

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062354.D
 Acq On : 14 May 2019 18:47
 Operator : FY/SY
 Sample : K2757-03
 Misc : 5.12g/5mL/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS009-0002-01

Quant Time: May 15 02:01:28 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	7.07	168	116286	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	155174	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	113414	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	38158	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	84998	78.65	ug/l	0.05
Spiked Amount			Recovery	=	157.30%	
35) Dibromofluoromethane	6.95	113	78946	61.32	ug/l	0.06
Spiked Amount			Recovery	=	122.64%	
50) Toluene-d8	10.43	98	122597	39.49	ug/l	0.03
Spiked Amount			Recovery	=	78.98%	
62) 4-Bromofluorobenzene	13.57	95	38447	30.84	ug/l	0.02
Spiked Amount			Recovery	=	61.68%	

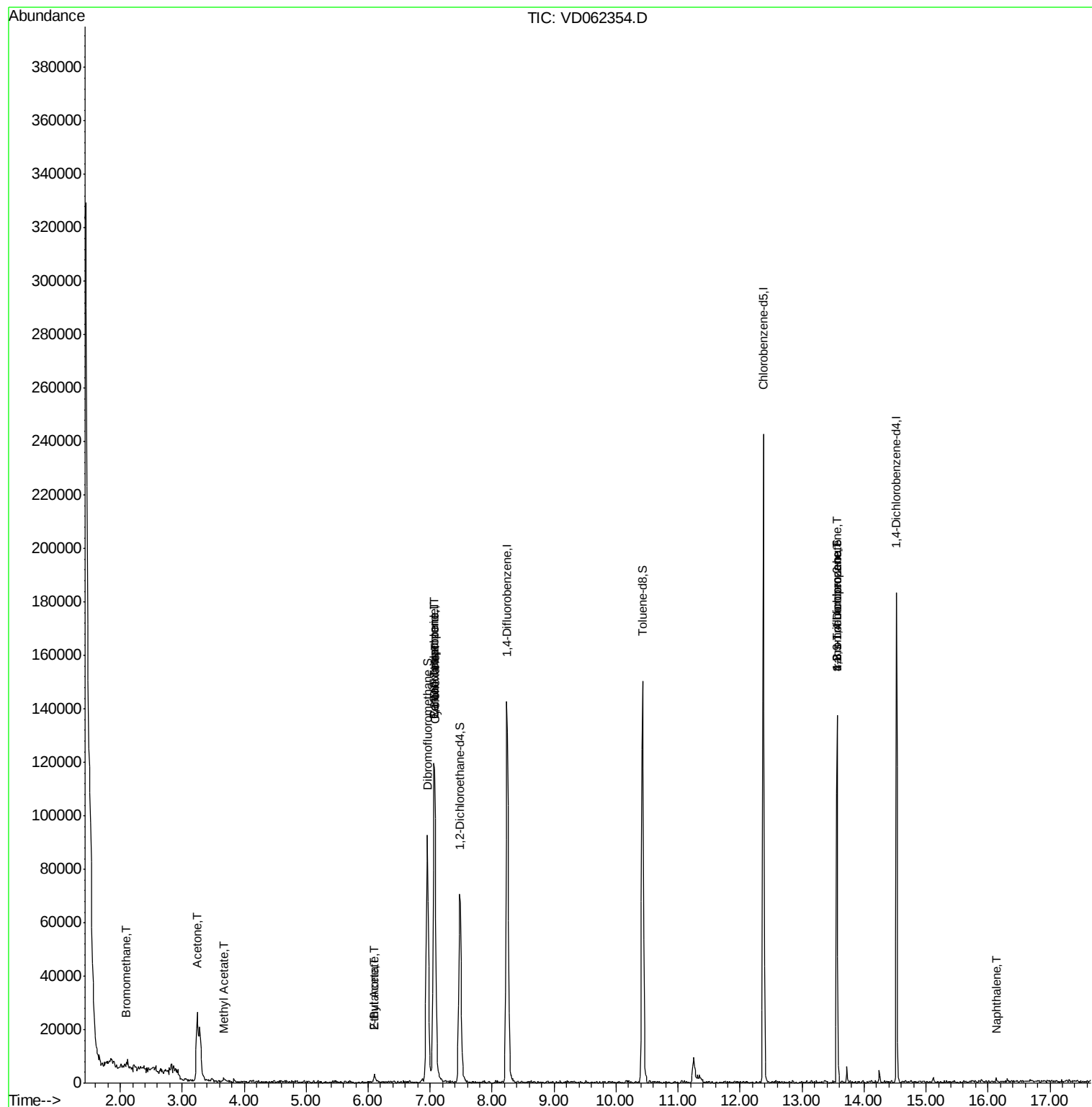
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.10	94	1193	6.447	ug/l #	12
16) Acetone	3.24	43	51374	226.691	ug/l #	81
18) Methyl Acetate	3.67	43	2101	4.910	ug/l #	53
25) 2-Butanone	6.10	43	5452	22.056	ug/l #	56
31) Cyclohexane	7.08	56	2298	2.027	ug/l #	7
36) 1,1-Dichloropropene	7.06	75	9382	7.374	ug/l #	40
37) Ethyl Acetate	6.10	43	5452	10.105	ug/l #	64
38) Carbon Tetrachloride	7.06	117	12927	7.341	ug/l #	12
76) 1,2,3-Trichloropropane	13.57	75	17576	38.758	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	17578	137.308	ug/l #	16
95) Naphthalene	16.13	128	1138	1.163	ug/l #	70

(#) = 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 02:01:28 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: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

