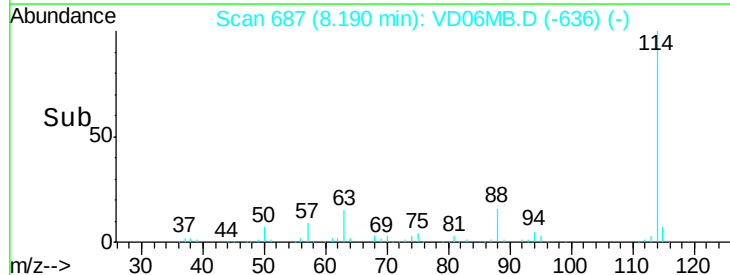
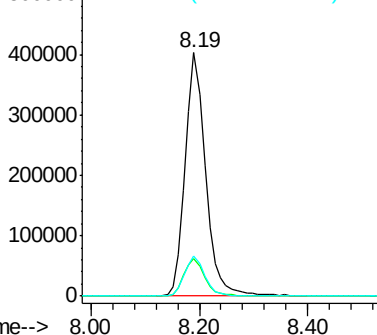
114 100

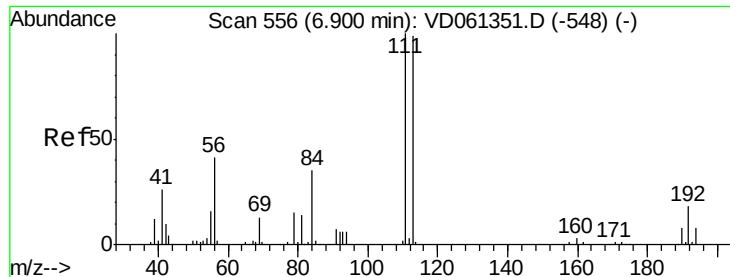
63 15.4 0.0 31.6

88 16.5 0.0 33.4



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: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :

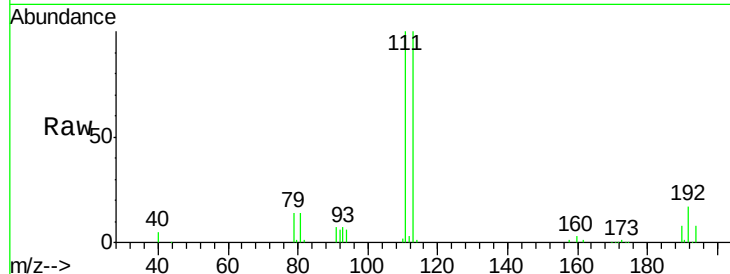
Tot Ion:113 Resp: 496116

Ion Ratio Lower Upper

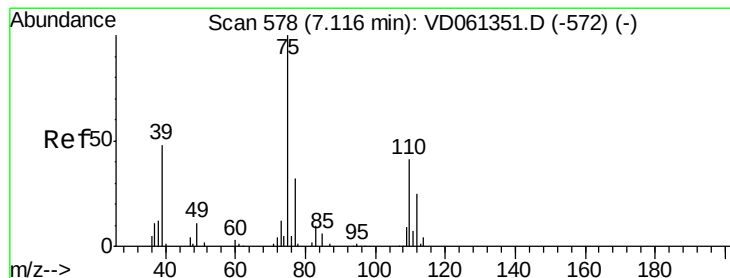
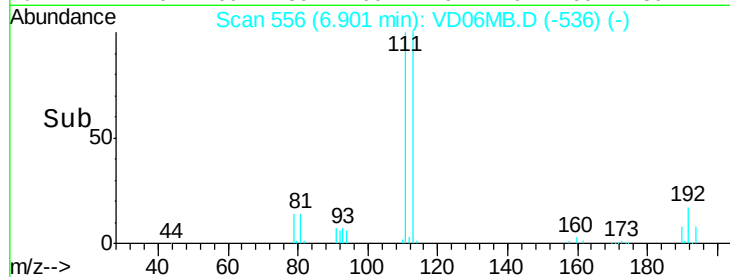
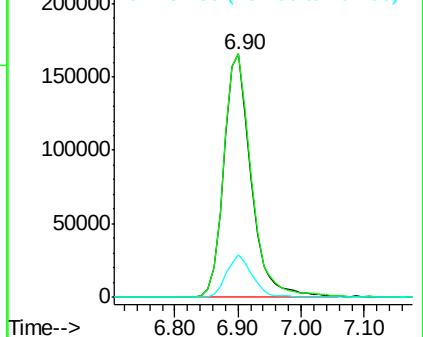
113 100

