

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062399.D
 Acq On : 15 May 2019 20:21
 Operator : FY/SY
 Sample : K2848-04
 Misc : 5.66g/5mL/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 16 03:59:36 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

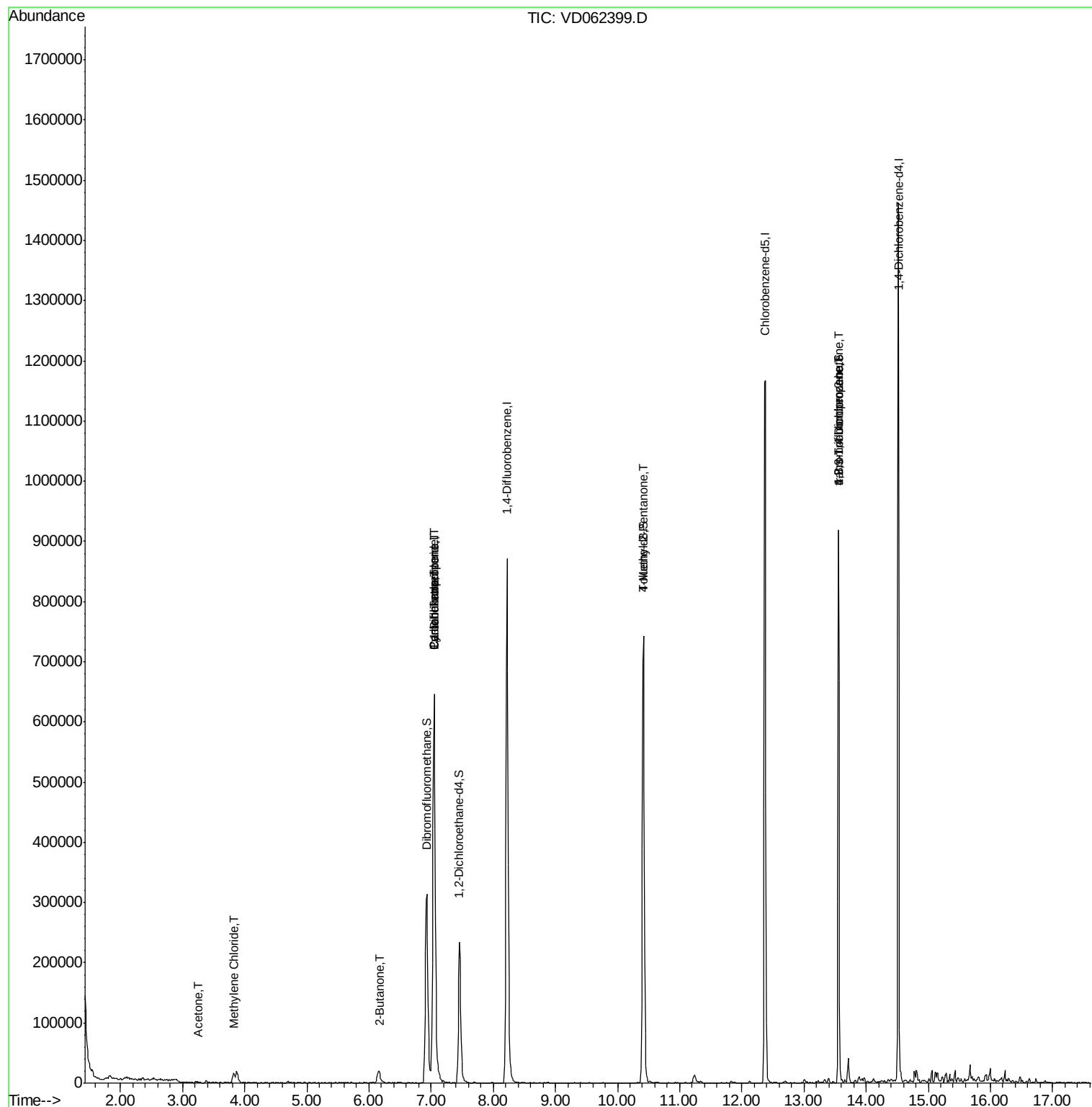
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	602351	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	871385	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	672187	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	298185	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	255268	45.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	91.20%	
35) Dibromofluoromethane	6.93	113	286896	39.68	ug/l	0.04
Spiked Amount	50.000		Recovery	=	79.36%	
50) Toluene-d8	10.42	98	616136	35.35	ug/l	0.02
Spiked Amount	50.000		Recovery	=	70.70%	
62) 4-Bromofluorobenzene	13.56	95	250652	35.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.62%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	3817	3.252	ug/l #	50
18) Methyl Acetate	3.66	43	247	Below Cal	#	53
20) Methylene Chloride	3.82	84	10025	2.045	ug/l #	88
25) 2-Butanone	6.16	43	1449	1.132	ug/l #	56
31) Cyclohexane	7.04	56	13433	2.287	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	50096	7.012	ug/l #	46
38) Carbon Tetrachloride	7.05	117	60930	6.162	ug/l #	17
51) 4-Methyl-2-Pentanone	10.41	43	3685	1.334	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	91628	25.857	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	114504	114.458	ug/l #	16

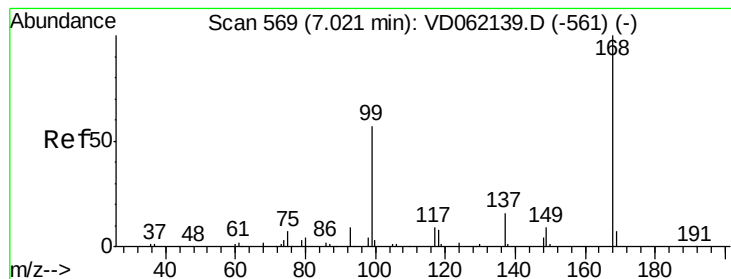
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051519\
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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: VD062399.D

Acq: 15 May 2019 20:21

Instrument :

MSVOA_D

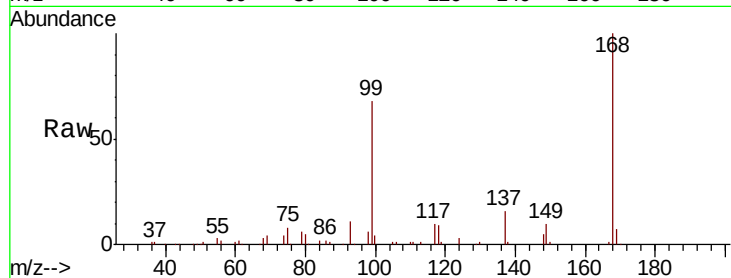
ClientSampleId :