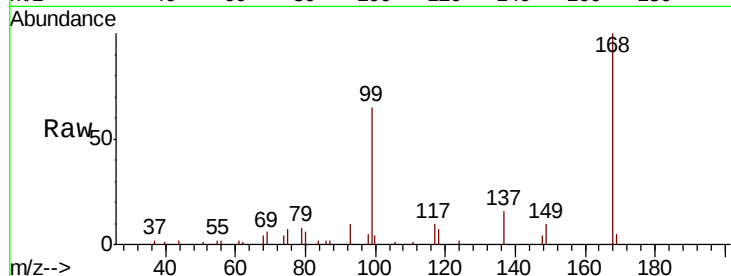
P021-SS009-0002-01

Tot Ion:168 Resp: 116286

Ion Ratio Lower Upper

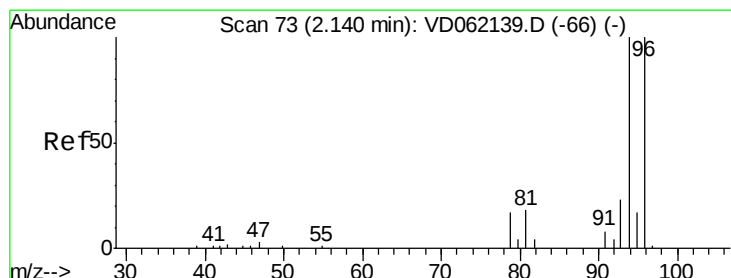
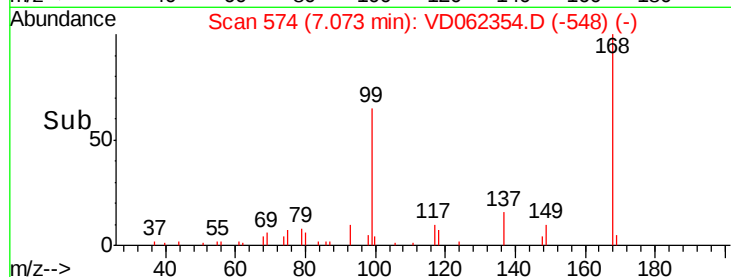
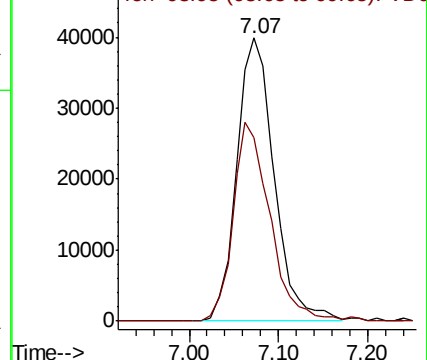
168 100

99 64.9 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: 6.447 ug/l

RT: 2.10 min Scan# 69

Delta R.T. -0.04 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

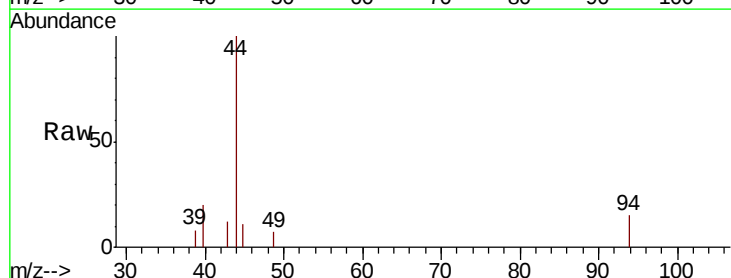
Tgt Ion: 94 Resp: 1193

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

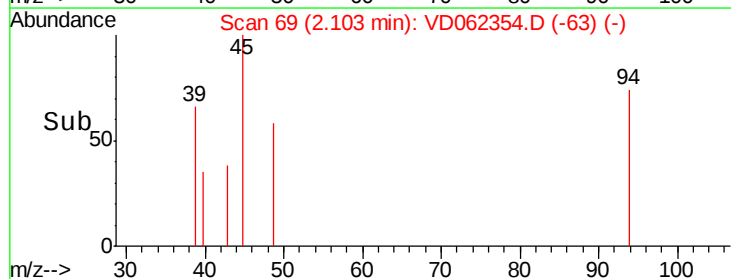
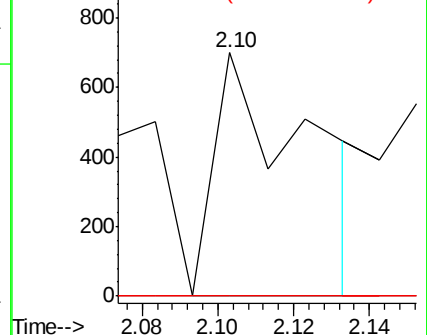
93 0.0 18.5 27.7#



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





#16

Acetone

Concen: 226.691 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

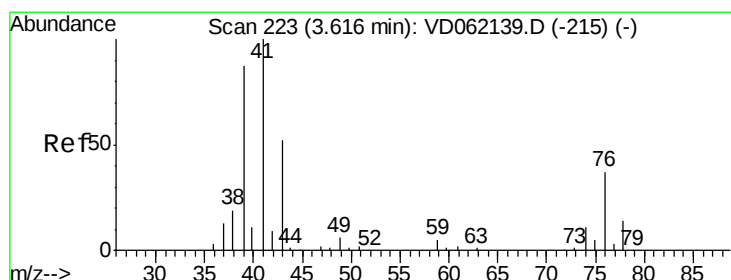
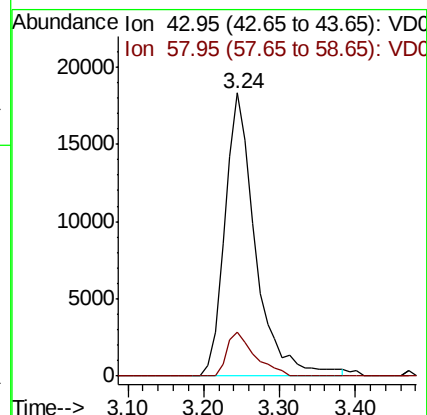
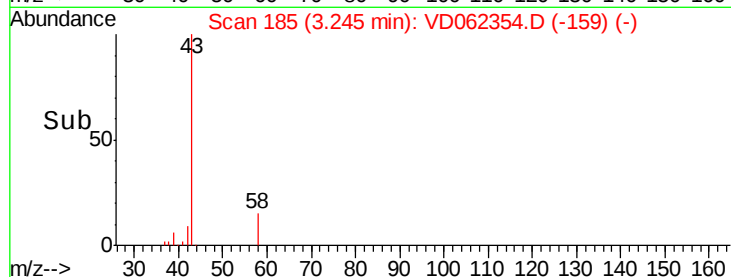
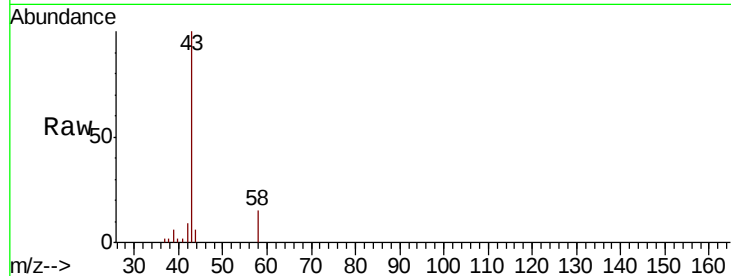
P021-SS009-0002-01

