

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062448.D
 Acq On : 17 May 2019 19:38
 Operator : FY/SY
 Sample : K2905-10
 Misc : 6.17g/5mL/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 GIS-2-4-FT

Quant Time: May 18 00:06:07 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

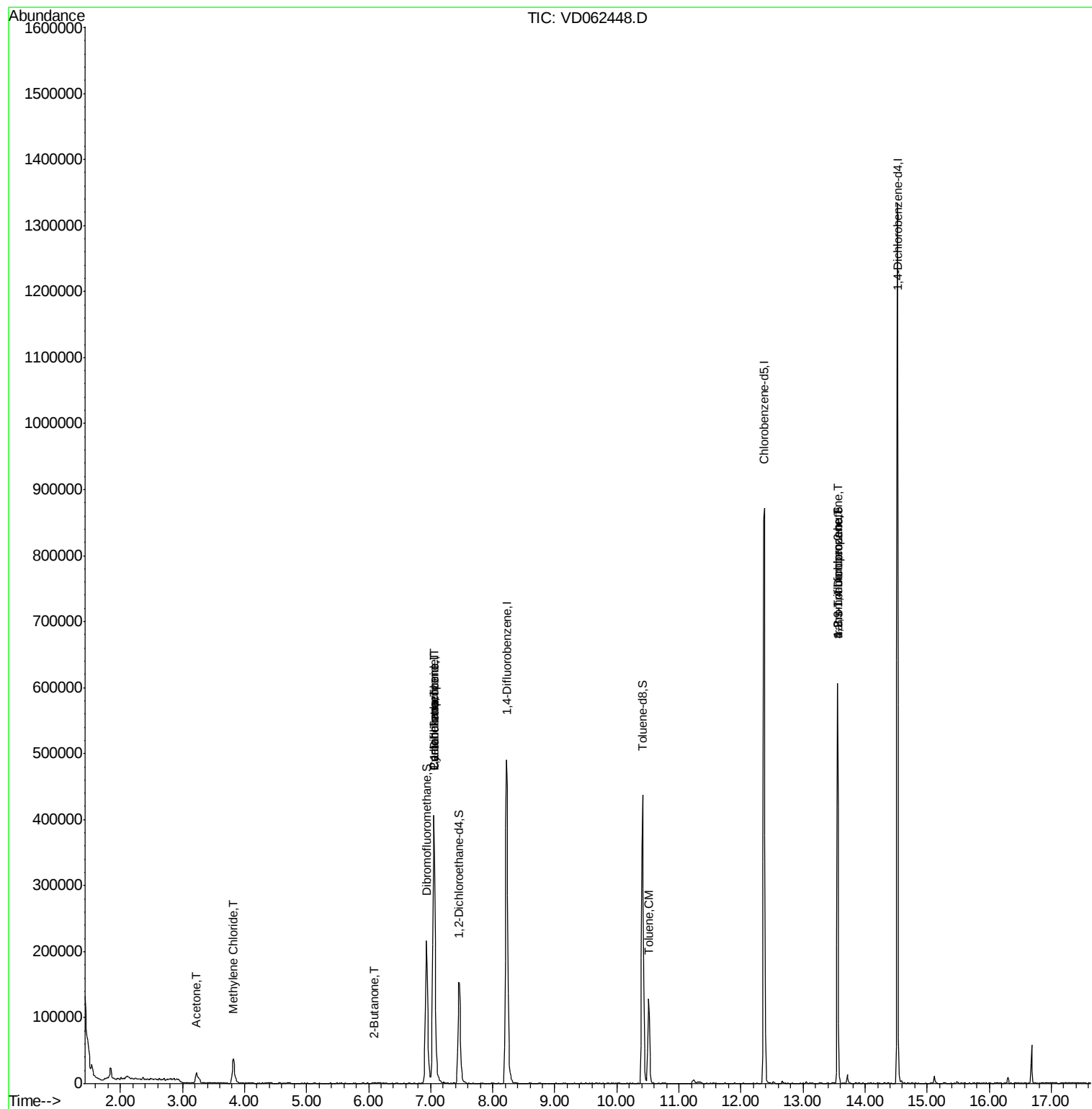
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	386879	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	551031	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	512163	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	275355	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	168707	46.92	ug/l	0.03
Spiked Amount 50.000			Recovery	=	93.84%	
35) Dibromofluoromethane	6.93	113	181936	39.79	ug/l	0.04
Spiked Amount 50.000			Recovery	=	79.58%	
50) Toluene-d8	10.42	98	346525	31.44	ug/l	0.02
Spiked Amount 50.000			Recovery	=	62.88%	
62) 4-Bromofluorobenzene	13.56	95	164295	37.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.24%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	30934	41.028	ug/l #	84
18) Methyl Acetate	3.64	43	300	Below Cal	#	53
20) Methylene Chloride	3.82	84	25153	7.990	ug/l	96
25) 2-Butanone	6.09	43	1653	2.010	ug/l #	56
31) Cyclohexane	7.05	56	7640	2.025	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	29404	6.508	ug/l #	47
38) Carbon Tetrachloride	7.05	117	39490	6.315	ug/l #	15
52) Toluene	10.51	92	64778	9.759	ug/l	94
76) 1,2,3-Trichloropropane	13.56	75	54523	16.662	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	70422	76.230	ug/l #	16

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

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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062448.D

Acq: 17 May 2019 19:38

Instrument :

MSVOA_D

ClientSampleId :