111 100.2 81.0 121.6

192 17.4 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



#36

1,1-Dichloropropene

Concen: 5.168 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

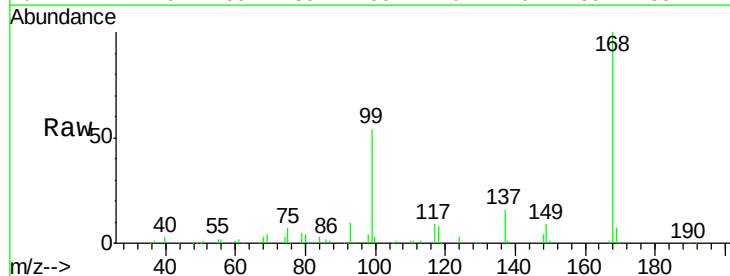
Tgt Ion: 75 Resp: 47732

Ion Ratio Lower Upper

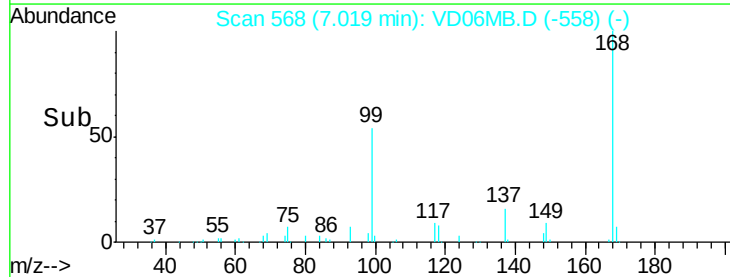
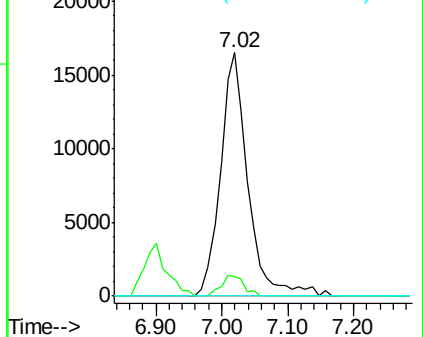
75 100

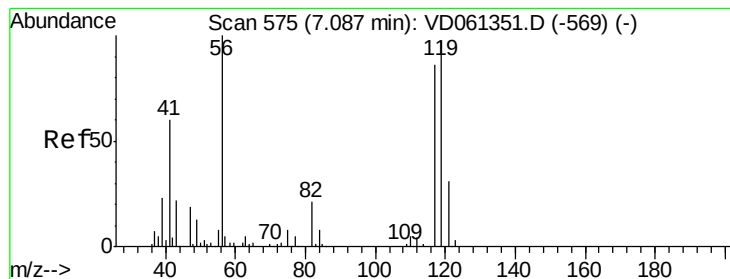
110 7.9 20.4 61.3#

77 0.0 24.9 37.3#



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: 6.181 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.07 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