Tot Ion:168 Resp: 602351

Ion Ratio Lower Upper

168 100

99 67.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

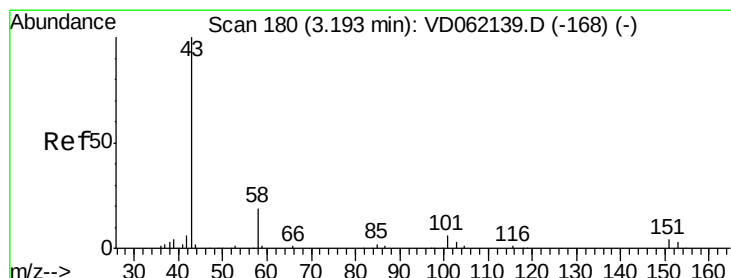
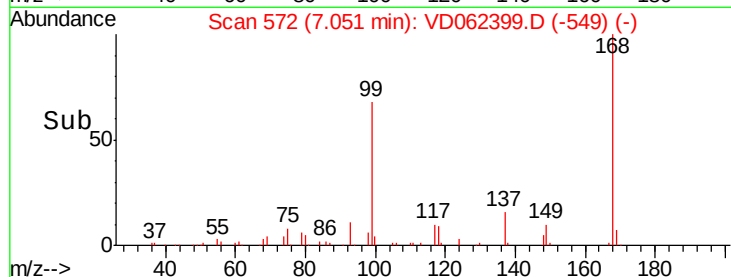
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.252 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062399.D

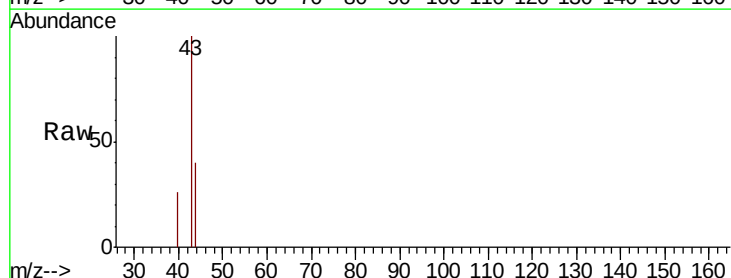
Acq: 15 May 2019 20:21

Tgt Ion: 43 Resp: 3817

Ion Ratio Lower Upper

43 100

58 0.0 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

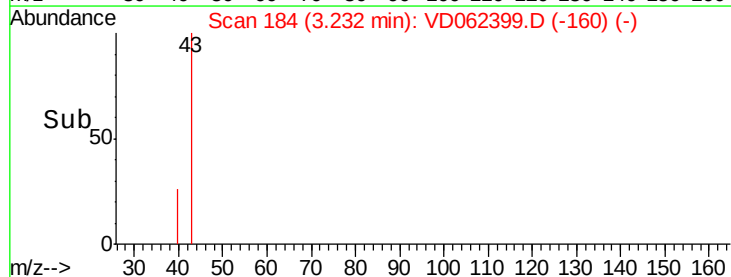
1500

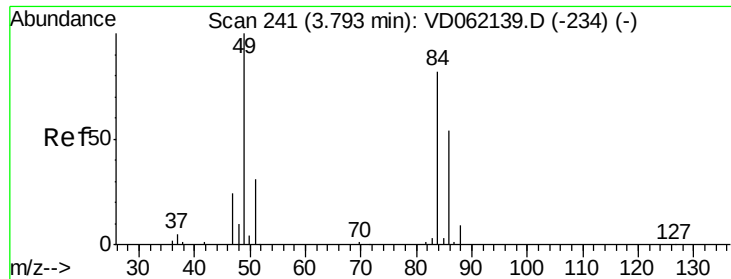
1000

500

0

Time-->

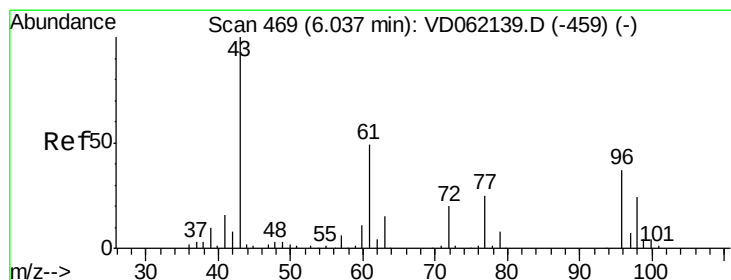
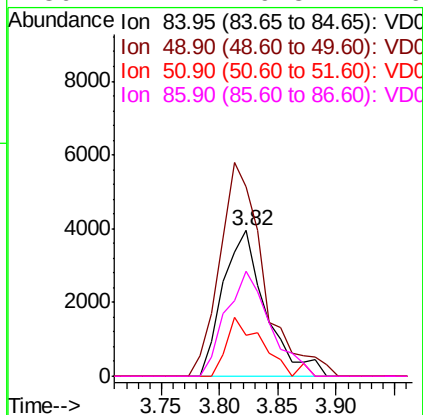
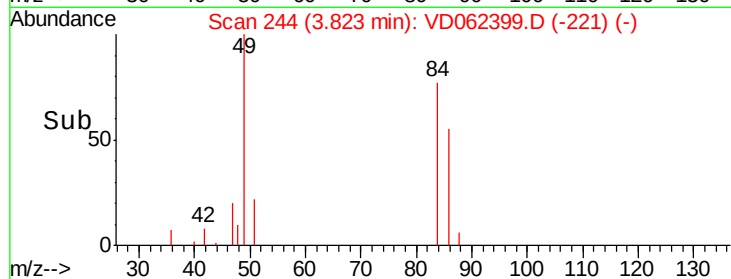
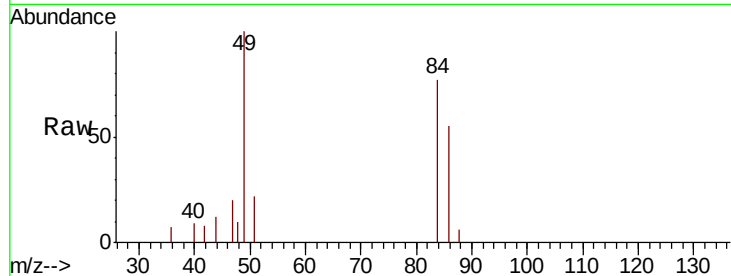




