

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062266.D
 Acq On : 12 May 2019 18:32
 Operator : FY/SY
 Sample : K2733-11
 Misc : 6.15g/5mL/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0612-01

Quant Time: May 13 01:34:55 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	267774	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	458643	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	317982	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	155973	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	213483	85.79	ug/l	0.04
Spiked Amount			Recovery	=	171.58%	
35) Dibromofluoromethane	6.94	113	232709	61.15	ug/l	0.05
Spiked Amount			Recovery	=	122.30%	
50) Toluene-d8	10.42	98	308771	33.65	ug/l	0.02
Spiked Amount			Recovery	=	67.30%	
62) 4-Bromofluorobenzene	13.56	95	140549	38.15	ug/l	0.02
Spiked Amount			Recovery	=	76.30%	

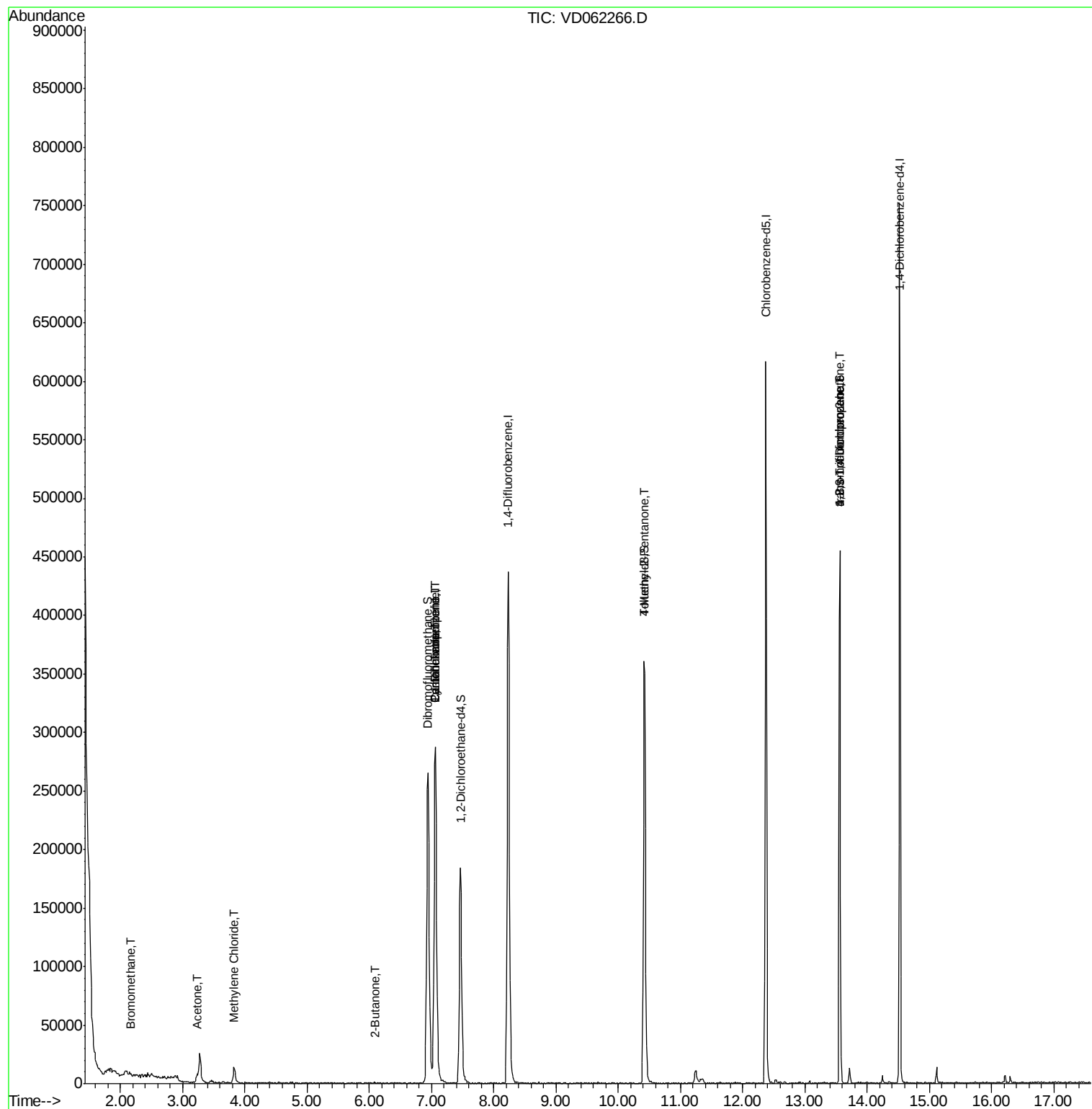
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	2166	5.083	ug/l #	12
16) Acetone	3.23	43	13094	25.091	ug/l #	85
20) Methylene Chloride	3.83	84	8617	3.955	ug/l #	88
25) 2-Butanone	6.09	43	712	1.251	ug/l #	56
31) Cyclohexane	7.05	56	5439	2.083	ug/l #	17
36) 1,1-Dichloropropene	7.06	75	21623	5.750	ug/l #	48
38) Carbon Tetrachloride	7.06	117	29807	5.727	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	1876	1.290	ug/l #	14
76) 1,2,3-Trichloropropane	13.55	75	54490	29.397	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	60930	116.437	ug/l #	16

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

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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# 573