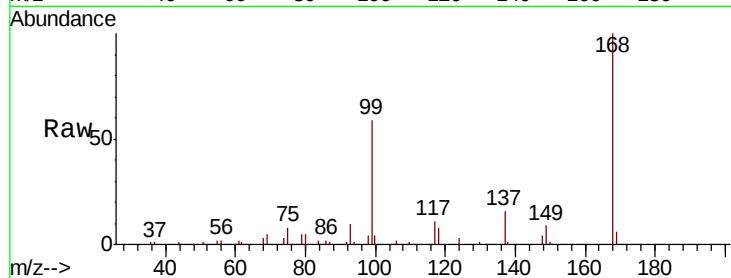
GIS-2-4-FT

Tot Ion:168 Resp: 386879

Ion Ratio Lower Upper

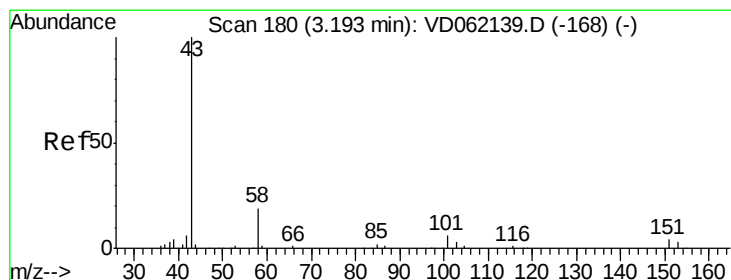
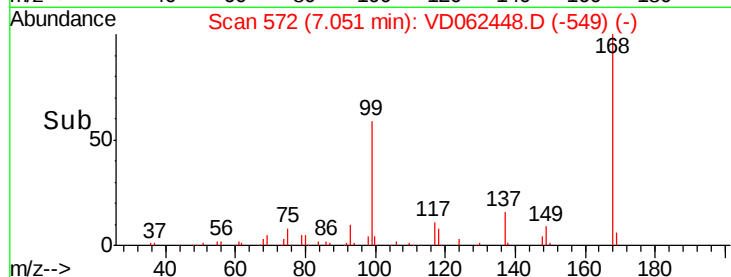
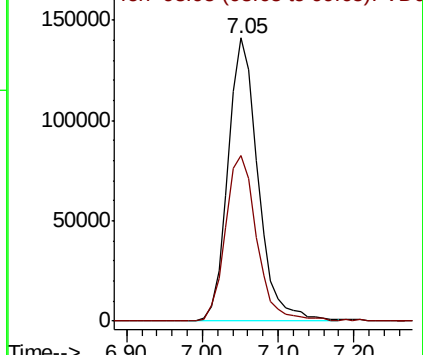
168 100

99 58.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 41.028 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062448.D

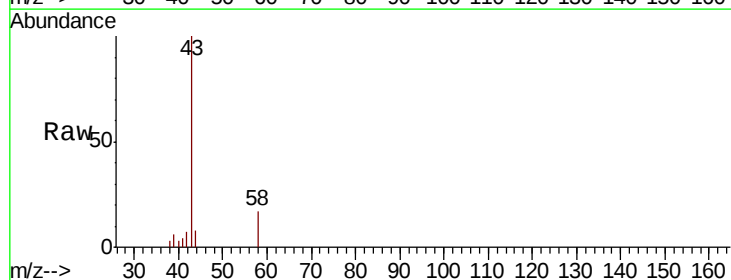
Acq: 17 May 2019 19:38

Tgt Ion: 43 Resp: 30934

Ion Ratio Lower Upper

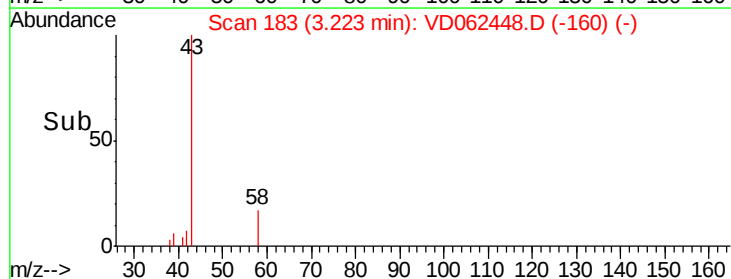
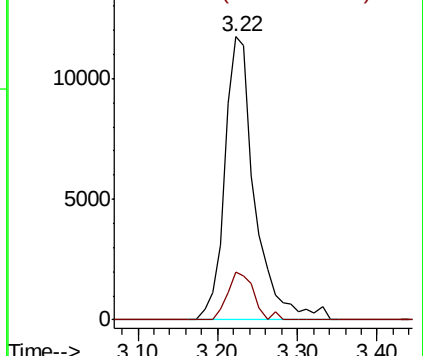
43 100

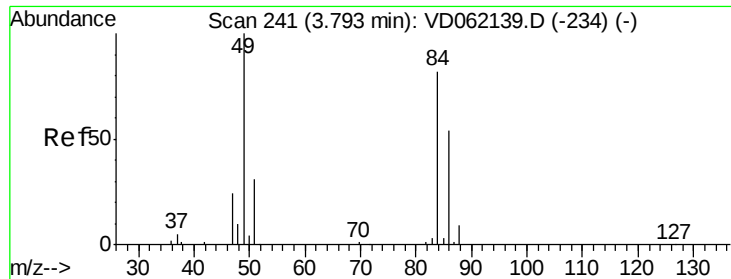
58 17.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

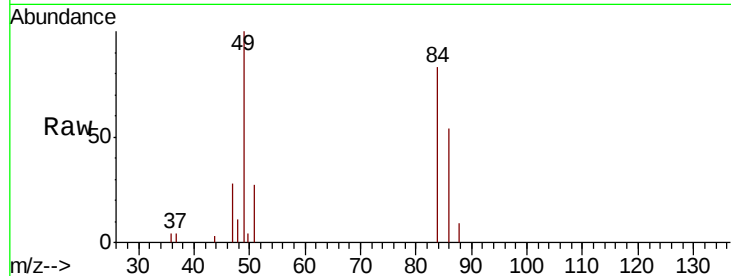




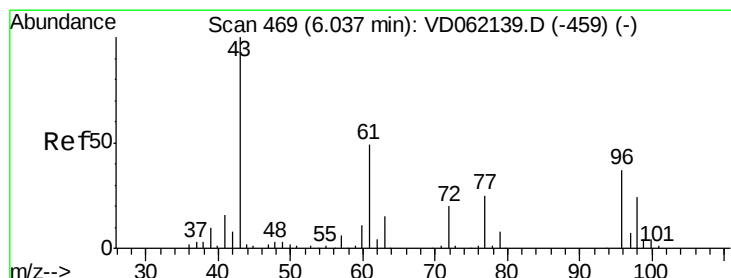
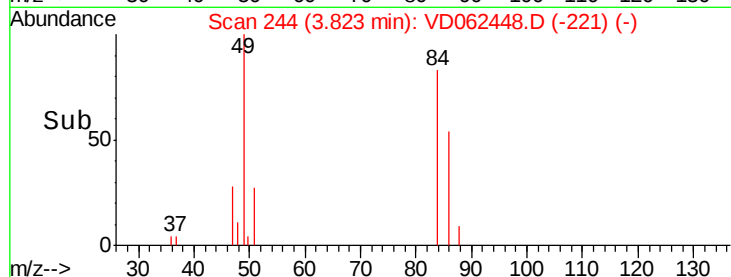
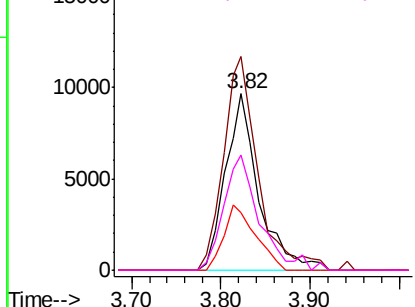
#20
Methylene Chloride
Concen: 7.990 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062448.D
Acq: 17 May 2019 19:38