#20
Methylene Chloride
Concen: 2.045 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062399.D
Acq: 15 May 2019 20:21

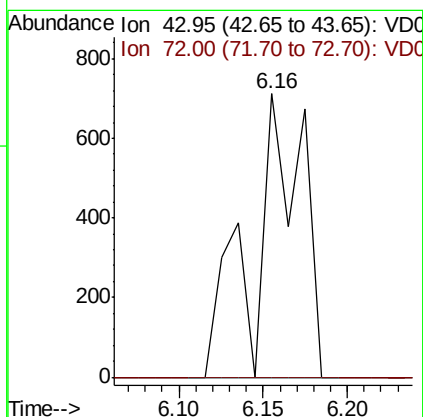
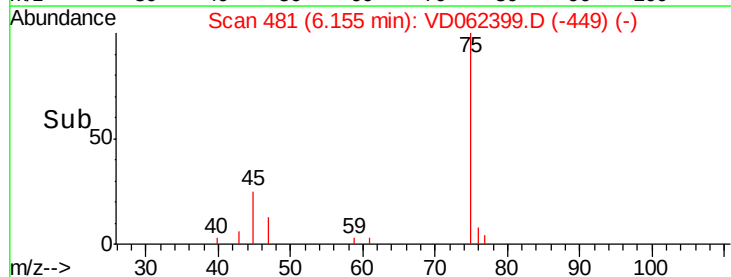
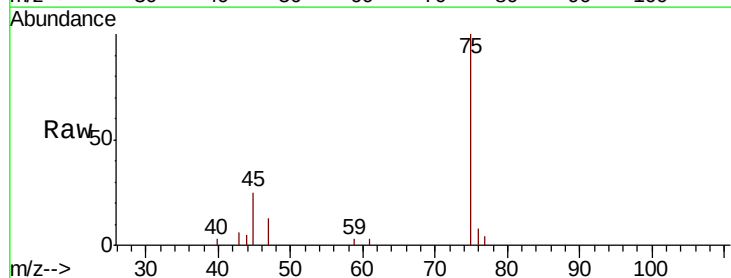
Instrument :
MSVOA_D
ClientSampled :

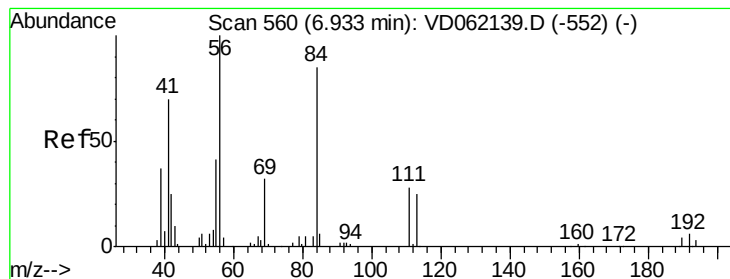
Tot Ion: 84 Resp: 10025
Ion Ratio Lower Upper
84 100
49 130.2 94.0 141.0
51 28.1 29.0 43.4#
86 71.7 49.8 74.6



#25
2-Butanone
Concen: 1.132 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.12 min
Lab File: VD062399.D
Acq: 15 May 2019 20:21

Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#





#31

Cyclohexane

Concen: 2.287 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD062399.D

Acq: 15 May 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

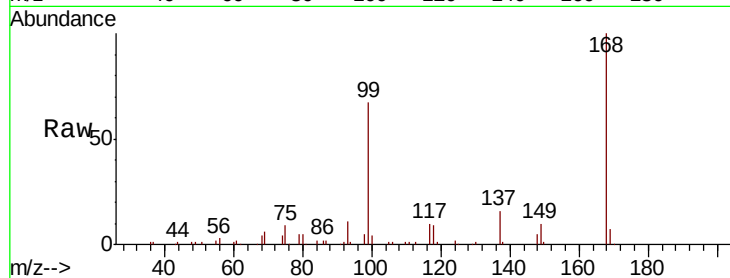
Tot Ion: 56 Resp: 13433

Ion Ratio Lower Upper

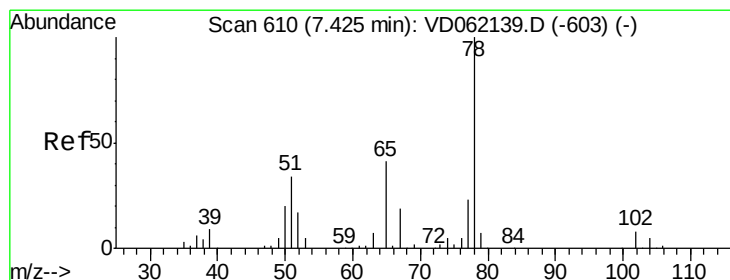
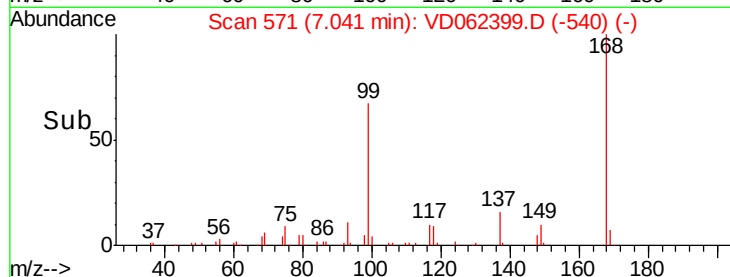
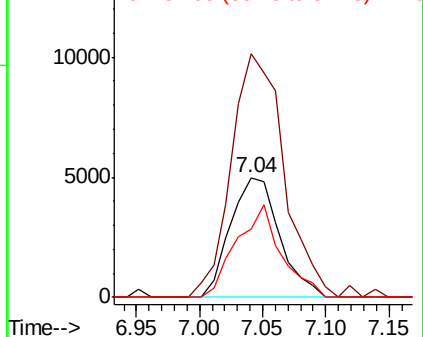
56 100

69 203.6 25.8 38.6#

84 57.0 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: 45.602 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062399.D