Delta R.T. 0.04 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

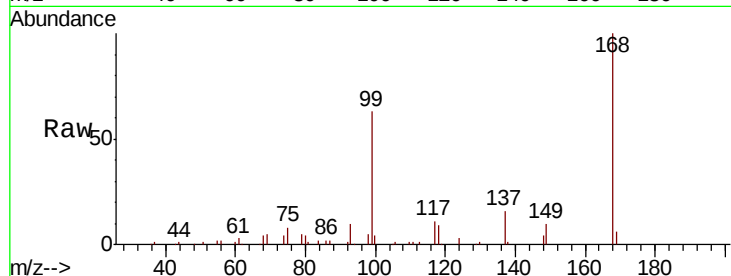
P021-SS002-0612-01

Tot Ion:168 Resp: 267774

Ion Ratio Lower Upper

168 100

99 62.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

100000

80000

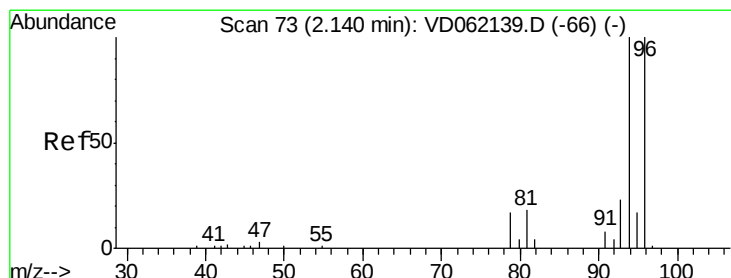
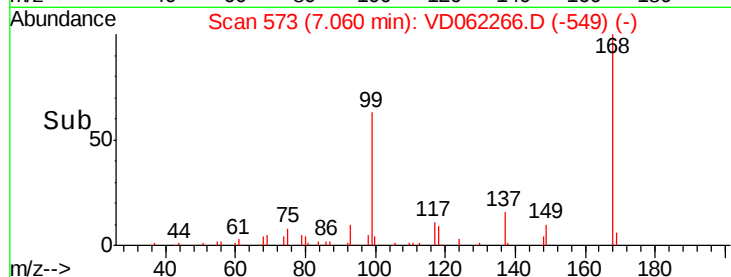
60000

40000

20000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 5.083 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

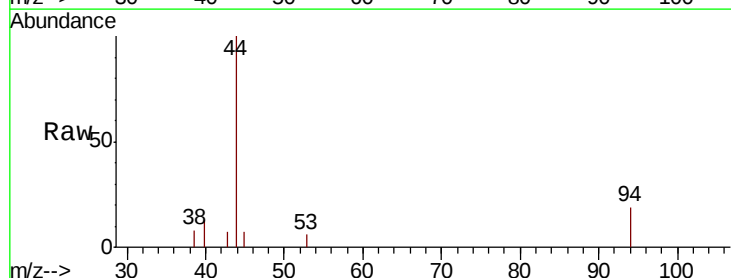
Tgt Ion: 94 Resp: 2166

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

2.18

1200

1000

800

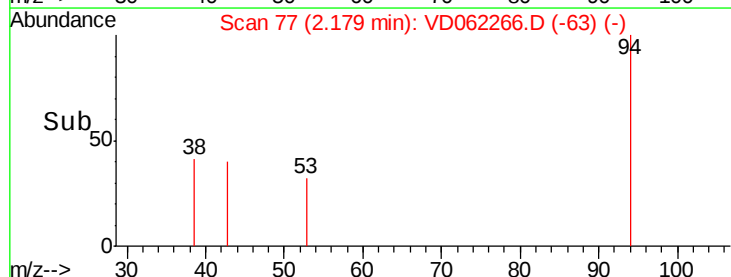
600

400

200

0

Time--> 2.10 2.15 2.20





#16

Acetone

Concen: 25.091 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

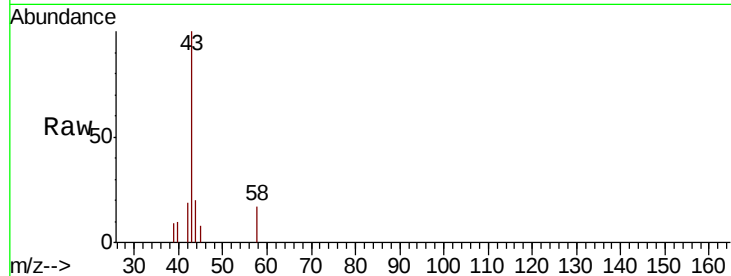
P021-SS002-0612-01

Tot Ion: 43 Resp: 13094

Ion Ratio Lower Upper

43 100

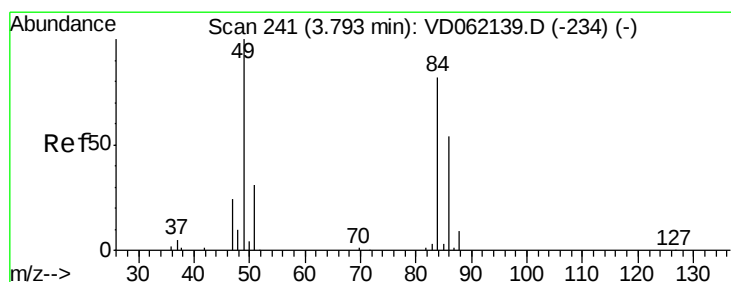
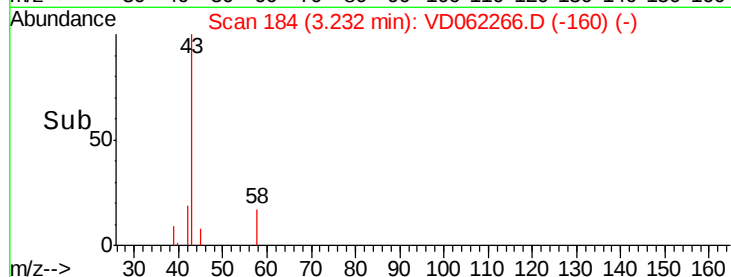
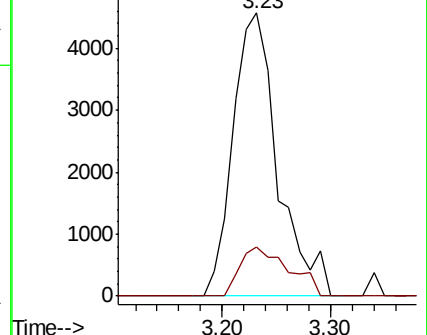
58 17.1 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23



