

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
 Data File : VD062351.D
 Acq On : 14 May 2019 17:25
 Operator : FY/SY
 Sample : K2757-04RE
 Misc : 6.16g/5mL/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS009-0206-01RE

Quant Time: May 15 02:01:00 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	7.06	168	12563	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	19252	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	14286	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	6602	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	9891	84.72	ug/l	0.04
Spiked Amount	50.000		Recovery	=	169.44%	
35) Dibromofluoromethane	6.95	113	7806	48.87	ug/l	0.05
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.42	98	15324	39.79	ug/l	0.03
Spiked Amount	50.000		Recovery	=	79.58%	
62) 4-Bromofluorobenzene	13.57	95	5849	37.82	ug/l	0.03
Spiked Amount	50.000		Recovery	=	75.64%	

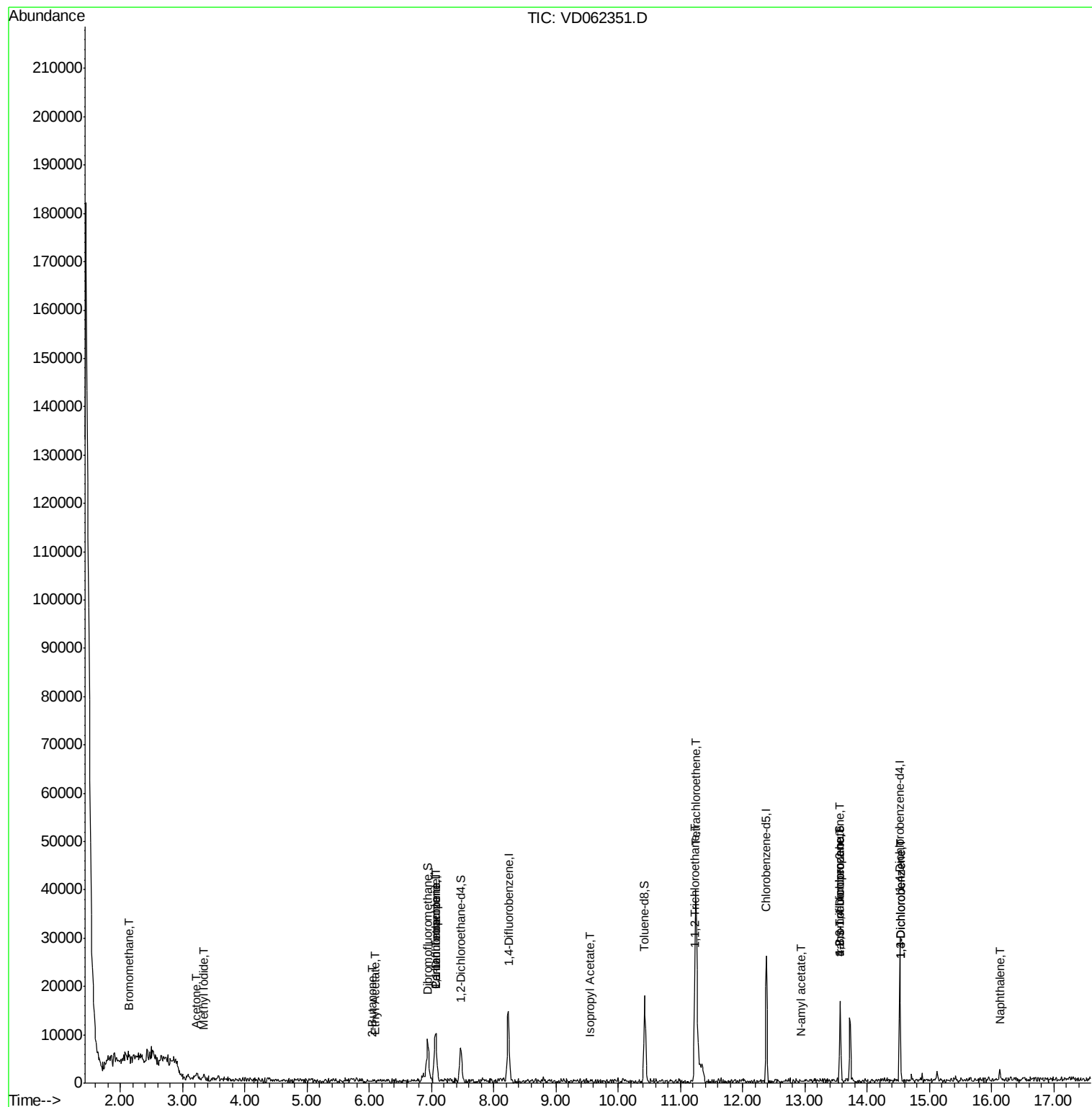
Target Compounds						Qvalue
5) Bromomethane	2.15	94	1364	68.223	ug/l #	12
10) Methyl Iodide	3.35	142	892	4.703	ug/l #	37
16) Acetone	3.23	43	1550	63.308	ug/l #	50
25) 2-Butanone	6.04	43	190	7.115	ug/l #	56
36) 1,1-Dichloropropene	7.09	75	665	4.213	ug/l #	40
37) Ethyl Acetate	6.10	43	201	3.003	ug/l #	64
38) Carbon Tetrachloride	7.08	117	419	1.918	ug/l #	12
43) Isopropyl Acetate	9.54	43	411	4.329	ug/l #	43
55) 1,1,2-Trichloroethane	11.22	97	266	3.242	ug/l #	16
64) Tetrachloroethene	11.25	164	178	1.593	ug/l #	1
74) N-amyl acetate	12.95	43	222	2.140	ug/l #	49
76) 1,2,3-Trichloropropane	13.56	75	2940	37.472	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	2941	132.779	ug/l #	16
87) 1,3-Dichlorobenzene	14.55	146	210	1.038	ug/l #	25
88) 1,4-Dichlorobenzene	14.55	146	210	1.056	ug/l #	25
95) Naphthalene	16.13	128	1849	10.917	ug/l #	73

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
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Quant Time: May 15 02:01:00 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: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

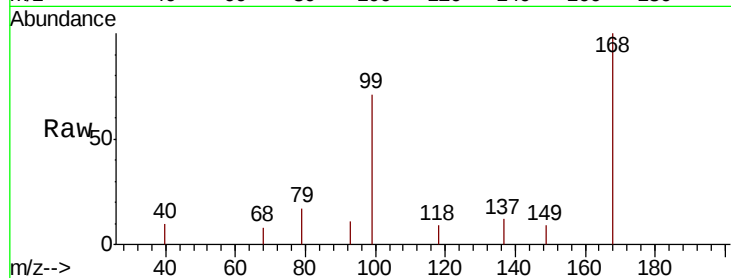
P021-SS009-0206-01RE

Tgt Ion:168 Resp: 12563

Ion Ratio Lower Upper

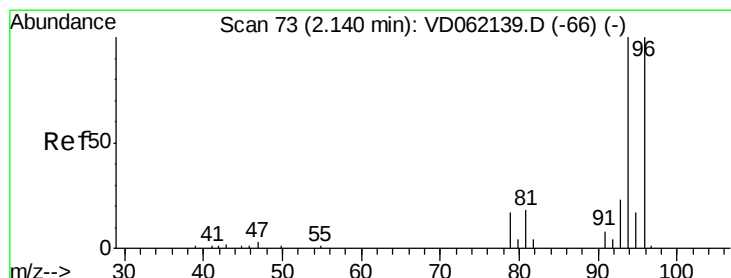
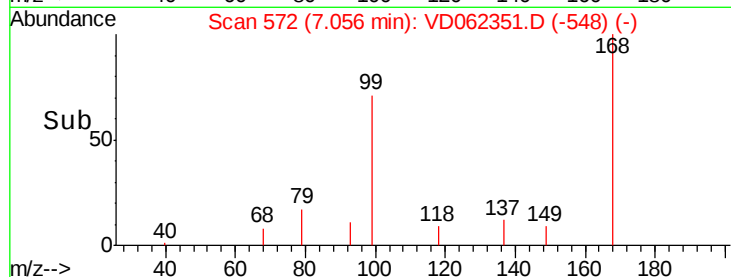
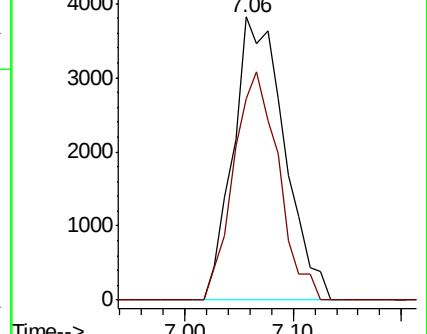
168 100

99 71.3 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: 68.223 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