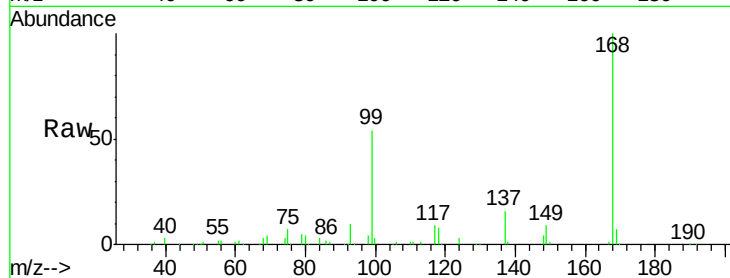
Tot Ion:117 Resp: 65008

Ion Ratio Lower Upper

117 100

119 4.4 80.1 120.1#

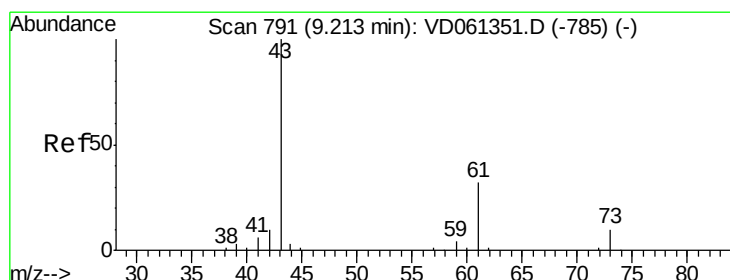
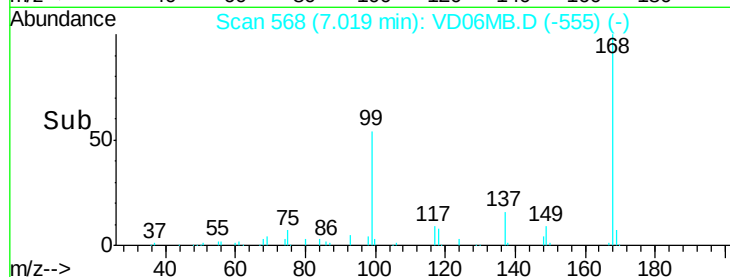
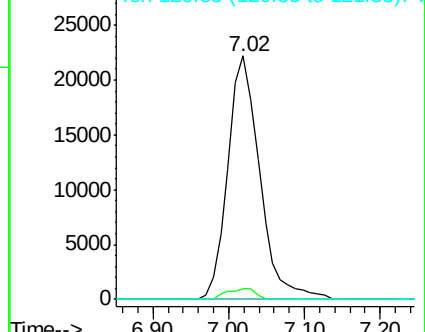
121 0.0 25.6 38.4#



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



#43

Isopropyl Acetate

Concen: 3.951 ug/l

RT: 9.52 min Scan# 822

Delta R.T. 0.31 min

Lab File: VD06MB.D

Acq: 27 Mar 2019 23:56

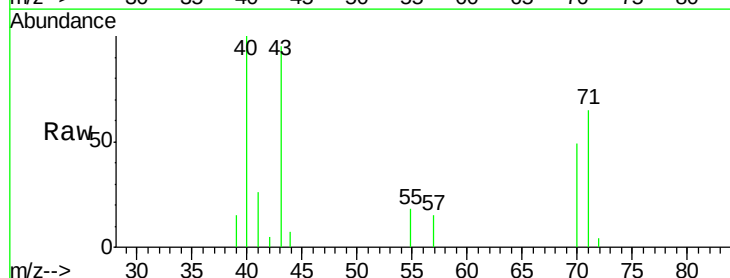
Tgt Ion: 43 Resp: 22709

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

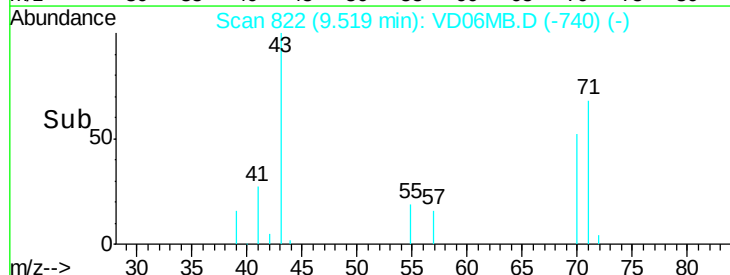
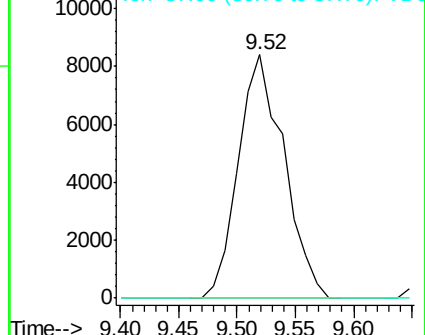
87 0.0 0.0 0.0