#20

Methylene Chloride

Concen: 3.955 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

Tgt Ion: 84 Resp: 8617

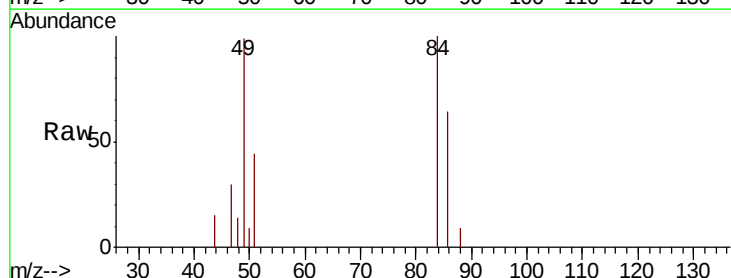
Ion Ratio Lower Upper

84 100

49 99.2 94.0 141.0

51 43.6 29.0 43.4#

86 64.1 49.8 74.6

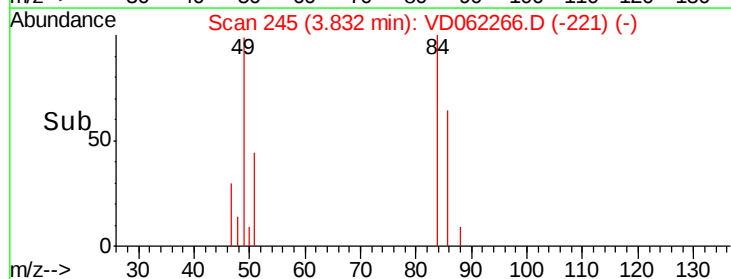
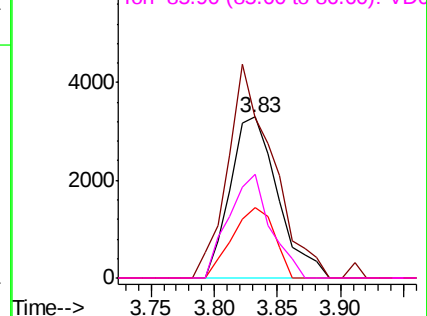


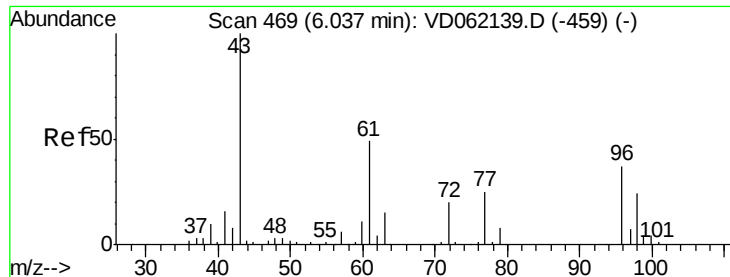
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

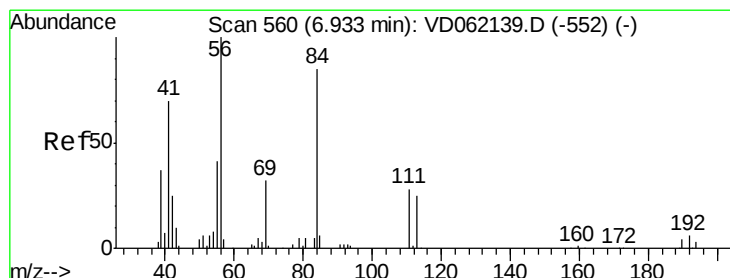
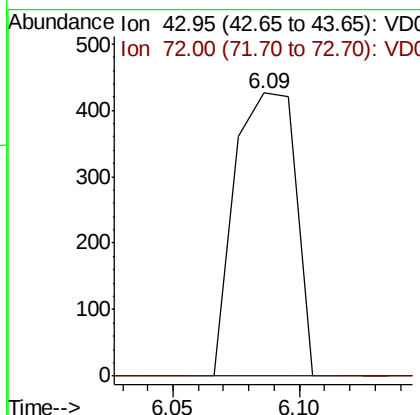
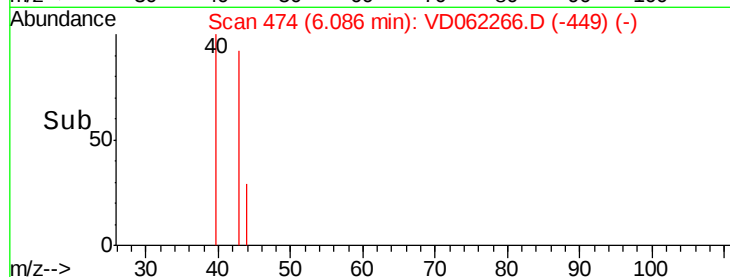
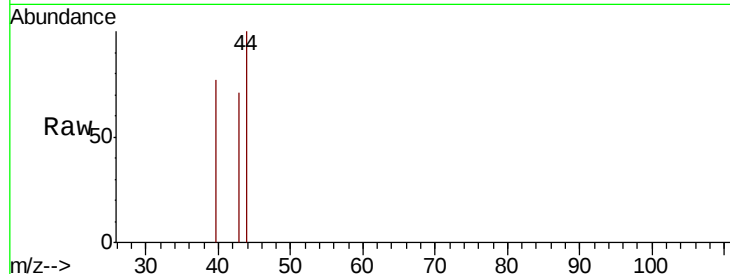




#25
2-Butanone
Concen: 1.251 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.05 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

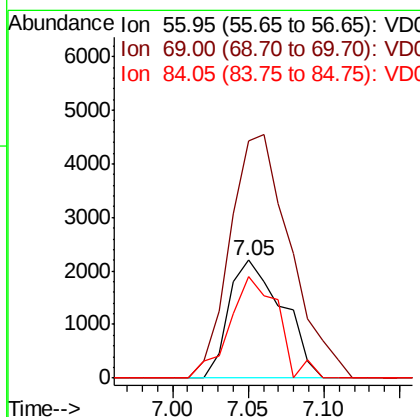
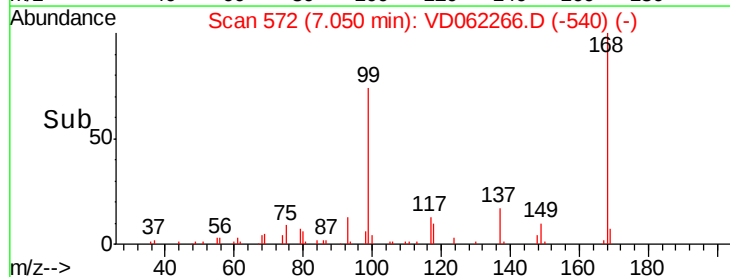
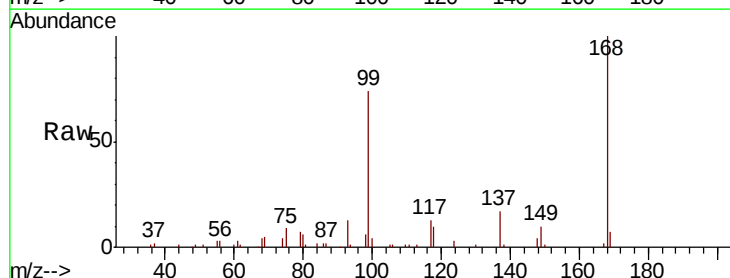
Instrument :
MSVOA_D
ClientSampleId :
P021-SS002-0612-01