Instrument :
MSVOA_D
ClientSampleId :
GIS-2-4-FT

Tot Ion:	84	Resp:	25153
Ion	Ratio	Lower	Upper
84	100		
49	121.0	94.0	141.0
51	32.5	29.0	43.4
86	65.1	49.8	74.6

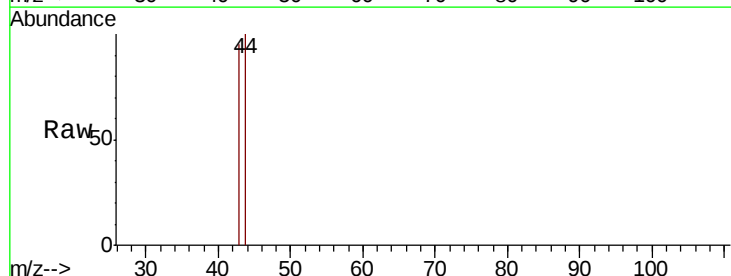


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

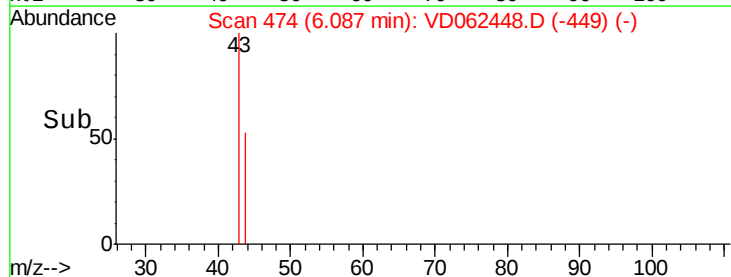
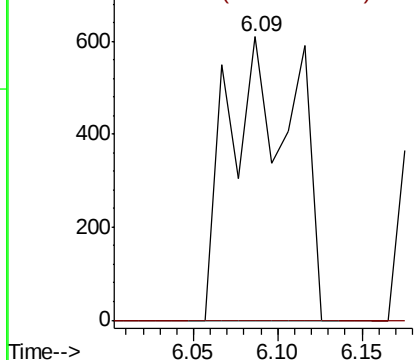


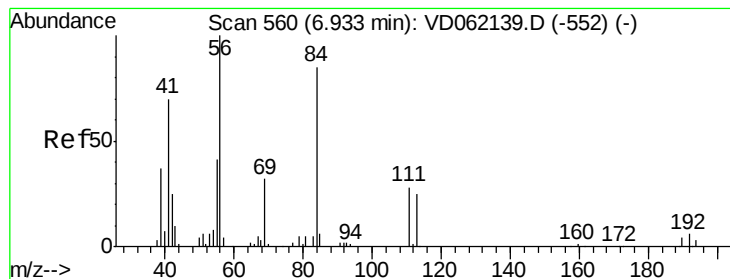
#25
2-Butanone
Concen: 2.010 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.05 min
Lab File: VD062448.D
Acq: 17 May 2019 19:38

Tgt Ion:	43	Resp:	1653
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





#31

Cyclohexane

Concen: 2.025 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062448.D

Acq: 17 May 2019 19:38

Instrument :

MSVOA_D

ClientSampleID :

GIS-2-4-FT

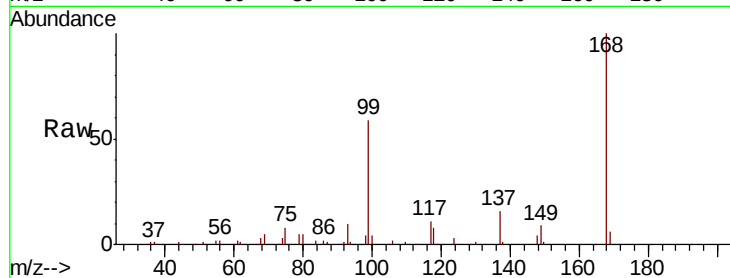
Tot Ion: 56 Resp: 7640

Ion Ratio Lower Upper

56 100

69 252.5 25.8 38.6#

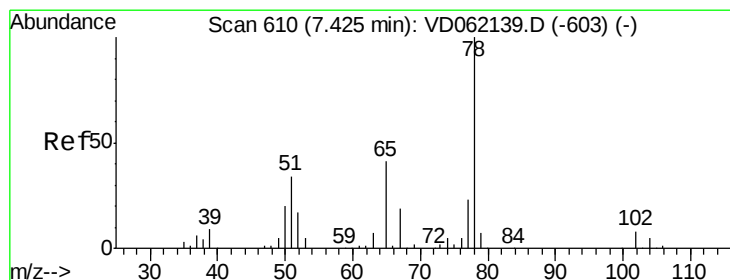
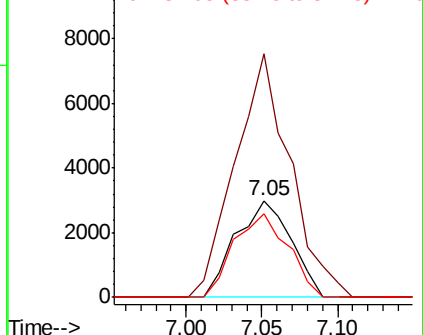
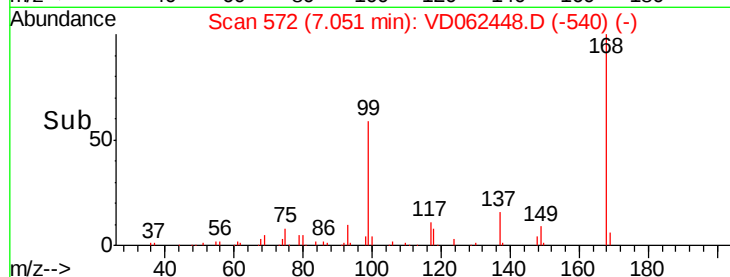
84 87.0 72.2 108.4