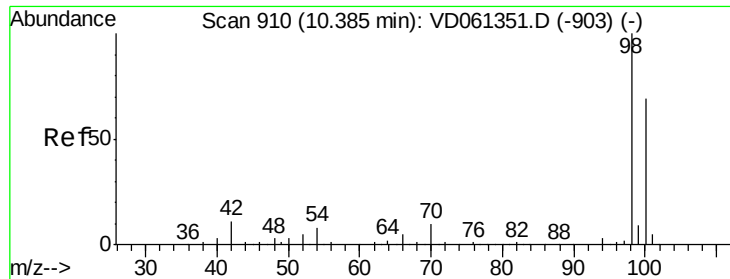


Abundance Ion 42.95 (42.65 to 43.65): V

Ion 60.95 (60.65 to 61.65): V

Ion 87.00 (86.70 to 87.70): V

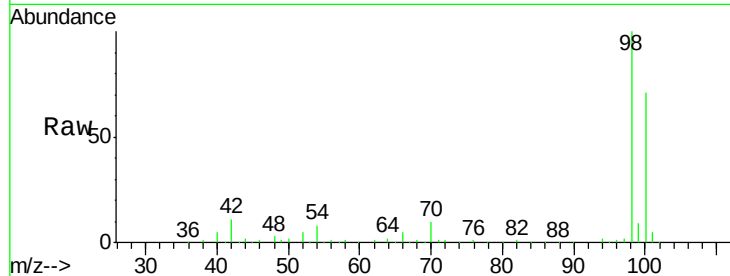




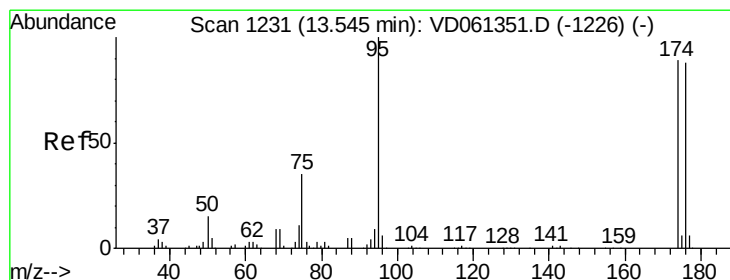
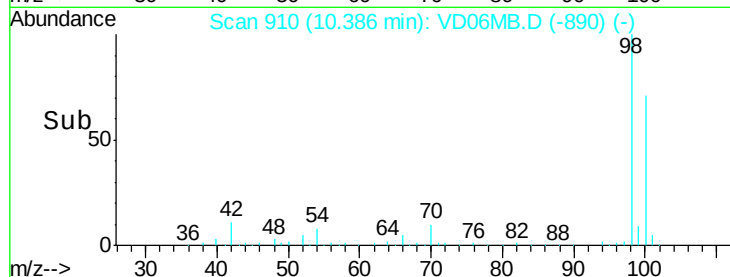
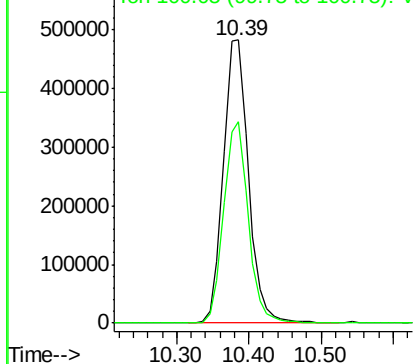
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD06MB.D
Acq: 27 Mar 2019 23:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1168262
Ion Ratio Lower Upper
98 100
100 71.1 56.2 84.2

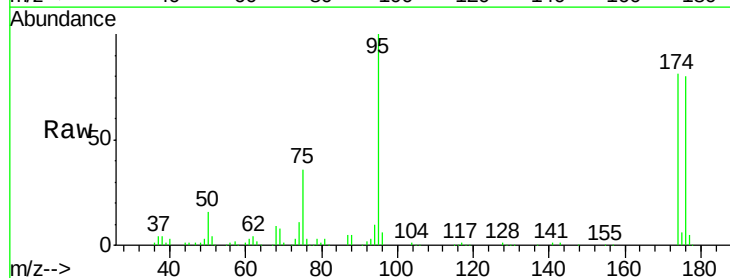


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

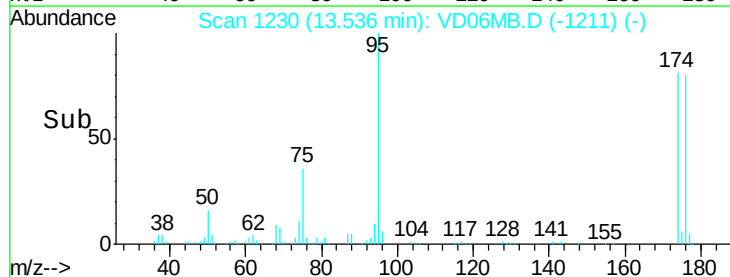
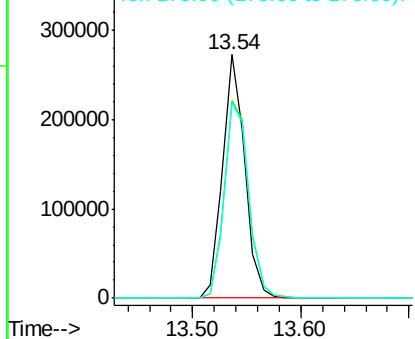