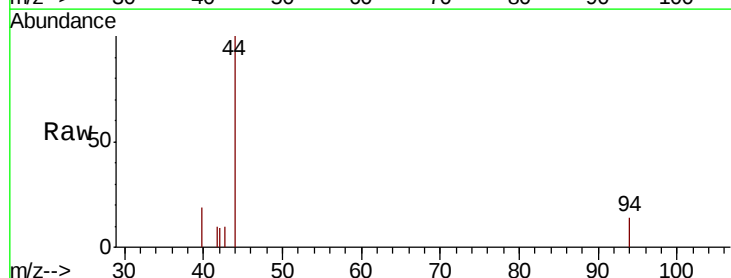
Tgt Ion: 94 Resp: 1364

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

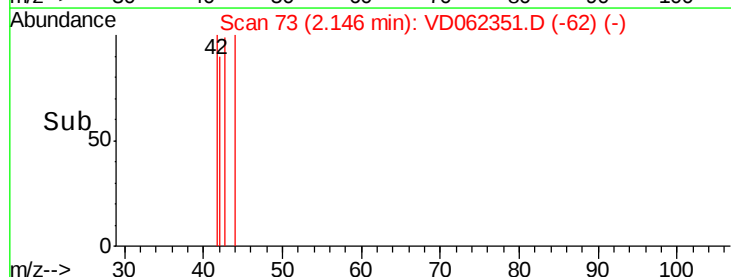
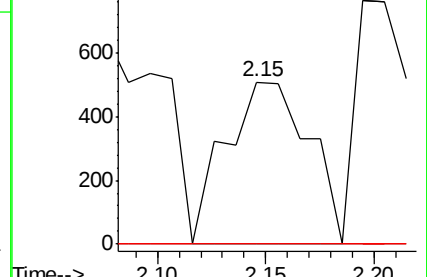
93 0.0 18.5 27.7#

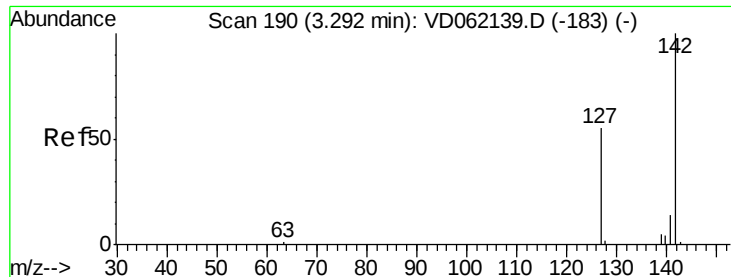


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

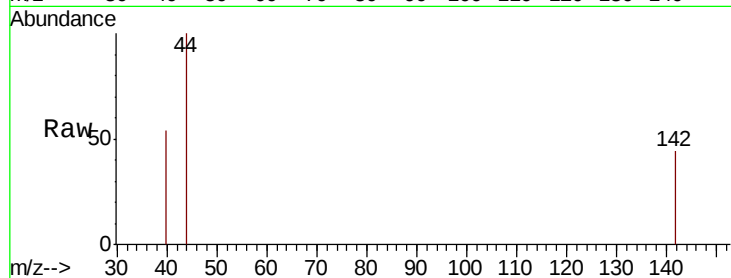




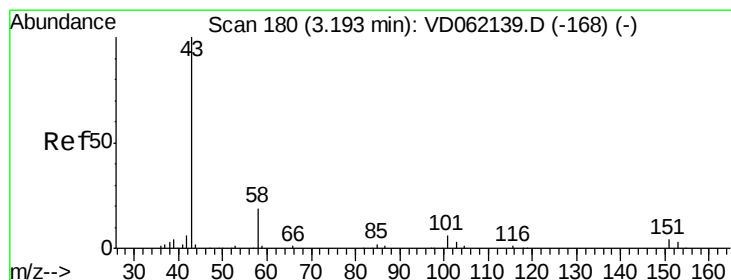
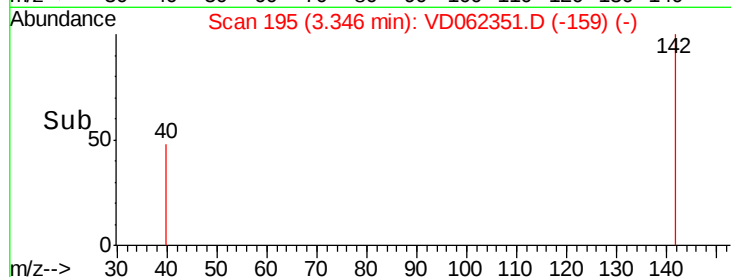
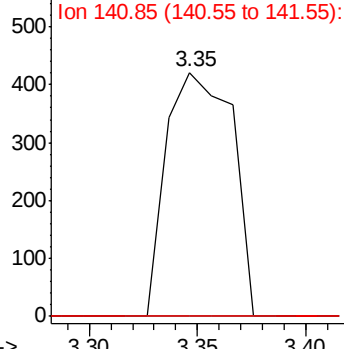
#10
Methyl Iodide
Concen: 4.703 ug/l
RT: 3.35 min Scan# 195
Delta R.T. 0.05 min
Lab File: VD062351.D
Acq: 14 May 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :
P021-SS009-0206-01RE

Tgt Ion: 142 Resp: 892
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

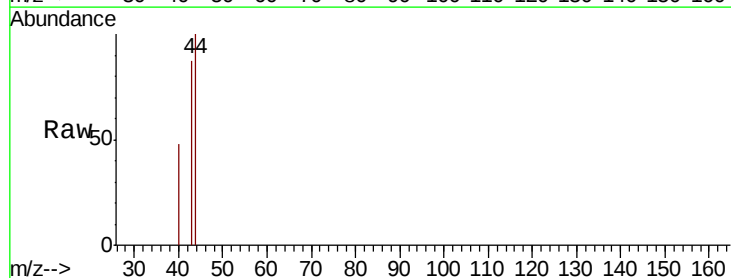


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

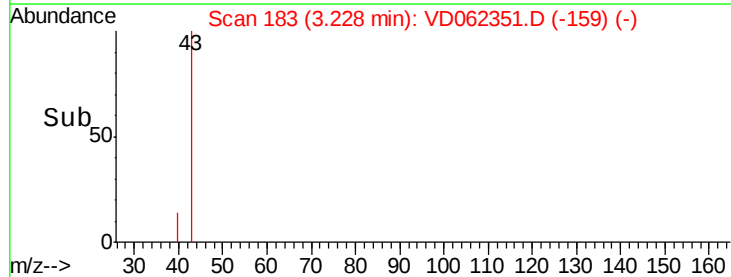
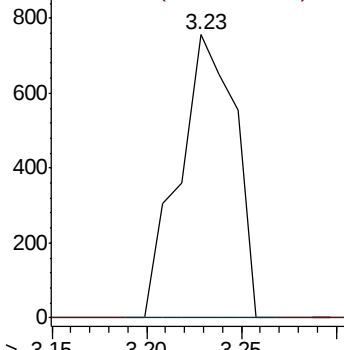


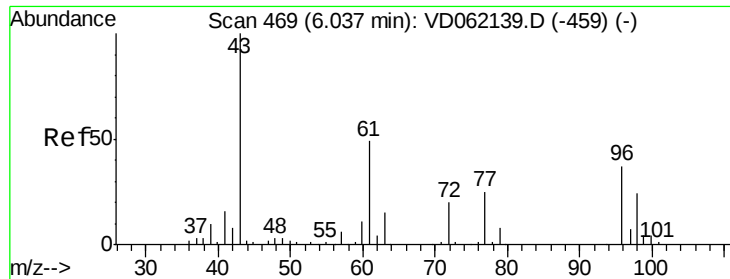
#16
Acetone
Concen: 63.308 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.04 min
Lab File: VD062351.D
Acq: 14 May 2019 17:25