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: 46.924 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062448.D

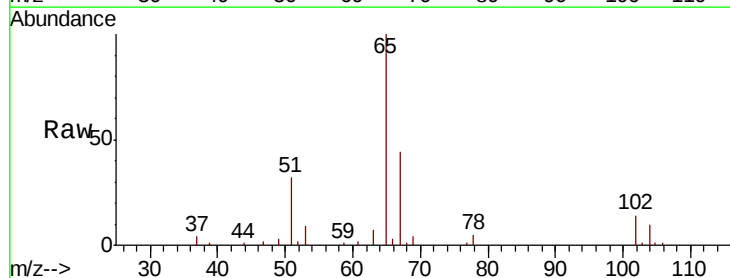
Acq: 17 May 2019 19:38

Tgt Ion: 65 Resp: 168707

Ion Ratio Lower Upper

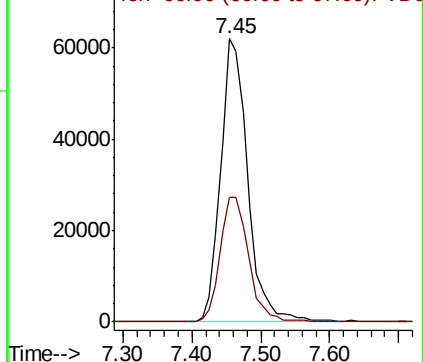
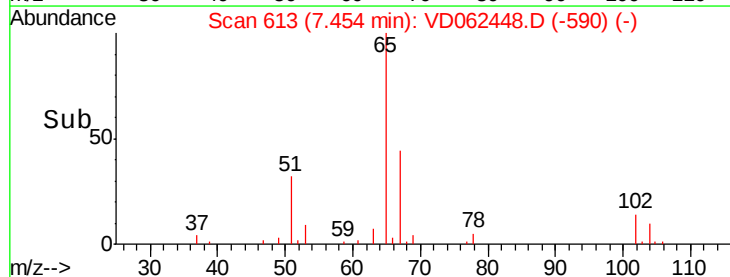
65 100

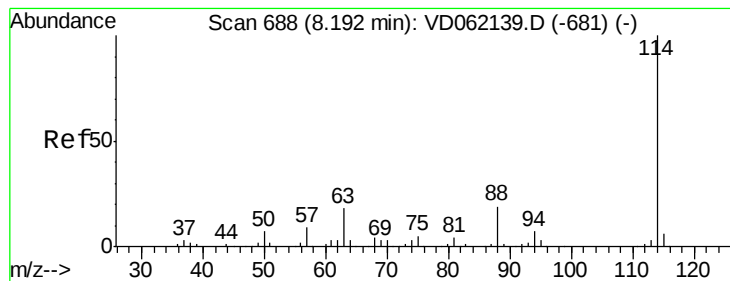
67 44.0 0.0 98.0



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# 691

Delta R.T. 0.03 min

Lab File: VD062448.D

Acq: 17 May 2019 19:38

Instrument :

MSVOA_D

ClientSampled :

GIS-2-4-FT

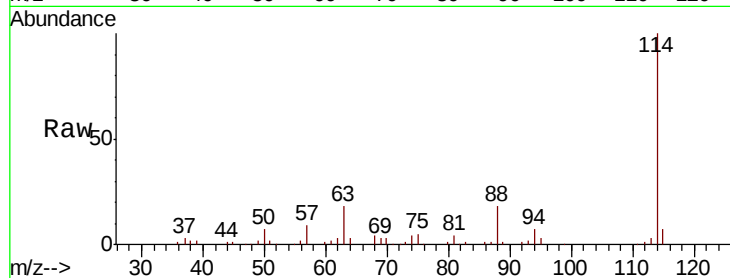
Tot Ion:114 Resp: 551031

Ion Ratio Lower Upper

114 100

63 17.8 0.0 32.4

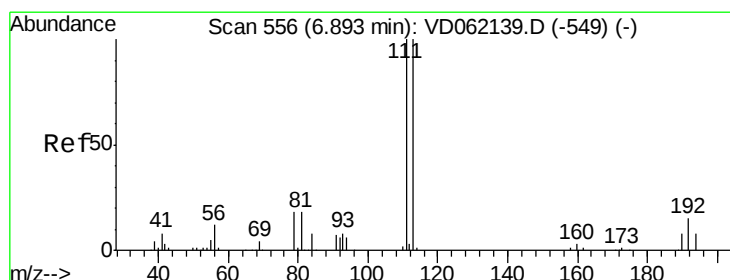
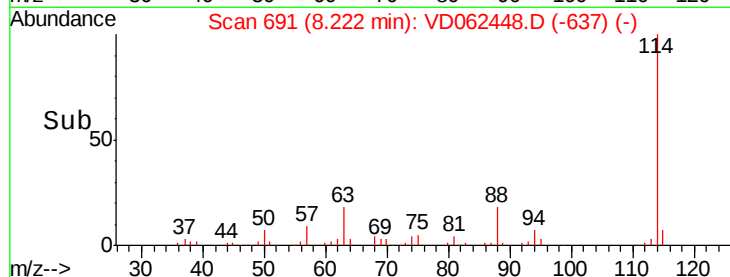
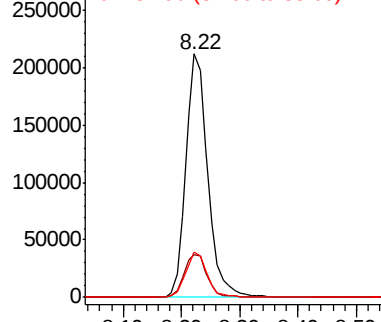
88 18.5 0.0 33.6



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: 39.794 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062448.D

