

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062158.D
 Acq On : 8 May 2019 4:17
 Operator : FY/SY
 Sample : K2672-03
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-1.0-1.5

Quant Time: May 08 05:15:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	18343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	31806	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	27013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	9120	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	20948	122.89	ug/l	0.00
Spiked Amount			Recovery	=	245.78%	
35) Dibromofluoromethane	6.91	113	15939	60.40	ug/l	0.01
Spiked Amount			Recovery	=	120.80%	
50) Toluene-d8	10.39	98	20892	32.83	ug/l	0.00
Spiked Amount			Recovery	=	65.66%	
62) 4-Bromofluorobenzene	13.54	95	9491	37.15	ug/l	0.00
Spiked Amount			Recovery	=	74.30%	

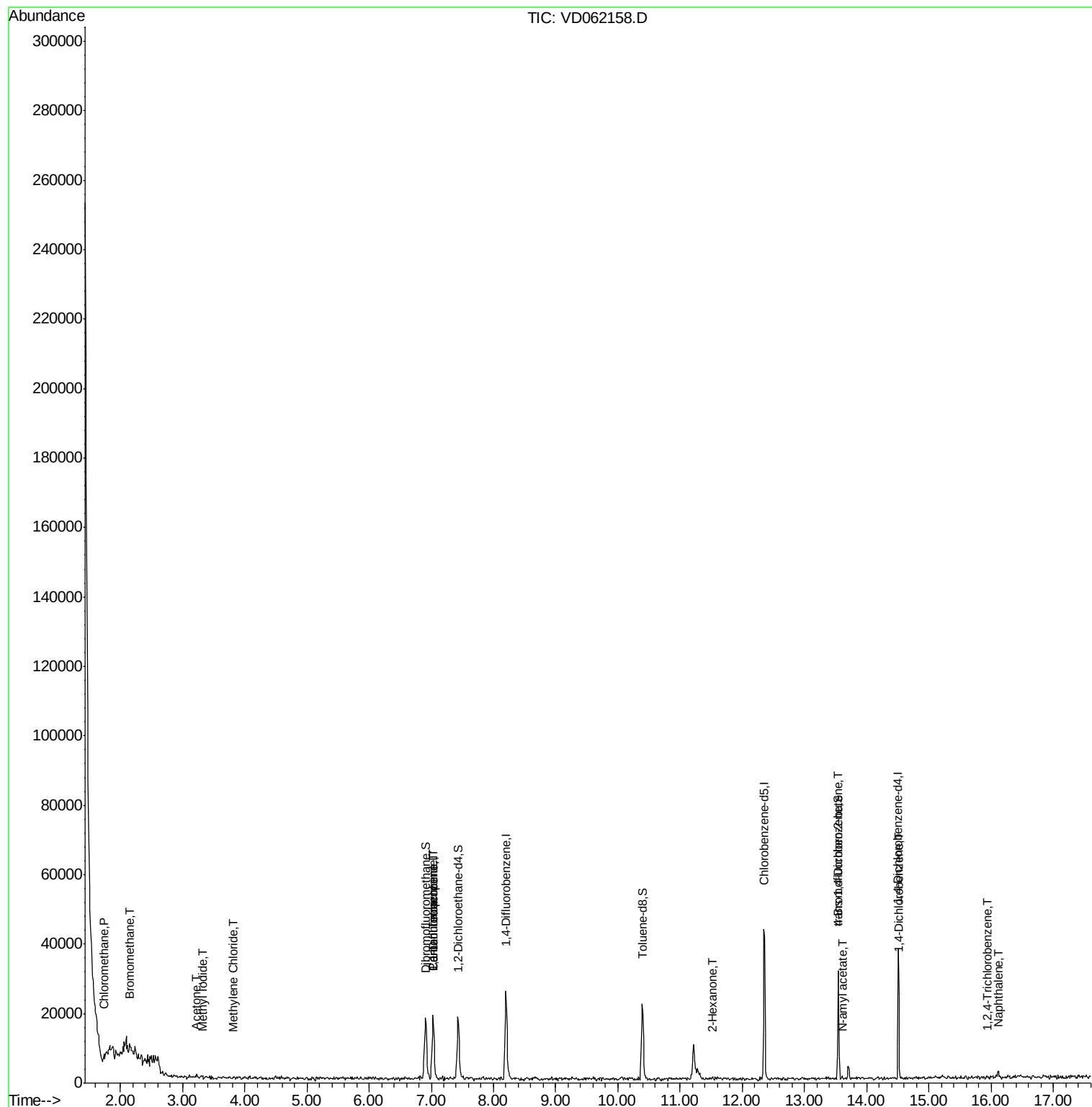
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.74	50	373	2.942	ug/l #	43
5) Bromomethane	2.15	94	1003	34.359	ug/l #	12
10) Methyl Iodide	3.32	142	1029	3.716	ug/l #	37
16) Acetone	3.23	43	486	13.595	ug/l #	50
20) Methylene Chloride	3.81	84	202	1.353	ug/l #	8
36) 1,1-Dichloropropene	7.02	75	1040	3.988	ug/l #	40
38) Carbon Tetrachloride	7.02	117	1328	3.679	ug/l #	12
59) 2-Hexanone	11.51	43	185	2.490	ug/l #	27
74) N-amyl acetate	13.61	43	240	1.674	ug/l #	49
81) trans-1,4-Dichloro-2-buten	13.54	75	3962	129.488	ug/l #	16
88) 1,4-Dichlorobenzene	14.52	146	360	1.311	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.93	180	267	1.593	ug/l #	11
95) Naphthalene	16.12	128	1800	7.694	ug/l #	70

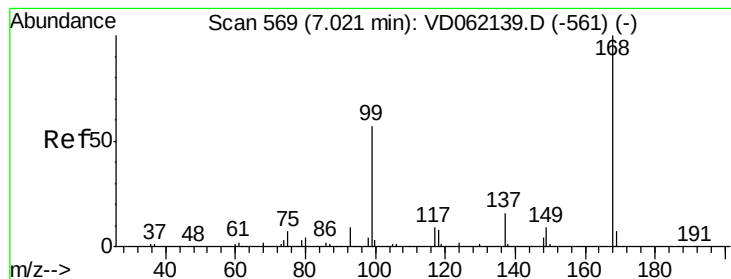
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 08 05:15:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

Instrument :

MSVOA_D

ClientSampleId :

