

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062249.D
 Acq On : 11 May 2019 20:40
 Operator : FY/SY
 Sample : K2719-06
 Misc : 5.07g/5mL/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS008-1218-01

Quant Time: May 11 22:24:24 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	7.05	168	59195	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	116472	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	102801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	59255	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	84726	154.02	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	308.04%	
35) Dibromofluoromethane	6.93	113	67281	69.62	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	139.24%	
50) Toluene-d8	10.41	98	90891	39.01	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	78.02%	
62) 4-Bromofluorobenzene	13.55	95	49356	52.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.50%	

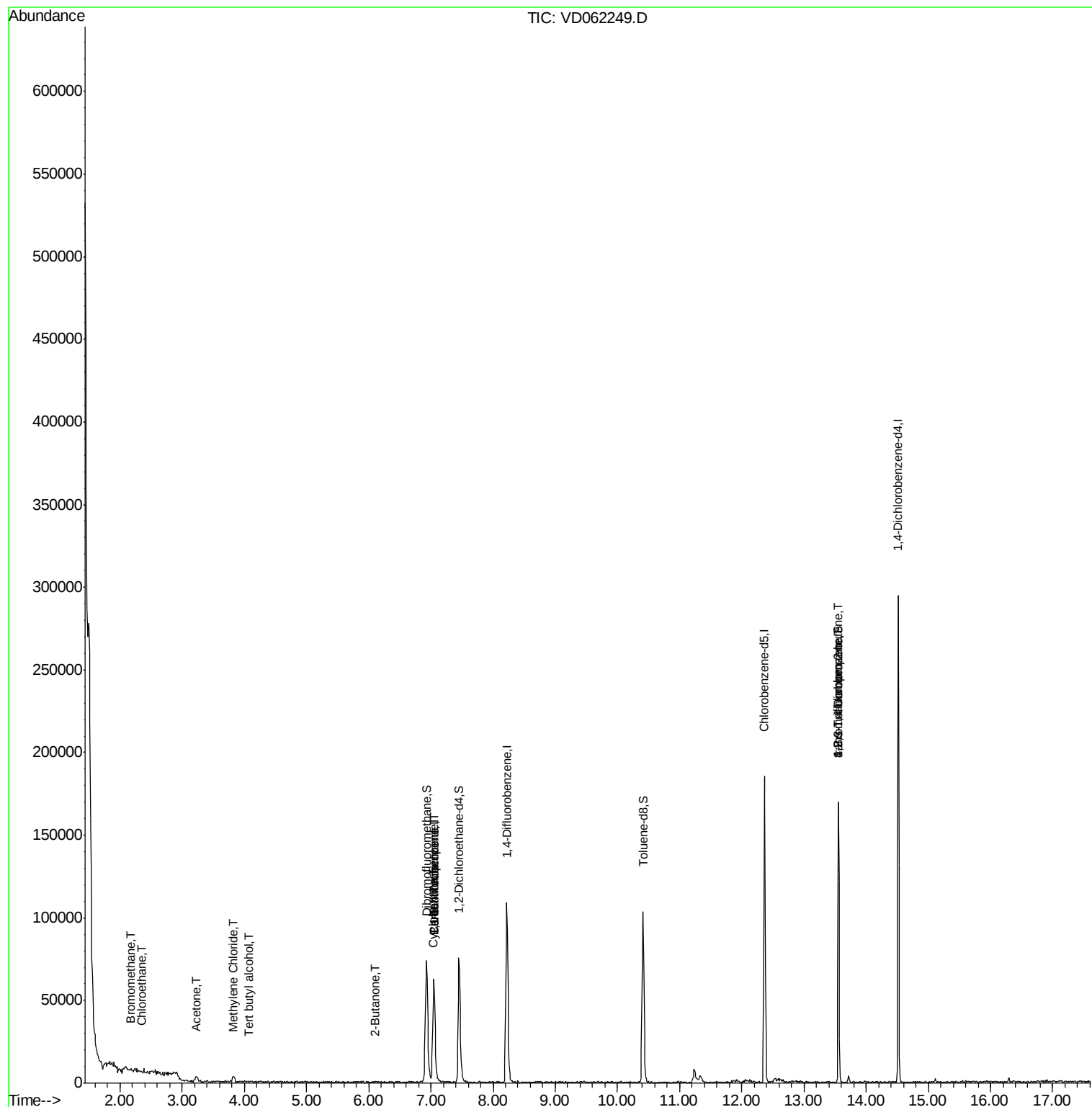
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1955	20.753	ug/l #	12
6) Chloroethane	2.35	64	204	1.209	ug/l #	43
11) Tert butyl alcohol	4.07	59	203	7.229	ug/l #	76
16) Acetone	3.23	43	5825	50.493	ug/l #	76
20) Methylene Chloride	3.83	84	2239	4.648	ug/l #	69
25) 2-Butanone	6.09	43	276	2.193	ug/l #	56
31) Cyclohexane	7.03	56	963	1.668	ug/l #	8
36) 1,1-Dichloropropene	7.06	75	4413	4.621	ug/l #	40
38) Carbon Tetrachloride	7.04	117	5225	3.953	ug/l #	12
76) 1,2,3-Trichloropropane	13.55	75	17603	24.997	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	21391	107.601	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

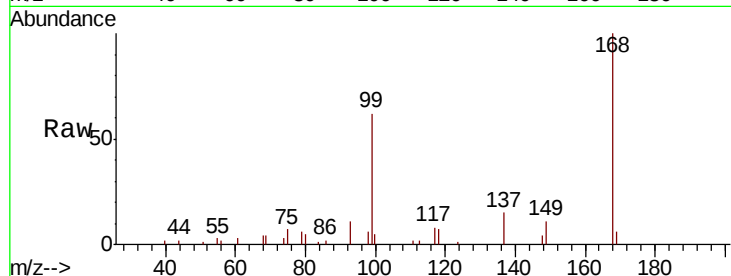
P026-SS008-1218-01

Tot Ion:168 Resp: 59195

Ion Ratio Lower Upper

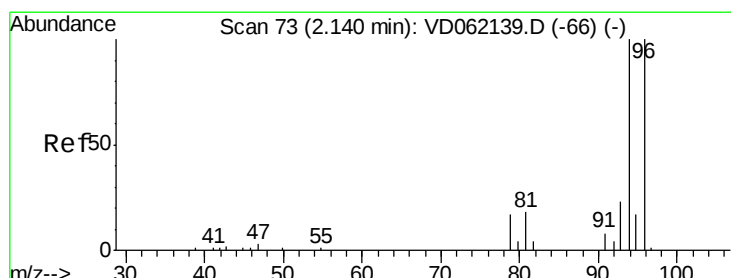
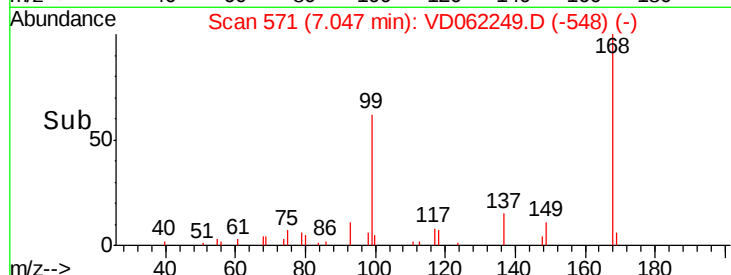
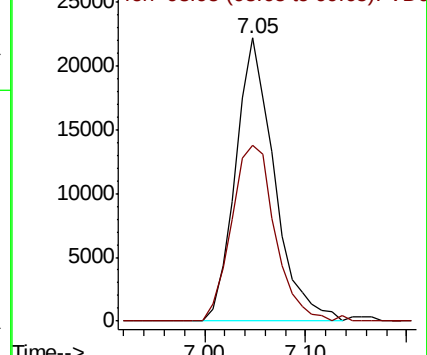
168 100