Acq: 17 May 2019 19:38

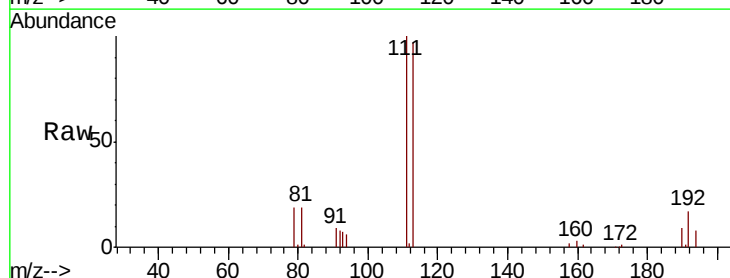
Tgt Ion:113 Resp: 181936

Ion Ratio Lower Upper

113 100

111 102.9 78.5 117.7

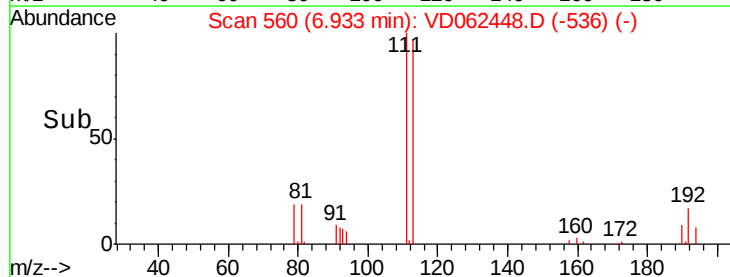
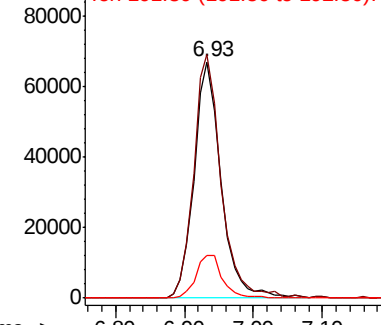
192 17.9 13.0 19.4

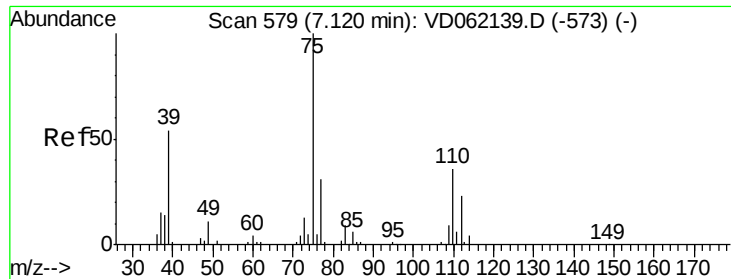


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.508 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062448.D

Acq: 17 May 2019 19:38

Instrument :

MSVOA_D

ClientSampleId :

GIS-2-4-FT

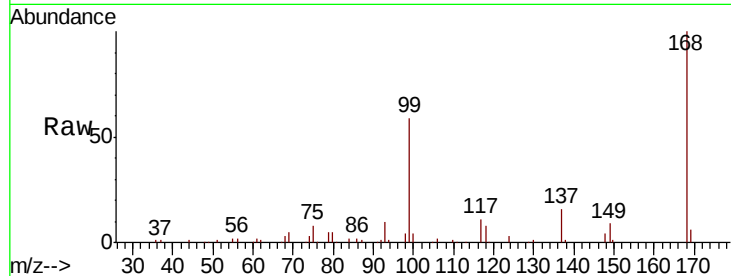
Tot Ion: 75 Resp: 29404

Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.1#

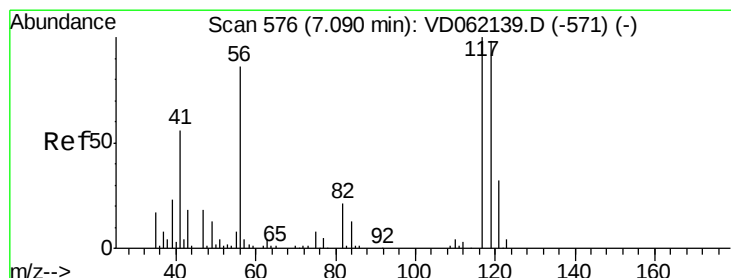
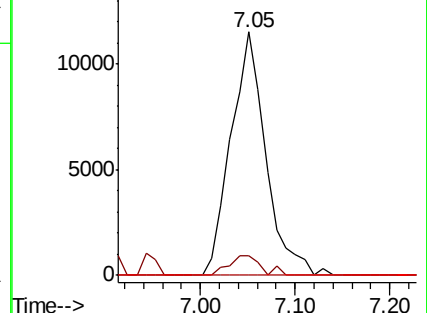
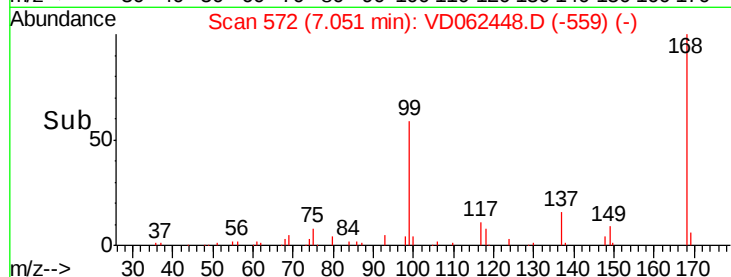
77 0.0 25.6 38.4#



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: 6.315 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD062448.D

Acq: 17 May 2019 19:38

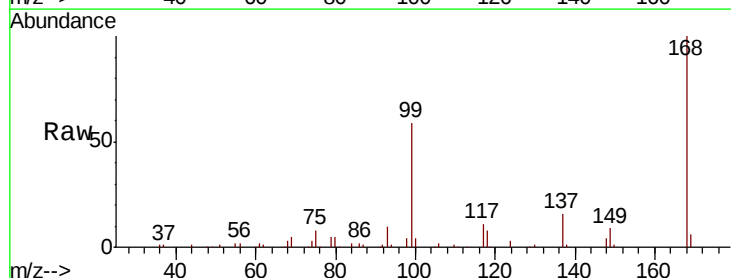
Tgt Ion: 117 Resp: 39490

Ion Ratio Lower Upper

117 100

119 3.0 75.8 113.8#

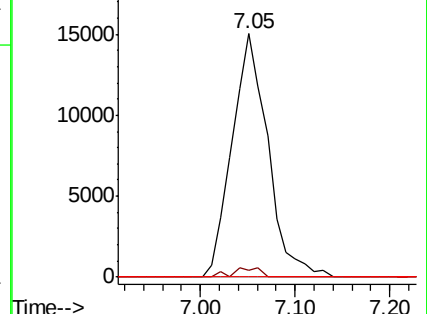
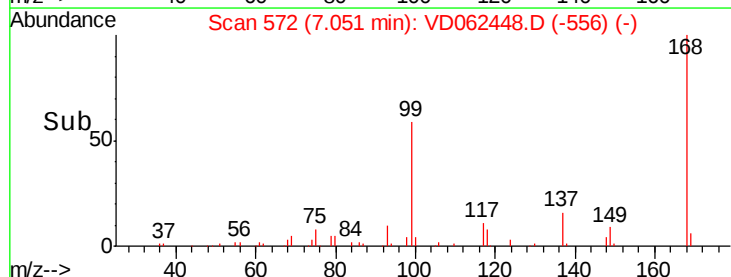
121 0.0 25.9 38.9#

