

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062301.D
 Acq On : 13 May 2019 13:35
 Operator : FY/SY
 Sample : K2718-18
 Misc : 5.42g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS007-0612-01

Quant Time: May 14 05:09:27 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	672350	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	886504	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	648519	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	273247	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	247624	39.63	ug/l	0.04
Spiked Amount			Recovery	=	79.26%	
35) Dibromofluoromethane	6.94	113	286379	38.93	ug/l	0.05
Spiked Amount			Recovery	=	77.86%	
50) Toluene-d8	10.43	98	654907	36.93	ug/l	0.03
Spiked Amount			Recovery	=	73.86%	
62) 4-Bromofluorobenzene	13.56	95	245886	34.53	ug/l	0.01
Spiked Amount			Recovery	=	69.06%	

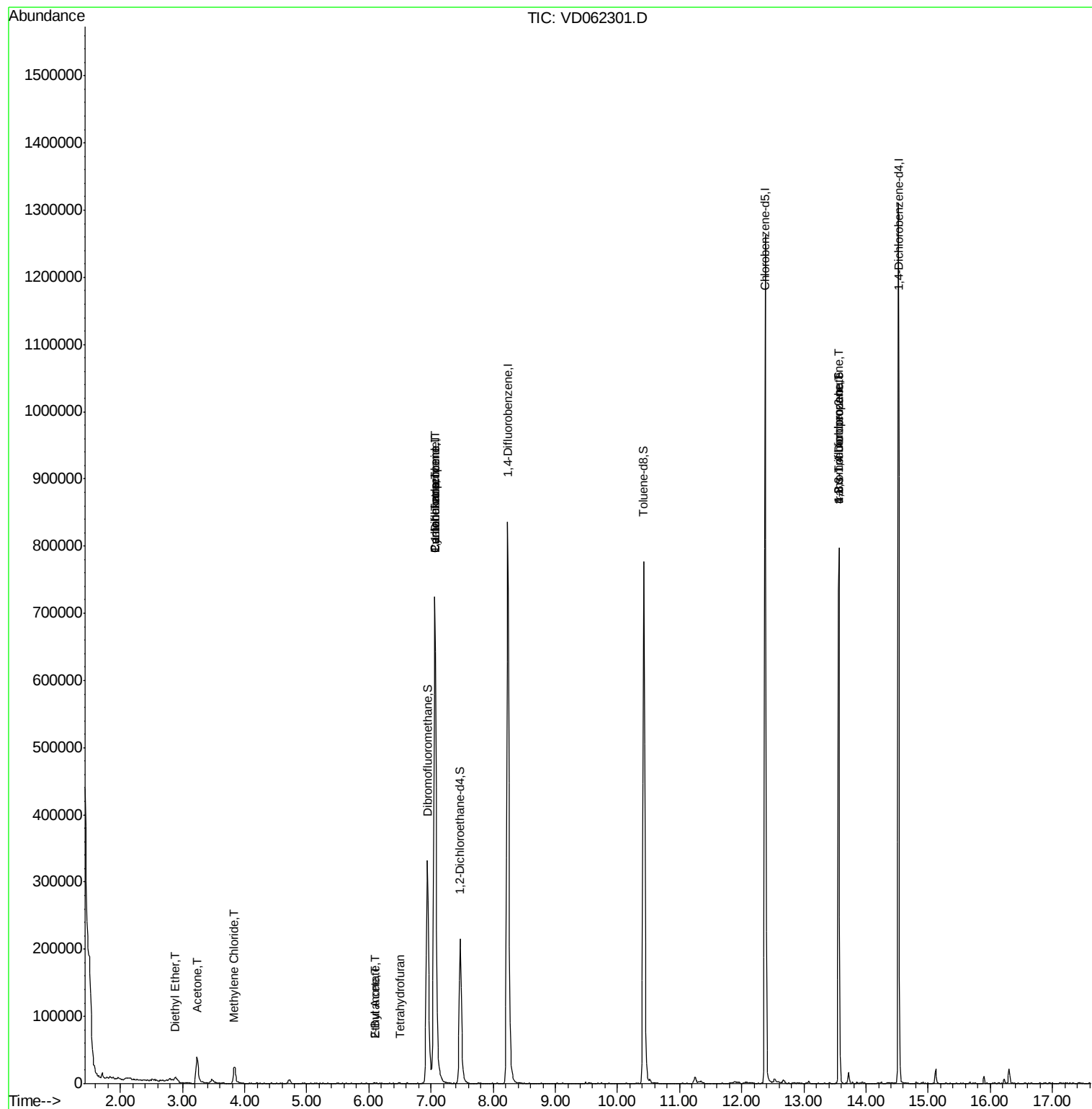
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.88	74	2138	1.249	ug/l	70
16) Acetone	3.23	43	82353	62.849	ug/l #	76
20) Methylene Chloride	3.83	84	18047	3.299	ug/l #	92
25) 2-Butanone	6.10	43	3122	2.184	ug/l #	56
29) Tetrahydrofuran	6.50	42	771	1.171	ug/l #	87
31) Cyclohexane	7.05	56	16993	2.592	ug/l #	10
36) 1,1-Dichloropropene	7.06	75	53056	7.299	ug/l #	50
37) Ethyl Acetate	6.10	43	3122	1.013	ug/l #	64
38) Carbon Tetrachloride	7.06	117	69387	6.897	ug/l #	17
76) 1,2,3-Trichloropropane	13.56	75	96252	29.640	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	107410	117.166	ug/l #	16

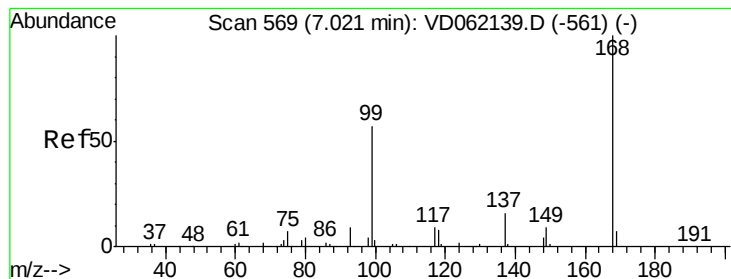
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051319\
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Quant Time: May 14 05:09:27 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# 573