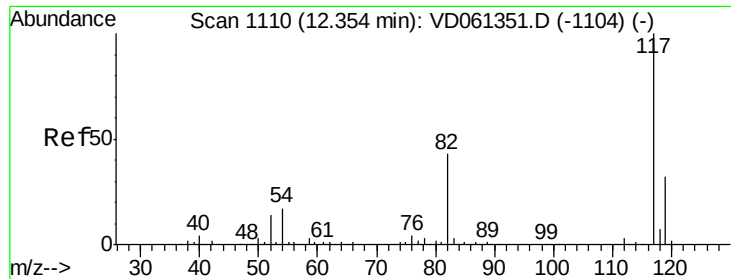
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD06MB.D
Acq: 27 Mar 2019 23:56

Tgt Ion: 95 Resp: 390543
Ion Ratio Lower Upper
95 100
174 81.2 0.0 178.0
176 79.9 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

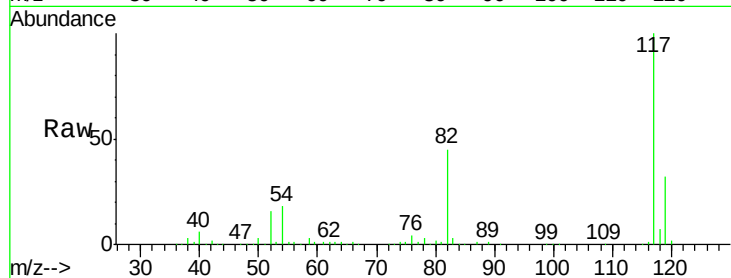




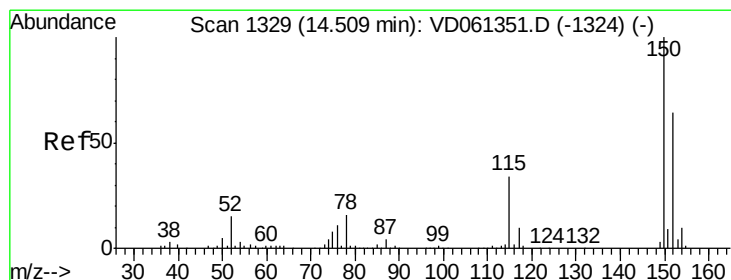
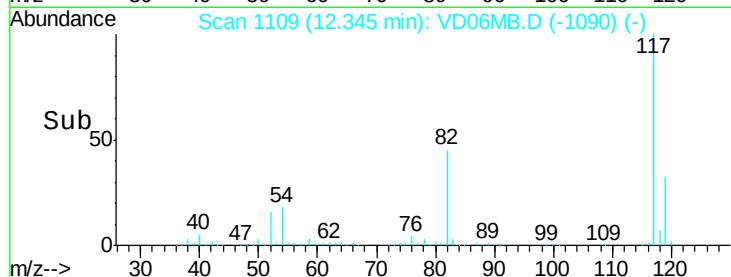
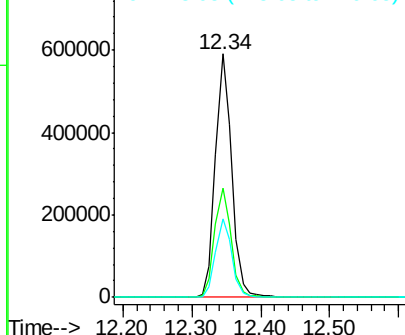
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD06MB.D
Acq: 27 Mar 2019 23:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 972705
Ion Ratio Lower Upper
117 100
82 45.0 34.4 51.6
119 32.1 25.8 38.6