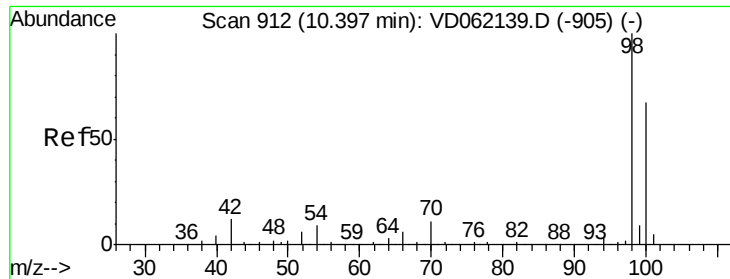


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

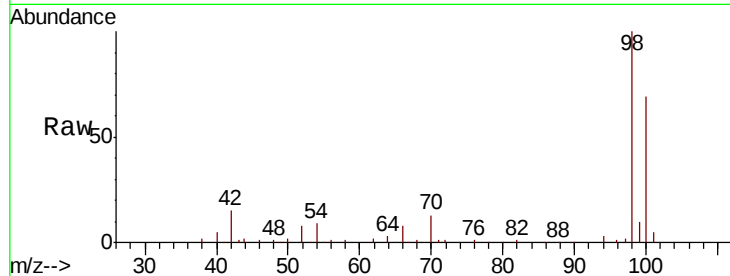




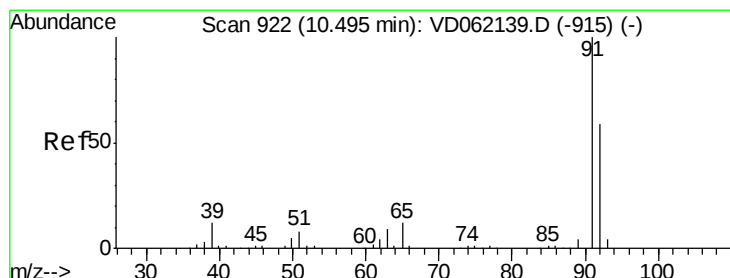
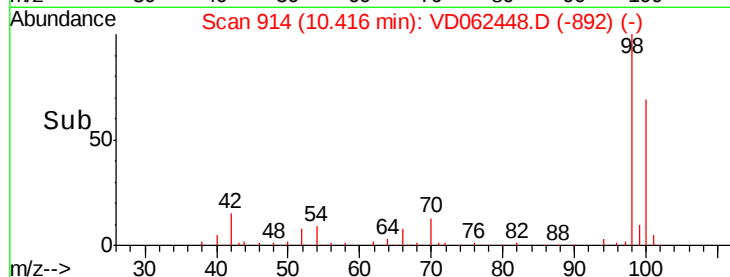
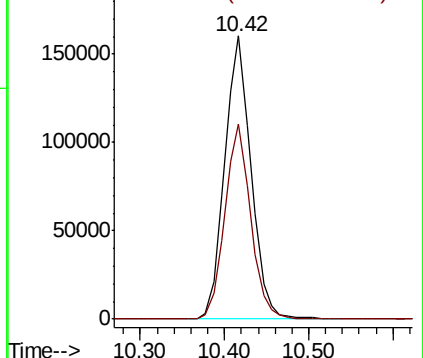
#50
Toluene-d8
Concen: 31.436 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062448.D
Acq: 17 May 2019 19:38

Instrument :
MSVOA_D
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GIS-2-4-FT

Tot Ion: 98 Resp: 346525
Ion Ratio Lower Upper
98 100
100 69.1 53.8 80.8

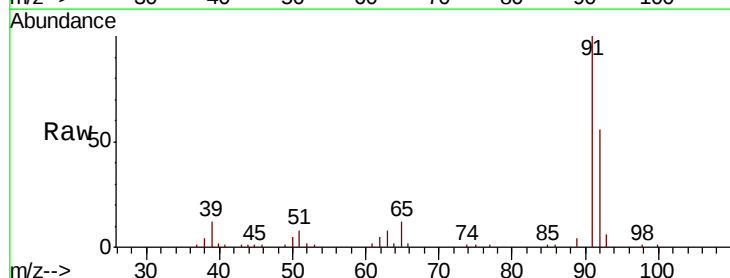


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

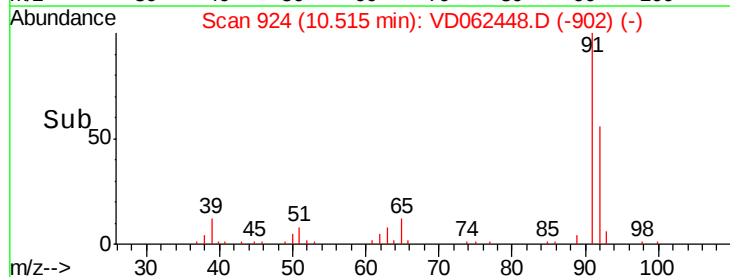
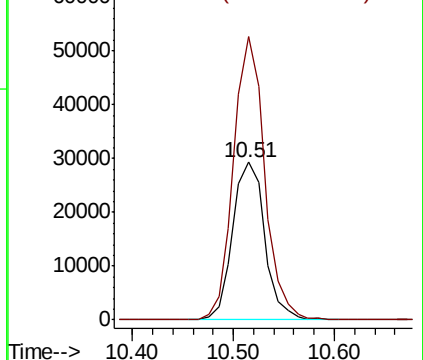