Tot Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#31
Cyclohexane
Concen: 2.083 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion: 56 Resp: 5439
Ion Ratio Lower Upper
56 100
69 201.9 25.8 38.6#
84 85.8 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 85.789 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

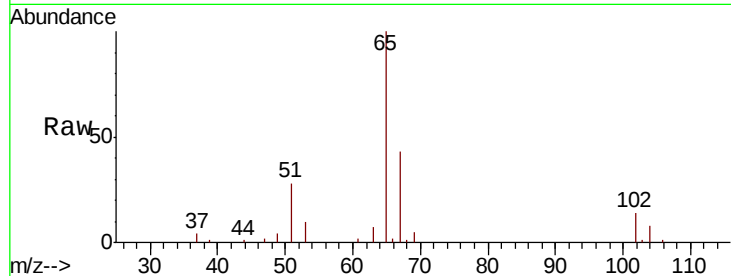
P021-SS002-0612-01

Tot Ion: 65 Resp: 213483

Ion Ratio Lower Upper

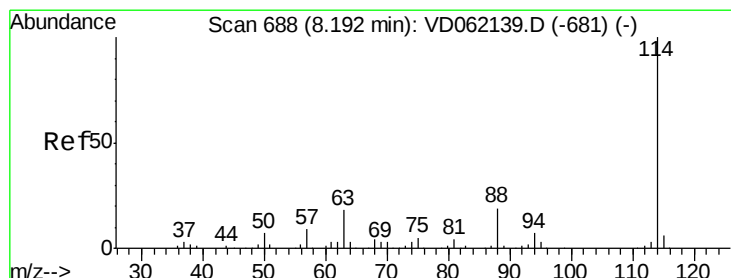
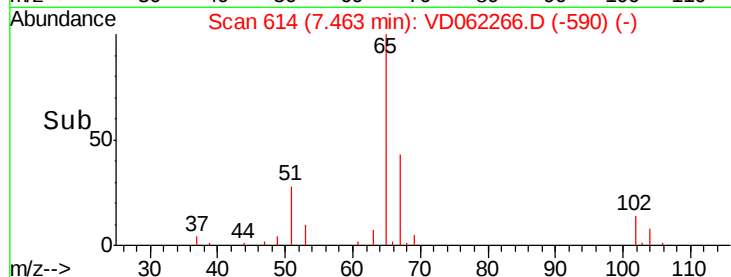
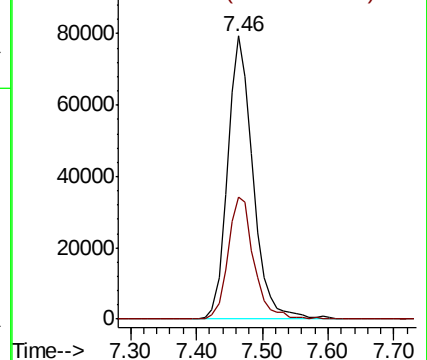
65 100

67 42.9 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: VD062266.D

Acq: 12 May 2019 18:32

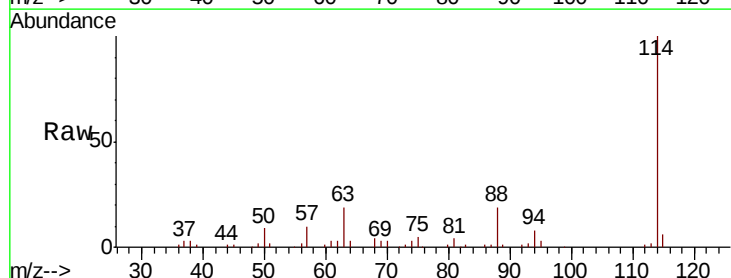
Tgt Ion: 114 Resp: 458643

Ion Ratio Lower Upper

114 100

63 18.8 0.0 32.4

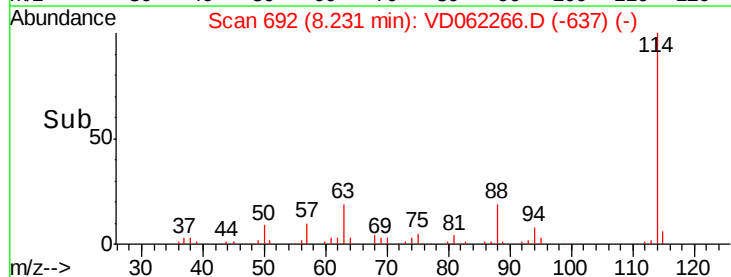
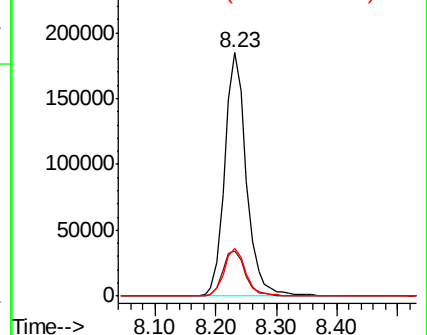
88 19.4 0.0 33.6

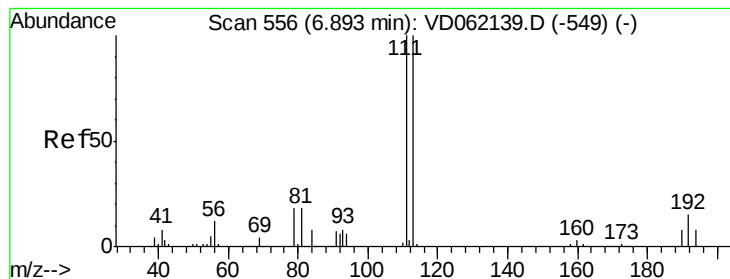


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 61.152 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0612-01