99 62.2 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: 20.753 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.03 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

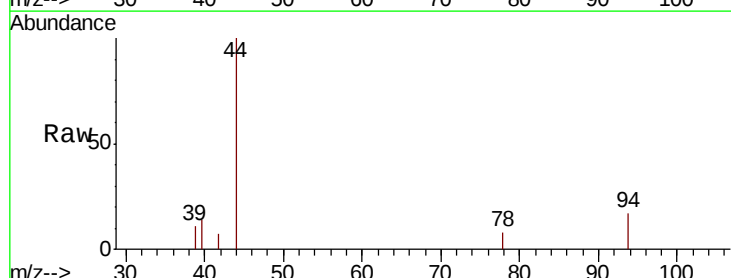
Tgt Ion: 94 Resp: 1955

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

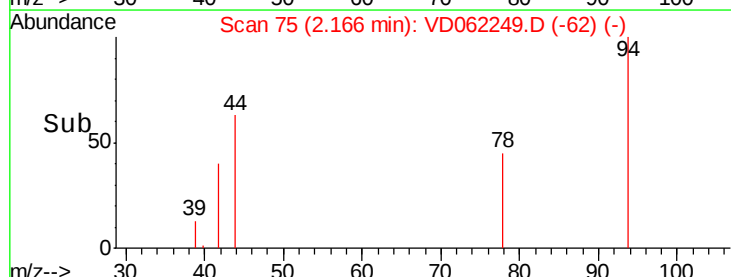
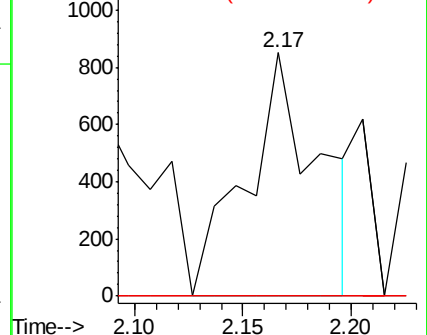
93 0.0 18.5 27.7#

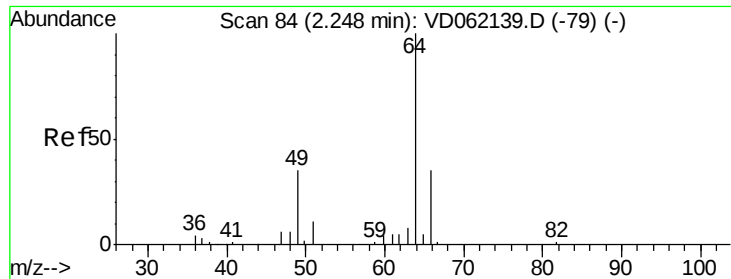


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

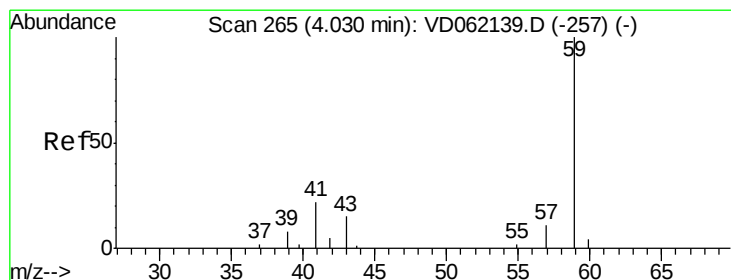
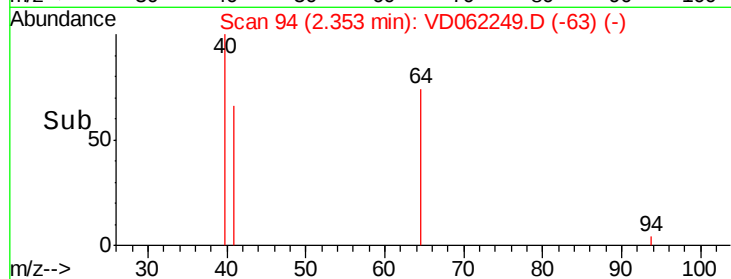
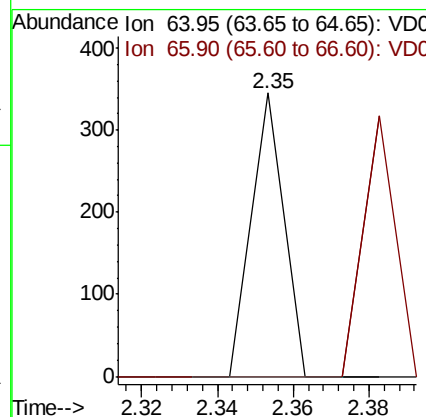
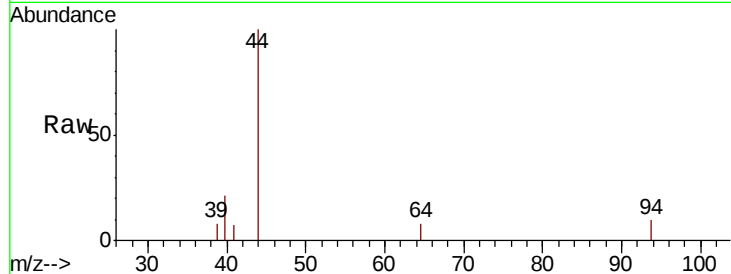




#6
 Chloroethane
 Concen: 1.209 ug/l
 RT: 2.35 min Scan# 94
 Delta R.T. 0.10 min
 Lab File: VD062249.D
 Acq: 11 May 2019 20:40