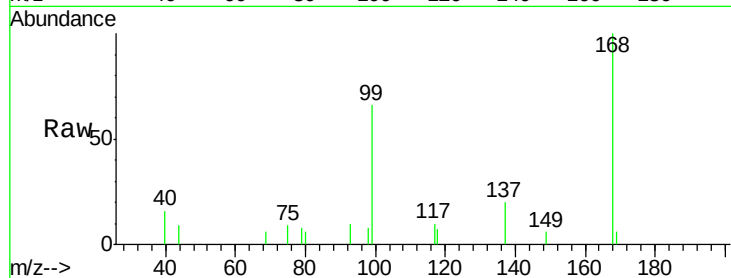
SB-02-1.0-1.5

Tot Ion:168 Resp: 18343

Ion Ratio Lower Upper

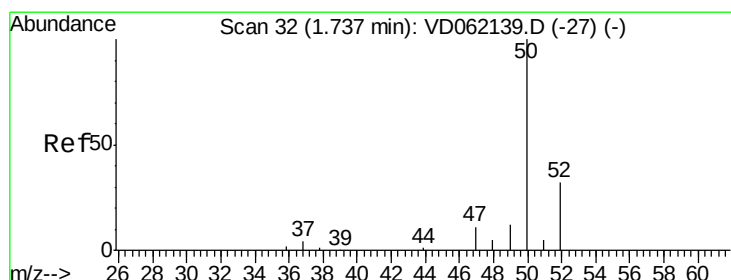
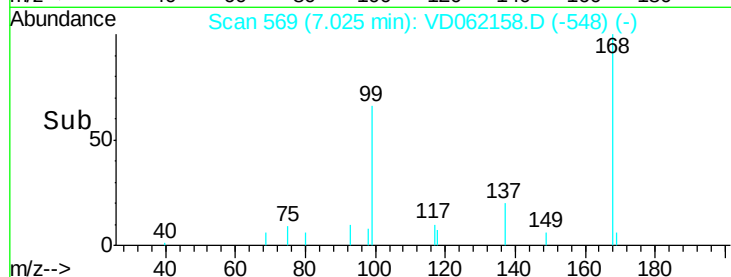
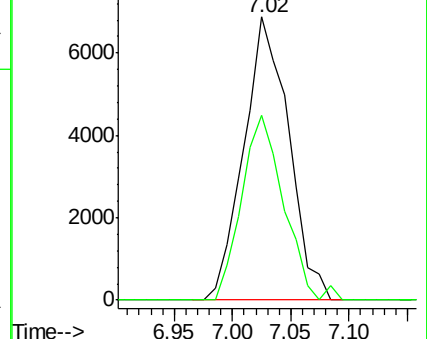
168 100

99 65.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 2.942 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062158.D

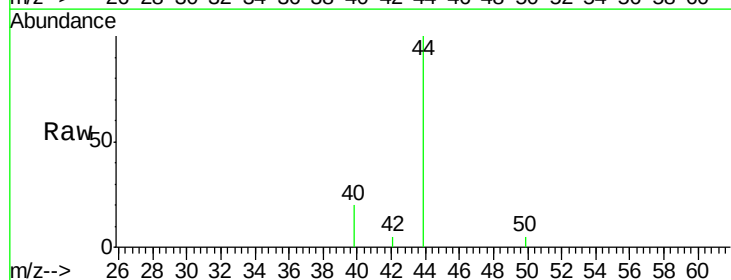
Acq: 8 May 2019 4:17

Tgt Ion: 50 Resp: 373

Ion Ratio Lower Upper

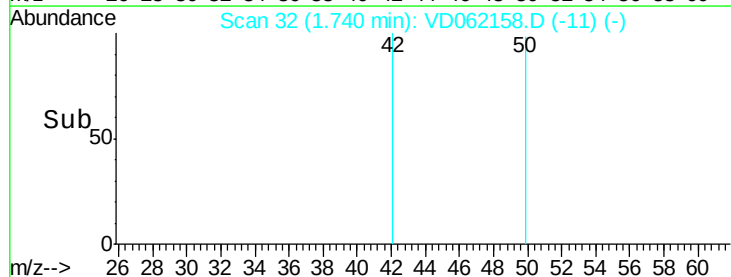
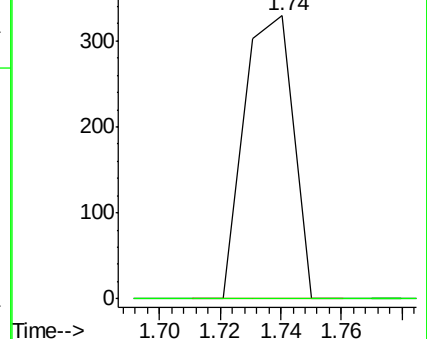
50 100

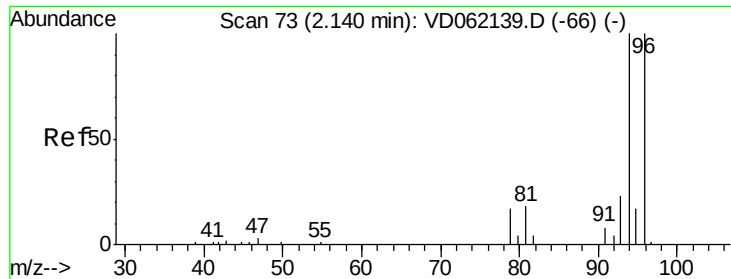
52 0.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 34.359 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

Instrument :

MSVOA_D

ClientSampleId :

SB-02-1.0-1.5

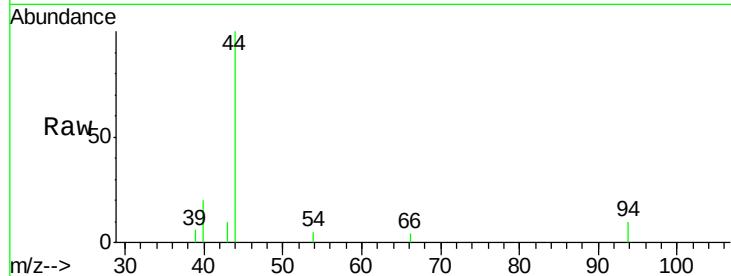
Tot Ion: 94 Resp: 1003

Ion Ratio Lower Upper

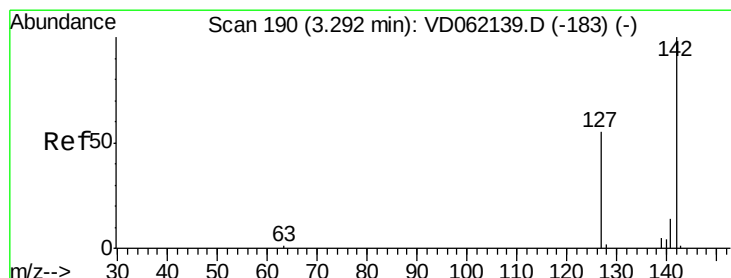
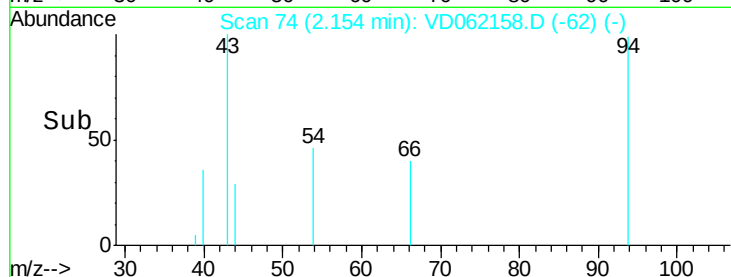
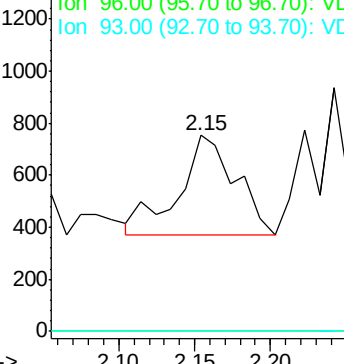
94 100

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

Methyl Iodide

Concen: 3.716 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

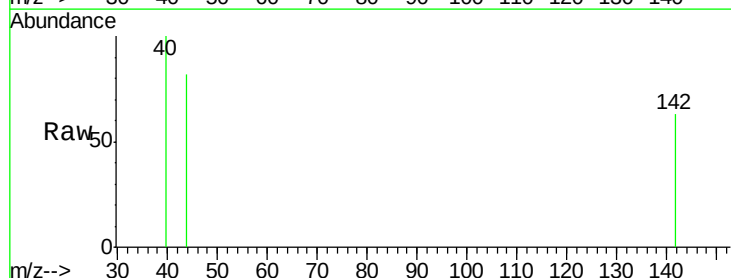
Tgt Ion: 142 Resp: 1029

Ion Ratio Lower Upper

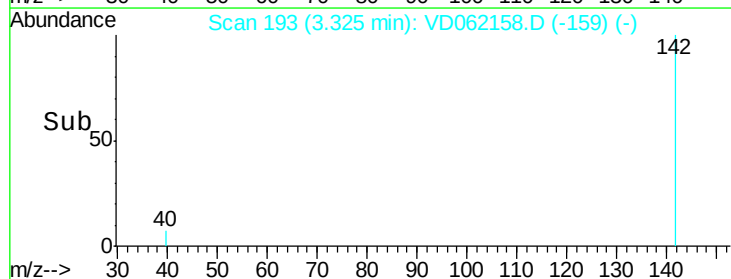
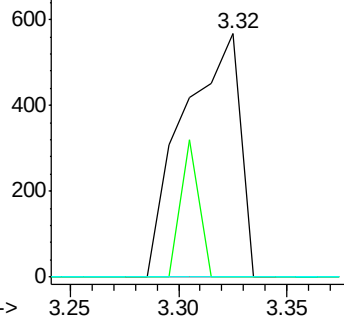
142 100