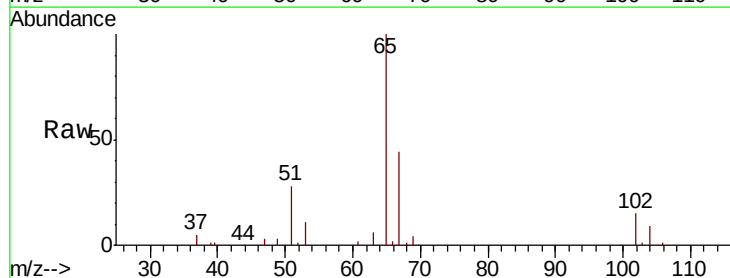
Acq: 15 May 2019 20:21

Tgt Ion: 65 Resp: 255268

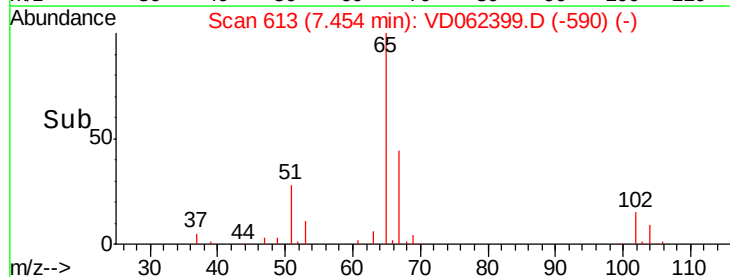
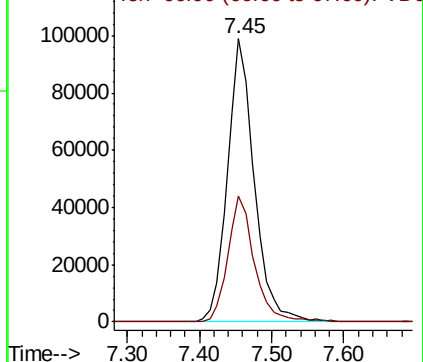
Ion Ratio Lower Upper

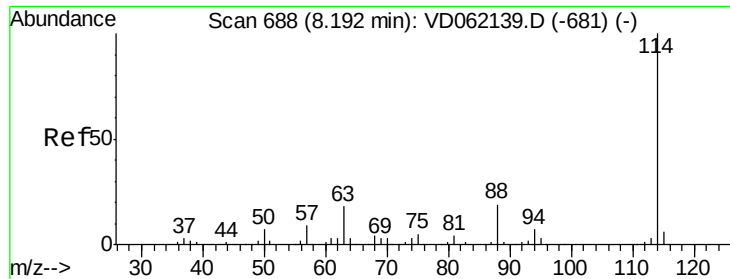
65 100

67 44.4 0.0 98.0



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

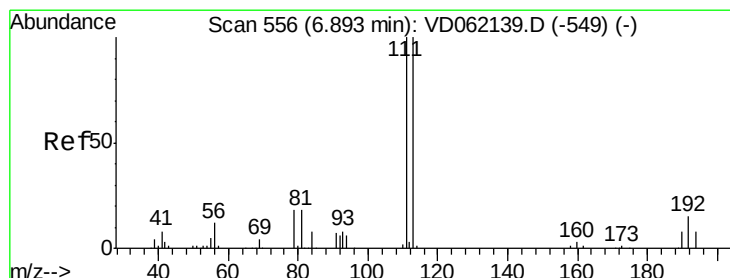
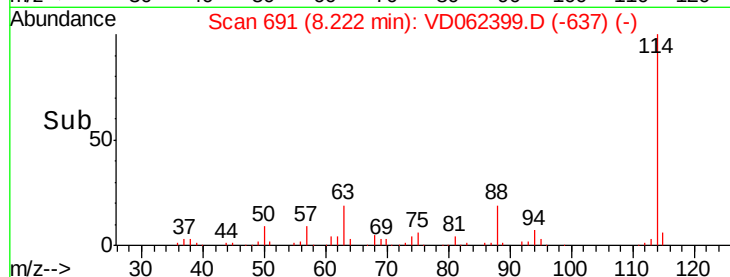
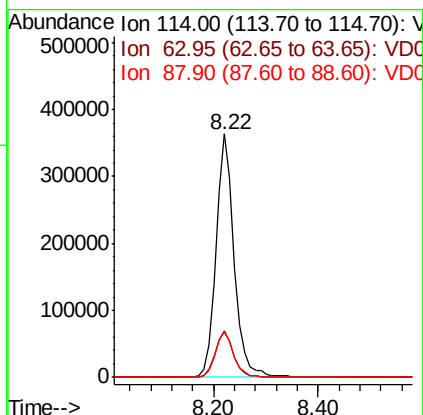
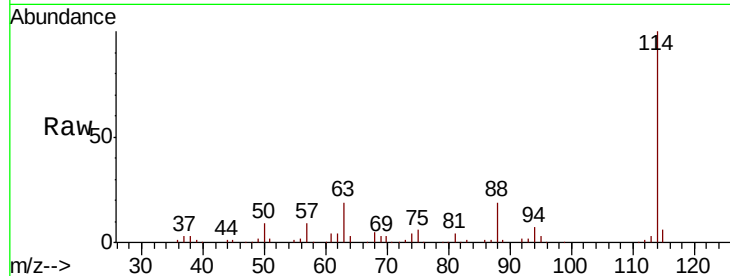




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062399.D
 Acq: 15 May 2019 20:21

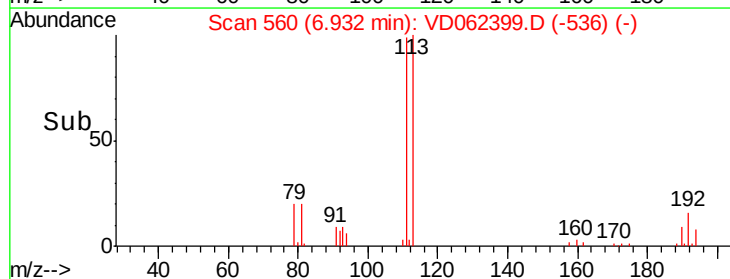
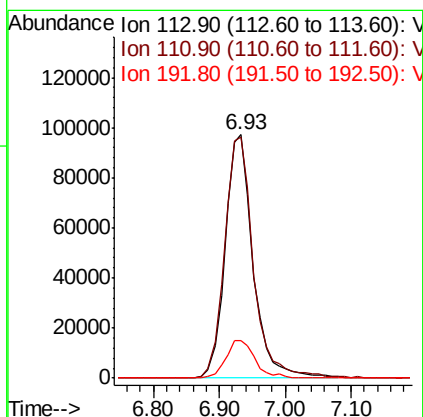
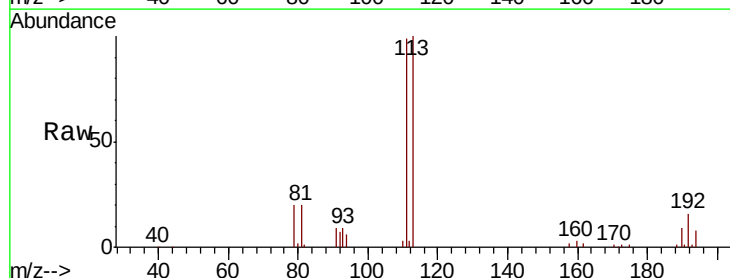
Instrument :
 MSVOA_D
 ClientSampleId :