Tot Ion: 43 Resp: 51374

Ion Ratio Lower Upper

43 100

58 15.5 19.9 29.9#



#18

Methyl Acetate

Concen: 4.910 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.05 min

Lab File: VD062354.D

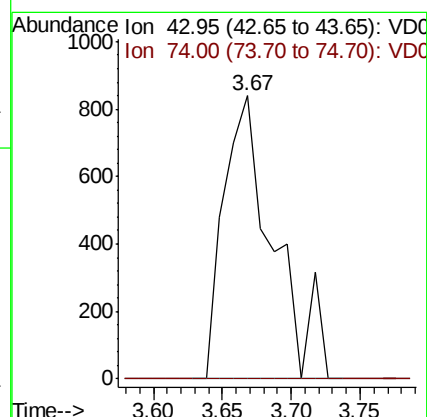
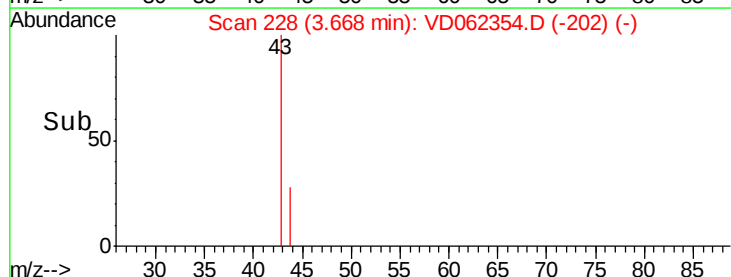
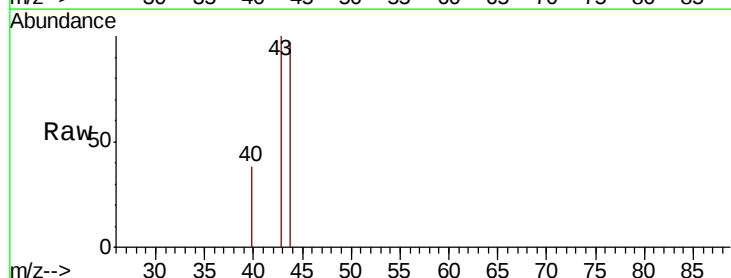
Acq: 14 May 2019 18:47

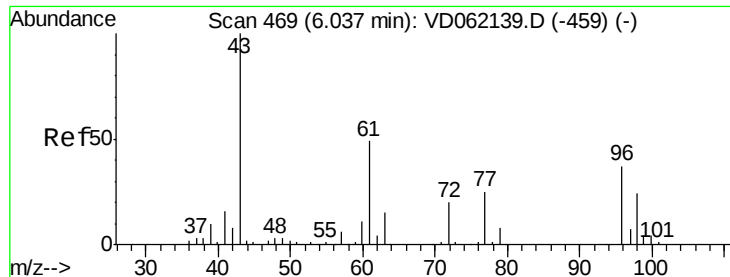
Tgt Ion: 43 Resp: 2101

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#





#25

2-Butanone

Concen: 22.056 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.06 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

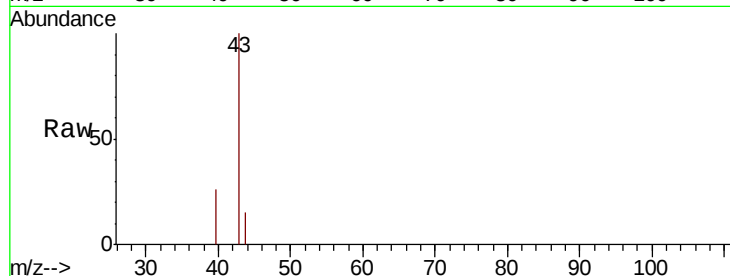
P021-SS009-0002-01

Tot Ion: 43 Resp: 5452

Ion Ratio Lower Upper

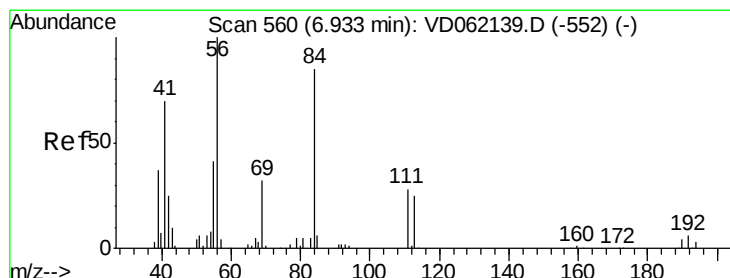
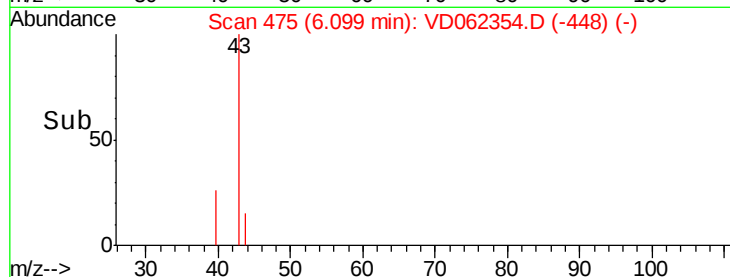
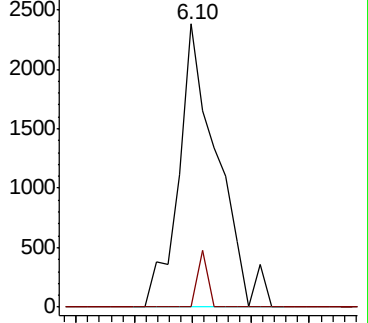
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VD062139.D (-459) (-)

Ion 72.00 (71.70 to 72.70): VD062139.D (-459) (-)



#31

Cyclohexane

Concen: 2.027 ug/l

RT: 7.08 min Scan# 575

Delta R.T. 0.15 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

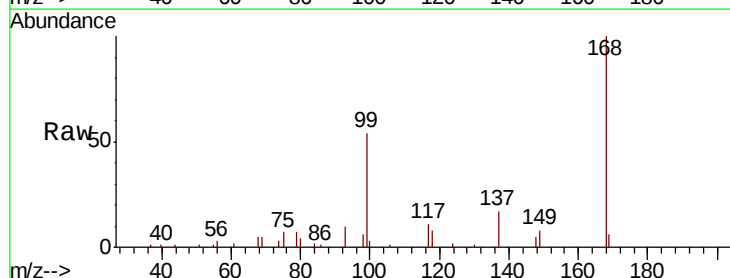
Tgt Ion: 56 Resp: 2298

Ion Ratio Lower Upper

56 100

69 165.7 25.8 38.6#

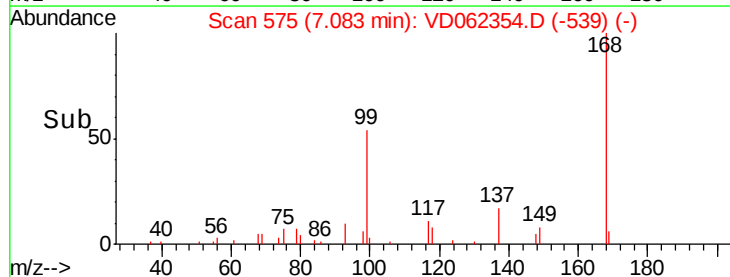
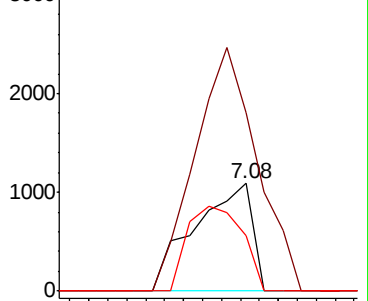
84 51.7 72.2 108.4#