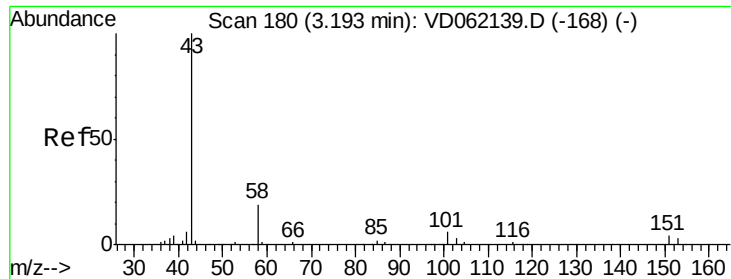
127 0.0 38.8 58.2#

141 0.0 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





#16

Acetone

Concen: 13.595 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

Instrument :

MSVOA_D

ClientSampleId :

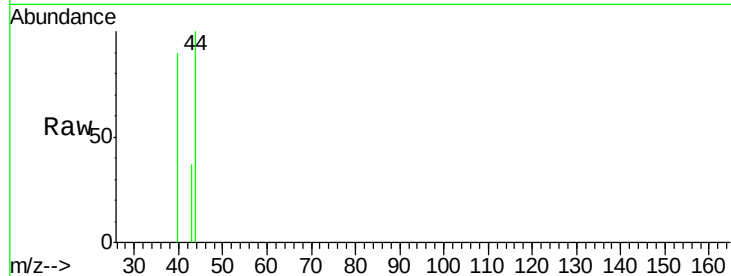
SB-02-1.0-1.5

Tot Ion: 43 Resp: 486

Ion Ratio Lower Upper

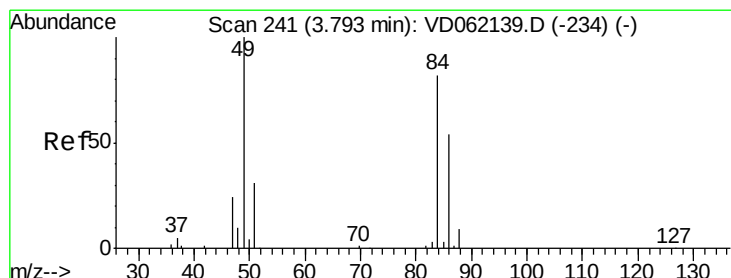
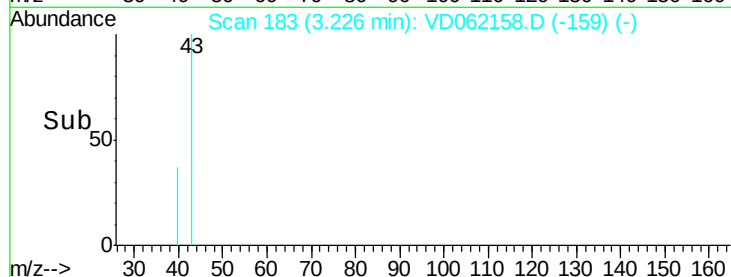
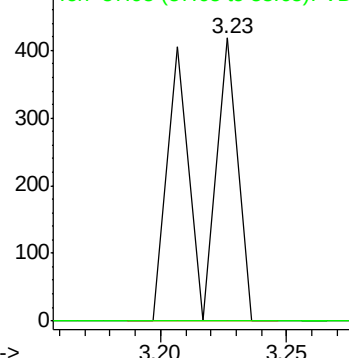
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.353 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

Tgt Ion: 84 Resp: 202

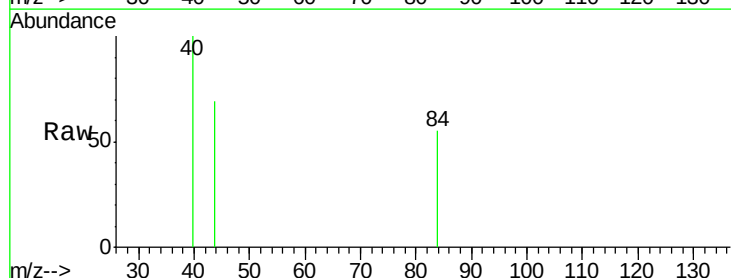
Ion Ratio Lower Upper

84 100

49 0.0 94.0 141.0#

51 0.0 29.0 43.4#

86 0.0 49.8 74.6#

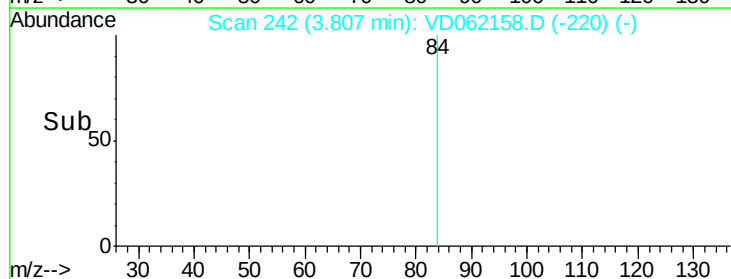
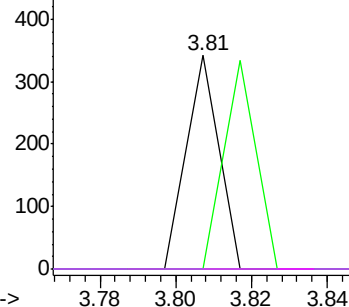


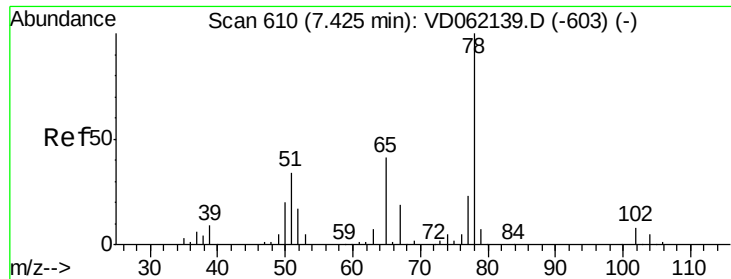
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