Delta R.T. 0.04 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

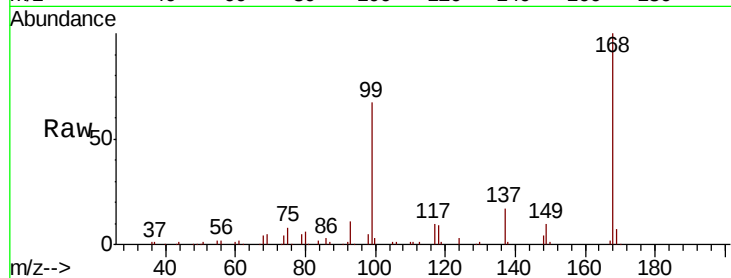
P026-SS007-0612-01

Tot Ion:168 Resp: 672350

Ion Ratio Lower Upper

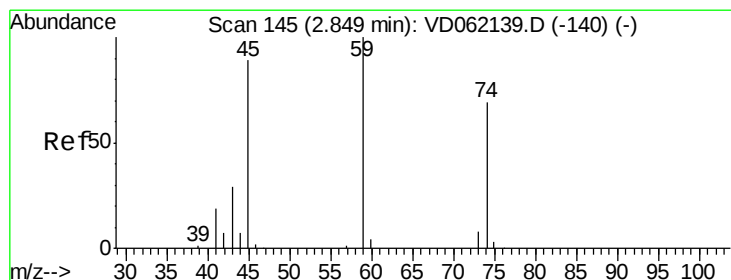
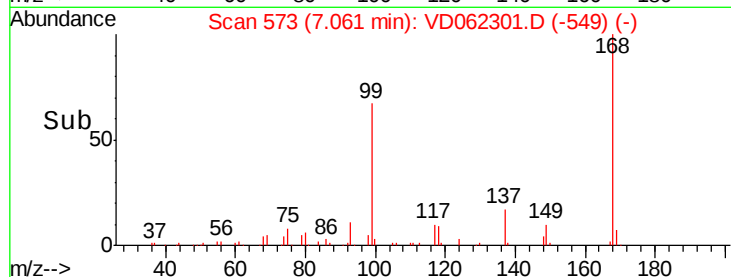
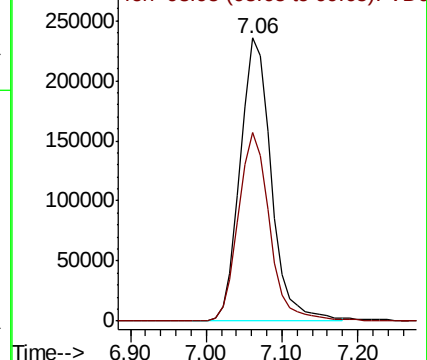
168 100

99 66.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.249 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.03 min

Lab File: VD062301.D

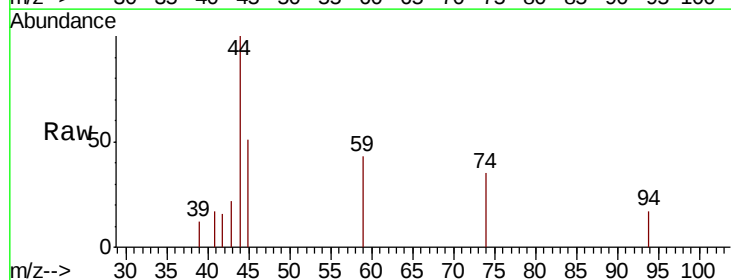
Acq: 13 May 2019 13:35

Tgt Ion: 74 Resp: 2138

Ion Ratio Lower Upper

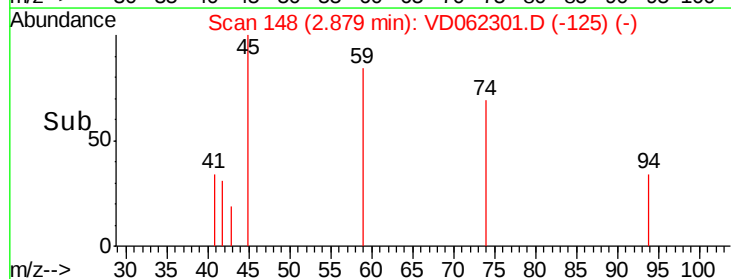
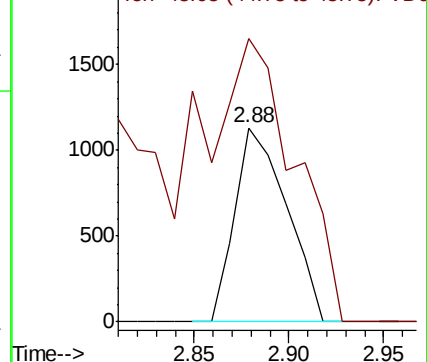
74 100

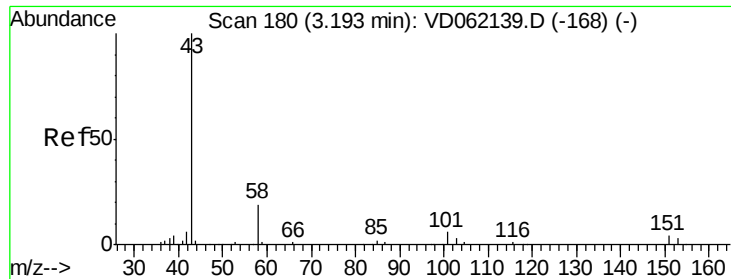
45 145.9 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 62.849 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

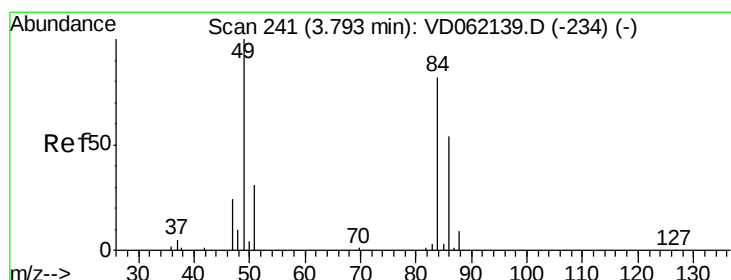
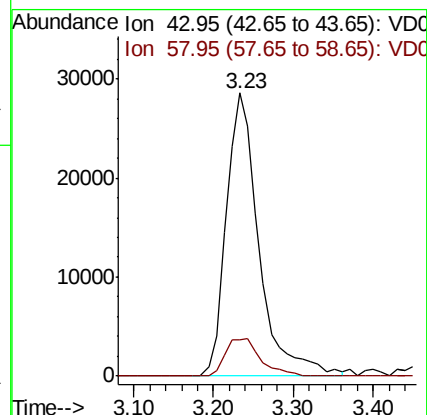
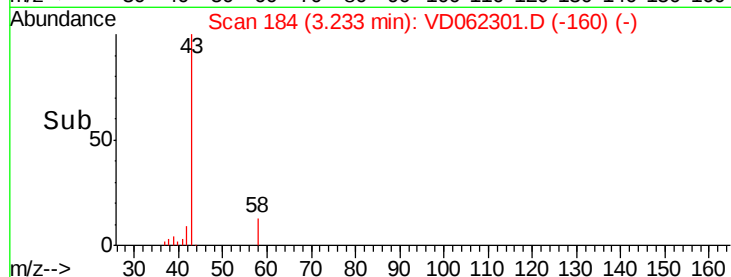
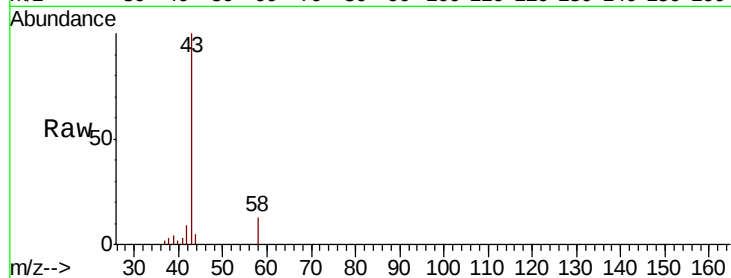
P026-SS007-0612-01