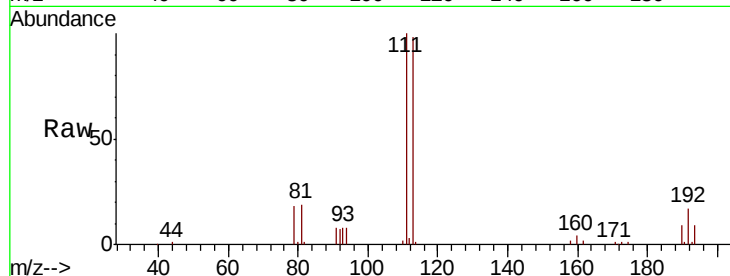
Tot Ion:113 Resp: 232709

Ion Ratio Lower Upper

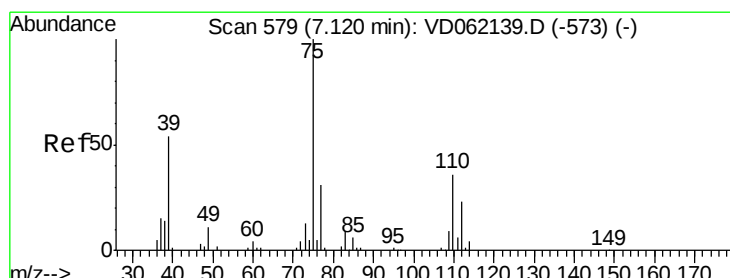
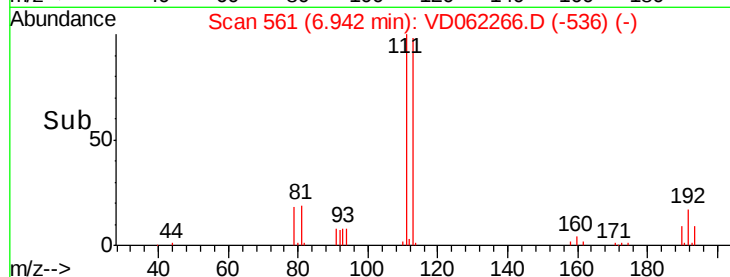
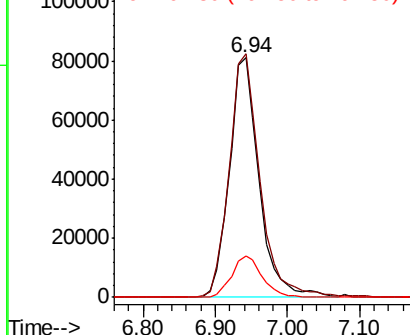
113 100

111 101.7 78.5 117.7

192 17.5 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: 5.750 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

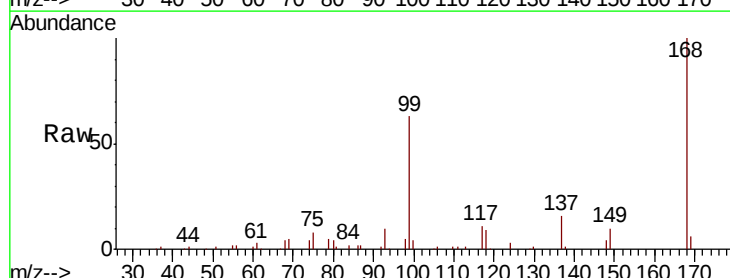
Tgt Ion: 75 Resp: 21623

Ion Ratio Lower Upper

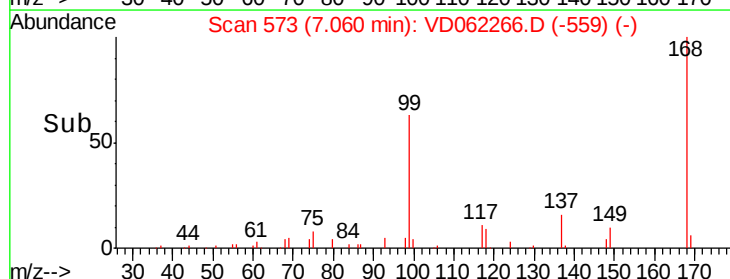
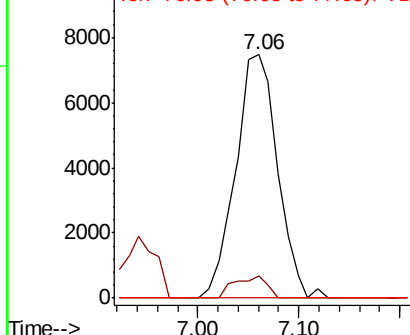
75 100

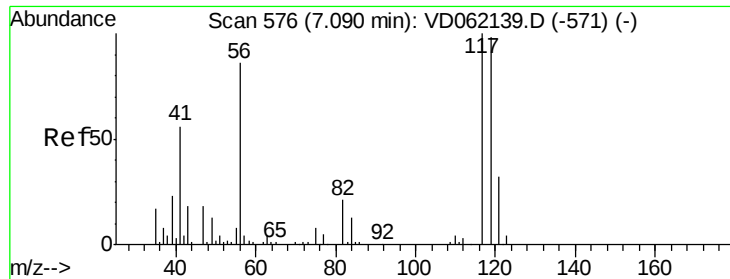
110 9.3 19.1 57.1#

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: 5.727 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0612-01