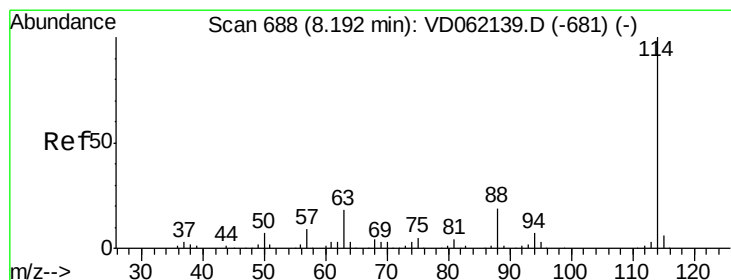
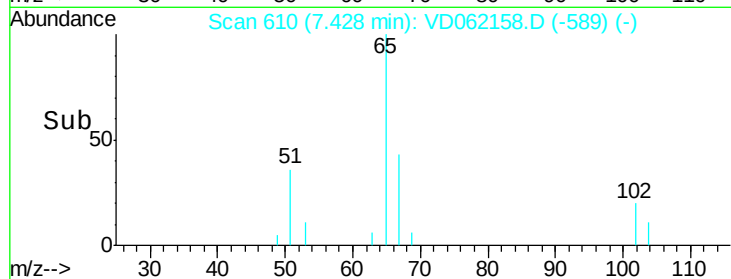
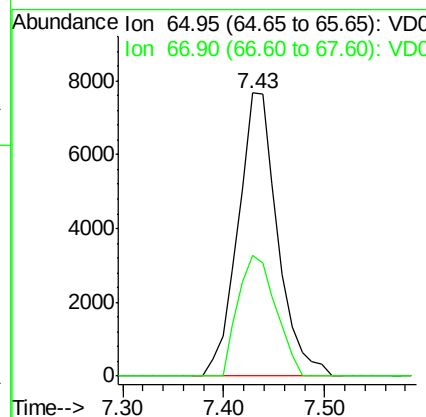
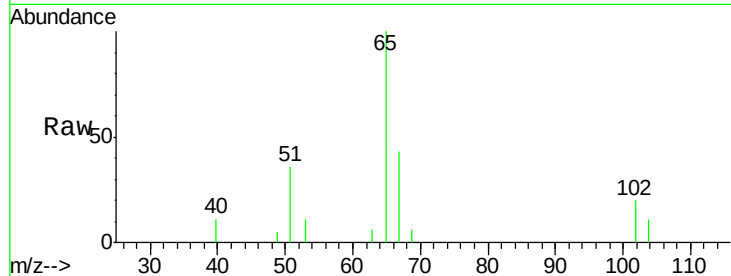




#33
 1,2-Dichloroethane-d4
 Concen: 122.888 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD062158.D
 Acq: 8 May 2019 4:17

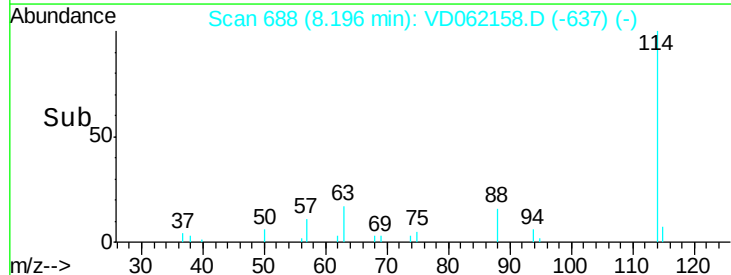
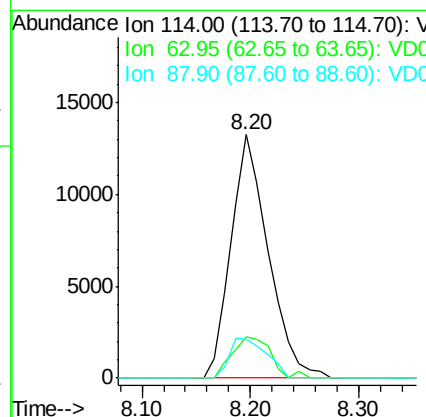
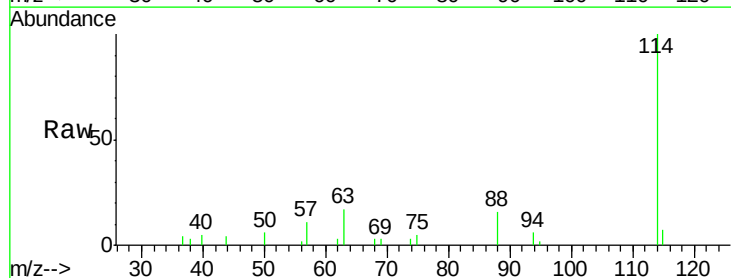
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-1.0-1.5

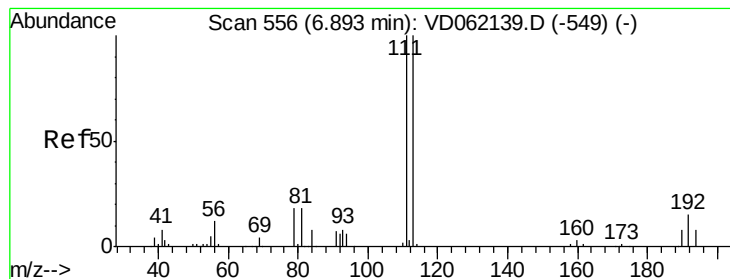
Tot Ion: 65 Resp: 20948
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD062158.D
 Acq: 8 May 2019 4:17

Tgt Ion: 114 Resp: 31806
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 32.4
 88 15.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 60.398 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

Instrument :

MSVOA_D

ClientSampleId :

SB-02-1.0-1.5

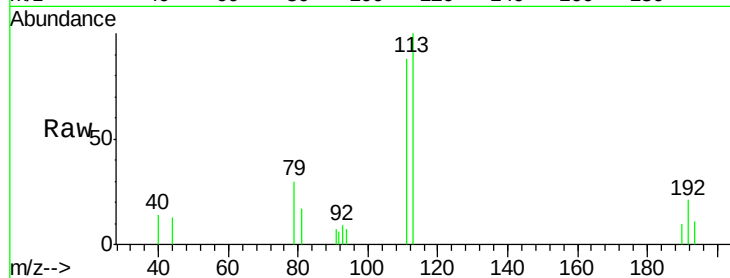
Tot Ion:113 Resp: 15939

Ion Ratio Lower Upper

113 100

111 88.4 78.5 117.7

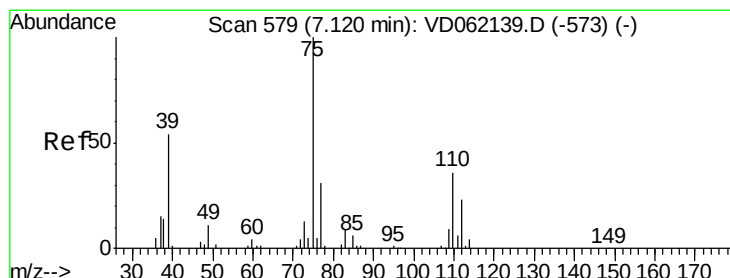
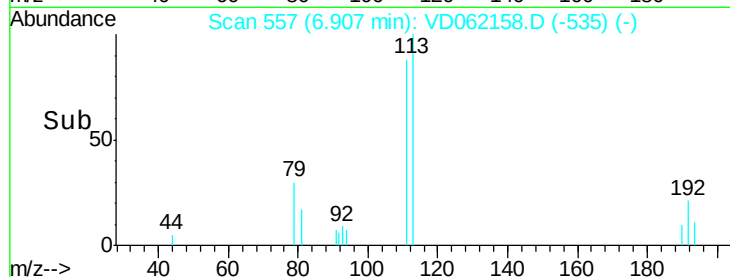
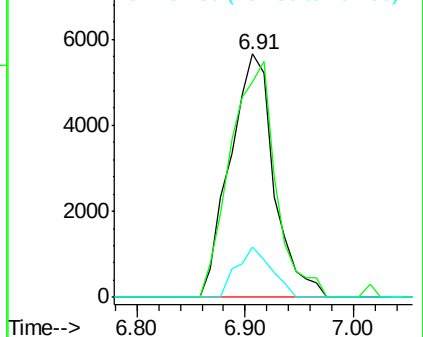
192 20.7 13.0 19.4#



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: 3.988 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