Tot Ion: 43 Resp: 82353

Ion Ratio Lower Upper

43 100

58 13.0 19.9 29.9#



#20

Methylene Chloride

Concen: 3.299 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

Tgt Ion: 84 Resp: 18047

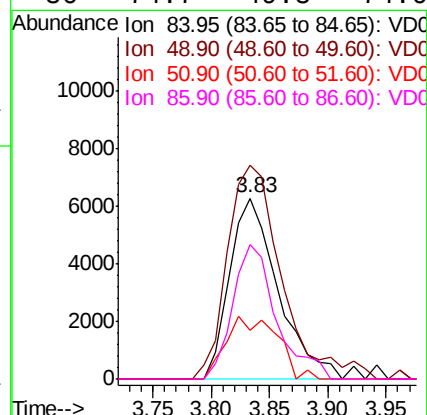
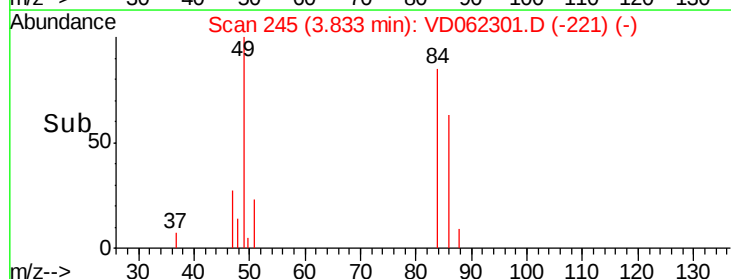
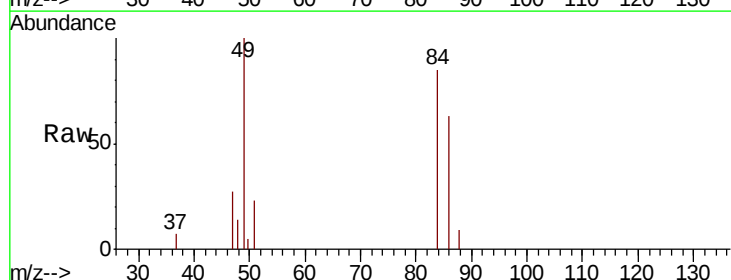
Ion Ratio Lower Upper

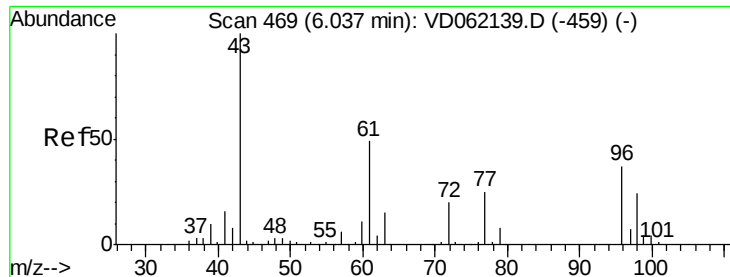
84 100

49 118.3 94.0 141.0

51 27.0 29.0 43.4#

86 74.7 49.8 74.6#





#25

2-Butanone

Concen: 2.184 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.06 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

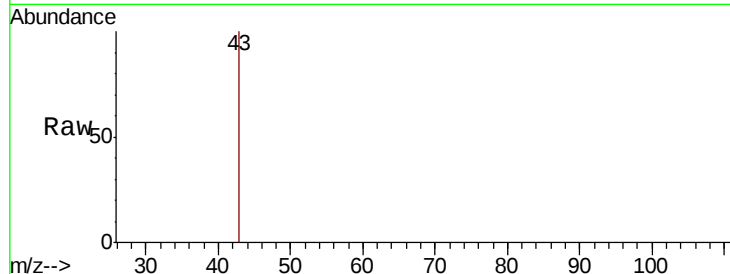
P026-SS007-0612-01

Tot Ion: 43 Resp: 3122

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.10

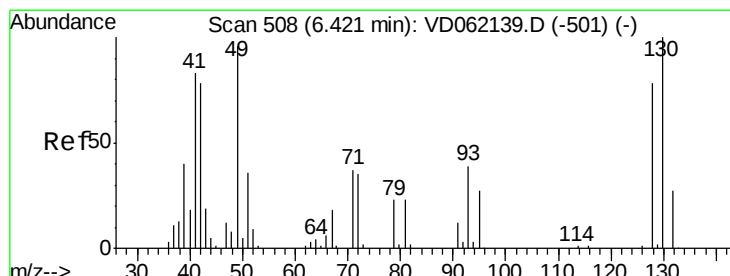
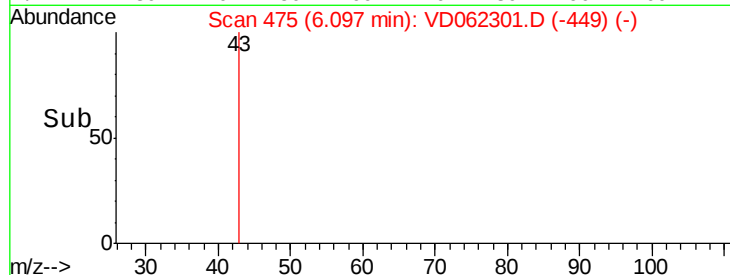
1000