Tgt Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



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

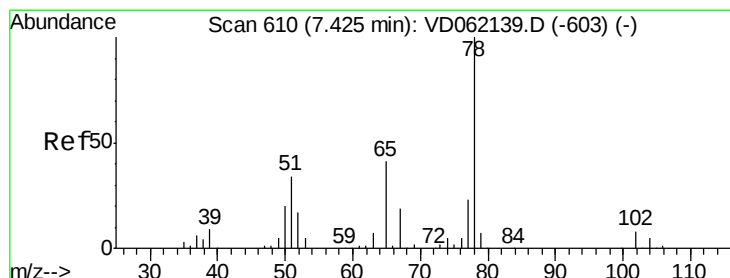
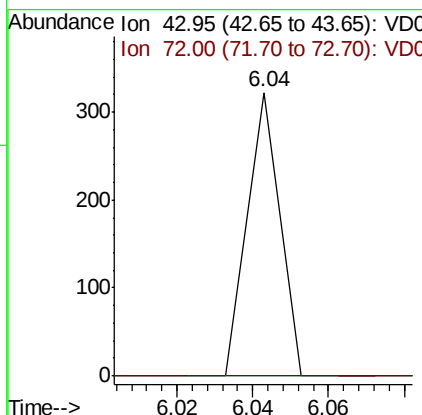
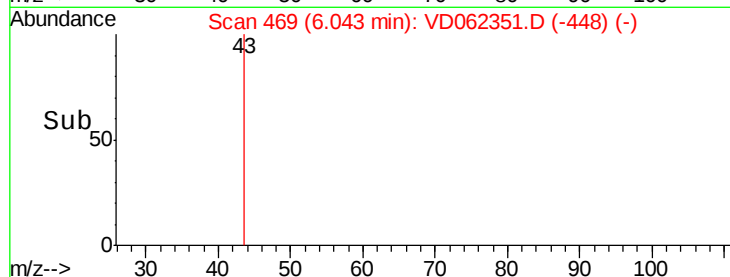
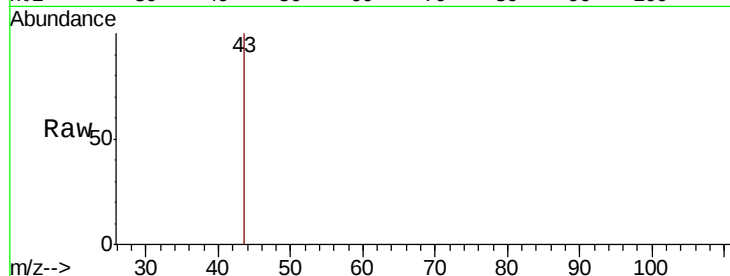




#25
 2-Butanone
 Concen: 7.115 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VD062351.D
 Acq: 14 May 2019 17:25

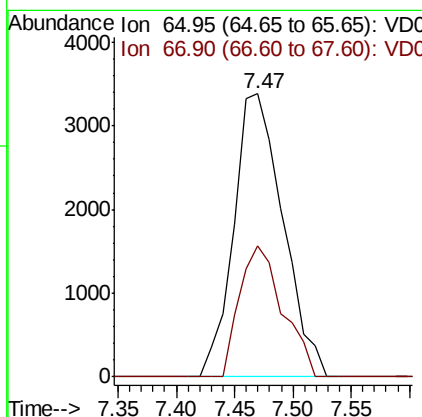
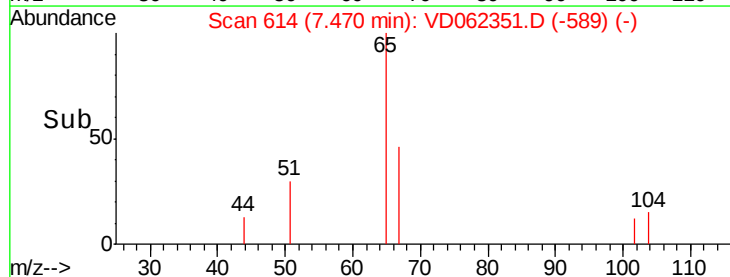
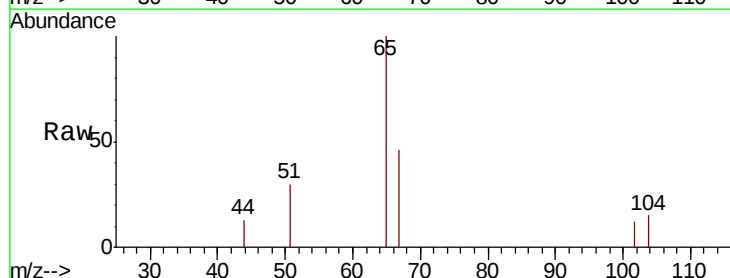
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS009-0206-01RE

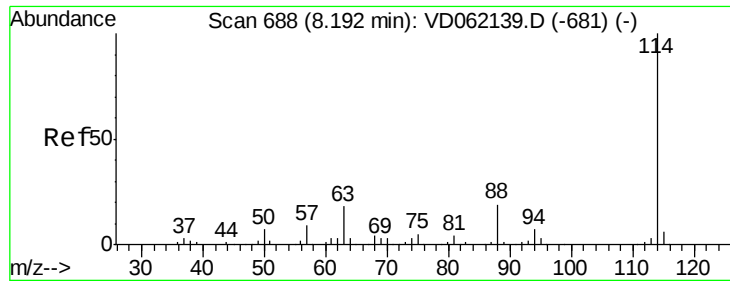
Tgt Ion: 43 Resp: 190
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.2 24.4#



#33
 1,2-Dichloroethane-d4
 Concen: 84.720 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062351.D
 Acq: 14 May 2019 17:25

Tgt Ion: 65 Resp: 9891
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 98.0

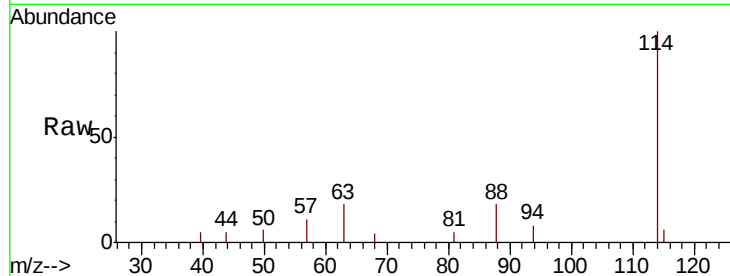




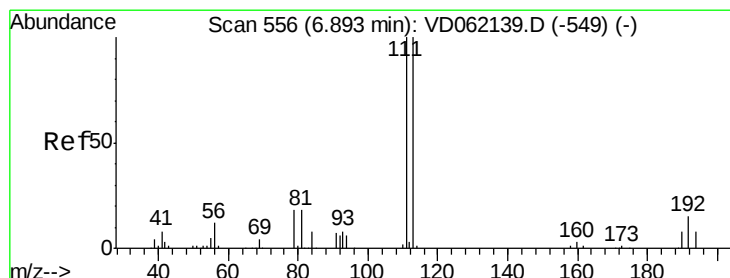
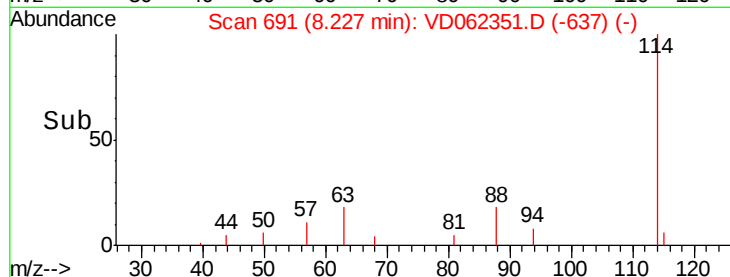
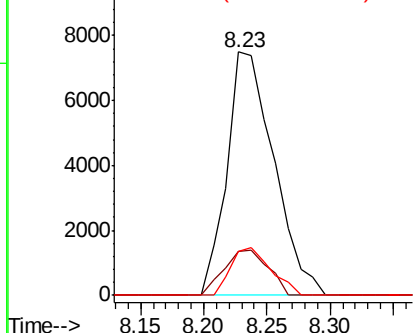
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD062351.D
 Acq: 14 May 2019 17:25

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS009-0206-01RE

Tgt Ion:114 Resp: 19252
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 32.4
 88 18.3 0.0 33.6

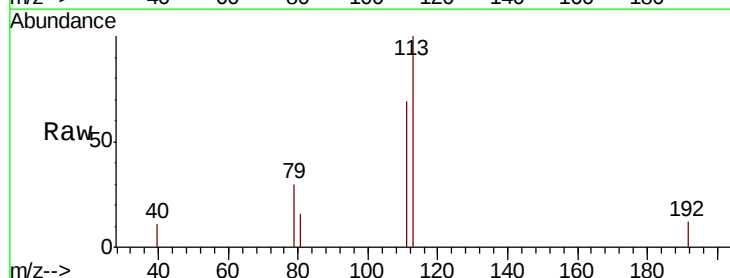


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

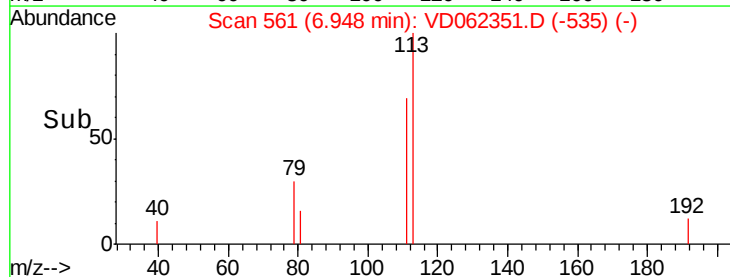
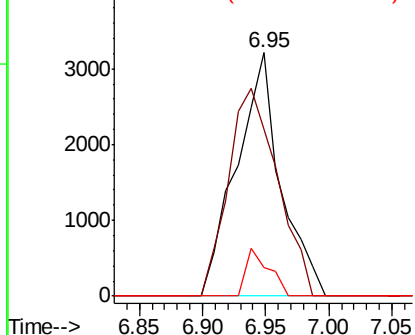