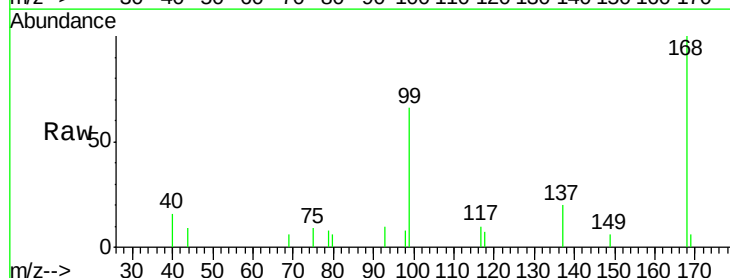
Tgt Ion: 75 Resp: 1040

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

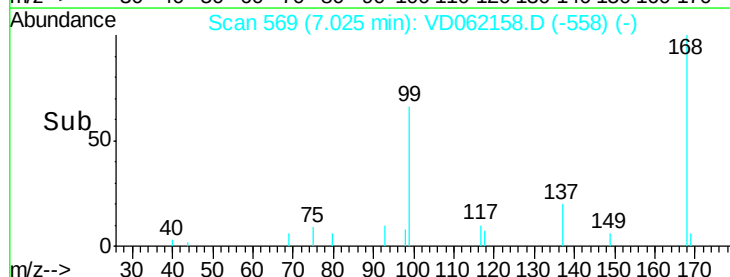
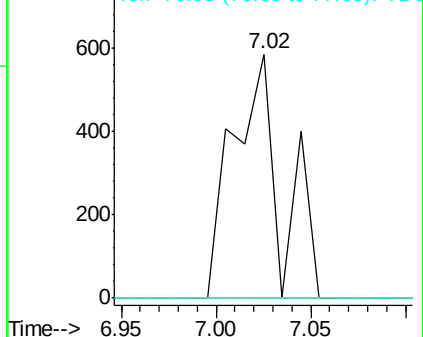
77 0.0 25.6 38.4#

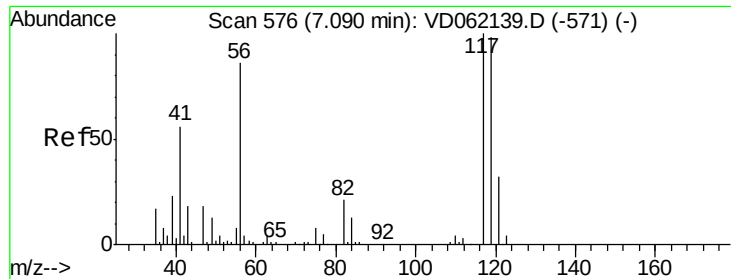


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 3.679 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

Instrument :

MSVOA_D

ClientSampleId :

SB-02-1.0-1.5

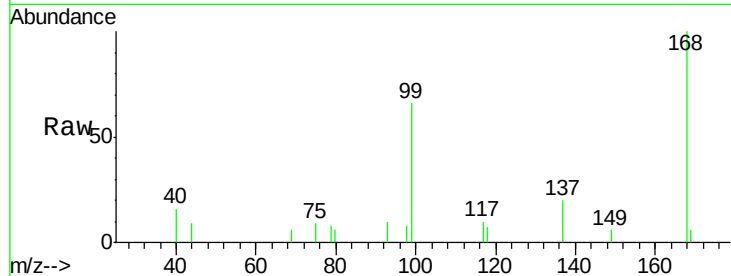
Tot Ion:117 Resp: 1328

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

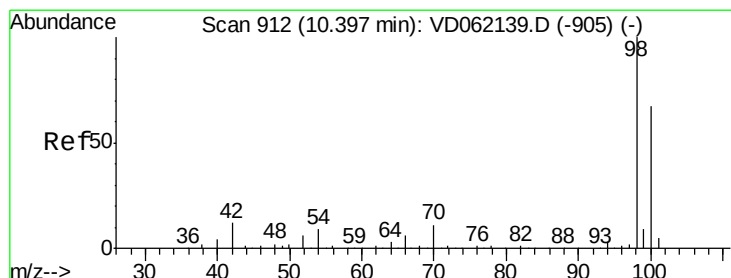
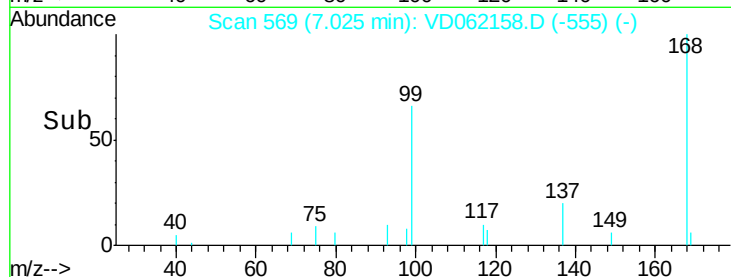
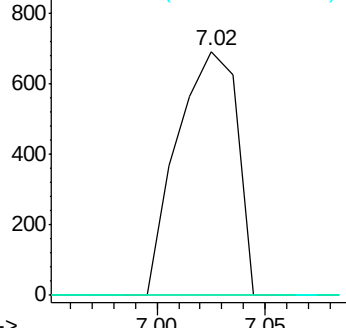
121 0.0 25.9 38.9#



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: 32.835 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD062158.D

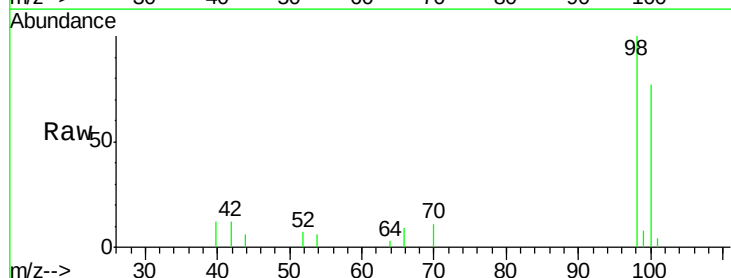
Acq: 8 May 2019 4:17

Tgt Ion: 98 Resp: 20892

Ion Ratio Lower Upper

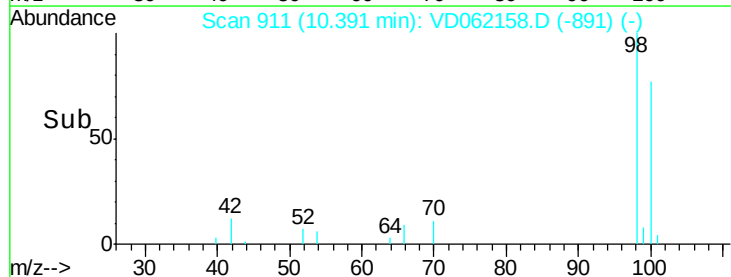
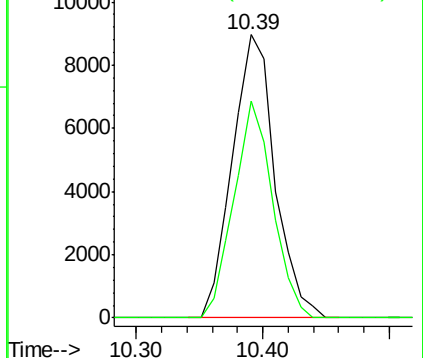
98 100

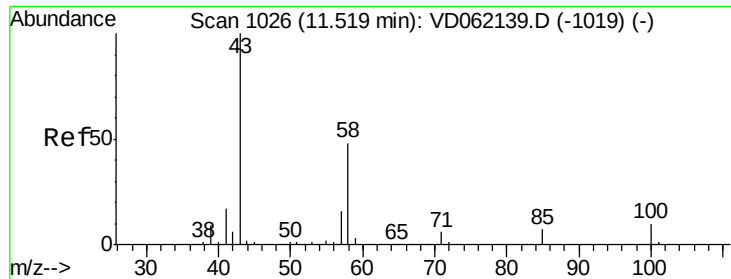
100 76.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