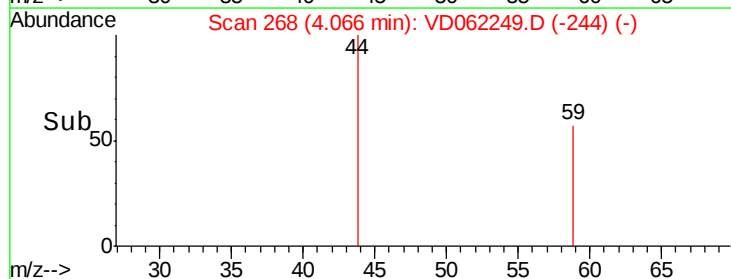
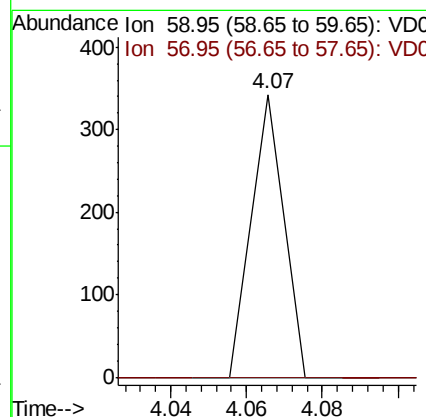
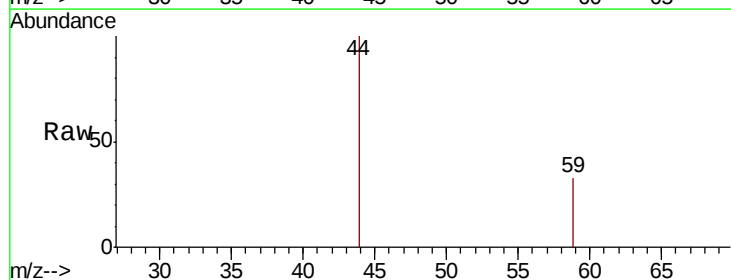
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS008-1218-01

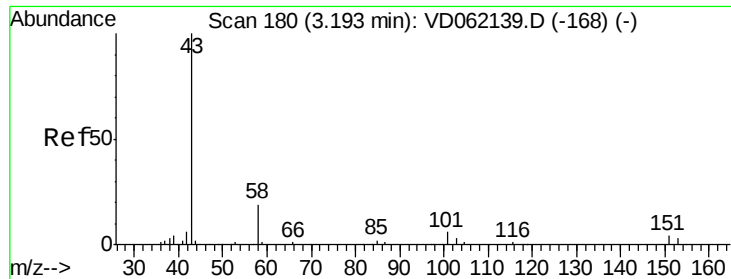
Tot Ion: 64 Resp: 204
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.6 38.4#



#11
 Tert butyl alcohol
 Concen: 7.229 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.04 min
 Lab File: VD062249.D
 Acq: 11 May 2019 20:40

Tgt Ion: 59 Resp: 203
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#





#16

Acetone

Concen: 50.493 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.04 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

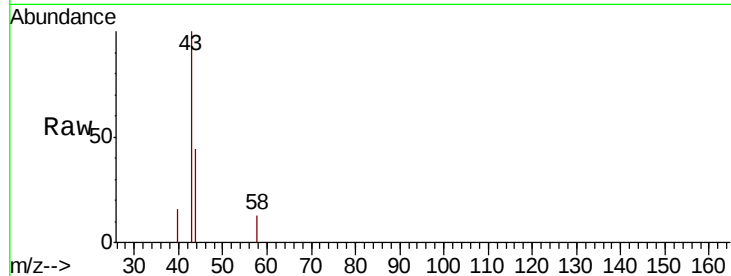
P026-SS008-1218-01

Tot Ion: 43 Resp: 5825

Ion Ratio Lower Upper

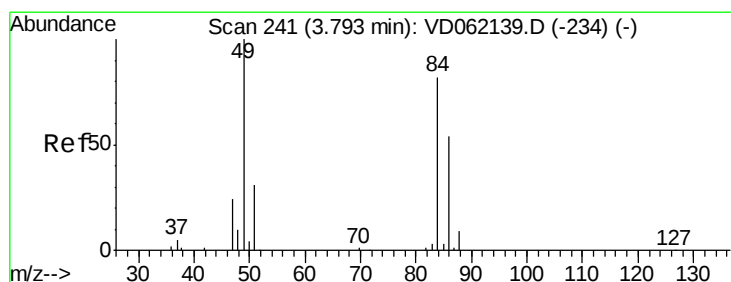
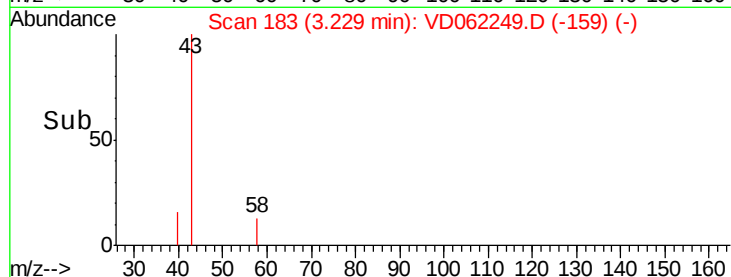
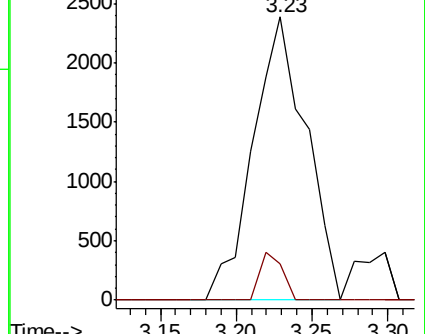
43 100

58 13.0 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: 4.648 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.04 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

Tgt Ion: 84 Resp: 2239

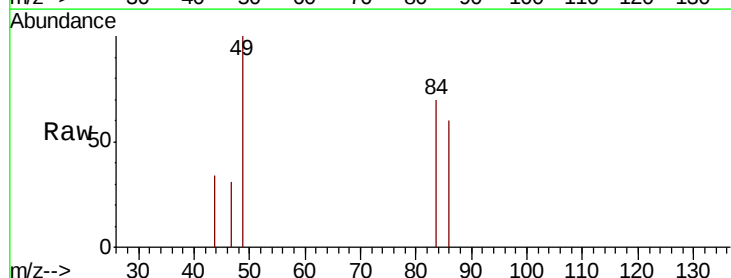
Ion Ratio Lower Upper

84 100

49 142.4 94.0 141.0#

51 0.0 29.0 43.4#

86 85.5 49.8 74.6#

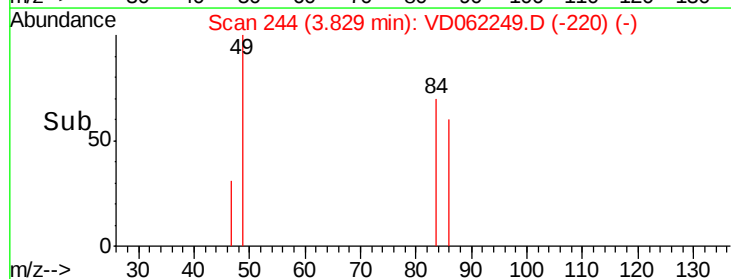
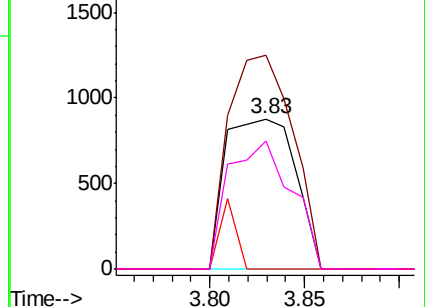