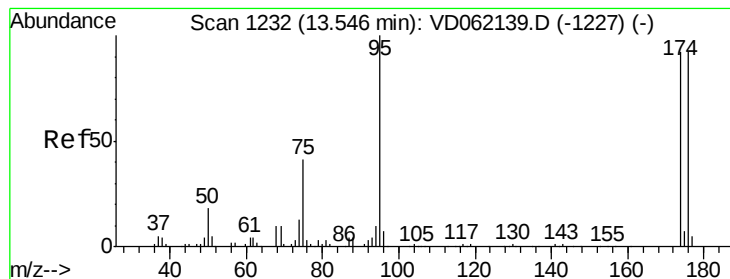
#52
Toluene
Concen: 9.759 ug/l
RT: 10.51 min Scan# 924
Delta R.T. 0.02 min
Lab File: VD062448.D
Acq: 17 May 2019 19:38

Tgt Ion: 92 Resp: 64778
Ion Ratio Lower Upper
92 100
91 179.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 37.116 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062448.D

Acq: 17 May 2019 19:38

Instrument :

MSVOA_D

ClientSampleId :

GIS-2-4-FT

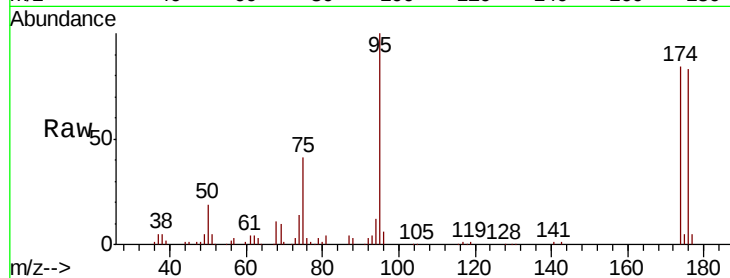
Tot Ion: 95 Resp: 164295

Ion Ratio Lower Upper

95 100

174 83.8 0.0 181.8

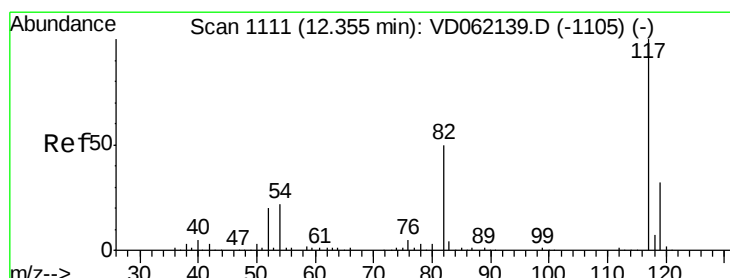
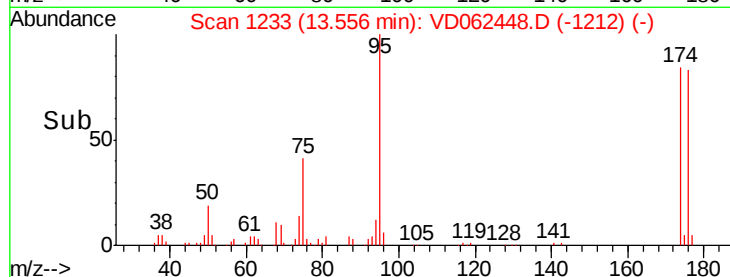
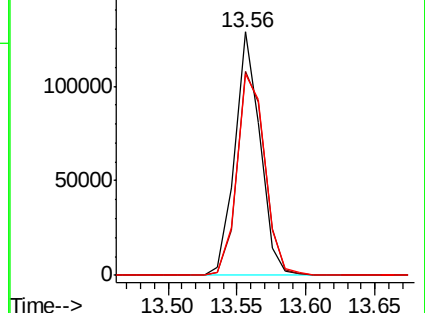
176 82.9 0.0 174.4



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: 12.37 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062448.D

Acq: 17 May 2019 19:38

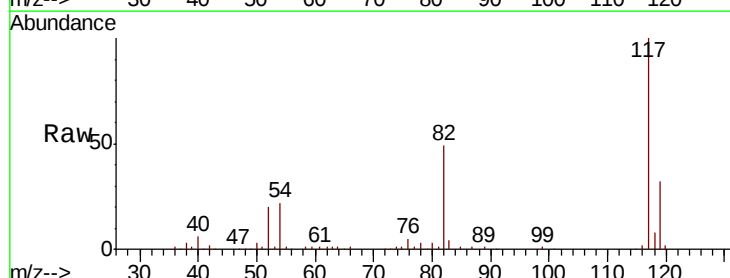
Tgt Ion: 117 Resp: 512163

Ion Ratio Lower Upper

117 100

82 49.4 36.2 54.2

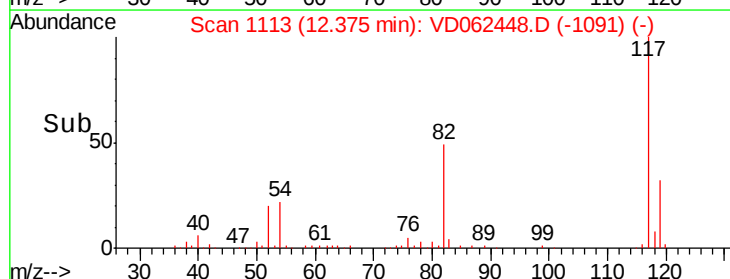
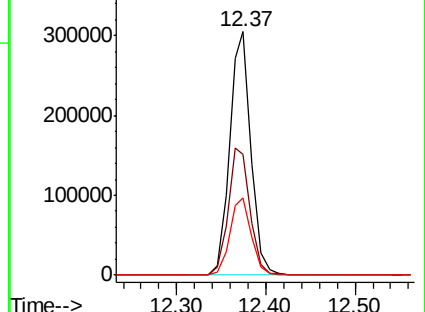
119 31.6 26.2 39.4

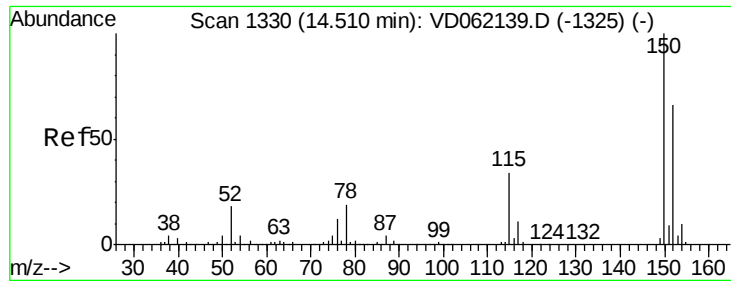


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062448.D

Acq: 17 May 2019 19:38

Instrument :