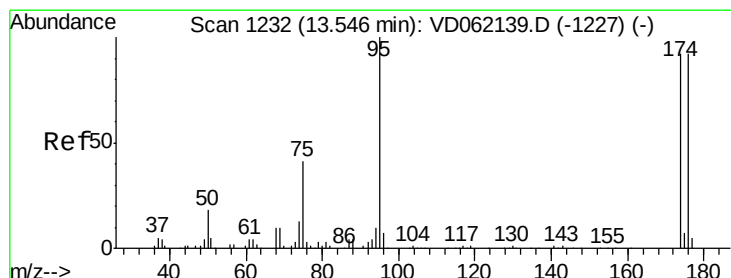
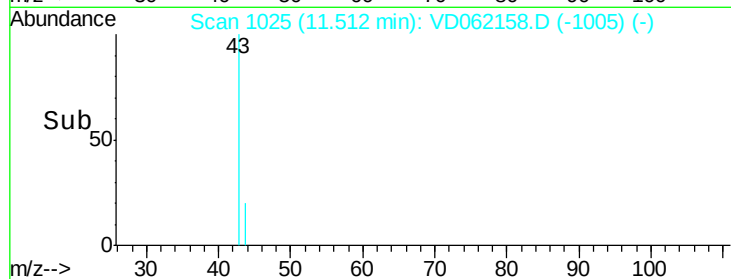
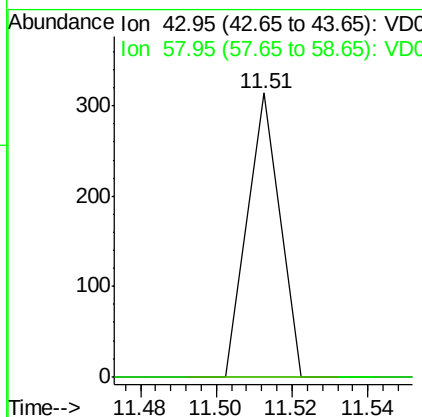
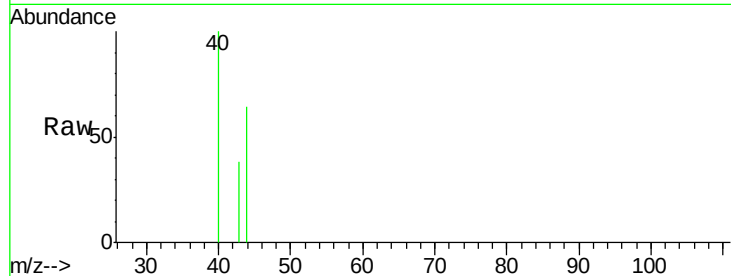




#59
2-Hexanone
Concen: 2.490 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD062158.D
Acq: 8 May 2019 4:17

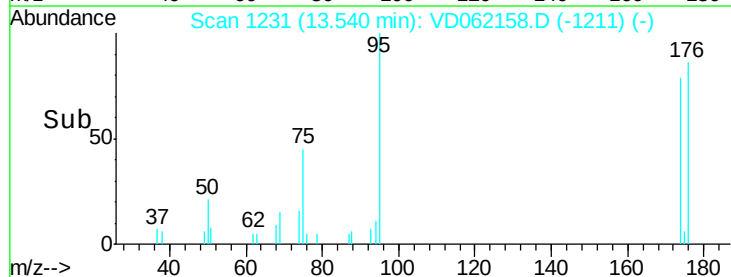
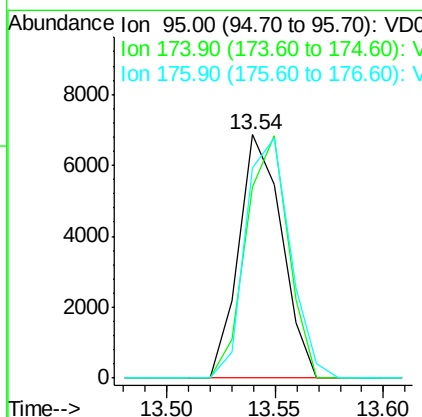
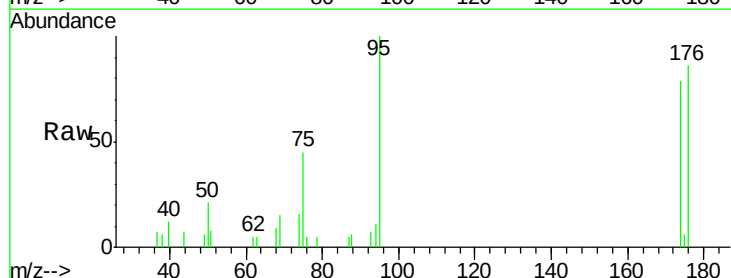
Instrument :
MSVOA_D
ClientSampleId :
SB-02-1.0-1.5

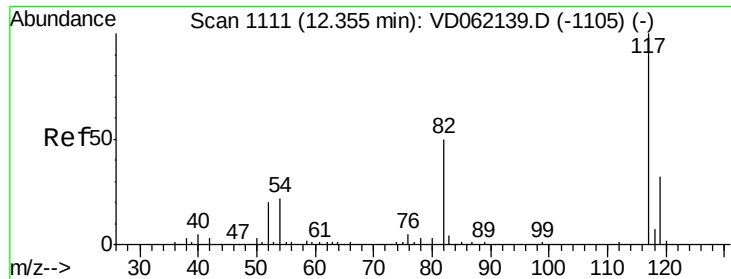
Tot Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 37.146 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062158.D
Acq: 8 May 2019 4:17

Tgt Ion: 95 Resp: 9491
Ion Ratio Lower Upper
95 100
174 78.7 0.0 181.8
176 86.2 0.0 174.4

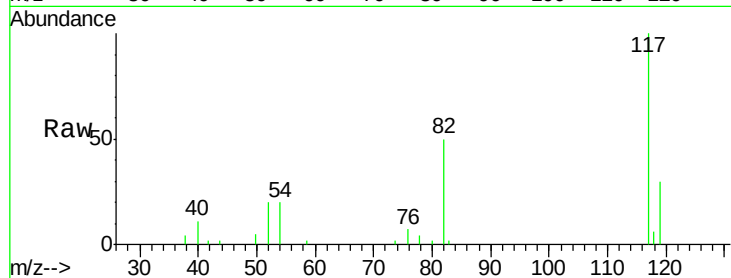




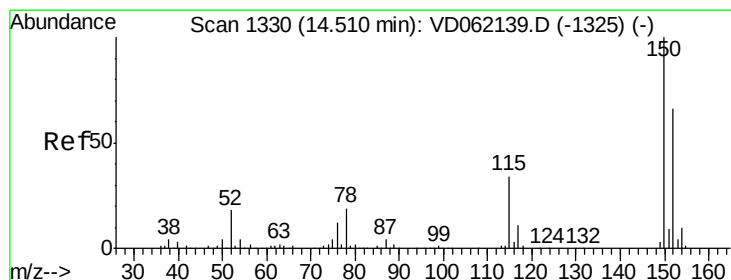
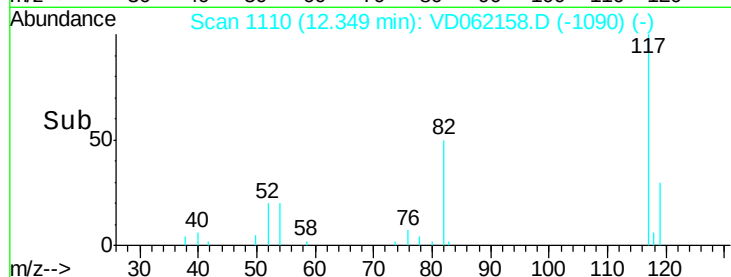
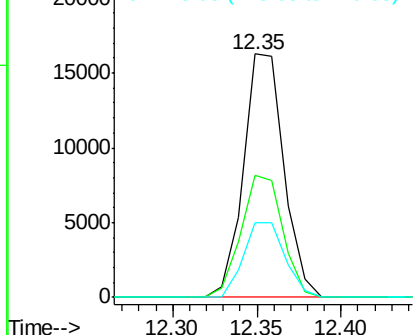
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062158.D
Acq: 8 May 2019 4:17