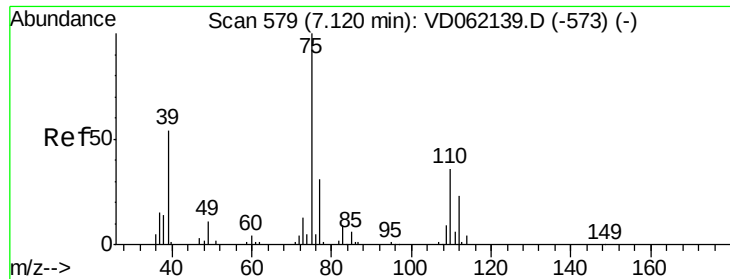
Tot Ion:114 Resp: 871385
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 32.4
 88 18.6 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 39.681 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062399.D
 Acq: 15 May 2019 20:21

Tgt Ion:113 Resp: 286896
 Ion Ratio Lower Upper
 113 100
 111 98.9 78.5 117.7
 192 15.6 13.0 19.4





#36

1,1-Dichloropropene

Concen: 7.012 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062399.D

Acq: 15 May 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

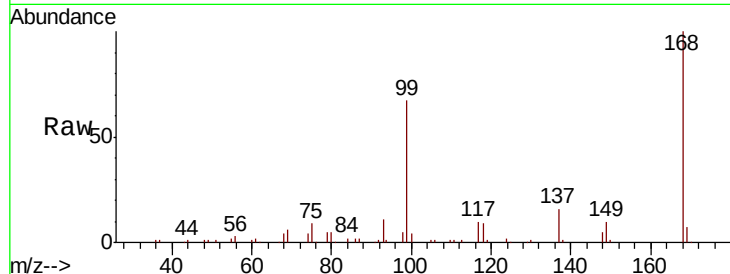
Tot Ion: 75 Resp: 50096

Ion Ratio Lower Upper

75 100

110 7.6 19.1 57.1#

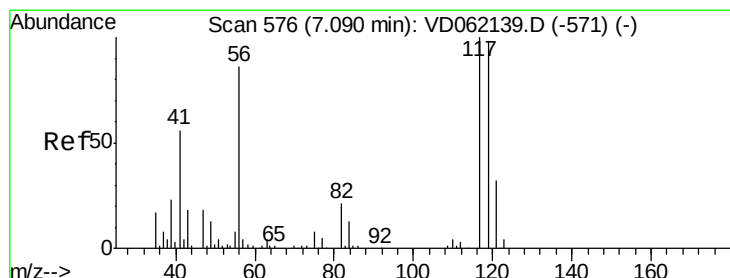
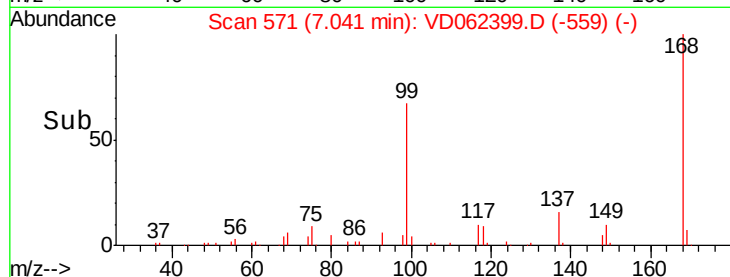
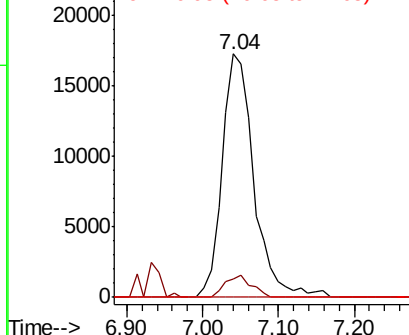
77 0.0 25.6 38.4#



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: 6.162 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD062399.D

Acq: 15 May 2019 20:21

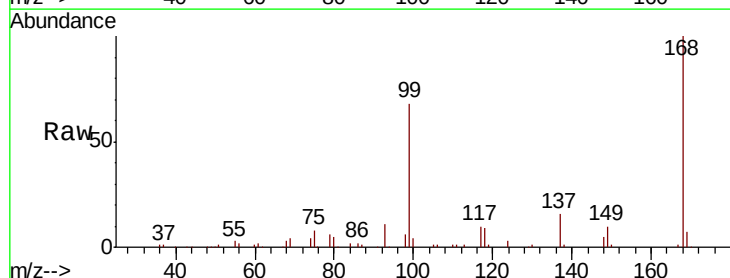
Tgt Ion: 117 Resp: 60930

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

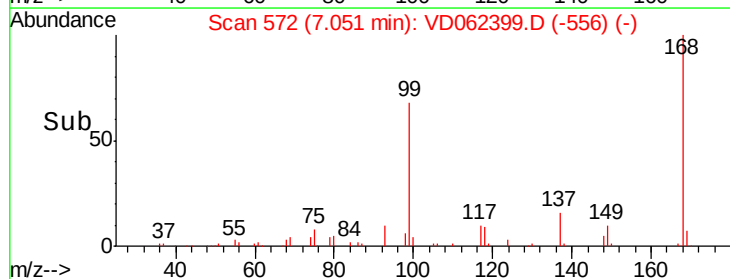
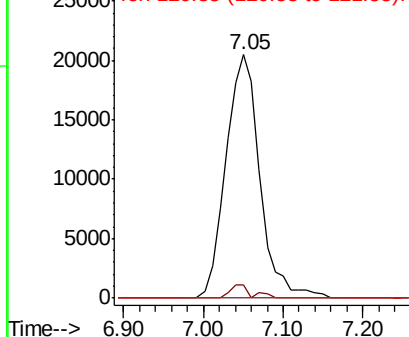
121 0.0 25.9 38.9#