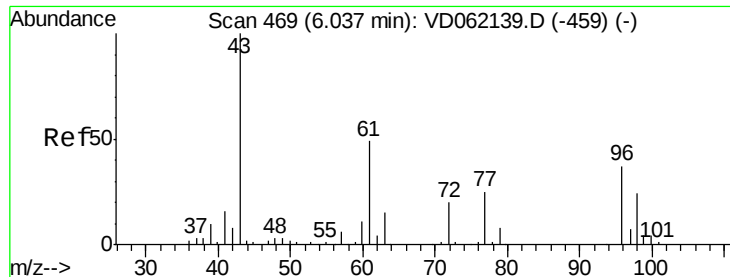
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

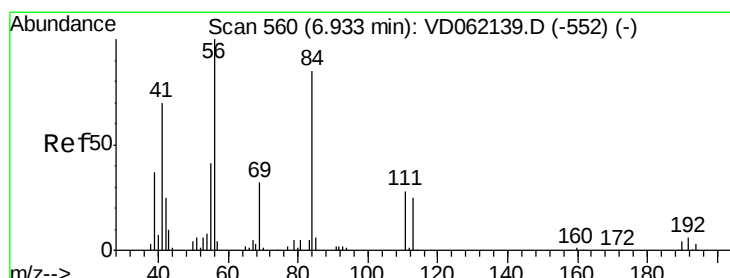
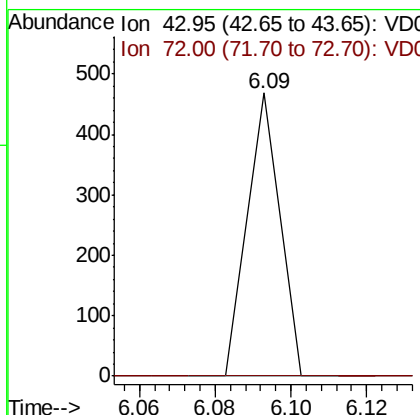
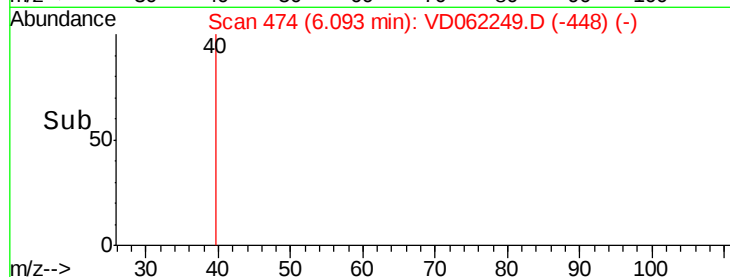
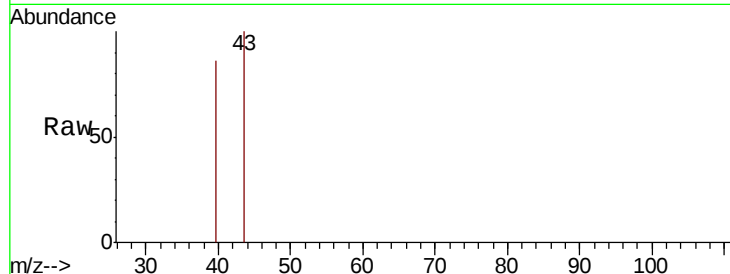




#25
 2-Butanone
 Concen: 2.193 ug/l
 RT: 6.09 min Scan# 474
 Delta R.T. 0.06 min
 Lab File: VD062249.D
 Acq: 11 May 2019 20:40

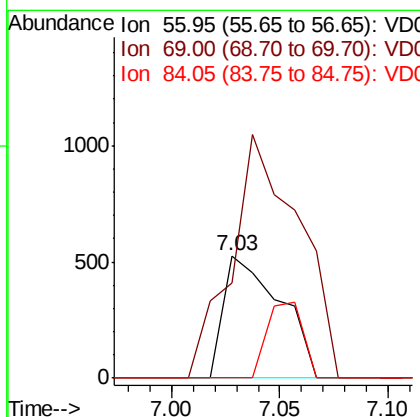
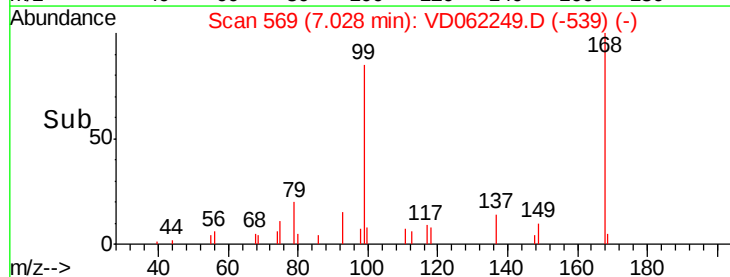
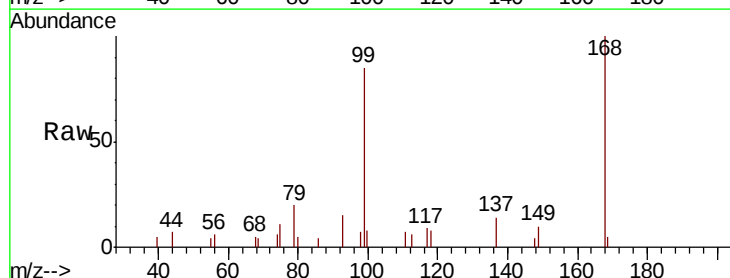
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS008-1218-01

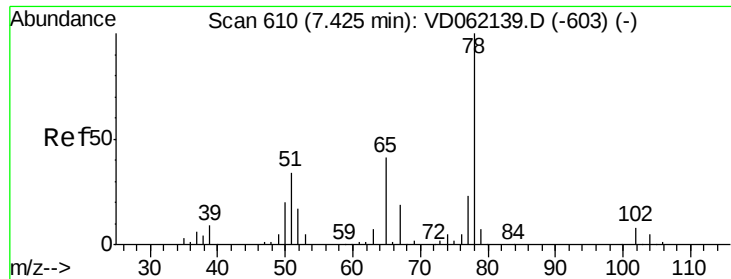
Tot Ion: 43 Resp: 276
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.2 24.4#



#31
 Cyclohexane
 Concen: 1.668 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. 0.09 min
 Lab File: VD062249.D
 Acq: 11 May 2019 20:40