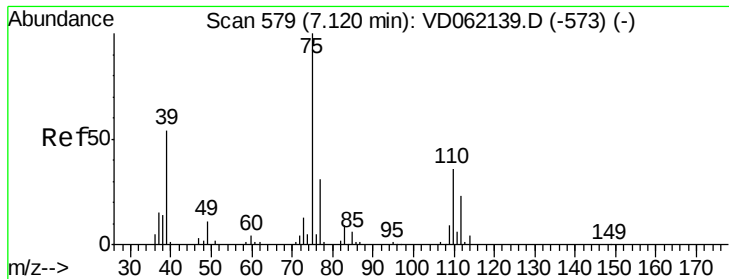
#35
 Dibromofluoromethane
 Concen: 48.868 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062351.D
 Acq: 14 May 2019 17:25

Tgt Ion:113 Resp: 7806
 Ion Ratio Lower Upper
 113 100
 111 68.5 78.5 117.7#
 192 11.8 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

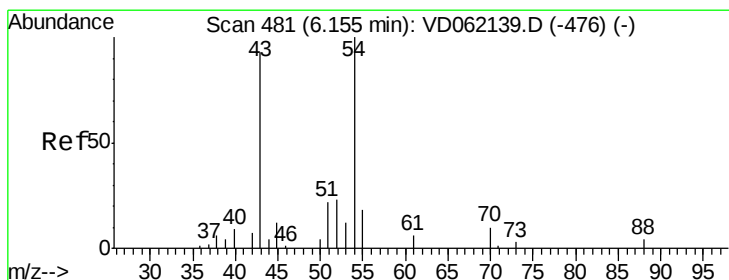
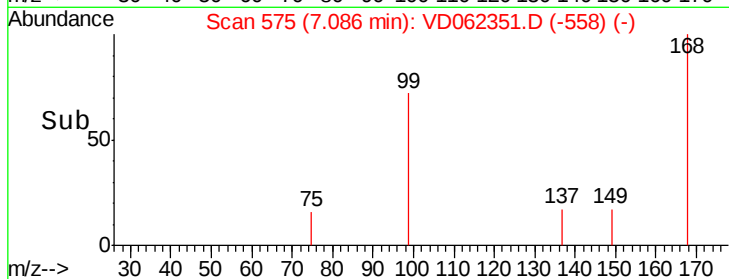
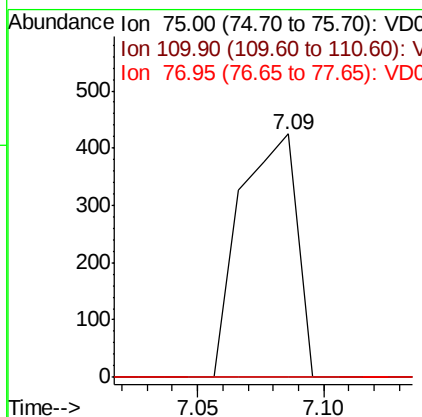
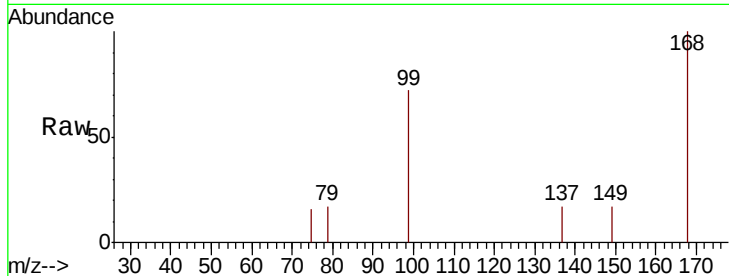




#36
 1,1-Dichloropropene
 Concen: 4.213 ug/l
 RT: 7.09 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD062351.D
 Acq: 14 May 2019 17:25

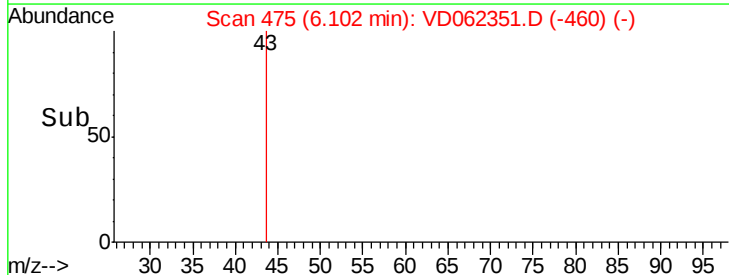
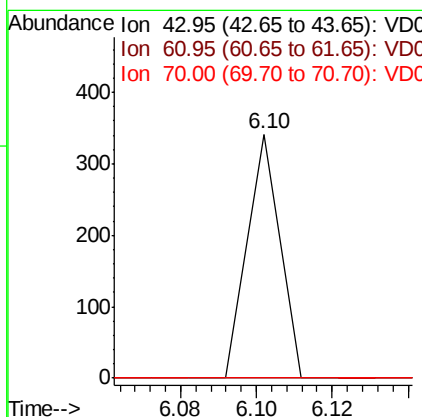
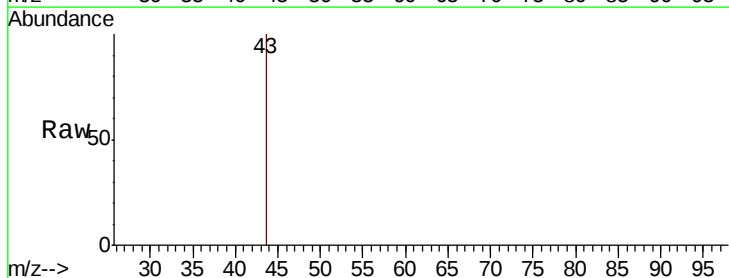
Instrument :
 MSVOA_D
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 P021-SS009-0206-01RE

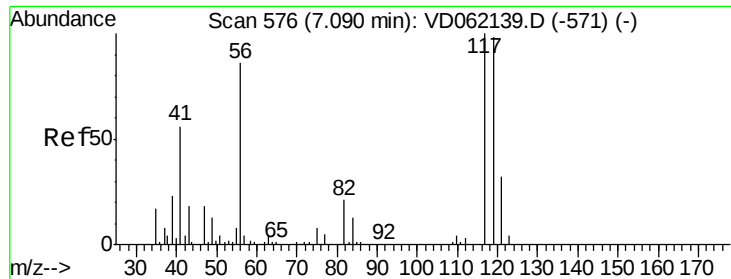
Tgt Ion: 75 Resp: 665
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.1#
 77 0.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 3.003 ug/l
 RT: 6.10 min Scan# 475
 Delta R.T. -0.05 min
 Lab File: VD062351.D
 Acq: 14 May 2019 17:25

Tgt Ion: 43 Resp: 201
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.7 22.1#
 70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 1.918 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.01 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

P021-SS009-0206-01RE

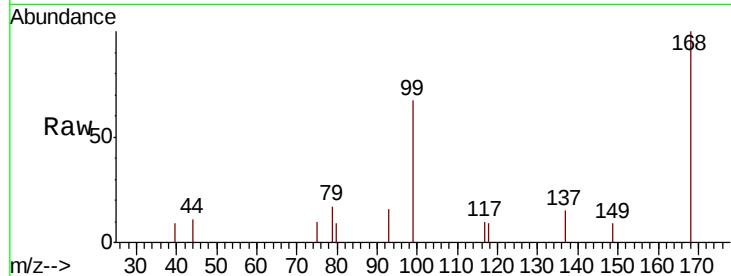
Tgt Ion: 117 Resp: 419

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

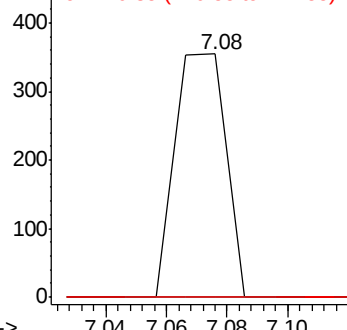
121 0.0 25.9 38.9#



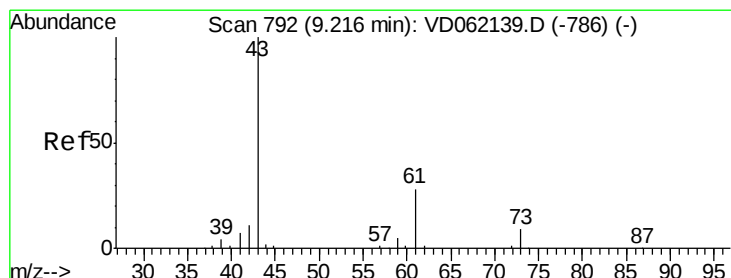
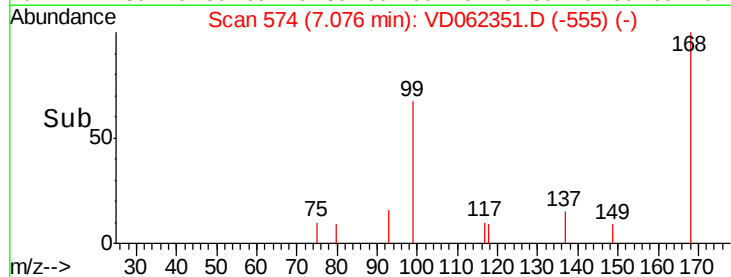
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