500

0

Time-->

6.00 6.05 6.10 6.15



#29

Tetrahydrofuran

Concen: 1.171 ug/l

RT: 6.50 min Scan# 516

Delta R.T. 0.08 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

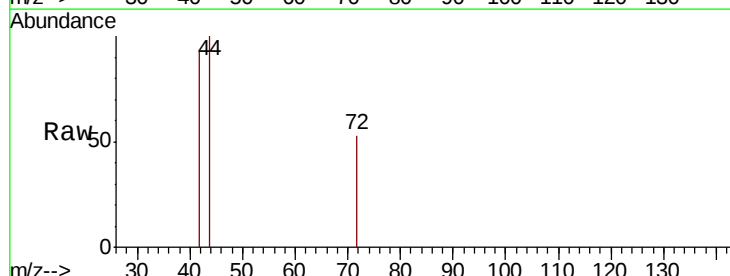
Tgt Ion: 42 Resp: 771

Ion Ratio Lower Upper

42 100

72 48.4 37.8 56.6

71 30.0 36.7 55.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

600

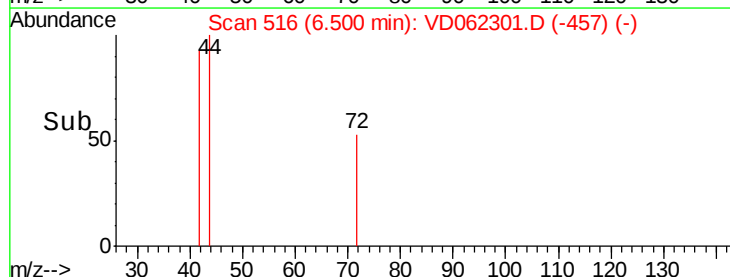
400

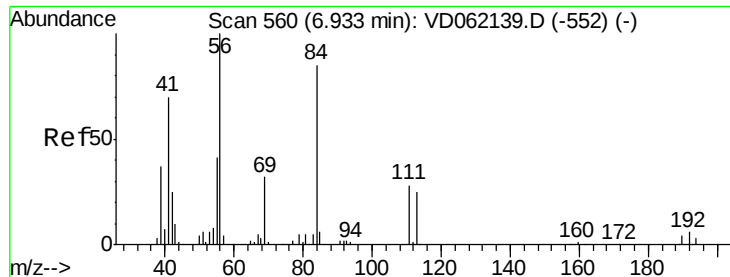
200

0

Time-->

6.45 6.50

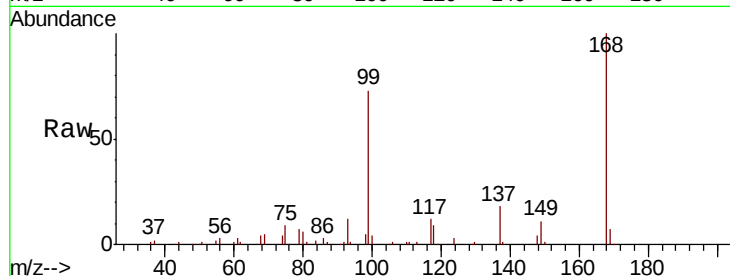




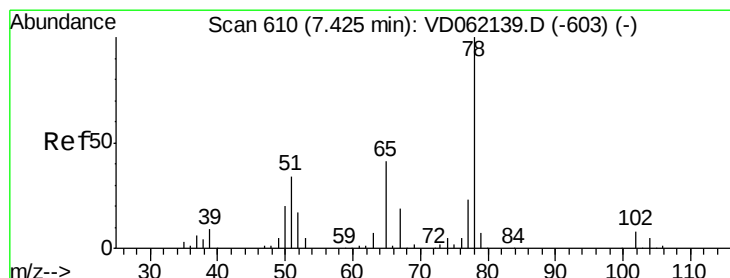
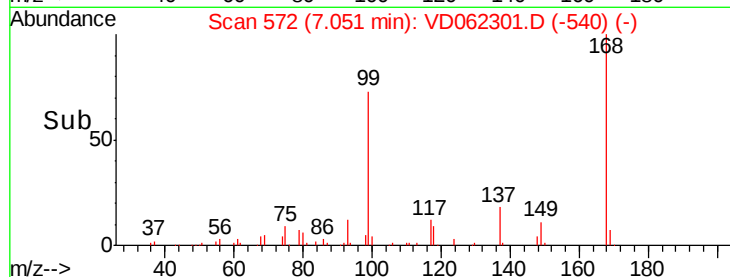
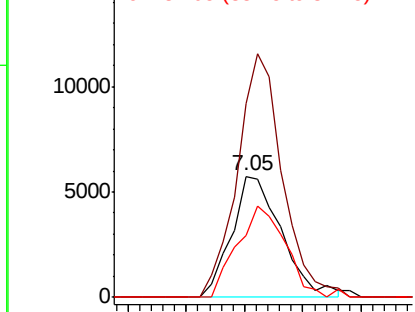
#31
Cyclohexane
Concen: 2.592 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062301.D
Acq: 13 May 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
P026-SS007-0612-01

Tot Ion: 56 Resp: 16993
Ion Ratio Lower Upper
56 100
69 160.3 25.8 38.6#
84 51.7 72.2 108.4#

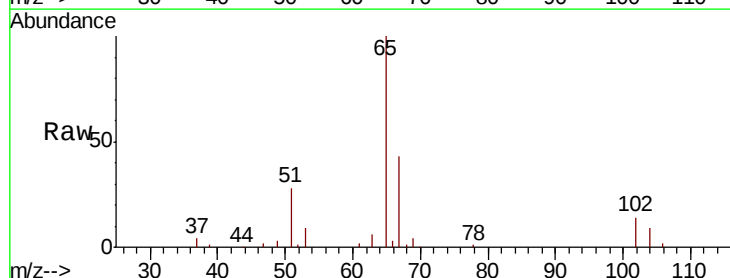


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

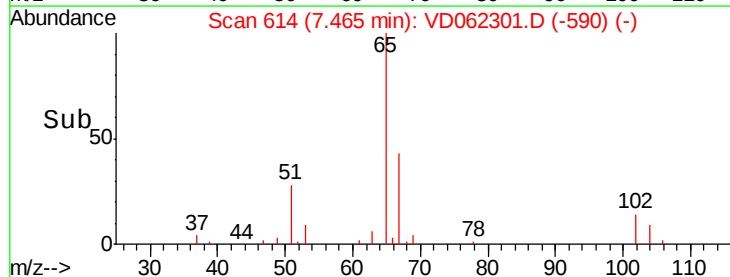
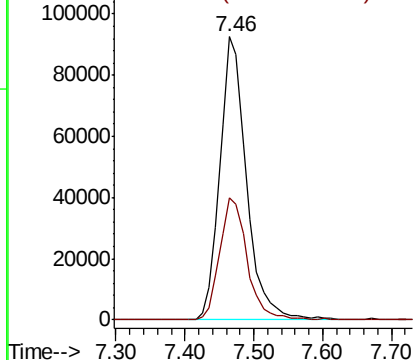


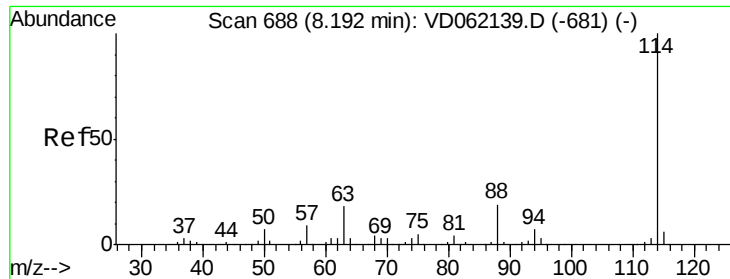
#33
1,2-Dichloroethane-d4
Concen: 39.631 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062301.D
Acq: 13 May 2019 13:35

Tgt Ion: 65 Resp: 247624
Ion Ratio Lower Upper
65 100
67 43.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