Abundance Ion 55.95 (55.65 to 56.65): VD062139.D (-552) (-)

Ion 69.00 (68.70 to 69.70): VD062139.D (-552) (-)

Ion 84.05 (83.75 to 84.75): VD062139.D (-552) (-)





#33

1,2-Dichloroethane-d4

Concen: 78.654 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

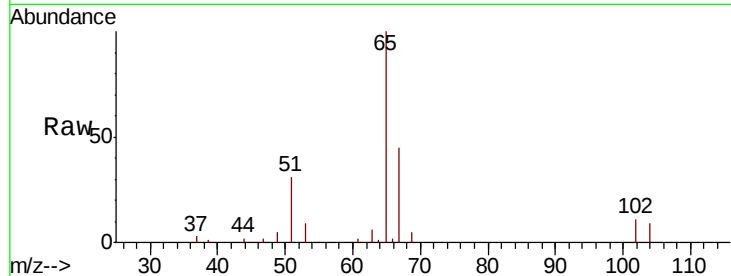
P021-SS009-0002-01

Tot Ion: 65 Resp: 84998

Ion Ratio Lower Upper

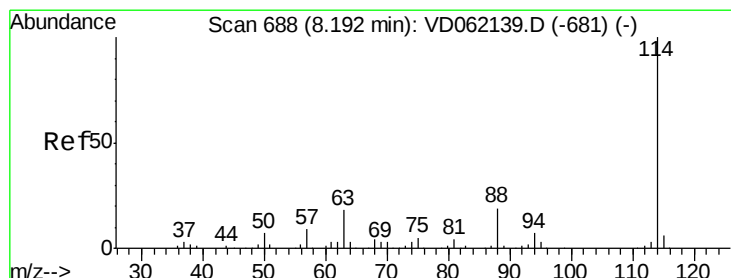
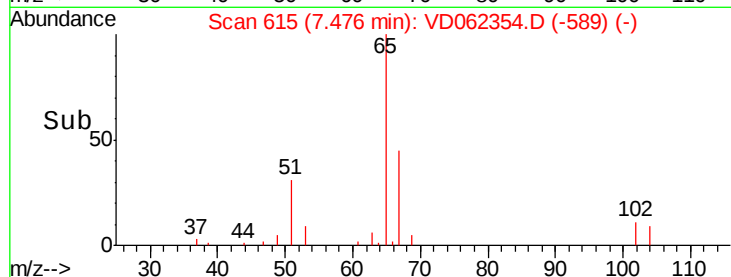
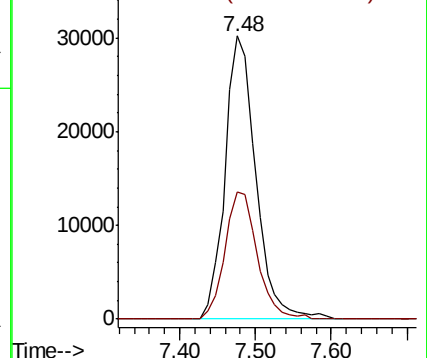
65 100

67 45.1 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. 0.04 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

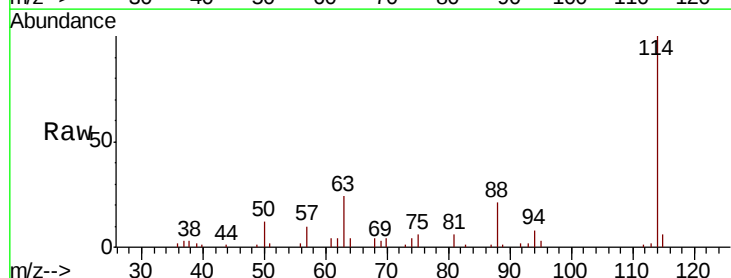
Tgt Ion: 114 Resp: 155174

Ion Ratio Lower Upper

114 100

63 24.1 0.0 32.4

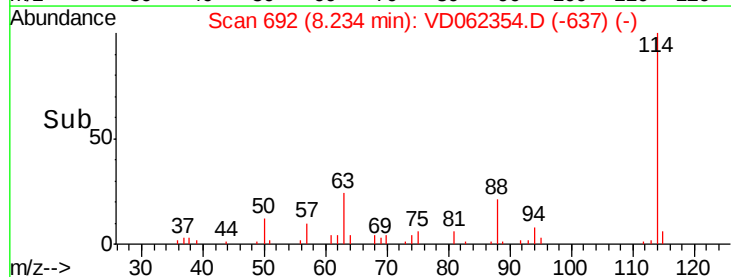
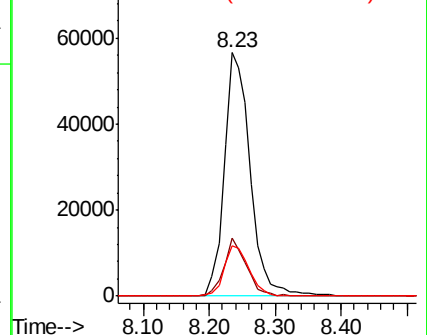
88 20.6 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 61.317 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.06 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