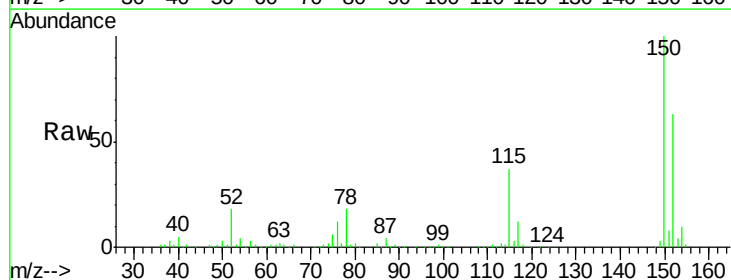


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

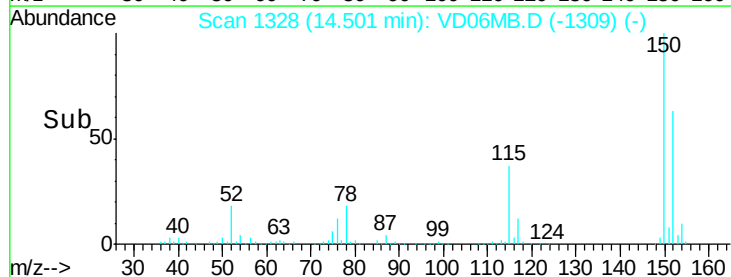
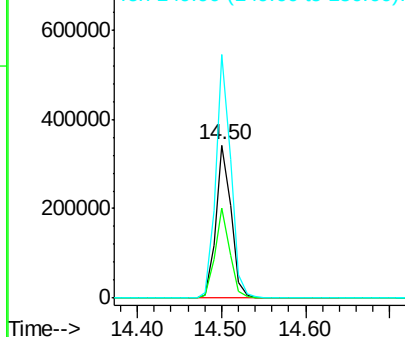


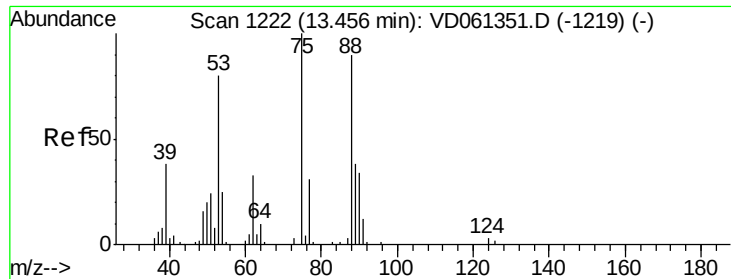
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD06MB.D
Acq: 27 Mar 2019 23:56

Tgt Ion:152 Resp: 428544
Ion Ratio Lower Upper
152 100
115 58.7 26.9 80.6
150 158.8 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

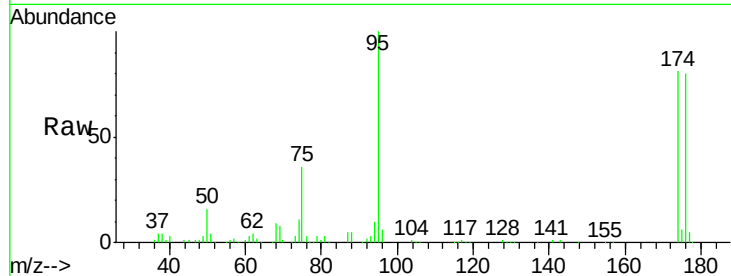




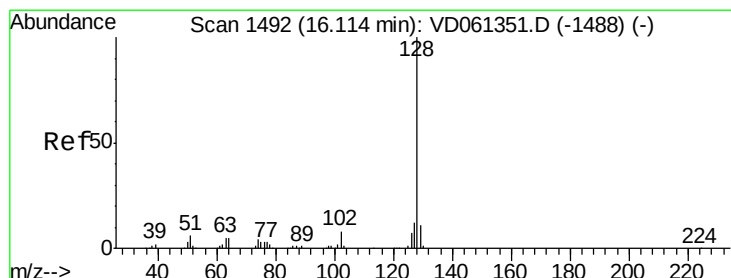
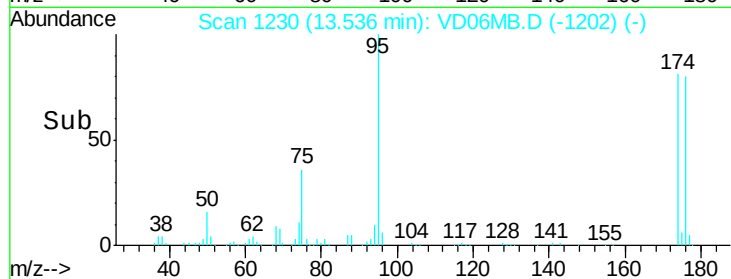
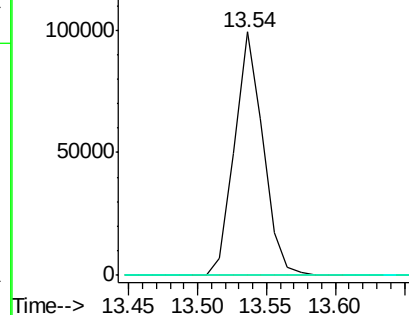
#81
trans-1,4-Dichloro-2-butene
Concen: 75.505 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. 0.08 min
Lab File: VD06MB.D
Acq: 27 Mar 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.8#
89	0.0	30.5	45.7#