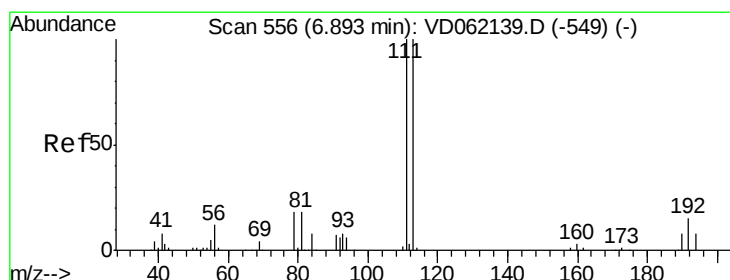
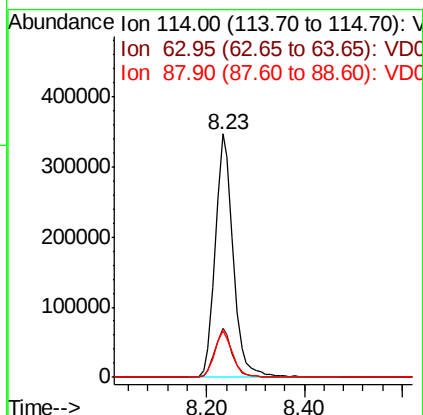
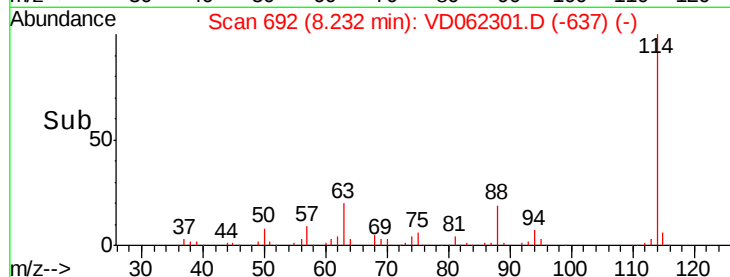
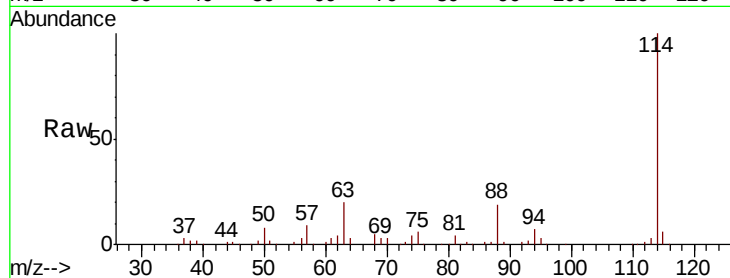




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062301.D
 Acq: 13 May 2019 13:35

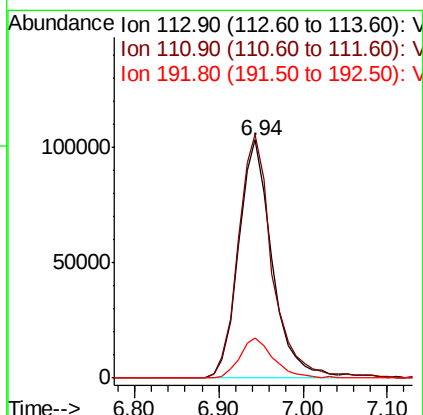
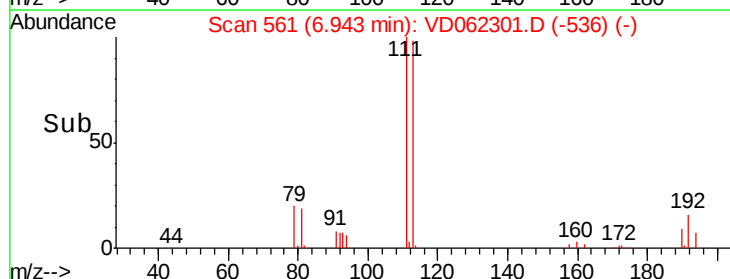
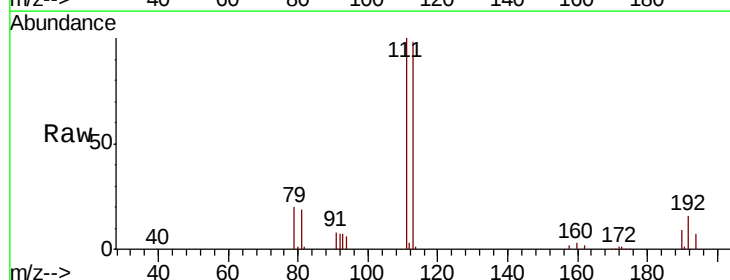
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS007-0612-01

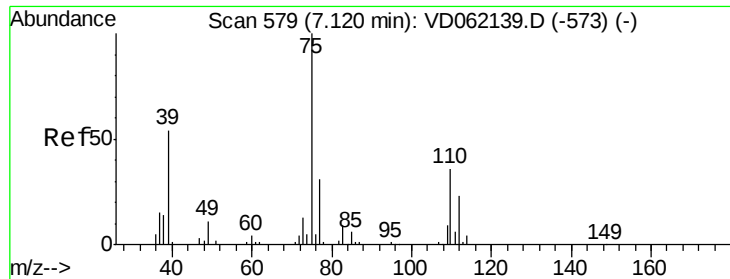
Tot Ion:114 Resp: 886504
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 32.4
 88 19.2 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 38.934 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062301.D
 Acq: 13 May 2019 13:35

Tgt Ion:113 Resp: 286379
 Ion Ratio Lower Upper
 113 100
 111 102.2 78.5 117.7
 192 16.8 13.0 19.4