Time-->



#43

Isopropyl Acetate

Concen: 4.329 ug/l

RT: 9.54 min Scan# 824

Delta R.T. 0.32 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

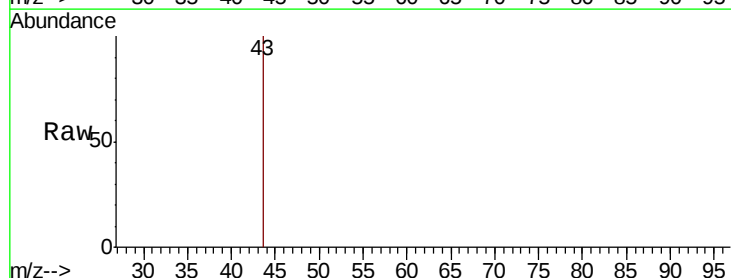
Tgt Ion: 43 Resp: 411

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

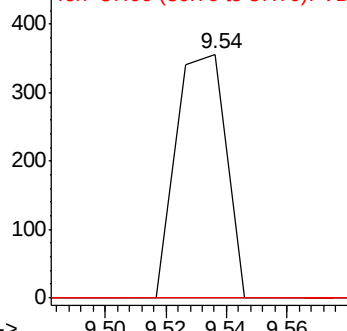
87 0.0 0.0 0.0



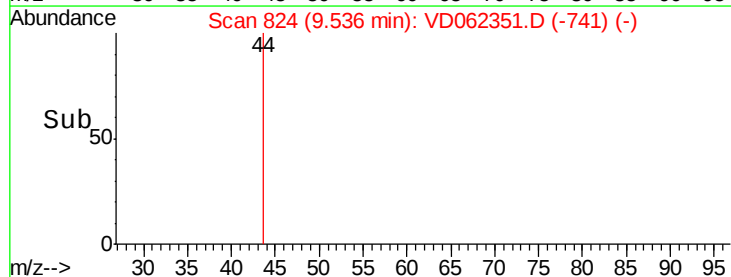
Abundance Ion 42.95 (42.65 to 43.65): V

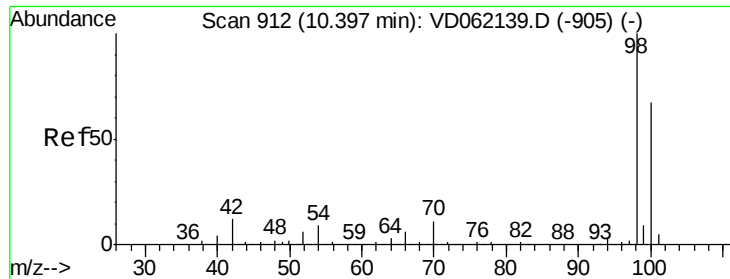
Ion 60.95 (60.65 to 61.65): V

Ion 87.00 (86.70 to 87.70): V



Time-->





#50

Toluene-d8

Concen: 39.789 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

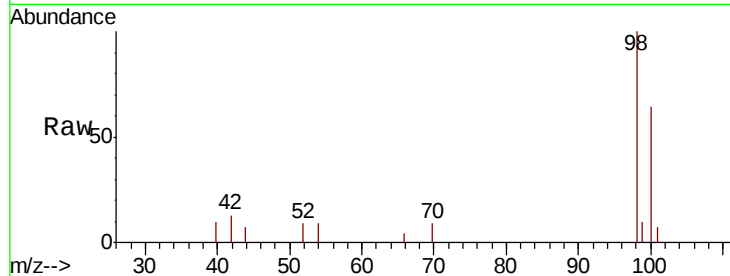
P021-SS009-0206-01RE

Tgt Ion: 98 Resp: 15324

Ion Ratio Lower Upper

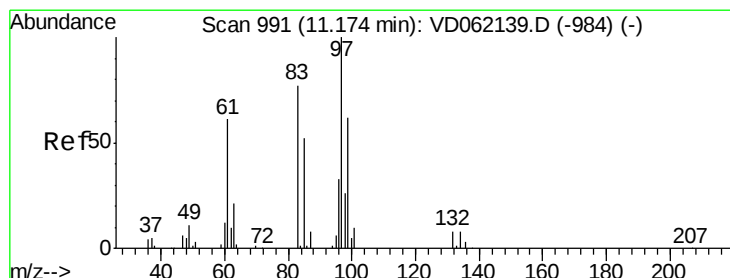
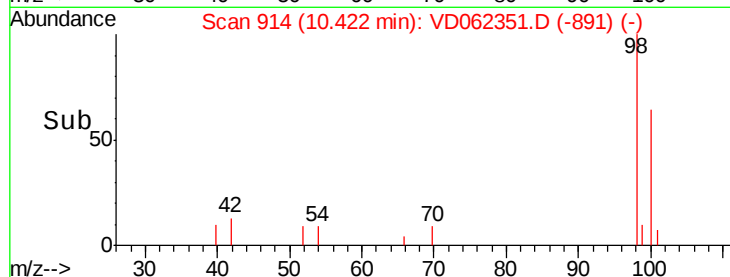
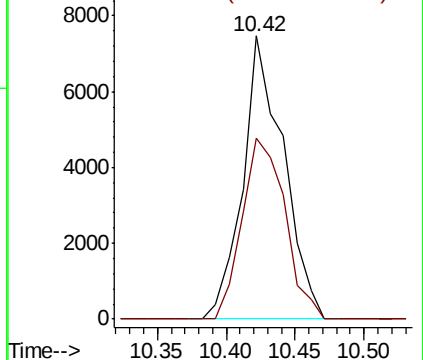
98 100

100 64.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#55

1,1,2-Trichloroethane

Concen: 3.242 ug/l

RT: 11.22 min Scan# 995

Delta R.T. 0.04 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

Tgt Ion: 97 Resp: 266

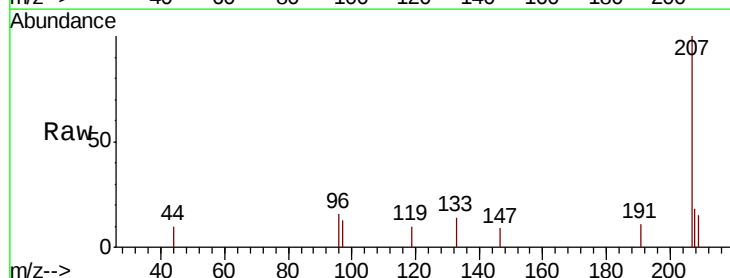
Ion Ratio Lower Upper

97 100

83 0.0 65.7 98.5#

85 0.0 45.6 68.4#

99 0.0 48.4 72.6#

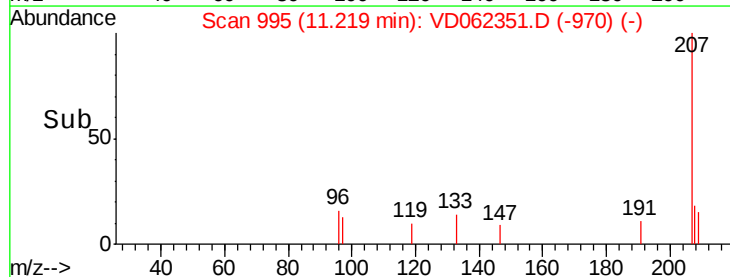
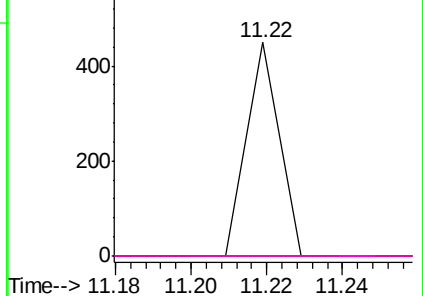


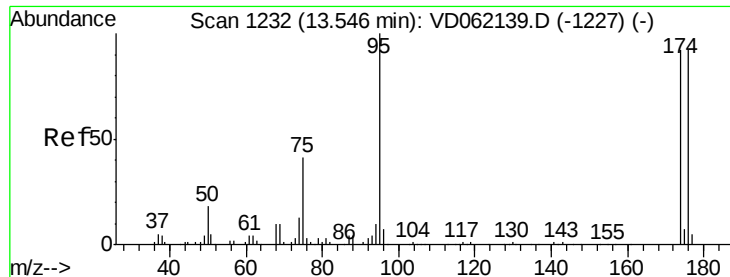
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