P021-SS009-0002-01

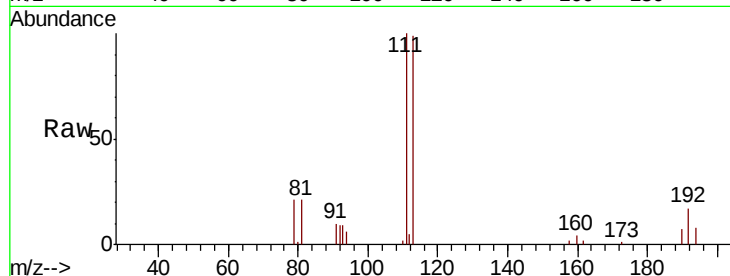
Tot Ion:113 Resp: 78946

Ion Ratio Lower Upper

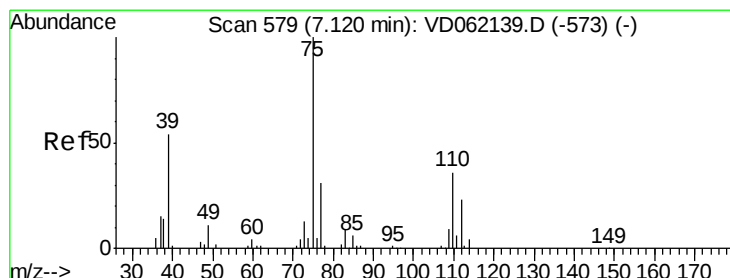
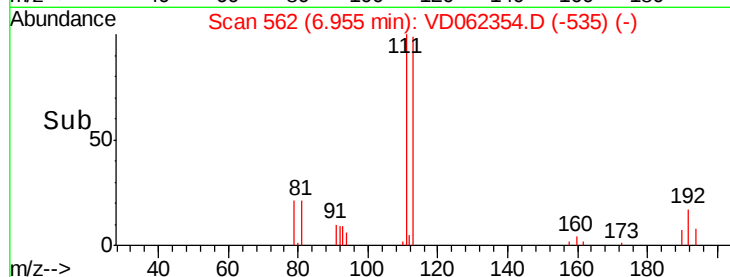
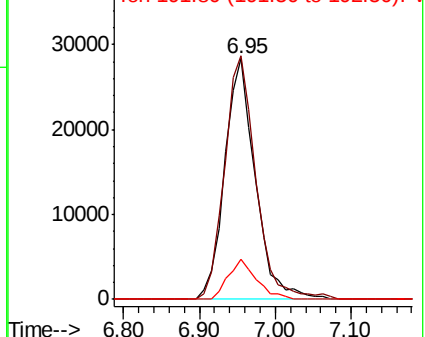
113 100

111 101.2 78.5 117.7

192 16.9 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: 7.374 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

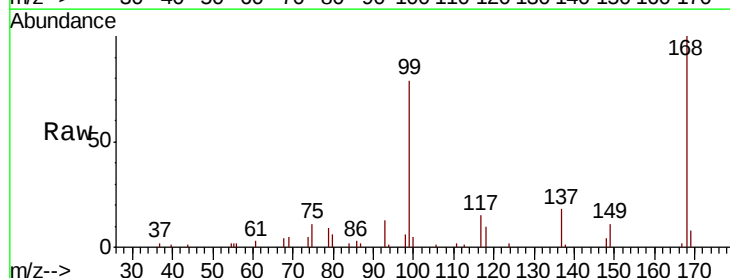
Tgt Ion: 75 Resp: 9382

Ion Ratio Lower Upper

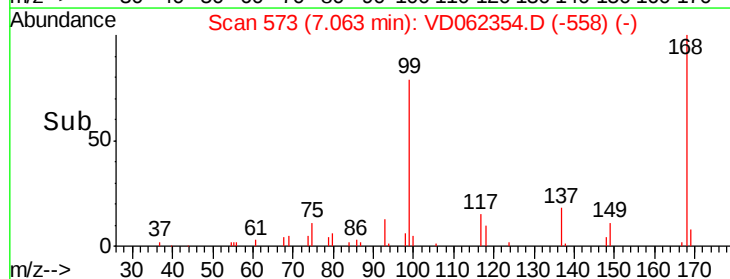
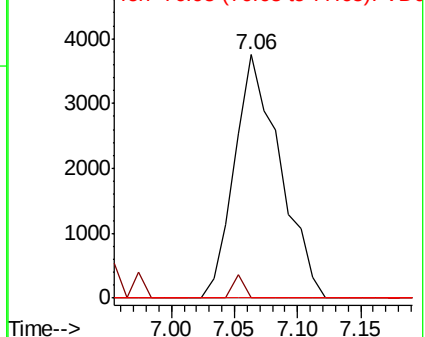
75 100

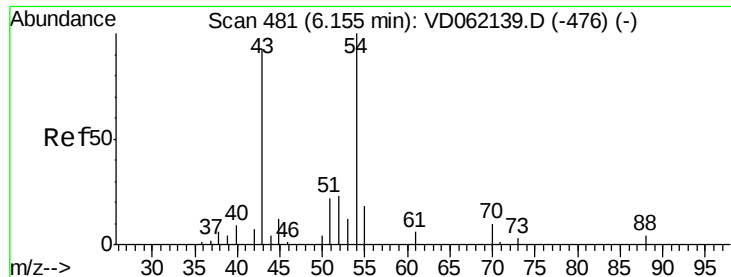
110 0.0 19.1 57.1#

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

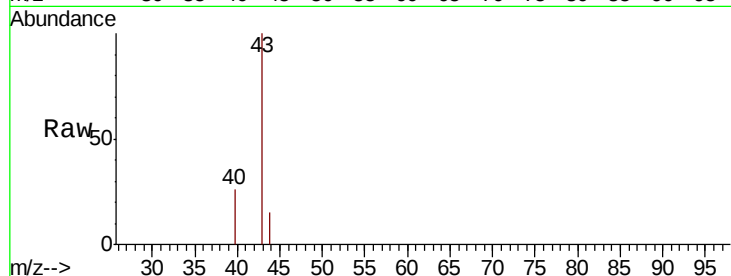




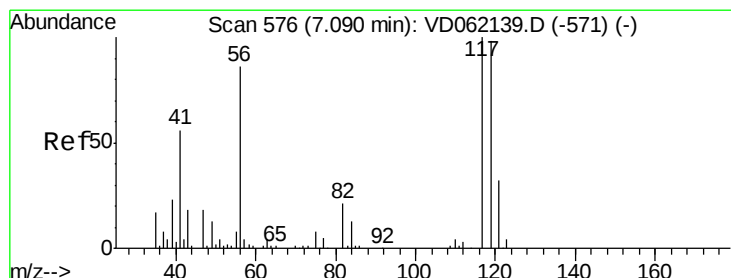
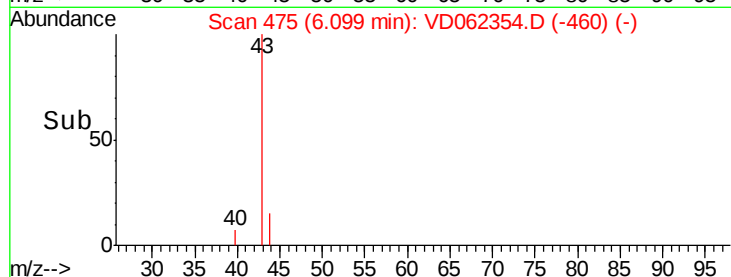
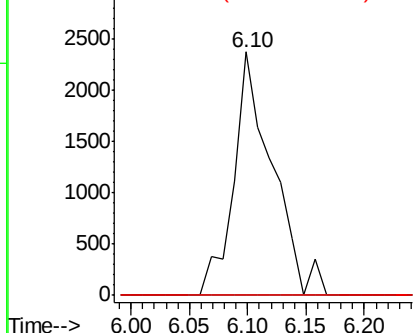
#37
Ethyl Acetate
Concen: 10.105 ug/l
RT: 6.10 min Scan# 475
Delta R.T. -0.06 min
Lab File: VD062354.D
Acq: 14 May 2019 18:47