#36

1,1-Dichloropropene

Concen: 7.299 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-0612-01

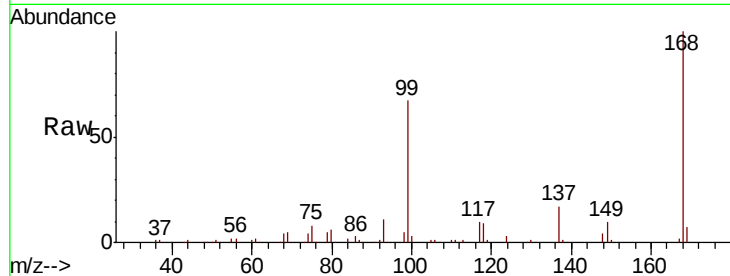
Tot Ion: 75 Resp: 53056

Ion Ratio Lower Upper

75 100

110 11.1 19.1 57.1#

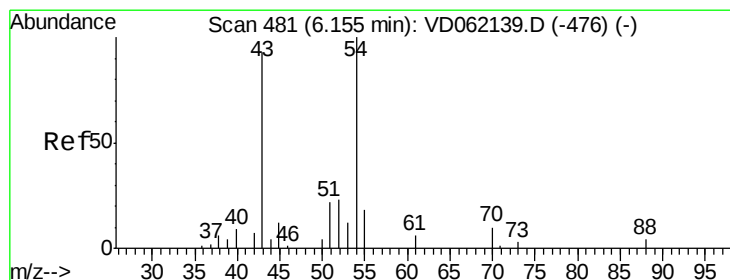
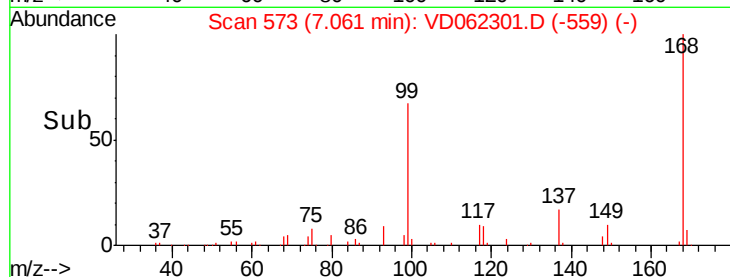
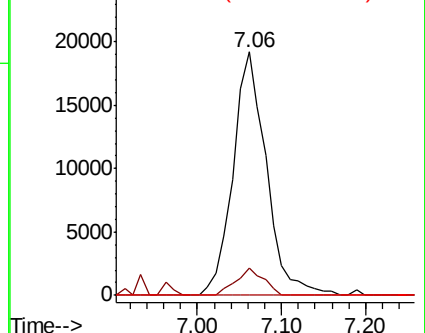
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.013 ug/l

RT: 6.10 min Scan# 475

Delta R.T. -0.06 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

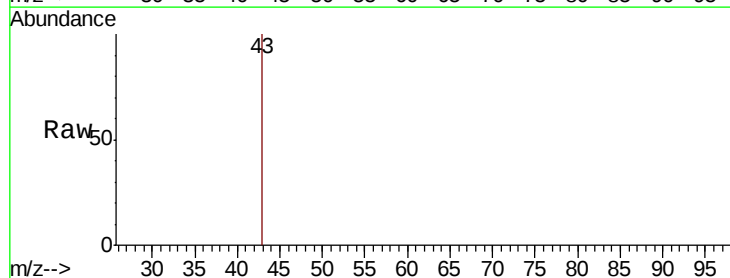
Tgt Ion: 43 Resp: 3122

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

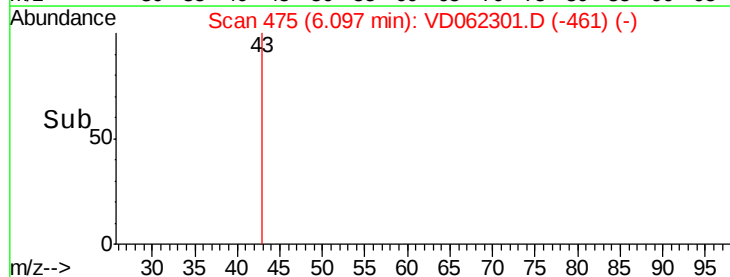
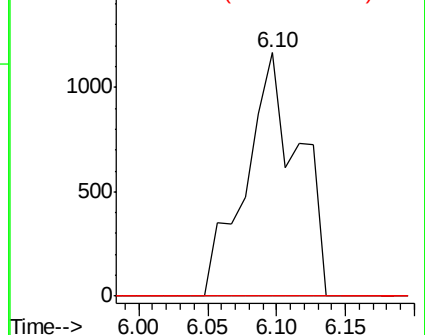
70 0.0 7.8 11.6#

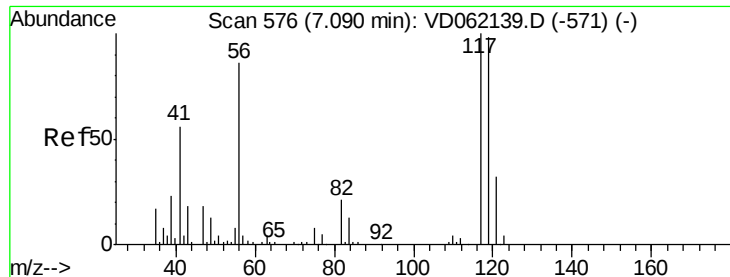


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.897 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-0612-01

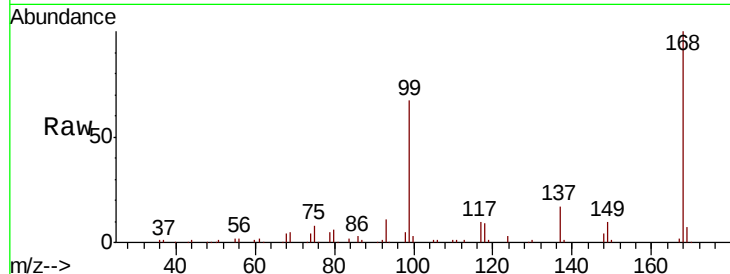
Tot Ion:117 Resp: 69387

Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.8#

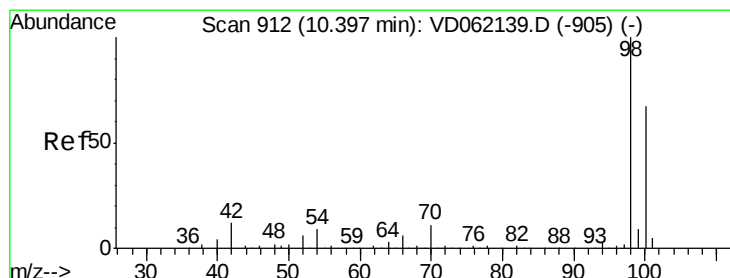
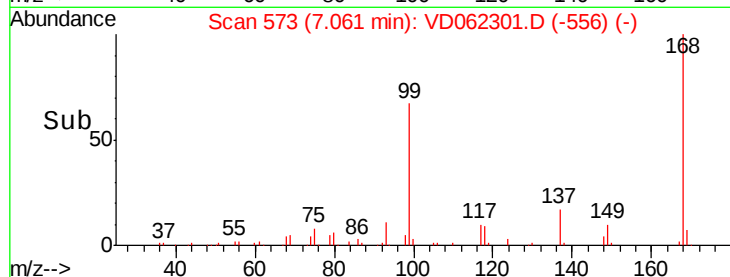
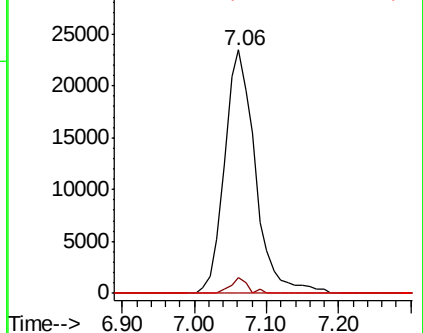
121 0.0 25.9 38.9#



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: 36.928 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062301.D