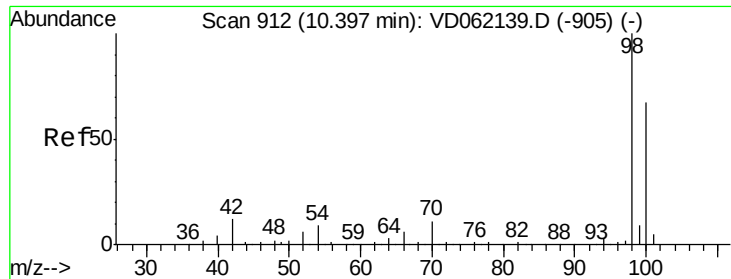


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 35.345 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062399.D

Acq: 15 May 2019 20:21

Instrument :

MSVOA_D

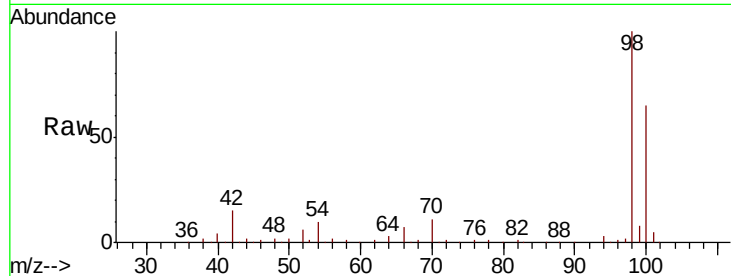
ClientSampleId :

Tot Ion: 98 Resp: 616136

Ion Ratio Lower Upper

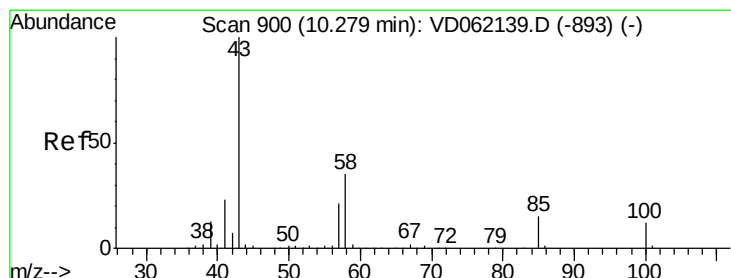
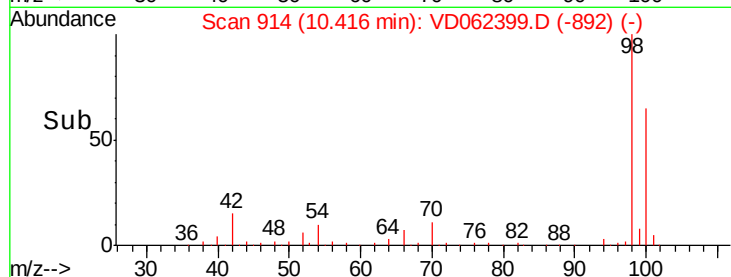
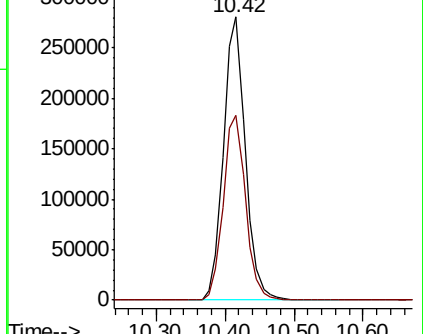
98 100

100 65.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.334 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD062399.D

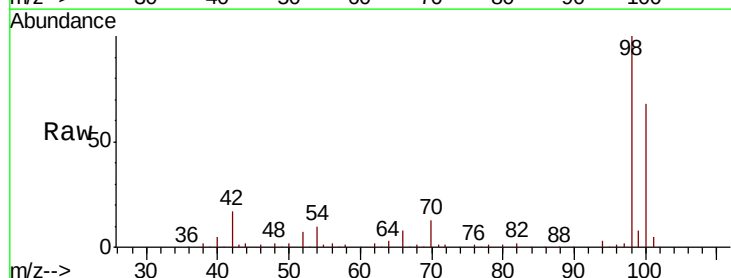
Acq: 15 May 2019 20:21

Tgt Ion: 43 Resp: 3685

Ion Ratio Lower Upper

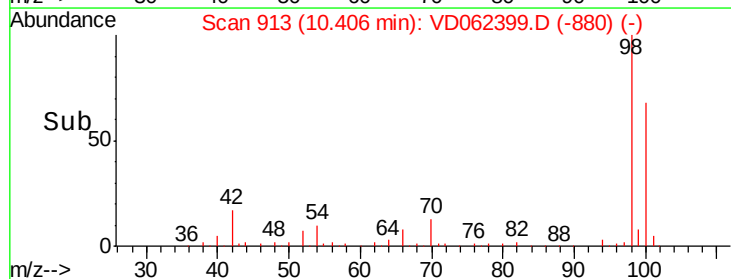
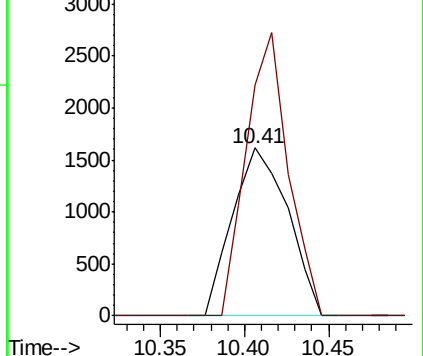
43 100

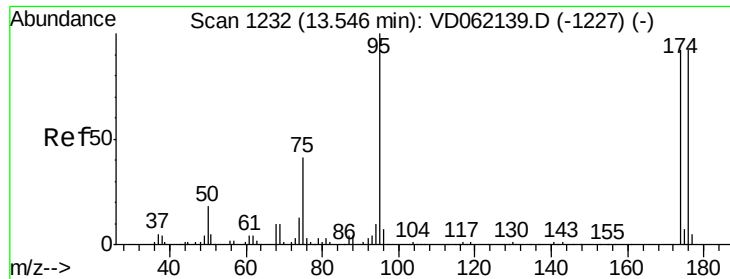
58 137.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