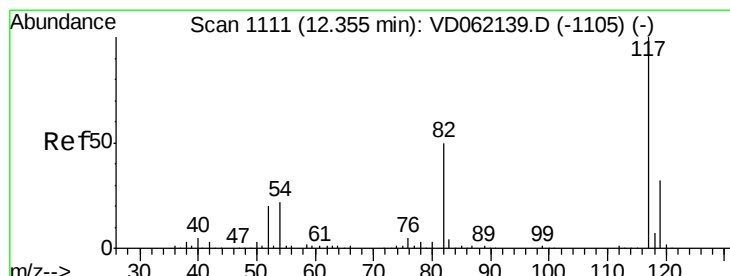
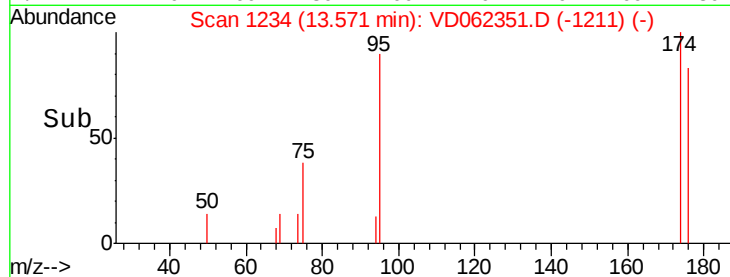
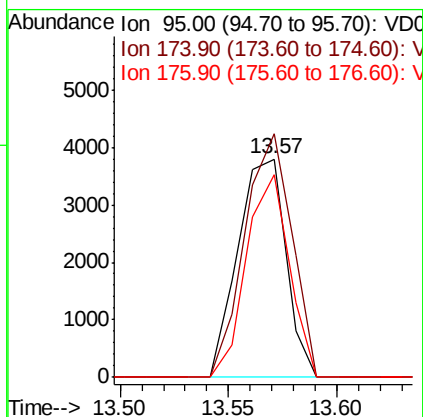
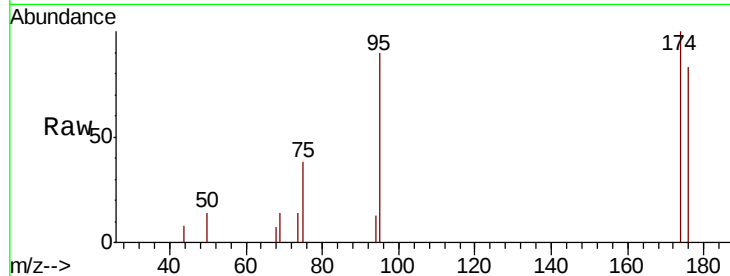




#62
 4-Bromofluorobenzene
 Concen: 37.819 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.03 min
 Lab File: VD062351.D
 Acq: 14 May 2019 17:25

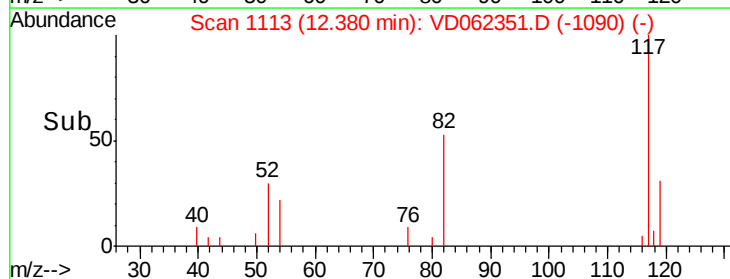
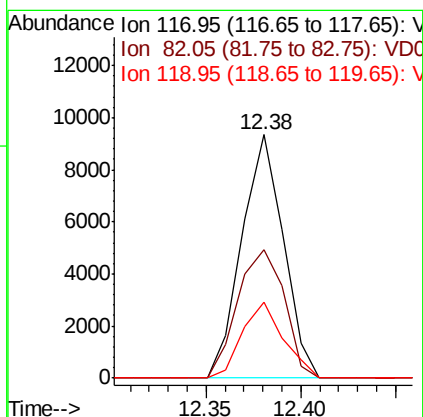
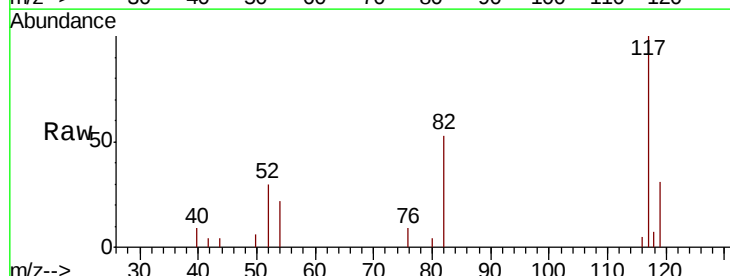
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS009-0206-01RE

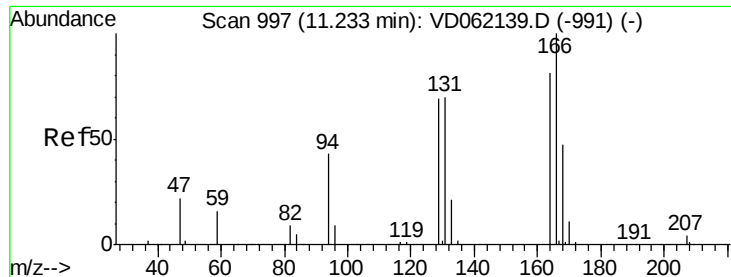
Tgt Ion: 95 Resp: 5849
 Ion Ratio Lower Upper
 95 100
 174 111.6 0.0 181.8
 176 93.0 0.0 174.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.38 min Scan# 1113
 Delta R.T. 0.03 min
 Lab File: VD062351.D
 Acq: 14 May 2019 17:25

Tgt Ion: 117 Resp: 14286
 Ion Ratio Lower Upper
 117 100
 82 52.9 36.2 54.2
 119 31.0 26.2 39.4

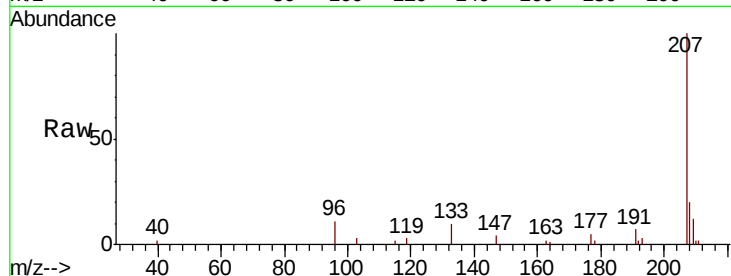




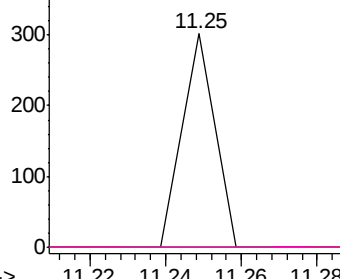
#64
Tetrachloroethene
Concen: 1.593 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.02 min
Lab File: VD062351.D
Acq: 14 May 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :
P021-SS009-0206-01RE

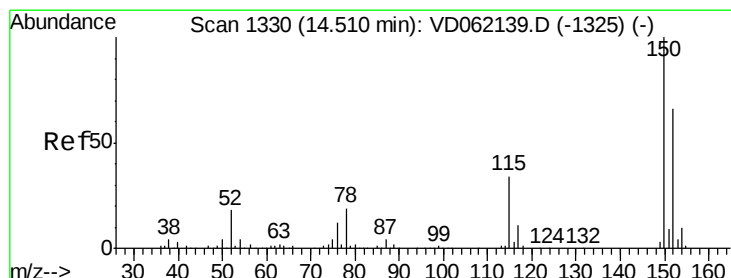
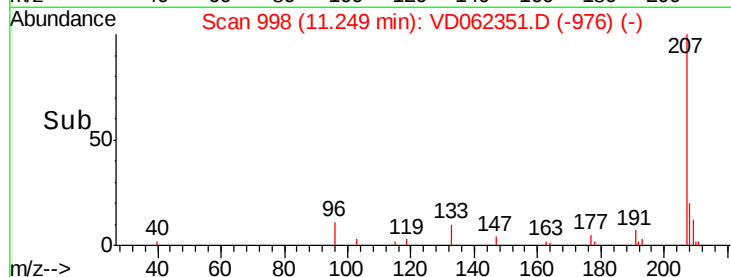
Tgt Ion:164 Resp: 178
Ion Ratio Lower Upper
164 100
166 0.0 101.5 152.3#
129 0.0 74.6 112.0#
131 0.0 72.6 108.8#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