Instrument :
MSVOA_D
ClientSampleId :
P021-SS009-0002-01

Tot Ion: 43 Resp: 5452
Ion Ratio Lower Upper
43 100
61 0.0 14.7 22.1#
70 0.0 7.8 11.6#

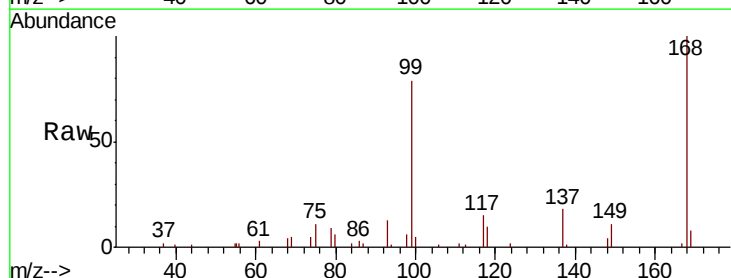


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

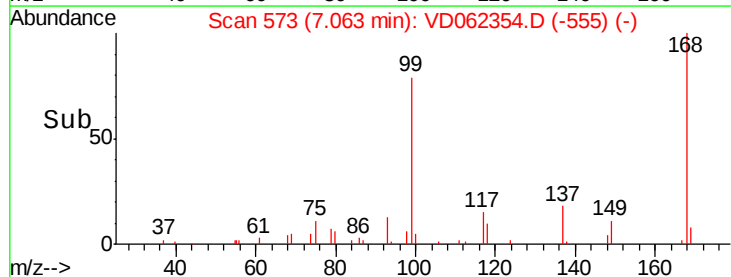
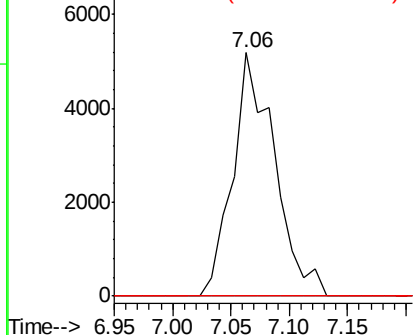


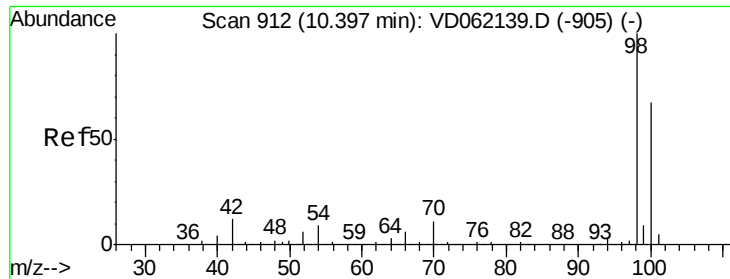
#38
Carbon Tetrachloride
Concen: 7.341 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062354.D
Acq: 14 May 2019 18:47

Tgt Ion: 117 Resp: 12927
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: 39.493 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

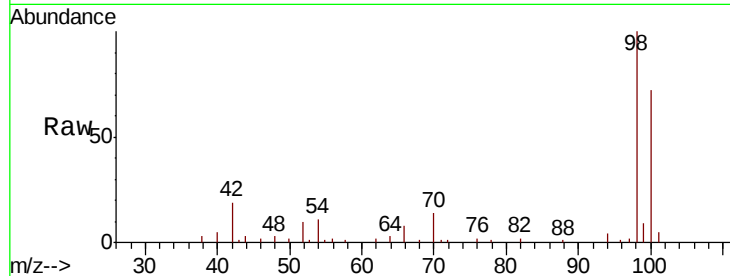
P021-SS009-0002-01

Tot Ion: 98 Resp: 122597

Ion Ratio Lower Upper

98 100

100 71.6 53.8 80.8

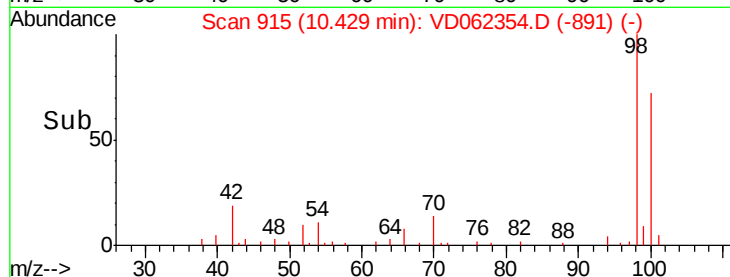


Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.43

Time-->



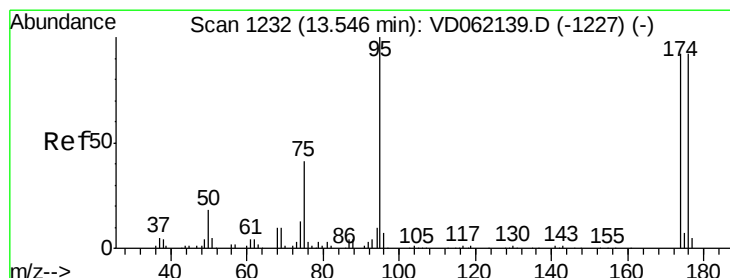
Abundance

Ion 98.05 (97.75 to 98.75): VD062354.D (-891) (-)

Ion 100.05 (99.75 to 100.75): VD062354.D (-891) (-)

10.43

Time-->



#62

4-Bromofluorobenzene

Concen: 30.843 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

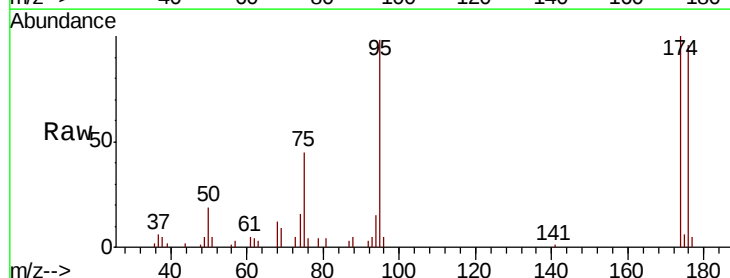
Tgt Ion: 95 Resp: 38447

Ion Ratio Lower Upper

95 100

174 102.0 0.0 181.8

176 97.4 0.0 174.4



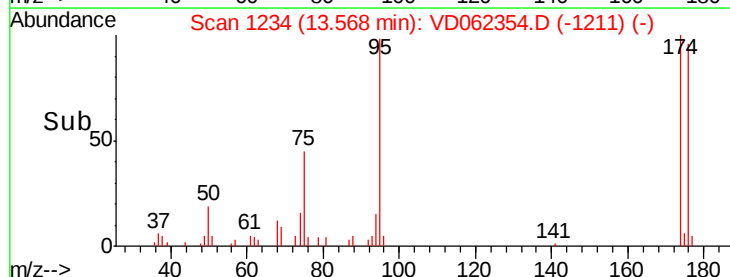
Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.57