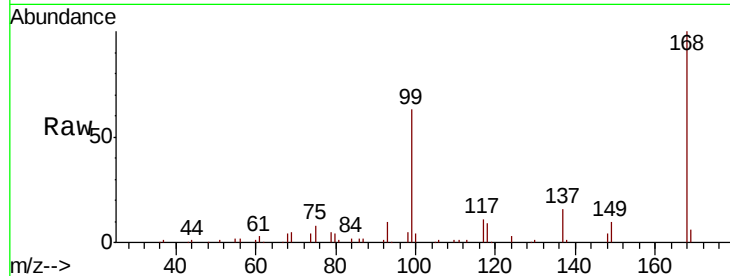
Tot Ion:117 Resp: 29807

Ion Ratio Lower Upper

117 100

119 3.2 75.8 113.8#

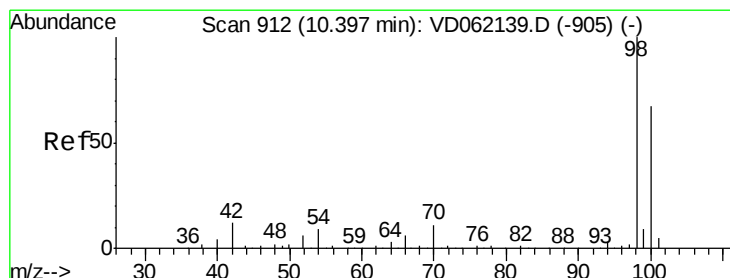
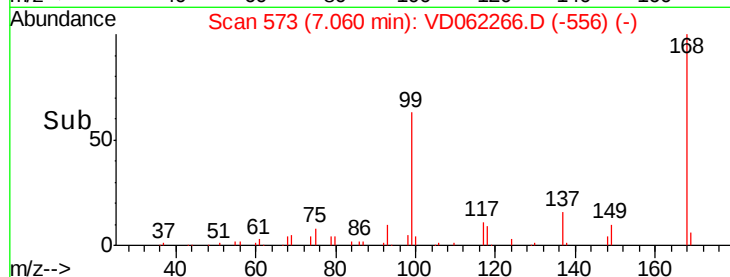
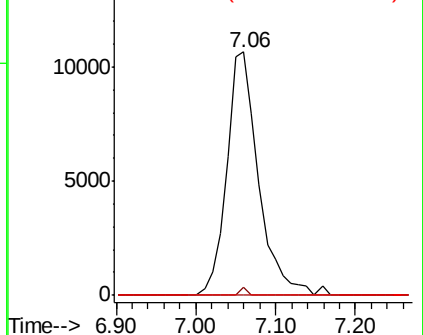
121 0.0 25.9 38.9#



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: 33.653 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062266.D

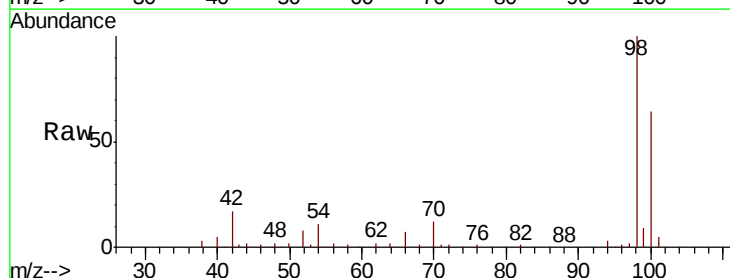
Acq: 12 May 2019 18:32

Tgt Ion: 98 Resp: 308771

Ion Ratio Lower Upper

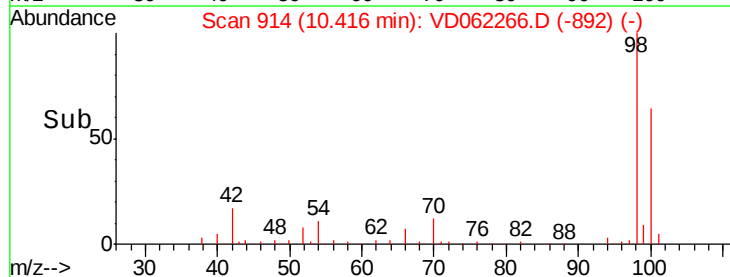
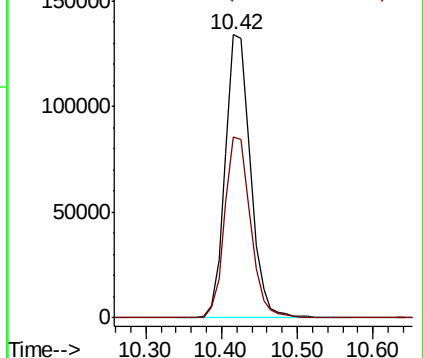
98 100

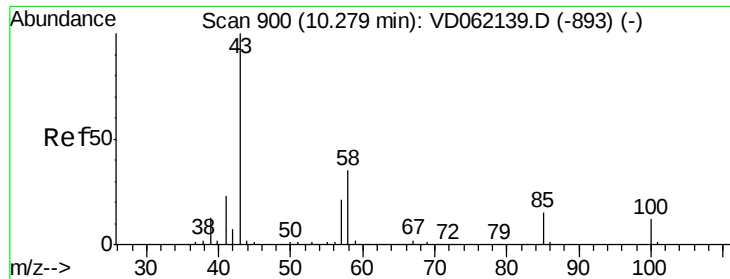
100 63.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.290 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

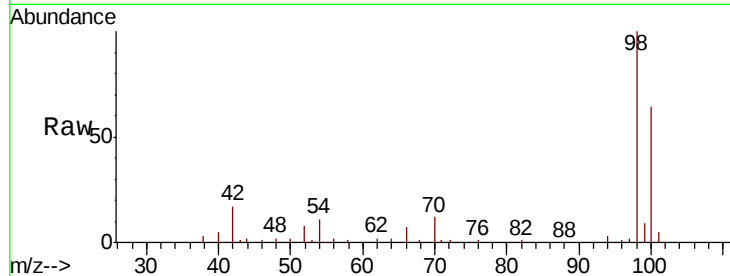
P021-SS002-0612-01

Tot Ion: 43 Resp: 1876

Ion Ratio Lower Upper

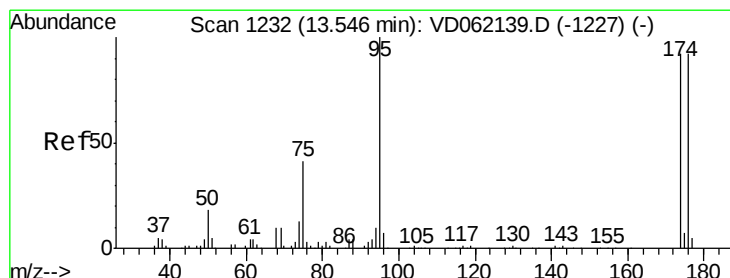
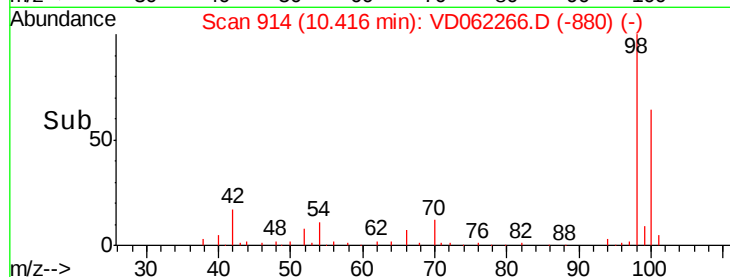
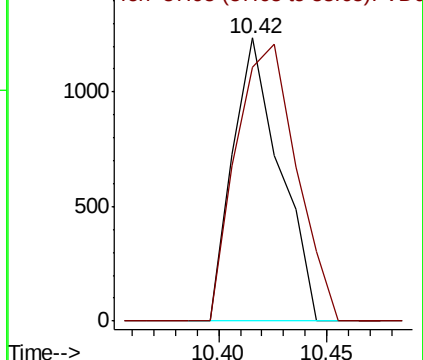
43 100