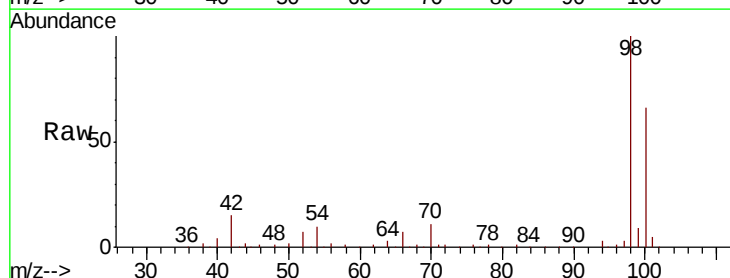
Acq: 13 May 2019 13:35

Tgt Ion: 98 Resp: 654907

Ion Ratio Lower Upper

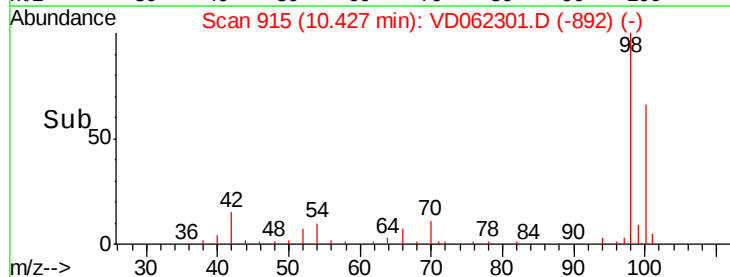
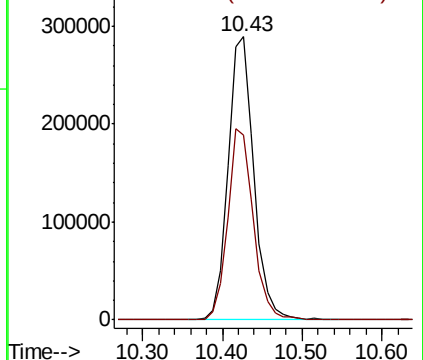
98 100

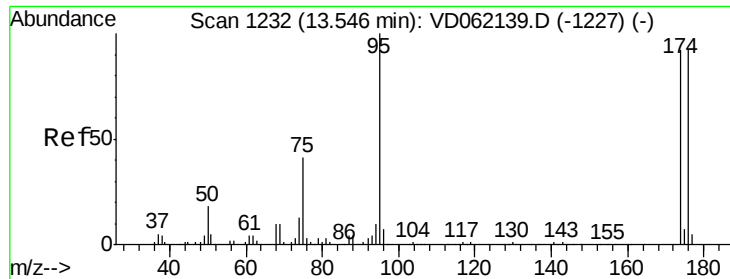
100 65.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 34.527 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-0612-01

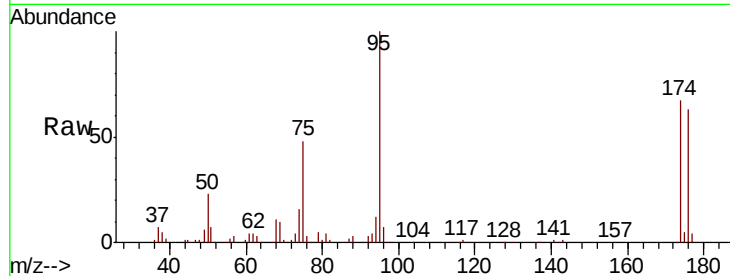
Tot Ion: 95 Resp: 245886

Ion Ratio Lower Upper

95 100

174 66.9 0.0 181.8

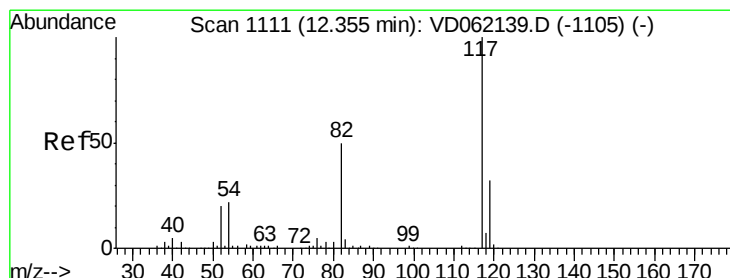
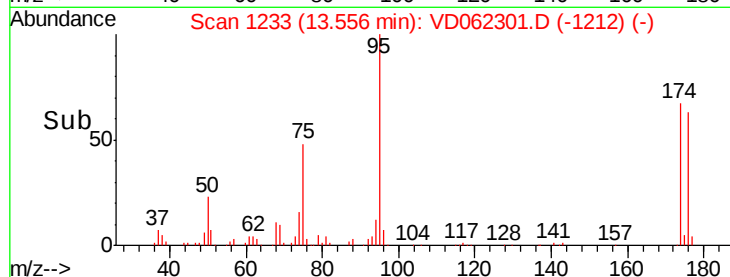
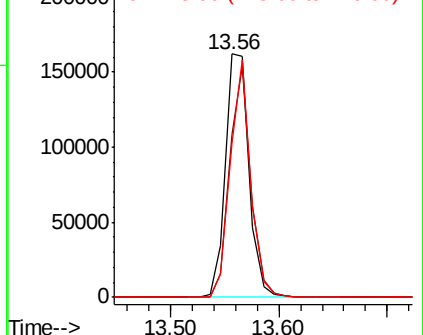
176 63.1 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

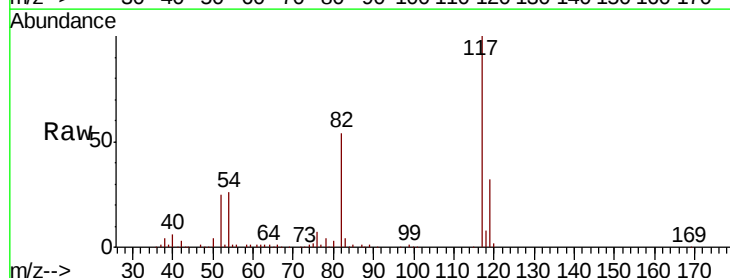
Tgt Ion: 117 Resp: 648519

Ion Ratio Lower Upper

117 100

82 54.3 36.2 54.2#

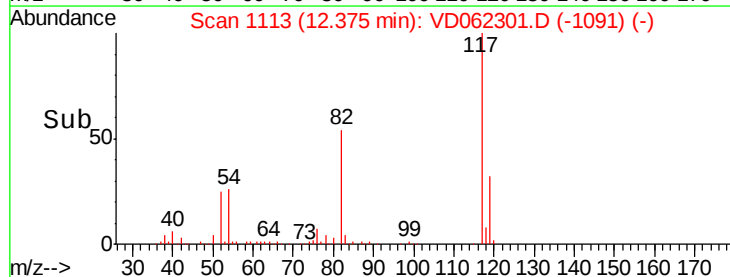
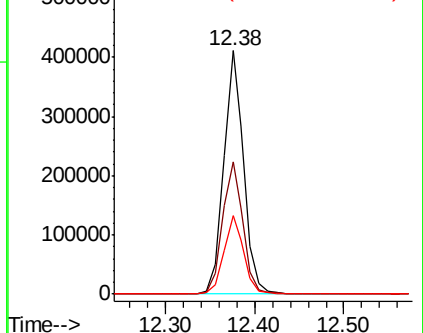
119 32.2 26.2 39.4