Time-->



Abundance

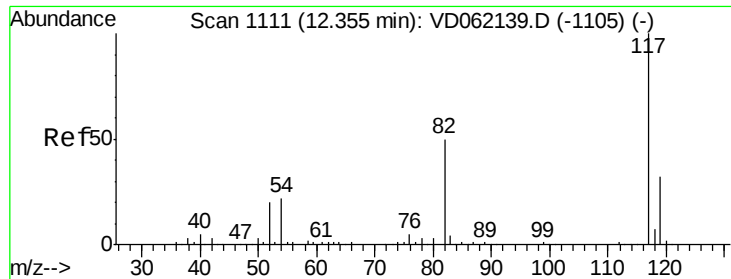
Ion 95.00 (94.70 to 95.70): VD062354.D (-1211) (-)

Ion 173.90 (173.60 to 174.60): VD062354.D (-1211) (-)

Ion 175.90 (175.60 to 176.60): VD062354.D (-1211) (-)

13.57

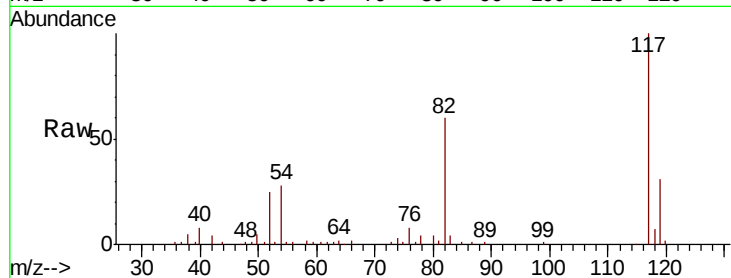
Time-->



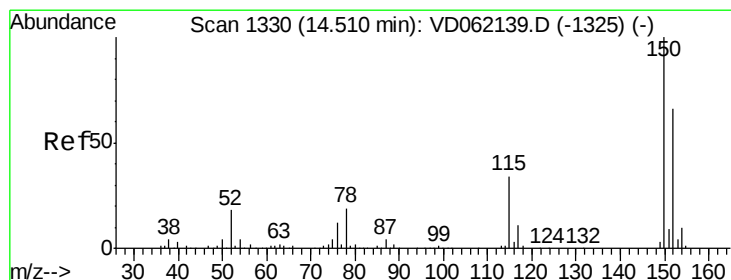
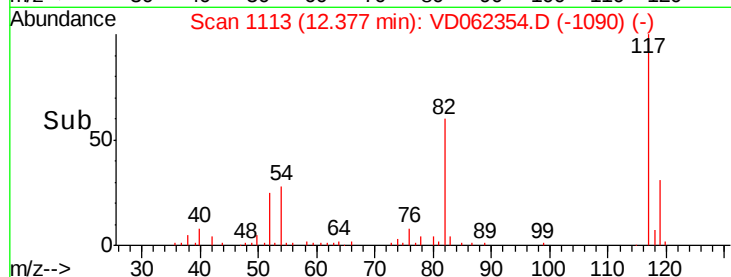
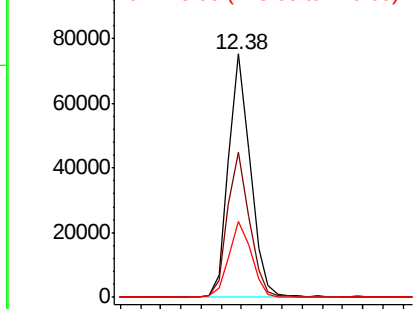
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062354.D
Acq: 14 May 2019 18:47

Instrument :
MSVOA_D
ClientSampleId :
P021-SS009-0002-01

Tot Ion:117 Resp: 113414
Ion Ratio Lower Upper
117 100
82 59.8 36.2 54.2#
119 31.1 26.2 39.4

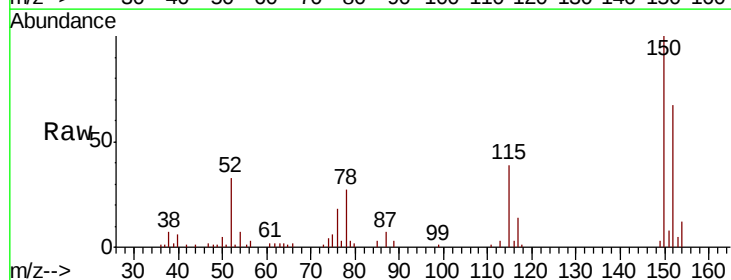


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

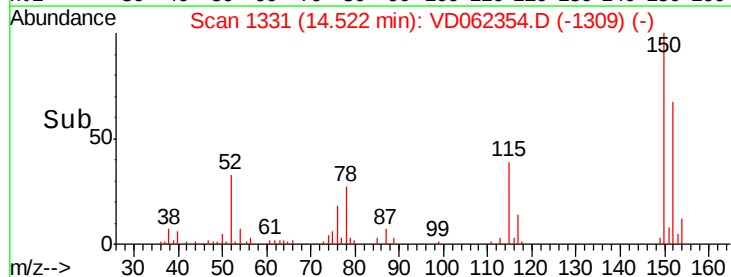
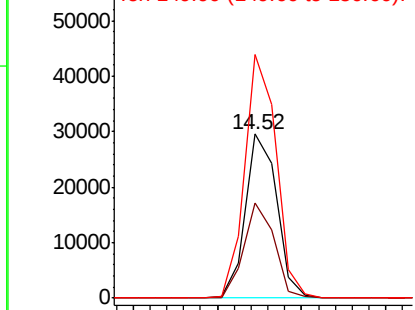


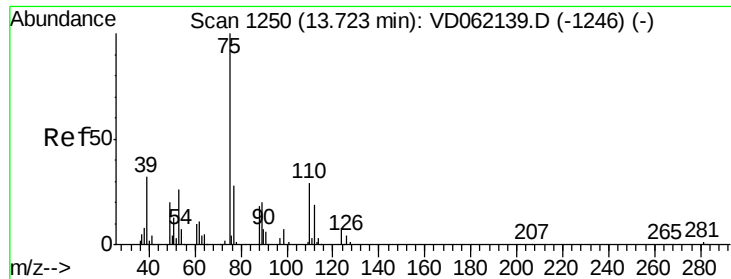
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062354.D
Acq: 14 May 2019 18:47