58 89.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 38.147 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

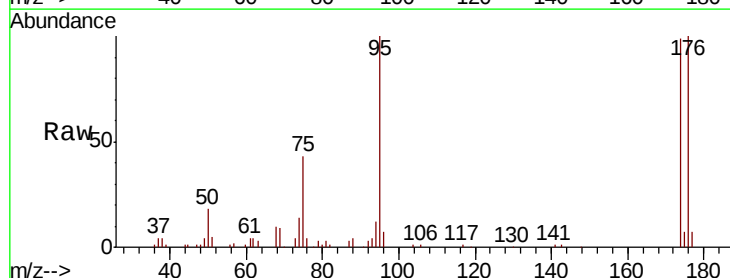
Tgt Ion: 95 Resp: 140549

Ion Ratio Lower Upper

95 100

174 98.8 0.0 181.8

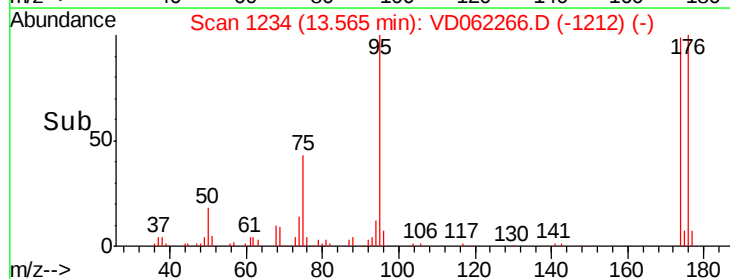
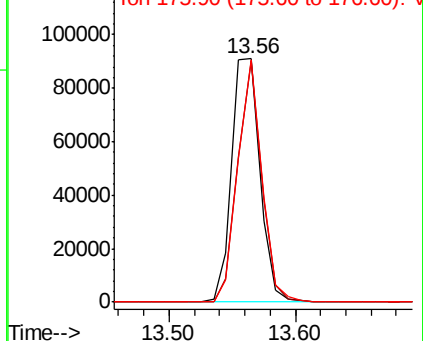
176 99.6 0.0 174.4

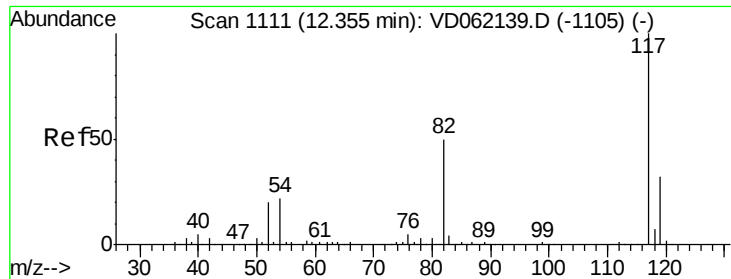


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

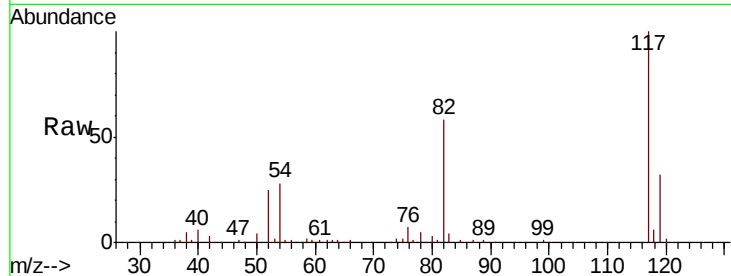




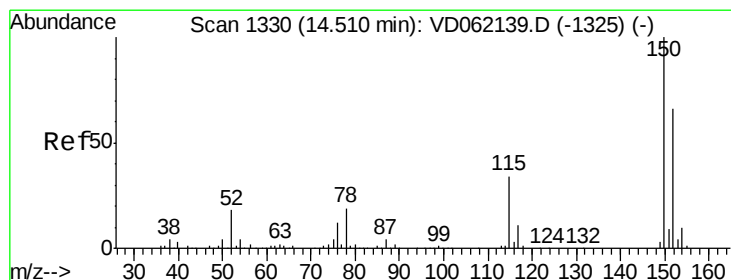
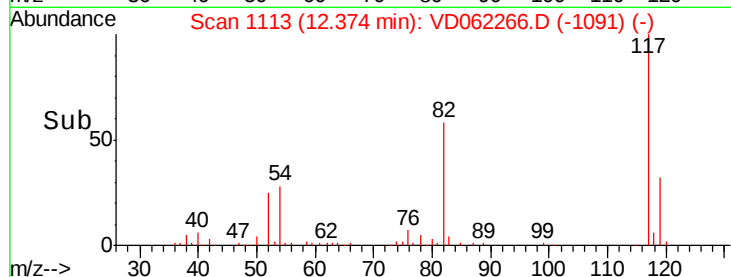
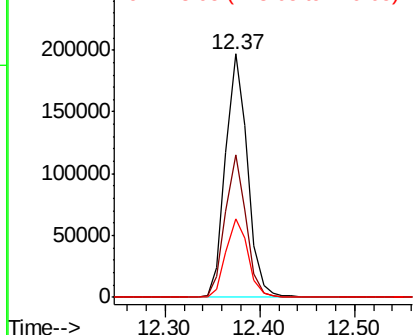
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Instrument :
MSVOA_D
ClientSampleId :
P021-SS002-0612-01