Instrument :
MSVOA_D
ClientSampleId :
SB-02-1.0-1.5

Tot Ion:117 Resp: 27013
Ion Ratio Lower Upper
117 100
82 50.3 36.2 54.2
119 30.4 26.2 39.4

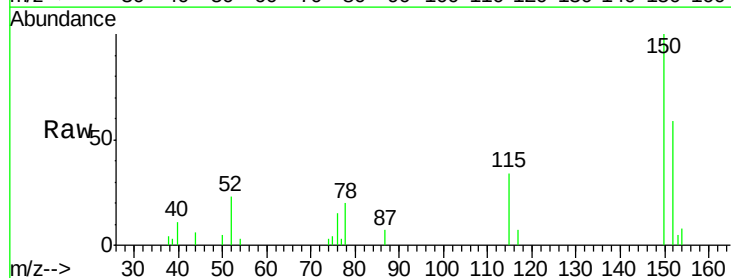


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

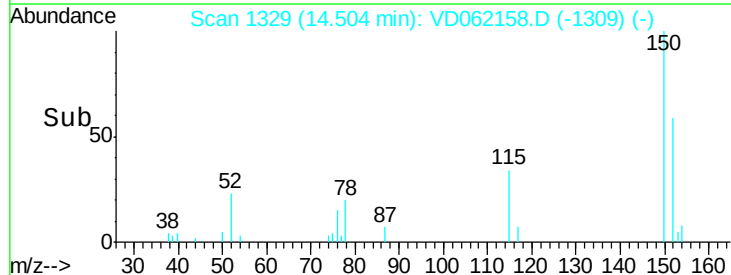
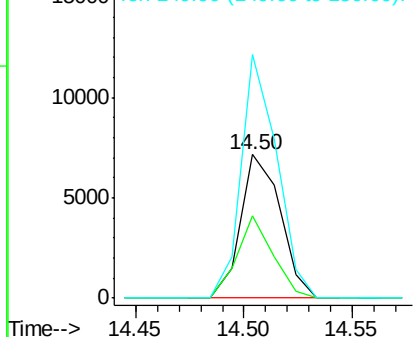


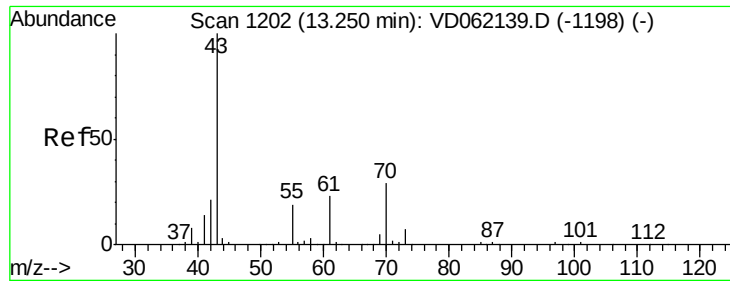
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062158.D
Acq: 8 May 2019 4:17

Tgt Ion:152 Resp: 9120
Ion Ratio Lower Upper
152 100
115 57.0 30.9 92.7
150 169.7 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

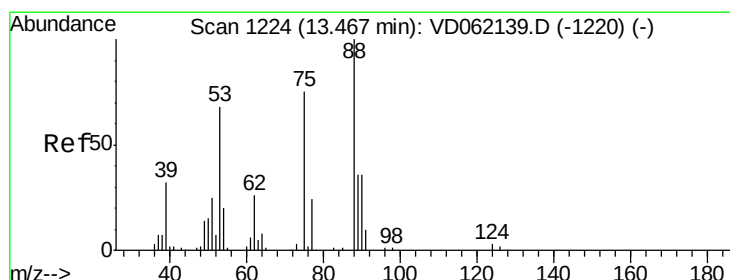
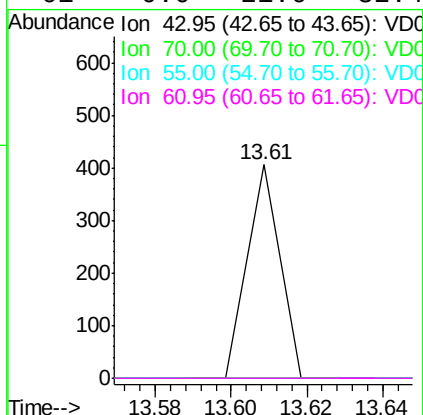
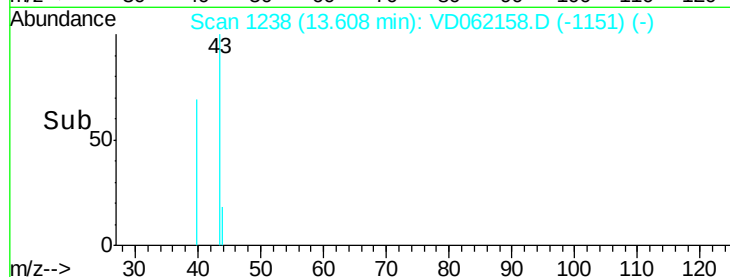
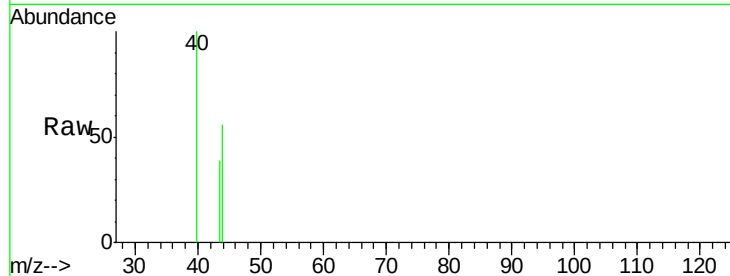




#74
N-amvl acetate
Concen: 1.674 ug/l
RT: 13.61 min Scan# 1238
Delta R.T. 0.36 min
Lab File: VD062158.D
Acq: 8 May 2019 4:17

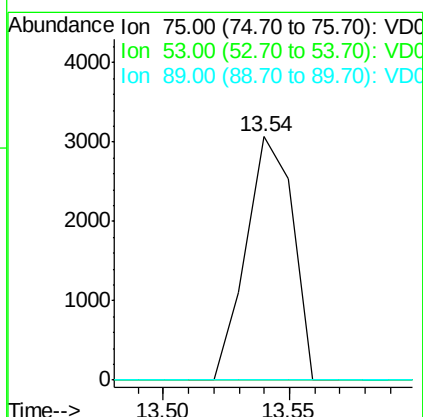
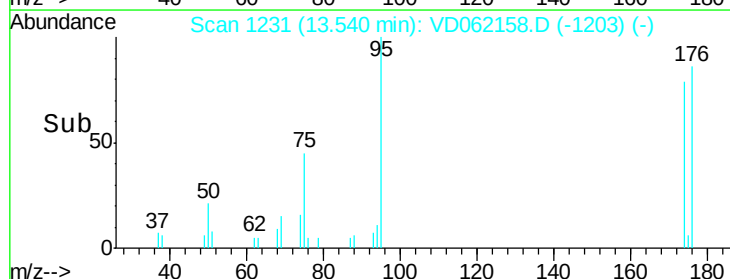
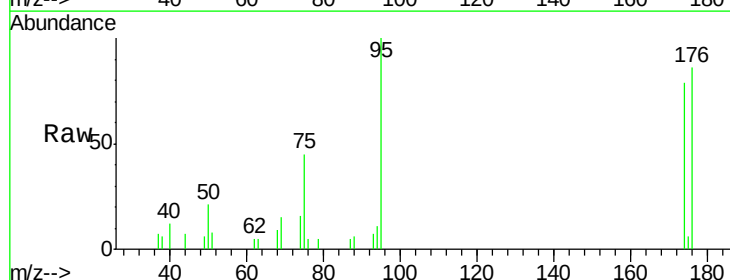
Instrument :
MSVOA_D
ClientSampleId :
SB-02-1.0-1.5