Tgt Ion:152 Resp: 38158
Ion Ratio Lower Upper
152 100
115 58.1 30.9 92.7
150 148.6 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





#76

1,2,3-Trichloropropane

Concen: 38.758 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

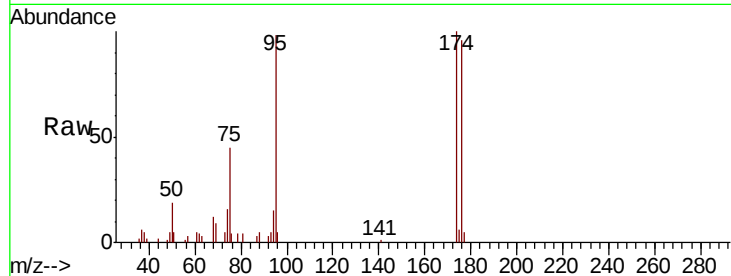
P021-SS009-0002-01

Tot Ion: 75 Resp: 17576

Ion Ratio Lower Upper

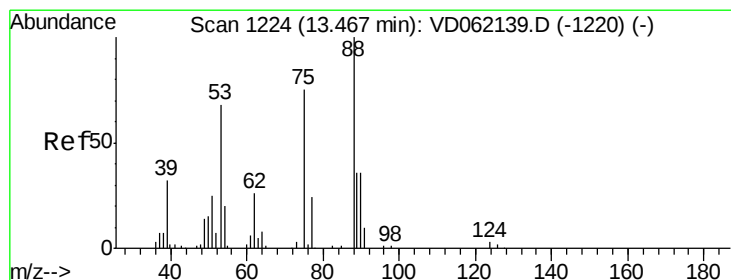
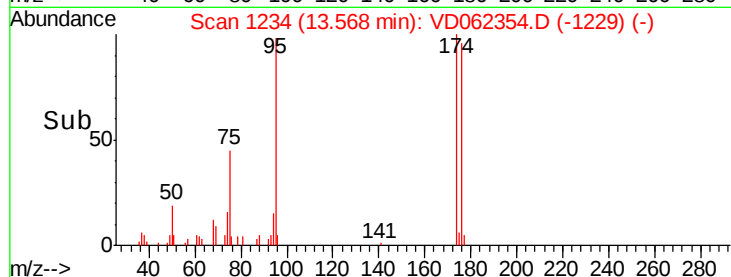
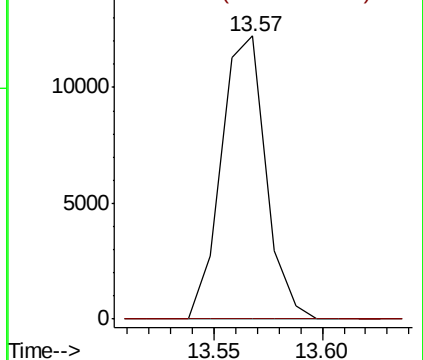
75 100

77 0.0 16.4 49.4#



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: 137.308 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

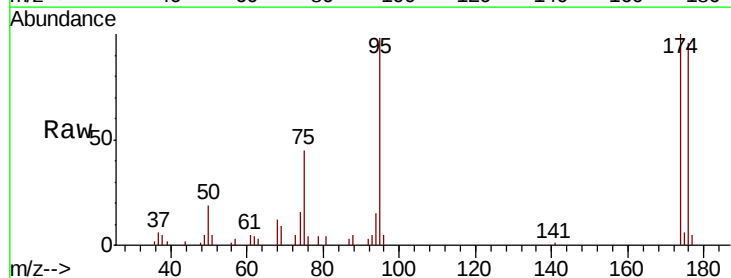
Tgt Ion: 75 Resp: 17578

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

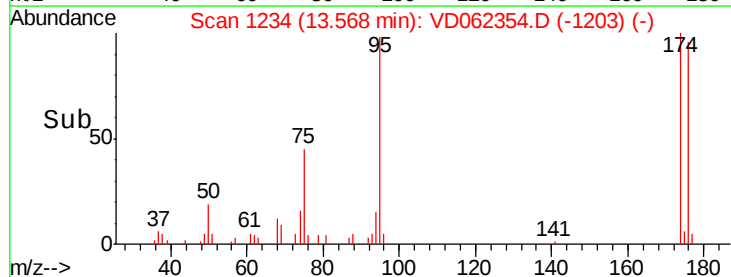
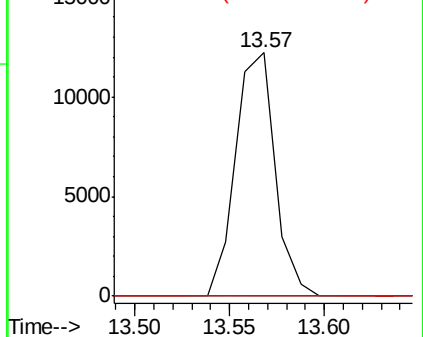
89 0.0 35.0 52.6#

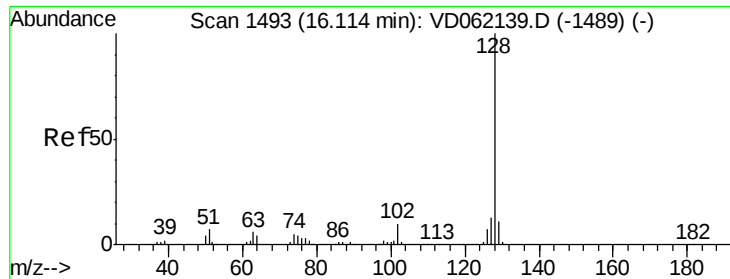


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Napthalene

Concen: 1.163 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062354.D

Acq: 14 May 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

P021-SS009-0002-01

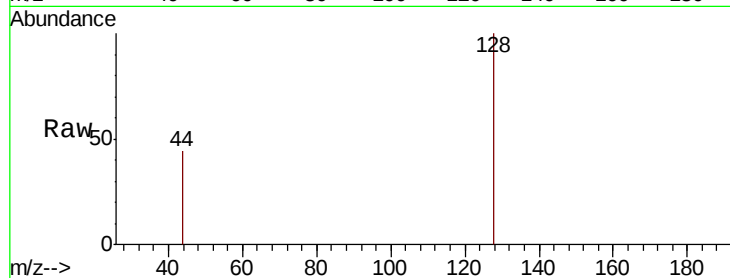
Tot Ion:128 Resp: 1138

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