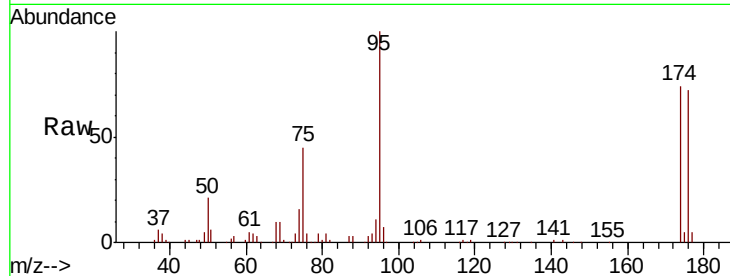




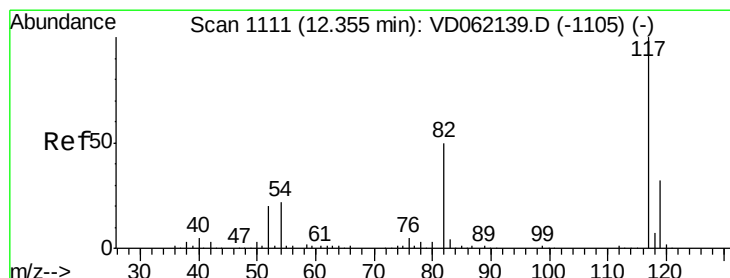
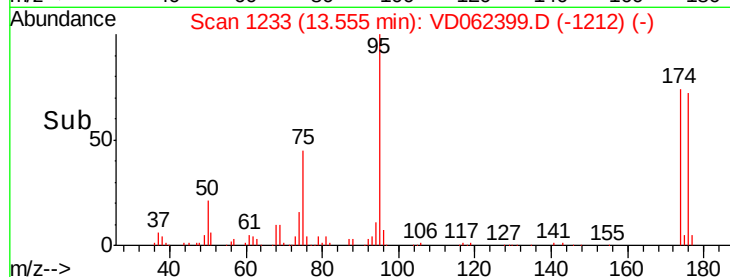
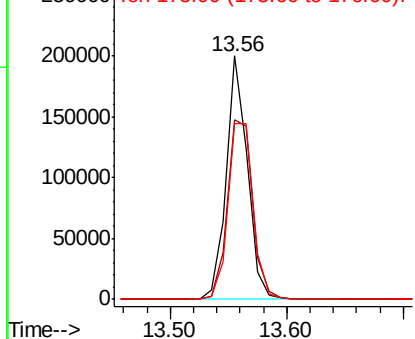
#62
4-Bromofluorobenzene
Concen: 35.807 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062399.D
Acq: 15 May 2019 20:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 250652
Ion Ratio Lower Upper
95 100
174 73.7 0.0 181.8
176 72.1 0.0 174.4

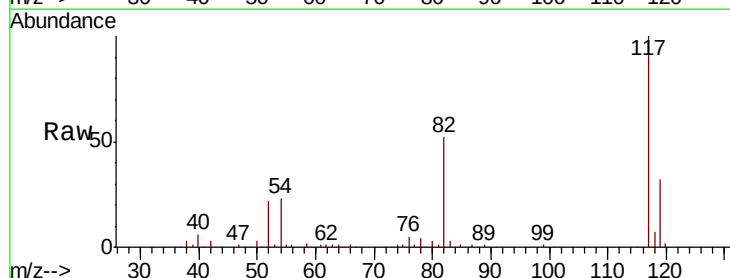


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

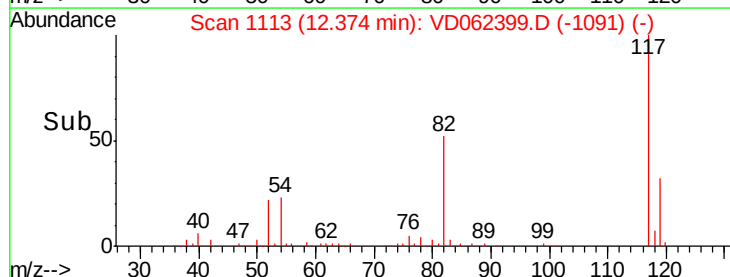
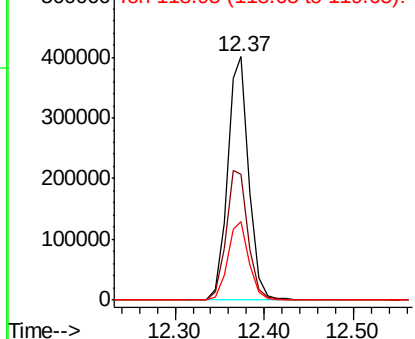


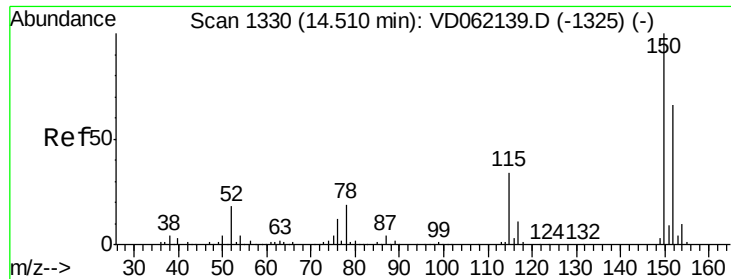
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062399.D
Acq: 15 May 2019 20:21

Tgt Ion: 117 Resp: 672187
Ion Ratio Lower Upper
117 100
82 51.6 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