Tot Ion:117 Resp: 317982
Ion Ratio Lower Upper
117 100
82 58.4 36.2 54.2#
119 32.2 26.2 39.4

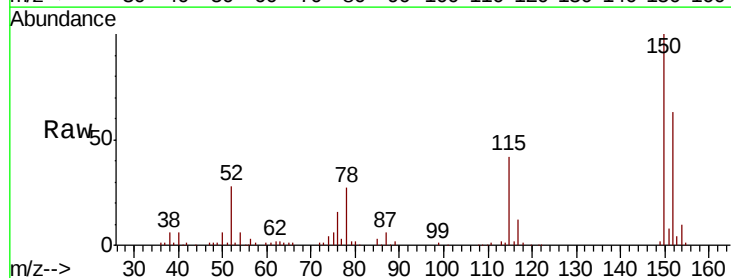


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

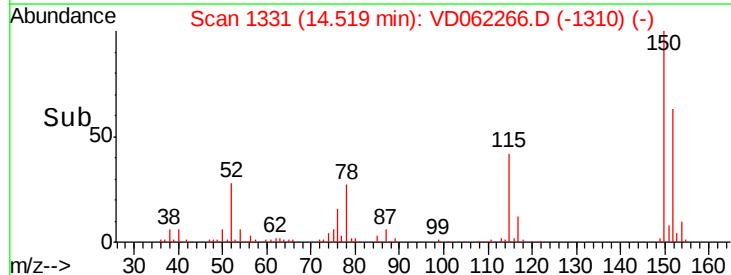
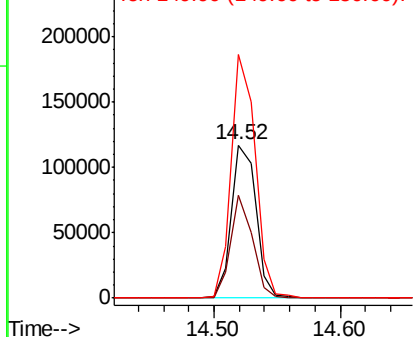


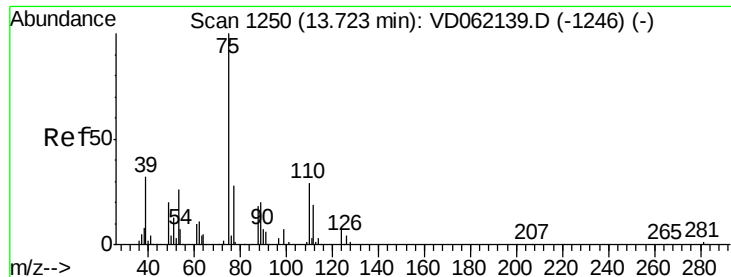
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion:152 Resp: 155973
Ion Ratio Lower Upper
152 100
115 67.2 30.9 92.7
150 159.2 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: 29.397 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

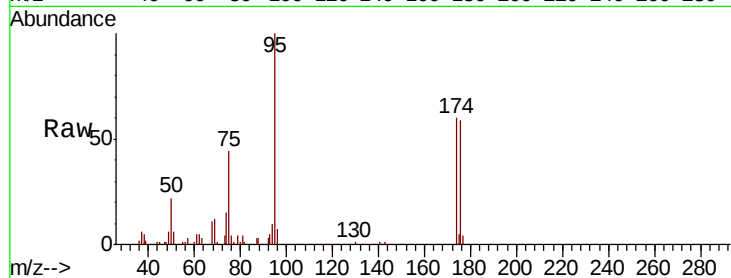
P021-SS002-0612-01

Tot Ion: 75 Resp: 54490

Ion Ratio Lower Upper

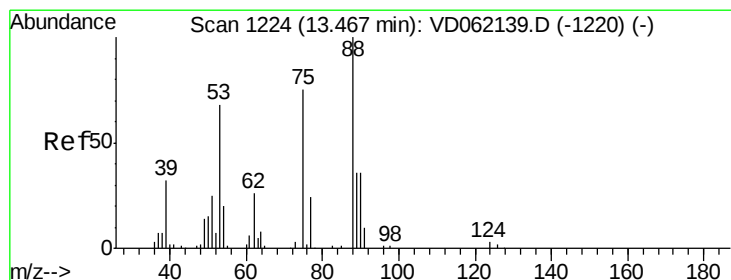
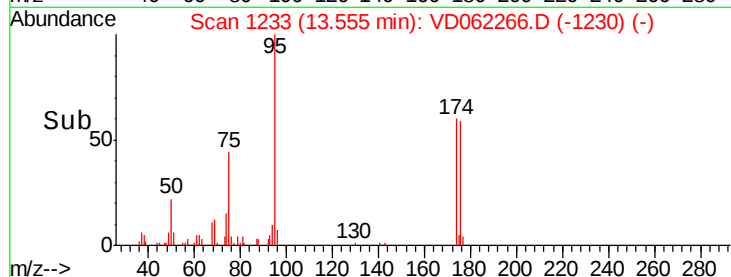
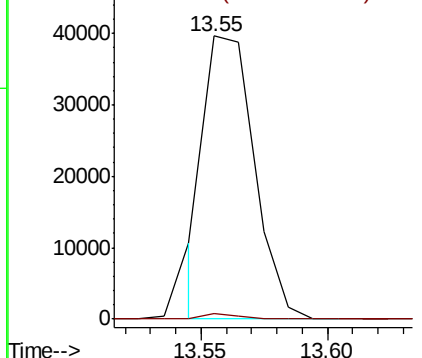
75 100

77 1.8 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: 116.437 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062266.D

Acq: 12 May 2019 18:32

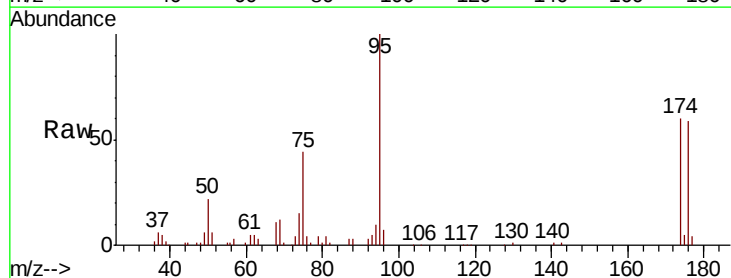
Tgt Ion: 75 Resp: 60930

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