Tgt Ion: 56 Resp: 963
 Ion Ratio Lower Upper
 56 100
 69 78.1 25.8 38.6#
 84 0.0 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 154.017 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.03 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

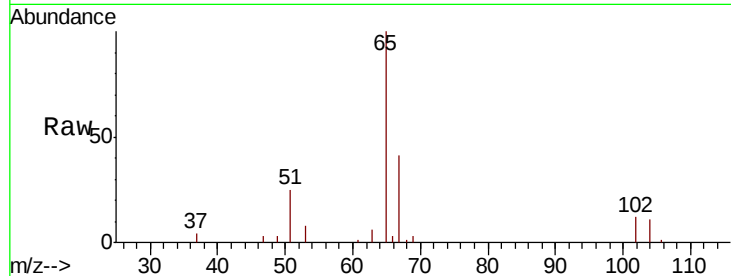
P026-SS008-1218-01

Tot Ion: 65 Resp: 84726

Ion Ratio Lower Upper

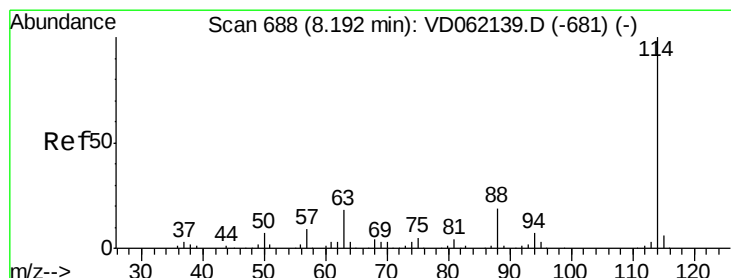
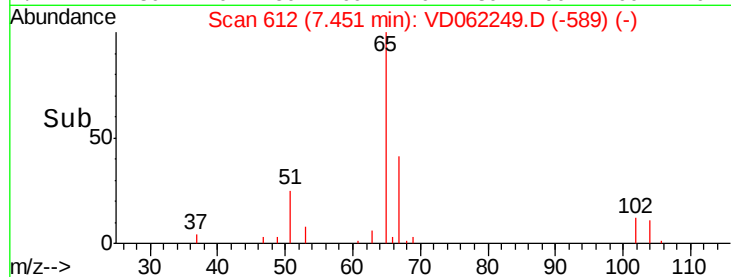
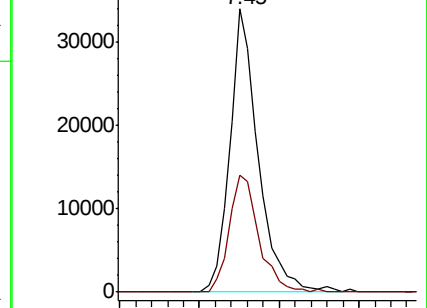
65 100

67 41.3 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: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

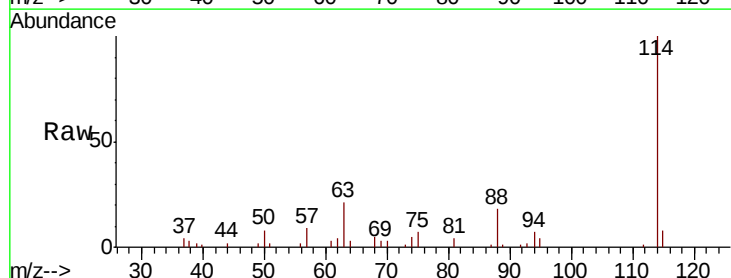
Tgt Ion: 114 Resp: 116472

Ion Ratio Lower Upper

114 100

63 20.6 0.0 32.4

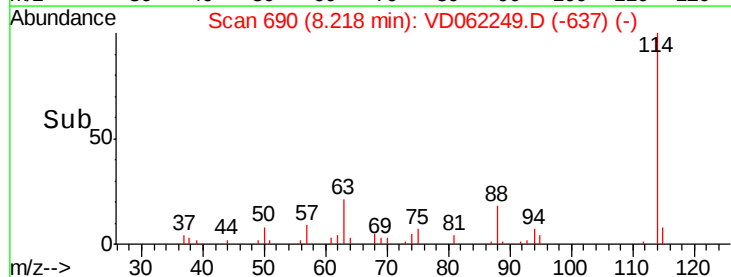
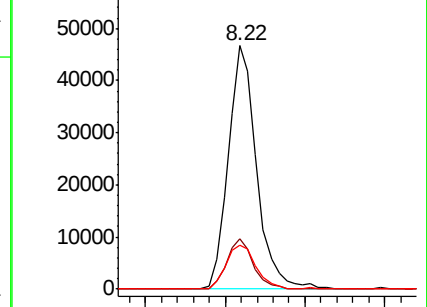
88 18.3 0.0 33.6

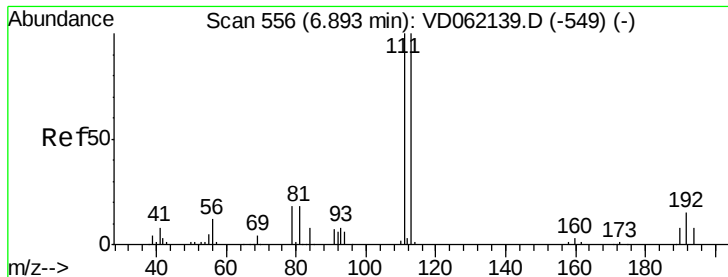


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 69.622 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.04 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

Instrument :

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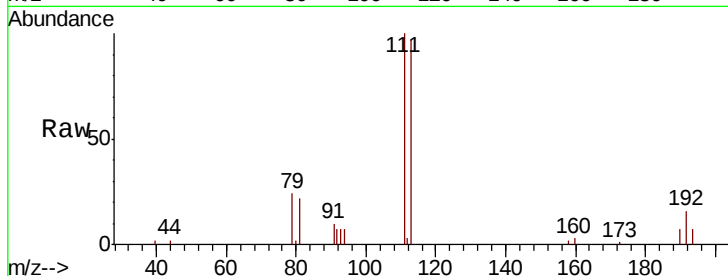
Tot Ion:113 Resp: 67281