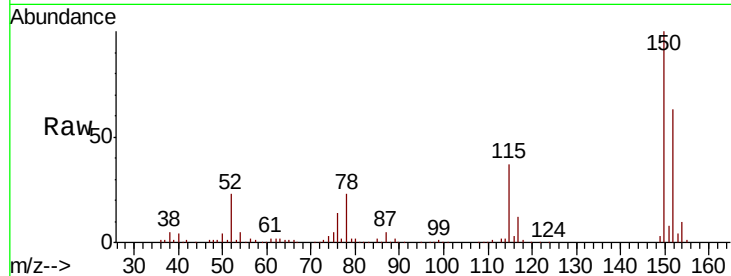




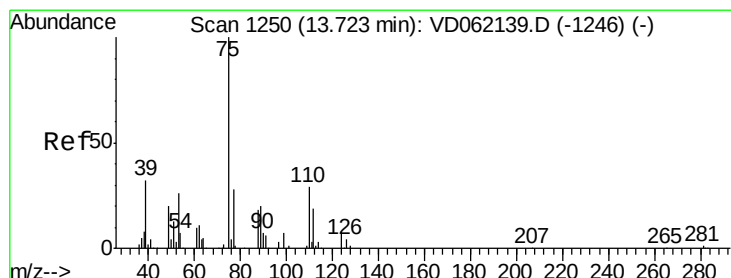
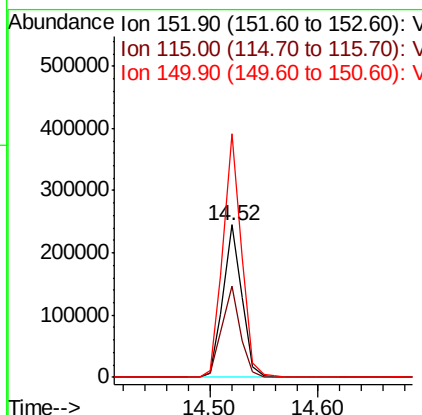
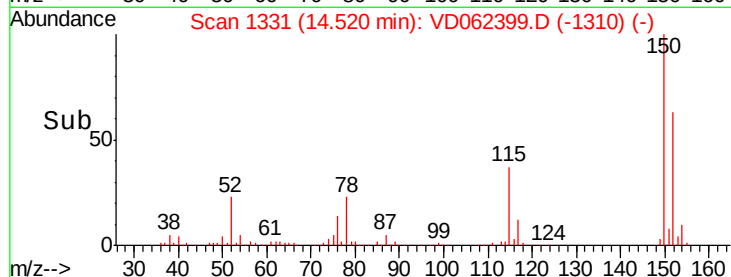
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD062399.D
 Acq: 15 May 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 298185
 Ion Ratio Lower Upper
 152 100
 115 59.7 30.9 92.7
 150 159.7 0.0 314.8

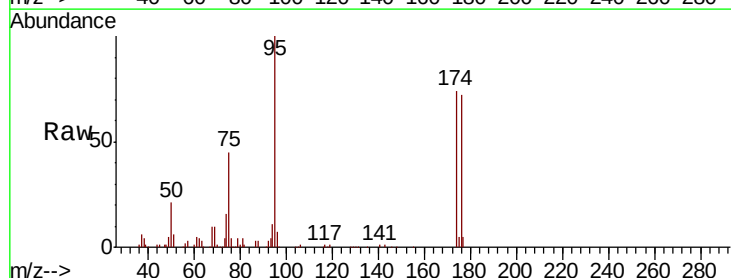


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

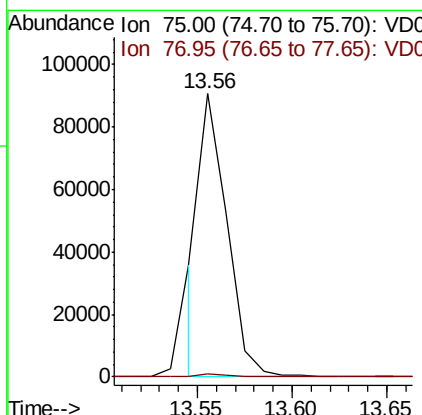
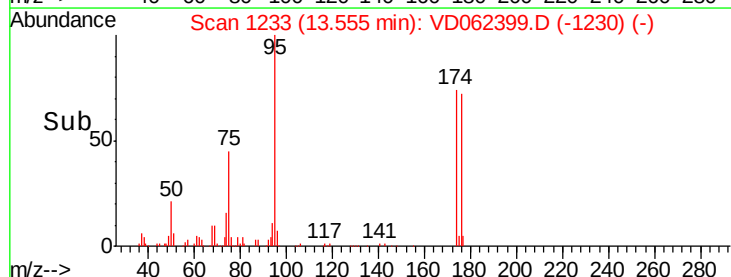


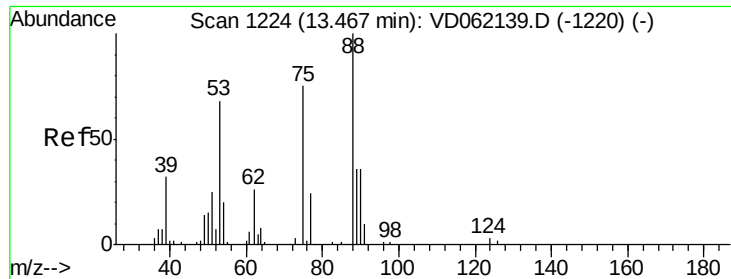
#76
 1,2,3-Trichloropropane
 Concen: 25.857 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD062399.D
 Acq: 15 May 2019 20:21

Tgt Ion: 75 Resp: 91628
 Ion Ratio Lower Upper
 75 100
 77 0.9 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: 114.458 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062399.D

Acq: 15 May 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

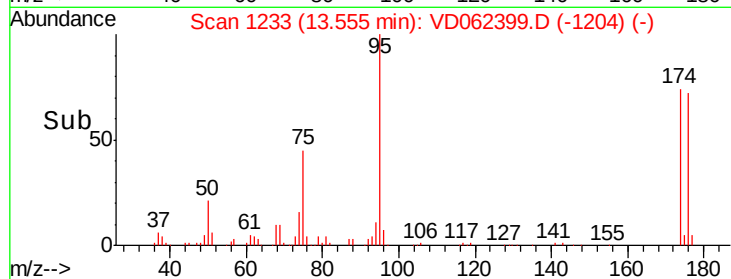
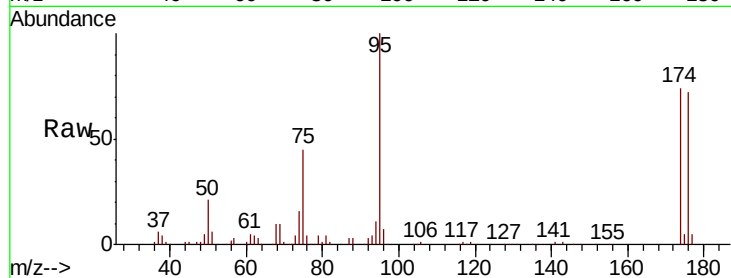
Tot Ion: 75 Resp: 114504

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