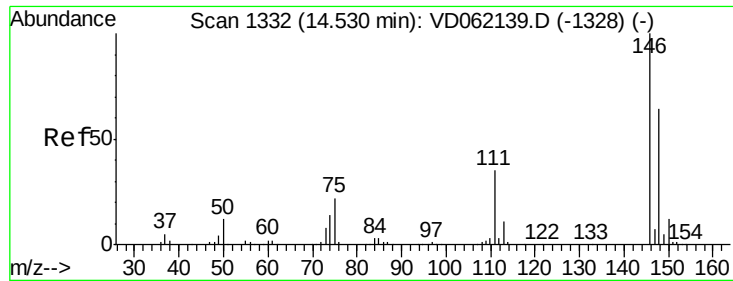
Tot Ion:	43	Resp:	240
Ion	Ratio	Lower	Upper
43	100		
70	0.0	24.2	36.4#
55	0.0	16.0	24.0#
61	0.0	21.6	32.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.488 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD062158.D
Acq: 8 May 2019 4:17

Tgt Ion:	75	Resp:	3962
Ion	Ratio	Lower	Upper
75	100		
53	0.0	65.8	98.8#
89	0.0	35.0	52.6#





#88

1,4-Dichlorobenzene

Concen: 1.311 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

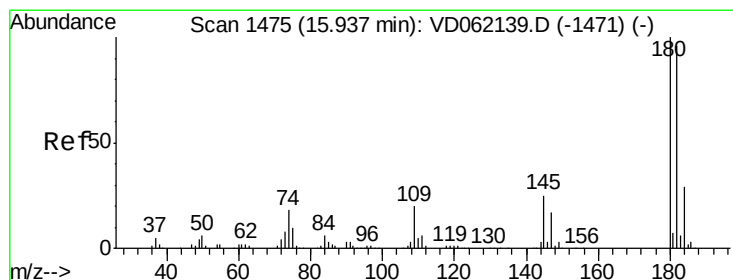
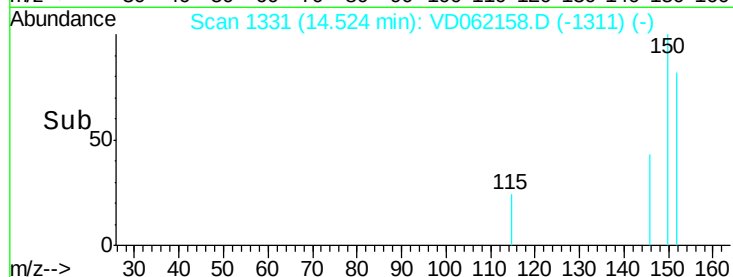
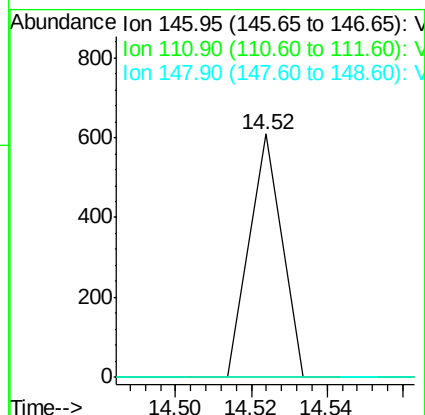
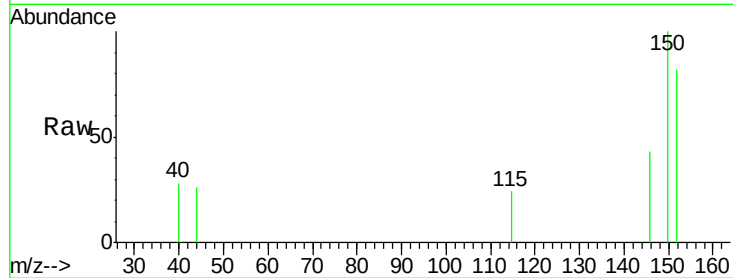
Instrument :

MSVOA_D

ClientSampleId :

SB-02-1.0-1.5

Tot Ion:	146	Resp:	360
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.2	60.5#
148	0.0	32.0	96.2#



#93

1,2,4-Trichlorobenzene

Concen: 1.593 ug/l

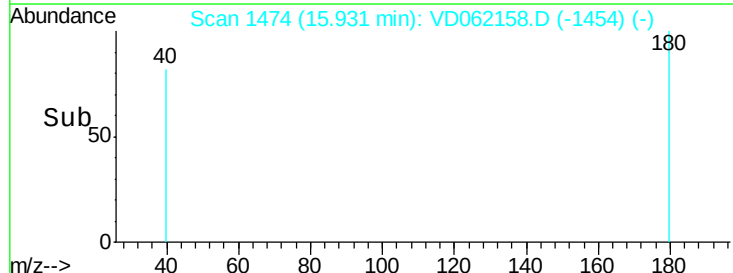
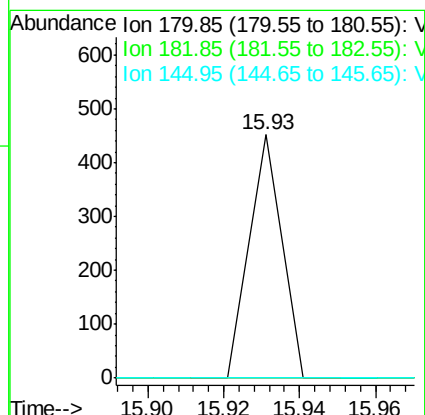
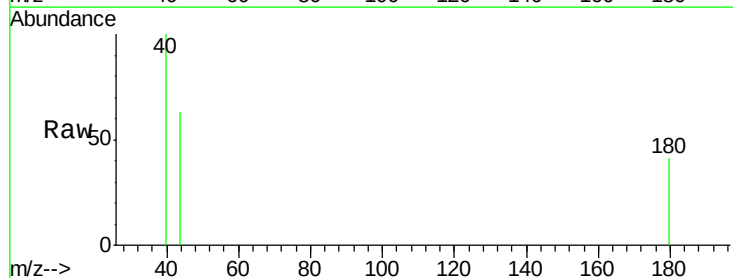
RT: 15.93 min Scan# 1474

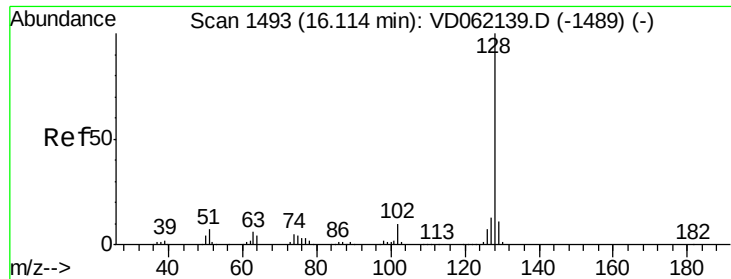
Delta R.T. -0.01 min

Lab File: VD062158.D

Acq: 8 May 2019 4:17

Tgt Ion:	180	Resp:	267
Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.3	147.8#
145	0.0	16.2	48.6#





#95
Naphthalene
Concen: 7.694 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062158.D
Acq: 8 May 2019 4:17

Instrument :
MSVOA_D
ClientSampleId :
SB-02-1.0-1.5

Tot Ion:128 Resp: 1800
Ion Ratio Lower Upper
128 100
127 0.0 9.8 14.8#
129 0.0 8.8 13.2#