Ion Ratio Lower Upper

113 100

111 102.7 78.5 117.7

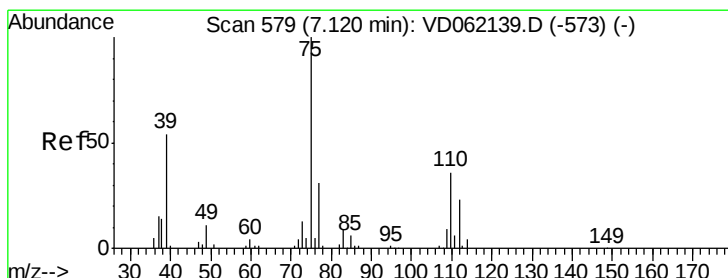
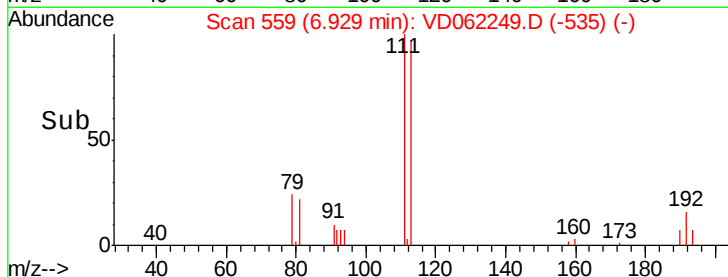
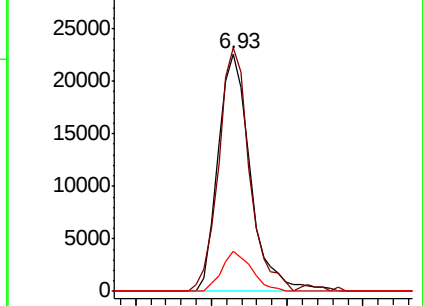
192 16.7 13.0 19.4



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: 4.621 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

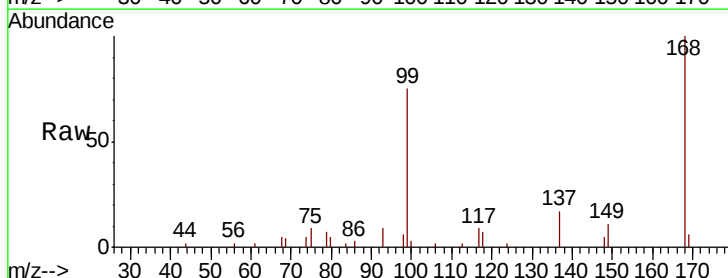
Tgt Ion: 75 Resp: 4413

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

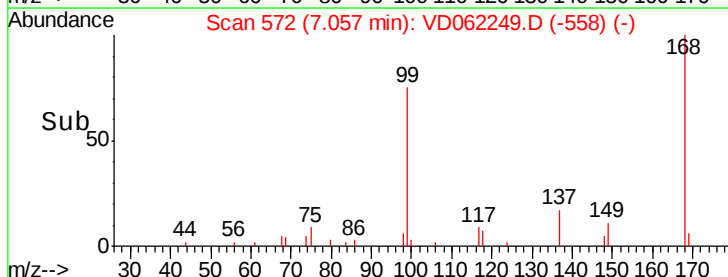
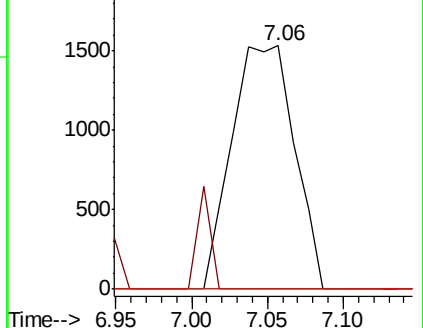
77 0.0 25.6 38.4#

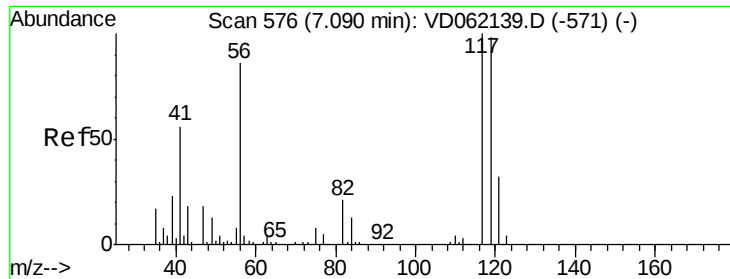


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

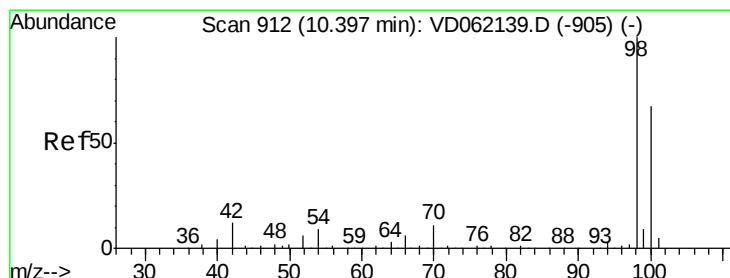
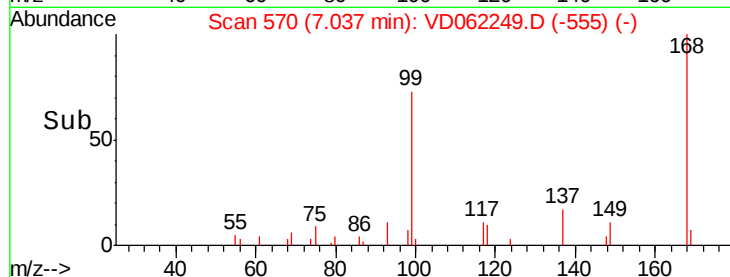
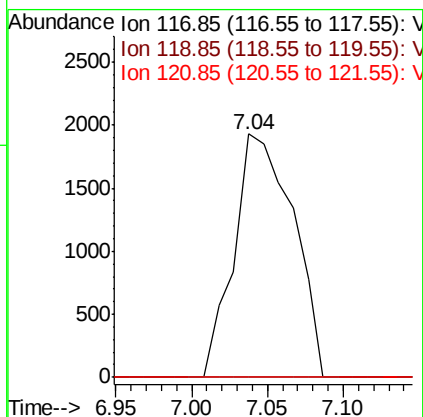
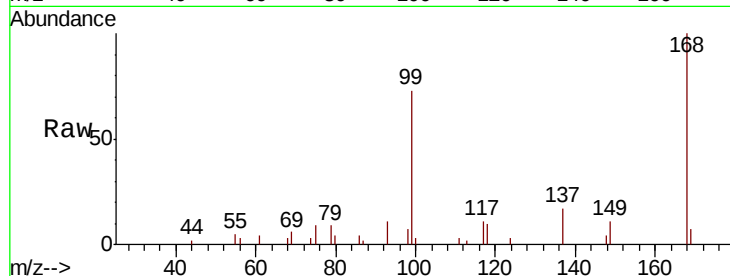




#38
Carbon Tetrachloride
Concen: 3.953 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.05 min
Lab File: VD062249.D
Acq: 11 May 2019 20:40