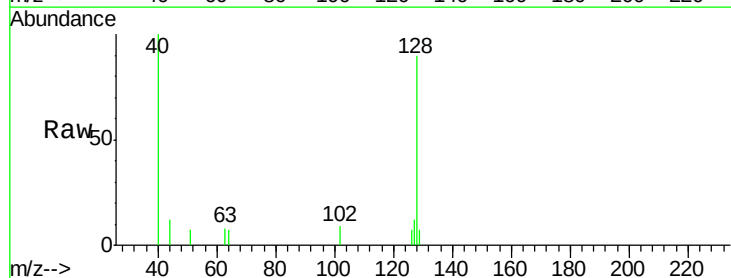


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

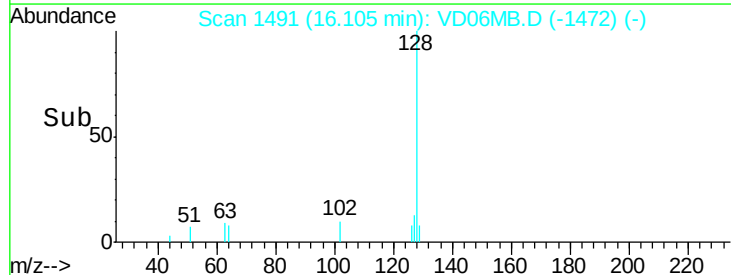
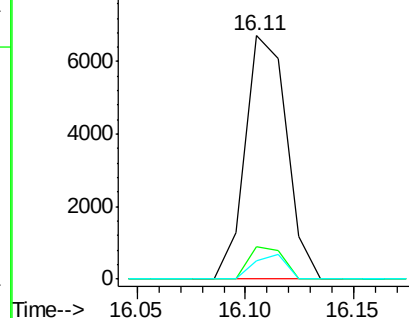


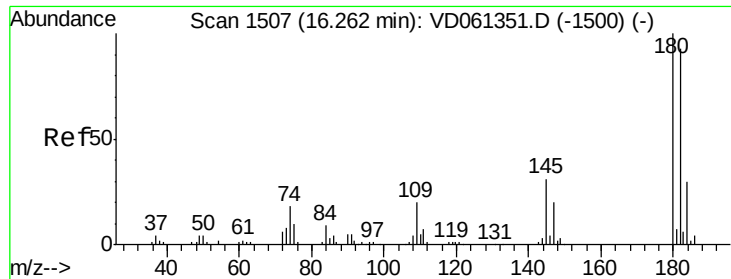
#95
Naphthalene
Concen: 1.058 ug/l
RT: 16.11 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VD06MB.D
Acq: 27 Mar 2019 23:56

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.9	14.9
129	7.7	8.9	13.3#



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

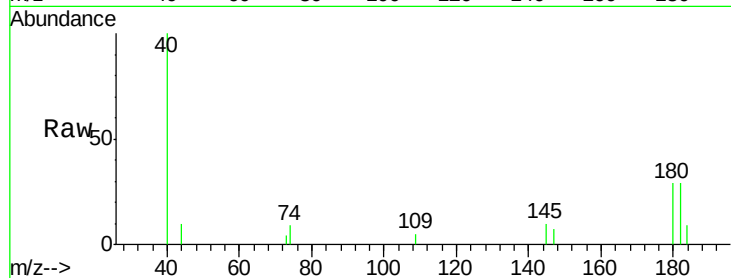




#96
 1,2,3-Trichlorobenzene
 Concen: 1.034 ug/l
 RT: 16.25 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VD06MB.D
 Acq: 27 Mar 2019 23:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	46.4	139.1
145	35.1	15.3	45.9



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