MSVOA_D

ClientSampleId :

GIS-2-4-FT

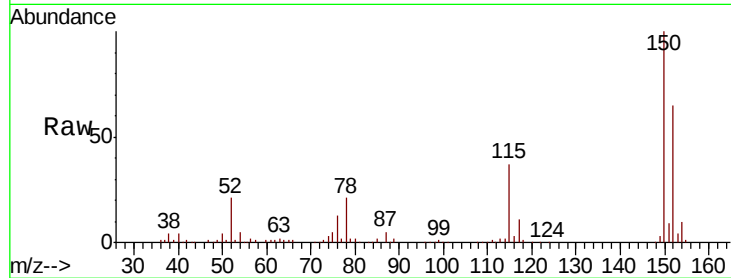
Tot Ion:152 Resp: 275355

Ion Ratio Lower Upper

152 100

115 56.8 30.9 92.7

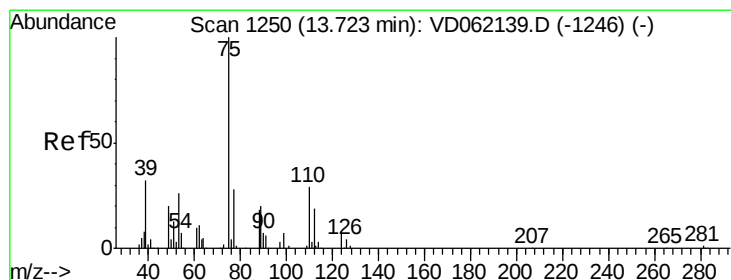
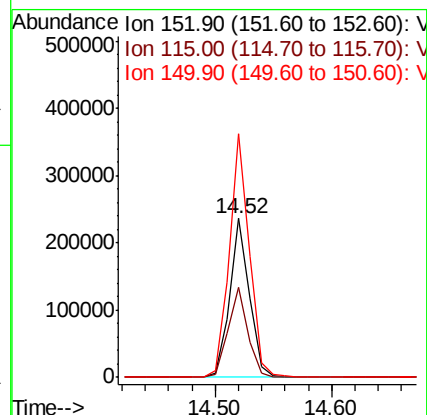
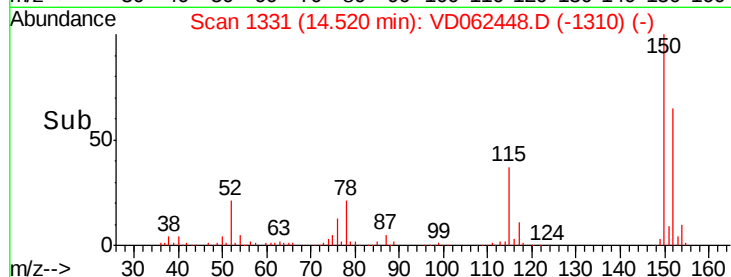
150 153.4 0.0 314.8



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: 16.662 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062448.D

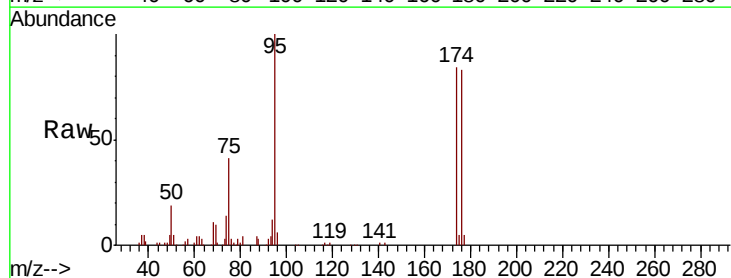
Acq: 17 May 2019 19:38

Tgt Ion: 75 Resp: 54523

Ion Ratio Lower Upper

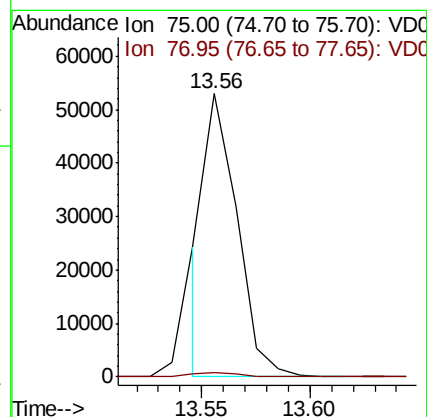
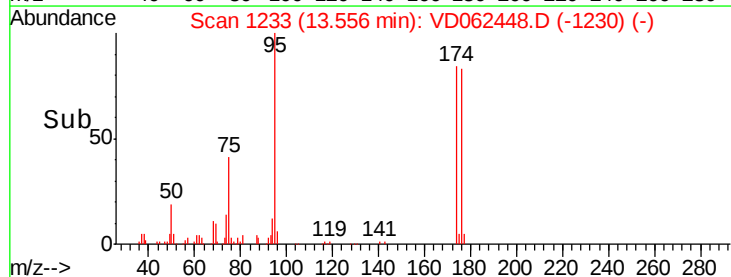
75 100

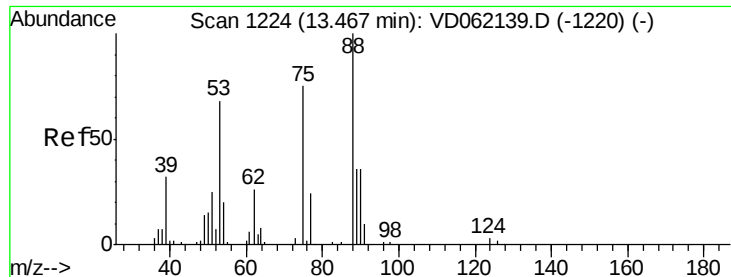
77 1.4 16.4 49.4#



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: 76.230 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062448.D

Acq: 17 May 2019 19:38

Instrument :

MSVOA_D

ClientSampleId :

GIS-2-4-FT

Tot Ion: 75 Resp: 70422

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