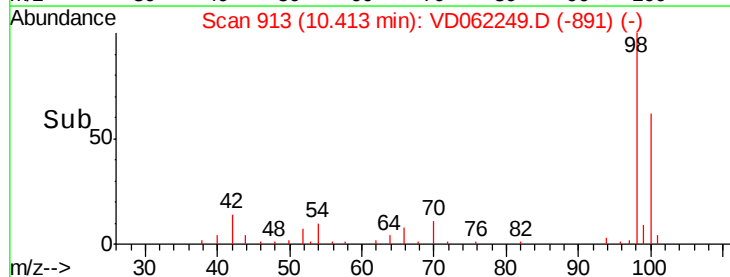
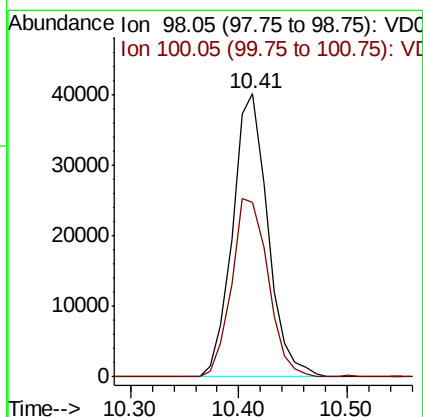
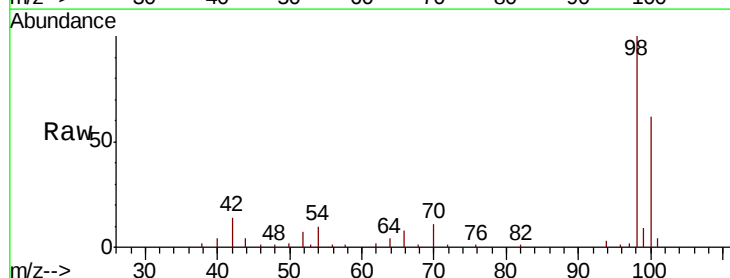
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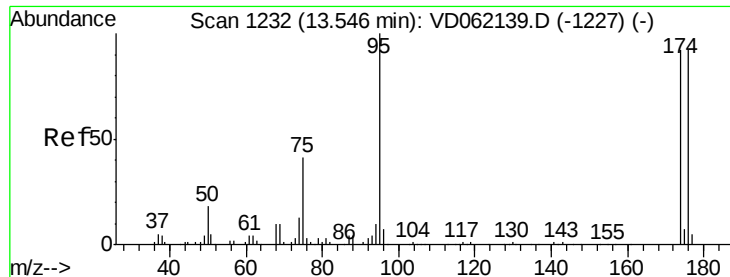
Tot Ion:117 Resp: 5225
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 39.009 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD062249.D
Acq: 11 May 2019 20:40

Tgt Ion: 98 Resp: 90891
Ion Ratio Lower Upper
98 100
100 61.7 53.8 80.8





#62

4-Bromofluorobenzene

Concen: 52.750 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

P026-SS008-1218-01

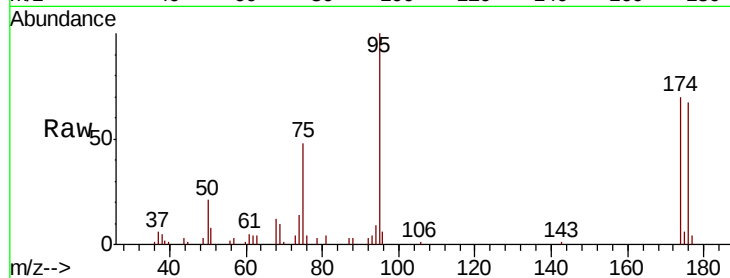
Tot Ion: 95 Resp: 49356

Ion Ratio Lower Upper

95 100

174 70.3 0.0 181.8

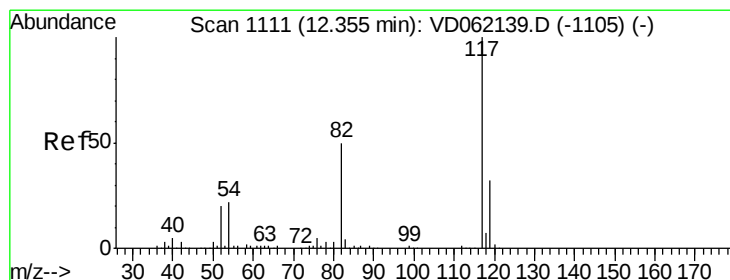
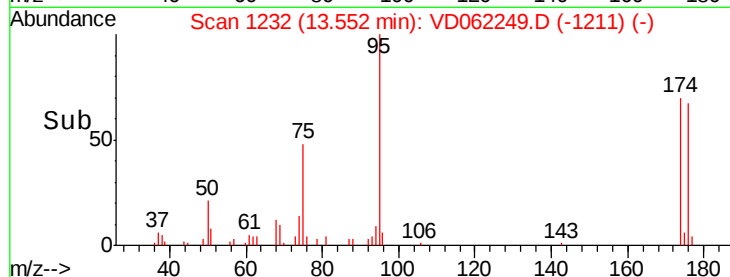
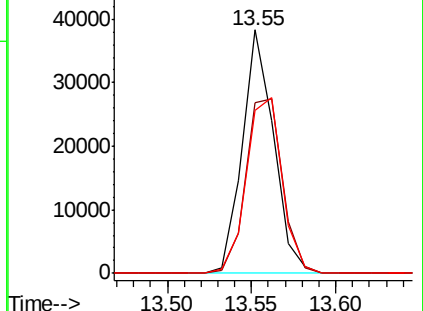
176 66.7 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.36 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

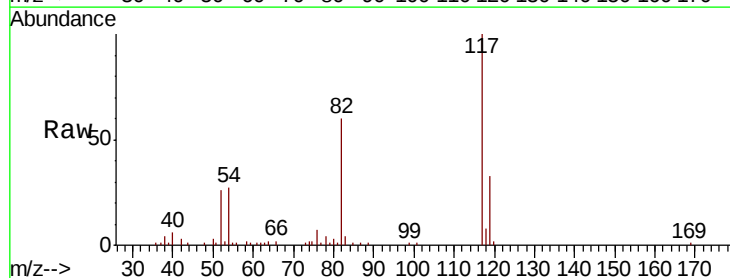
Tgt Ion: 117 Resp: 102801

Ion Ratio Lower Upper

117 100

82 59.7 36.2 54.2#

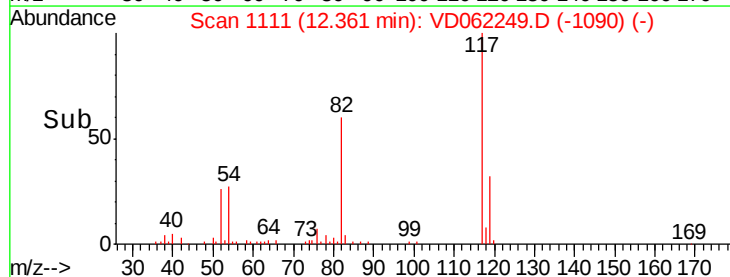
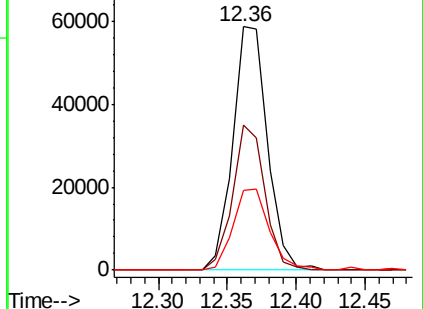
119 32.5 26.2 39.4