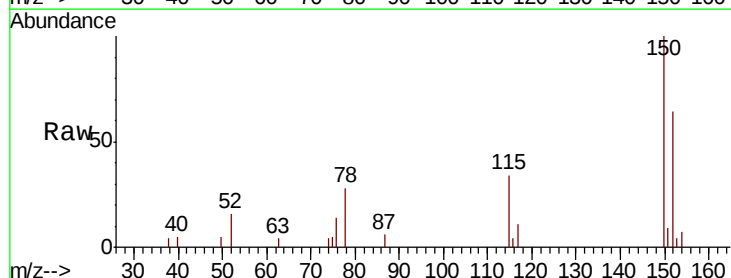


Time-->

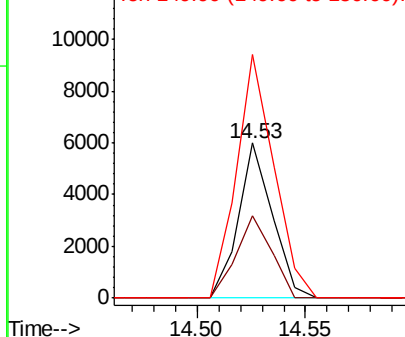


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD062351.D
Acq: 14 May 2019 17:25

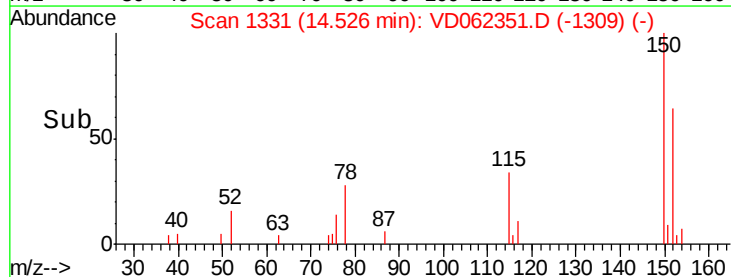
Tgt Ion:152 Resp: 6602
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 157.3 0.0 314.8

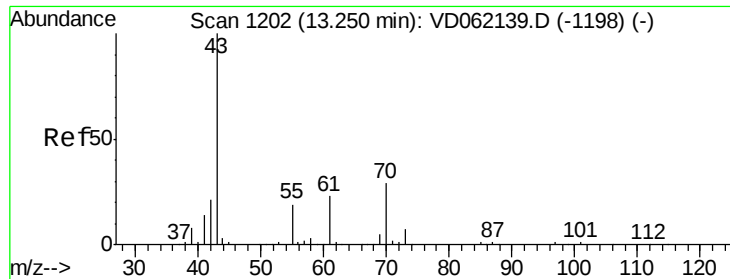


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#74

N-amyI acetate

Concen: 2.140 ug/l

RT: 12.95 min Scan# 1171

Delta R.T. -0.30 min

Lab File: VD062351.D

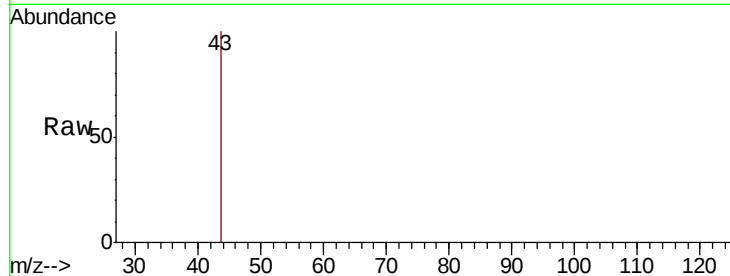
Acq: 14 May 2019 17:25

Instrument :

MSVOA_D

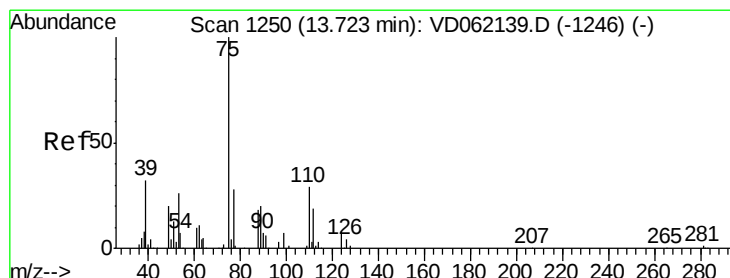
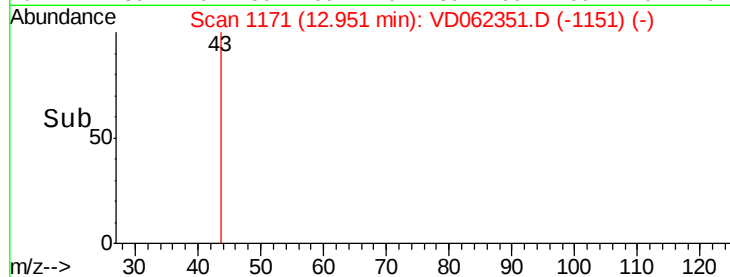
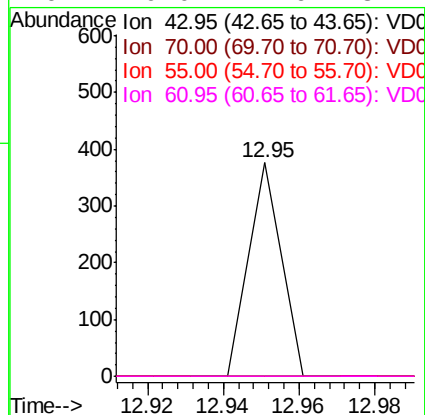
ClientSampleId :

P021-SS009-0206-01RE



Tgt Ion: 43 Resp: 222

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#



#76

1,2,3-Trichloropropane

Concen: 37.472 ug/l

RT: 13.56 min Scan# 1233

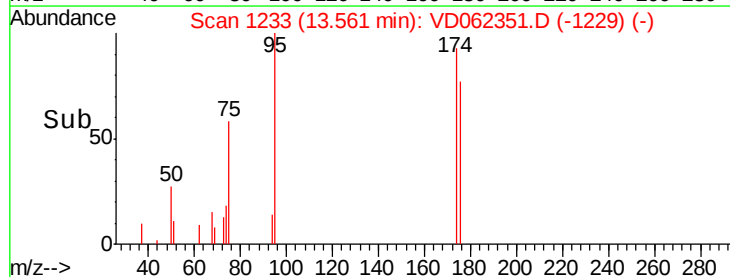
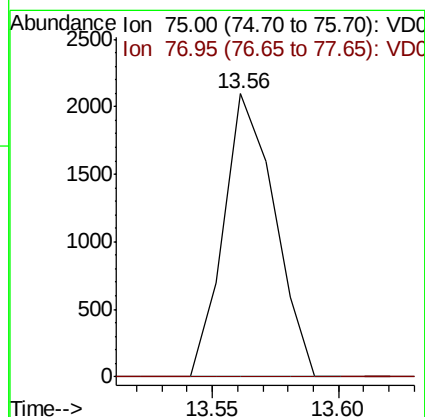
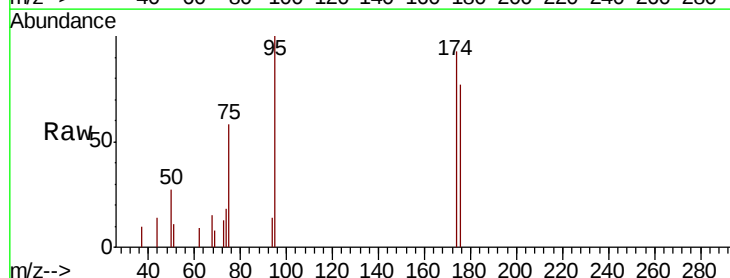
Delta R.T. -0.16 min

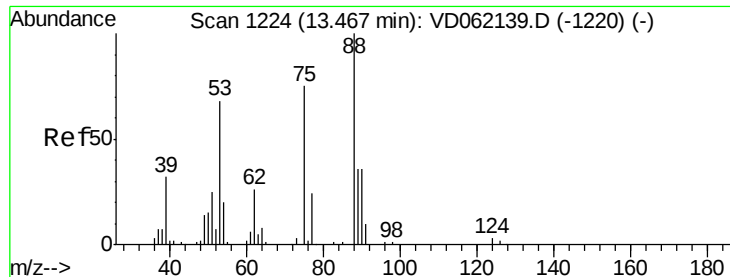
Lab File: VD062351.D

Acq: 14 May 2019 17:25

Tgt Ion: 75 Resp: 2940

Ion	Ratio	Lower	Upper
75	100		
77	0.0	16.4	49.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 132.779 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