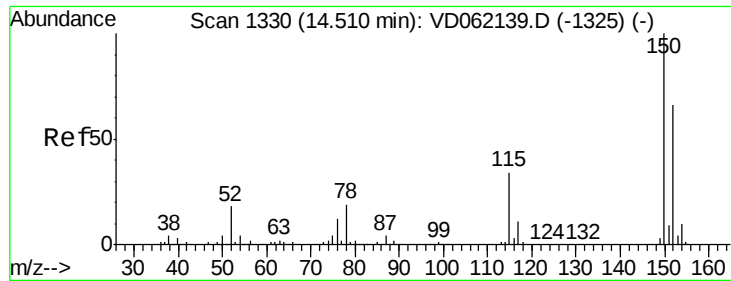


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062301.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-0612-01

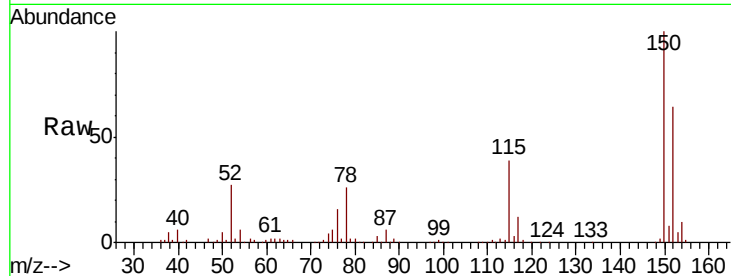
Tot Ion:152 Resp: 273247

Ion Ratio Lower Upper

152 100

115 61.5 30.9 92.7

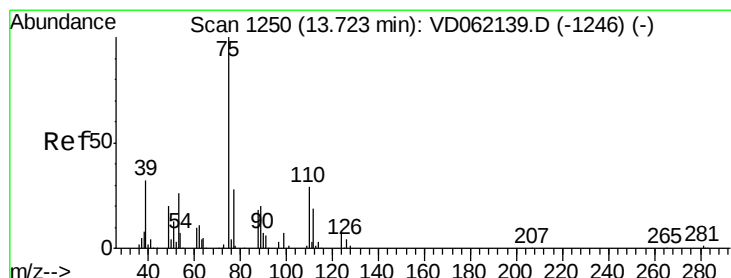
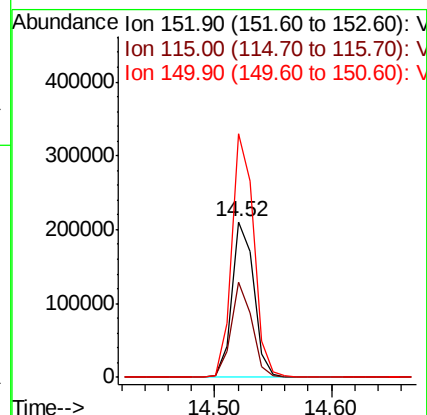
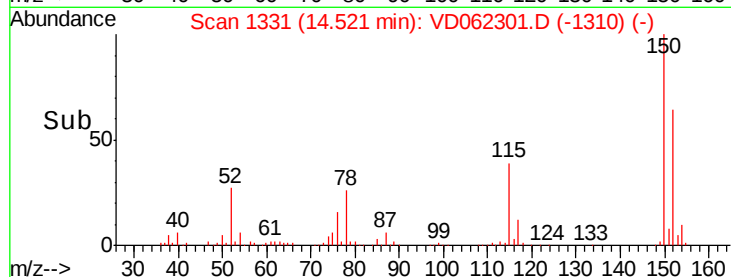
150 156.4 0.0 314.8



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: 29.640 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062301.D

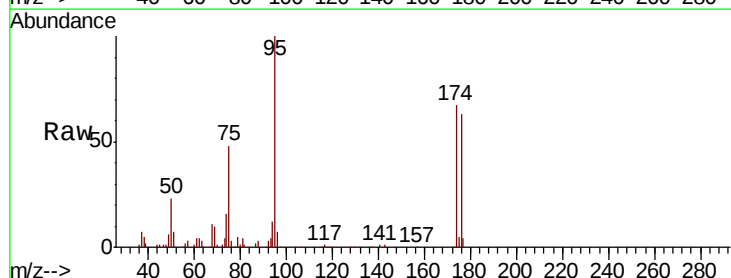
Acq: 13 May 2019 13:35

Tgt Ion: 75 Resp: 96252

Ion Ratio Lower Upper

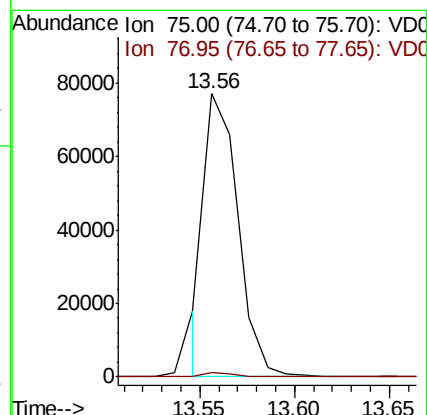
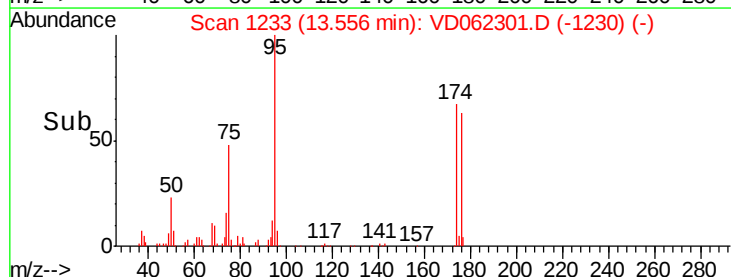
75 100

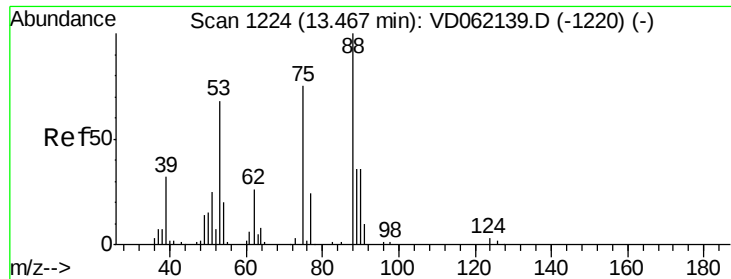
77 1.3 16.4 49.4#



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: 117.166 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062301.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-0612-01

Tot Ion: 75 Resp: 107410

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