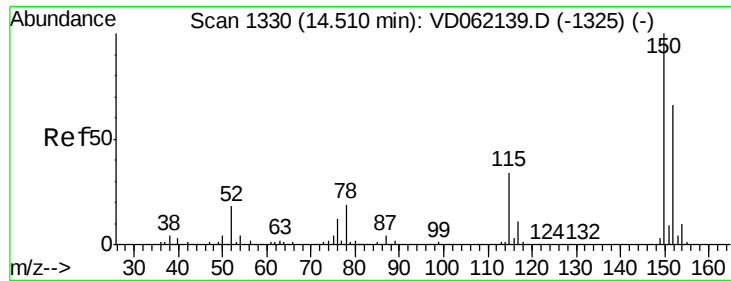


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.01 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

P026-SS008-1218-01

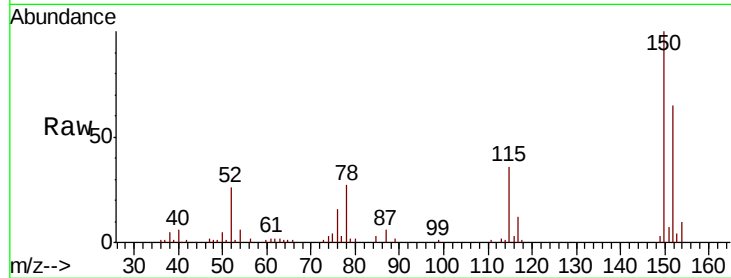
Tot Ion:152 Resp: 59255

Ion Ratio Lower Upper

152 100

115 54.7 30.9 92.7

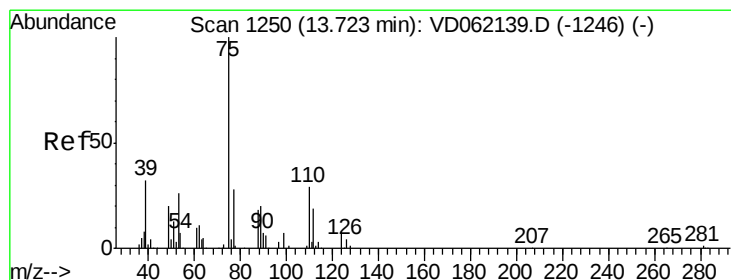
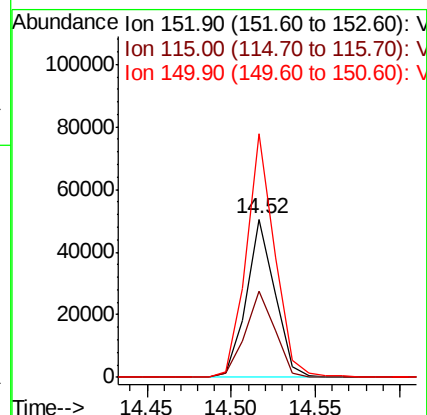
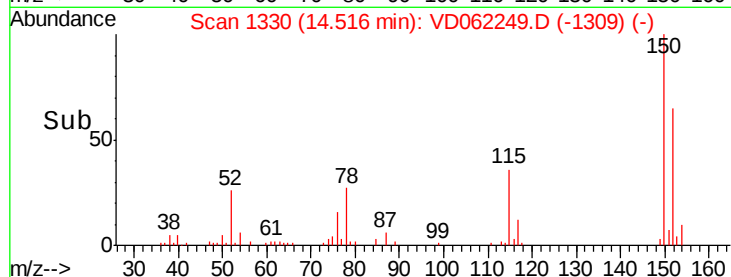
150 153.8 0.0 314.8



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: 24.997 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062249.D

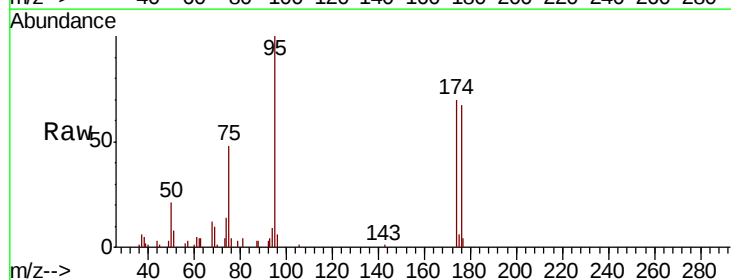
Acq: 11 May 2019 20:40

Tgt Ion: 75 Resp: 17603

Ion Ratio Lower Upper

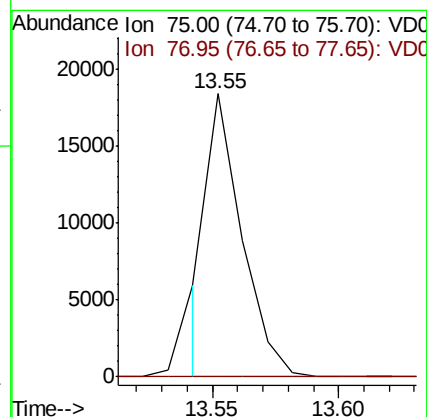
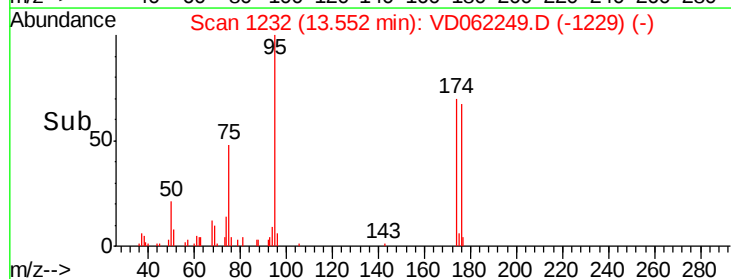
75 100

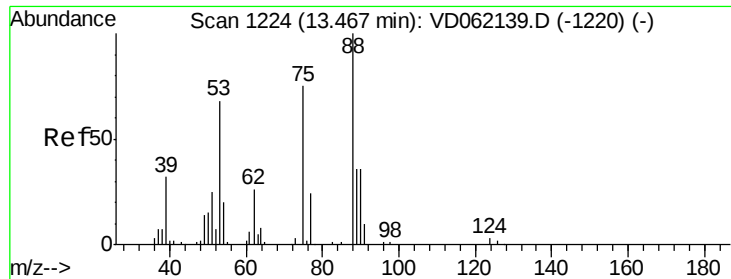
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 107.601 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD062249.D

Acq: 11 May 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

P026-SS008-1218-01

Tot Ion: 75 Resp: 21391

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