P021-SS009-0206-01RE

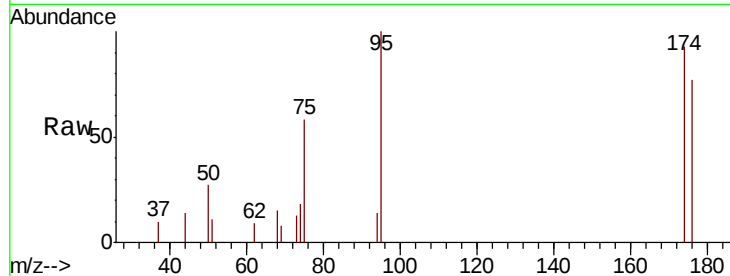
Tgt Ion: 75 Resp: 2941

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

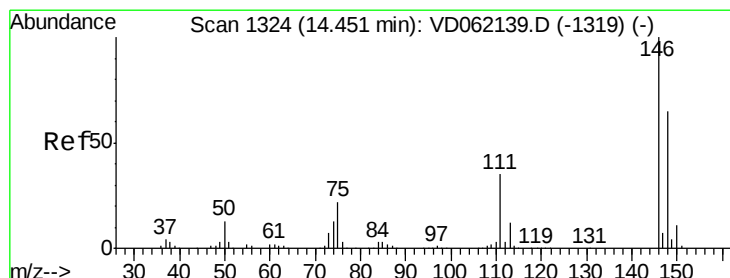
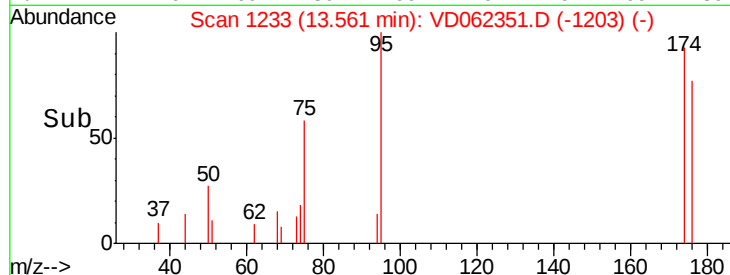
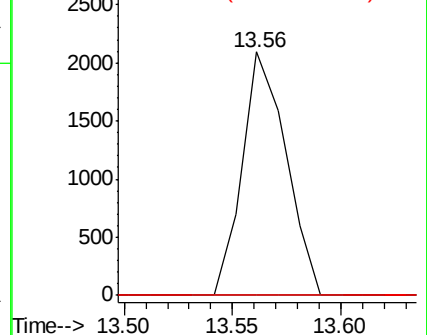
89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V



#87

1,3-Dichlorobenzene

Concen: 1.038 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.09 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

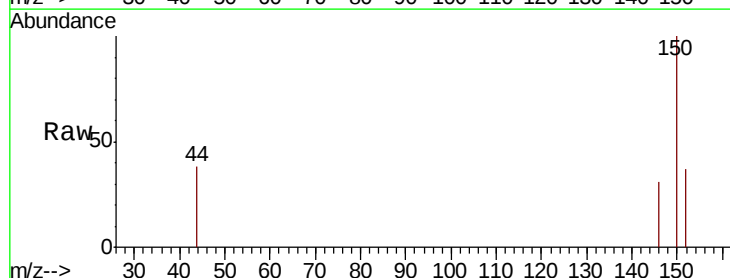
Tgt Ion: 146 Resp: 210

Ion Ratio Lower Upper

146 100

111 0.0 20.0 60.0#

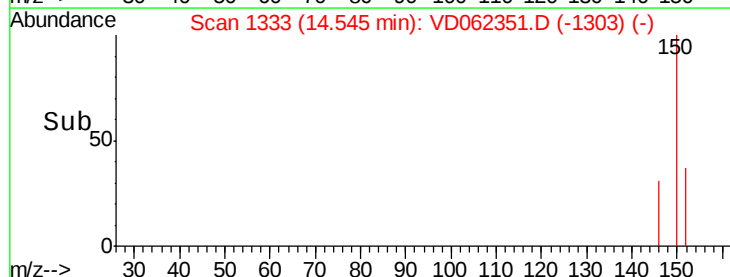
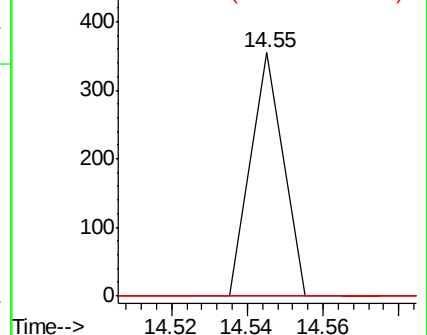
148 0.0 31.8 95.4#

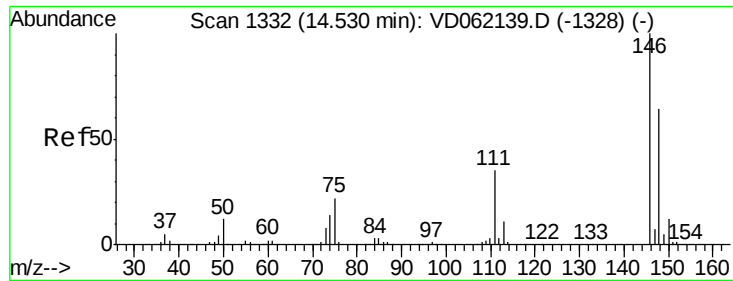


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 1.056 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.02 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

P021-SS009-0206-01RE

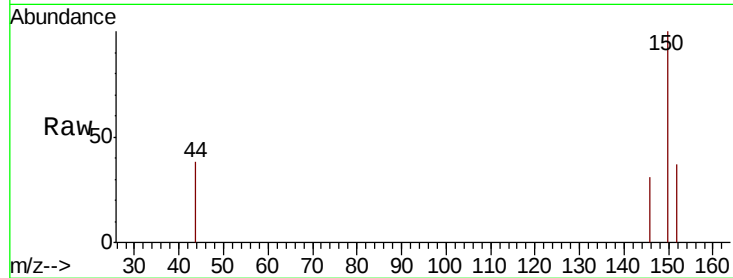
Tgt Ion:146 Resp: 210

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

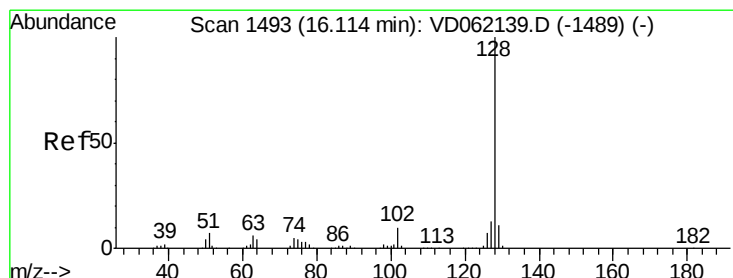
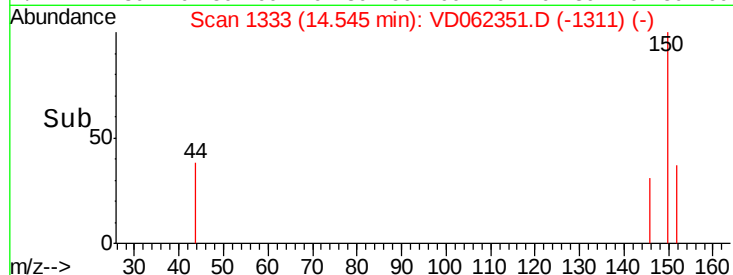
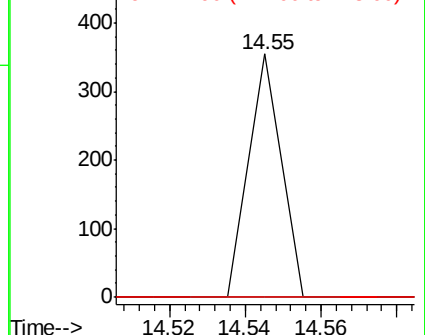
148 0.0 32.0 96.2#



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



#95

Naphthalene

Concen: 10.917 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.02 min

Lab File: VD062351.D

Acq: 14 May 2019 17:25

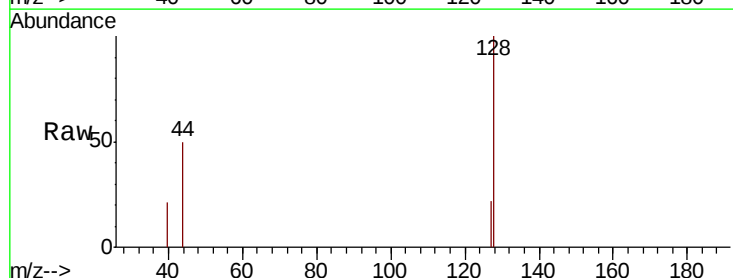
Tgt Ion:128 Resp: 1849

Ion Ratio Lower Upper

128 100

127 22.3 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

