

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062398.D
 Acq On : 15 May 2019 19:53
 Operator : FY/SY
 Sample : K2848-02
 Misc : 5.28g/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 16 03:59:25 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

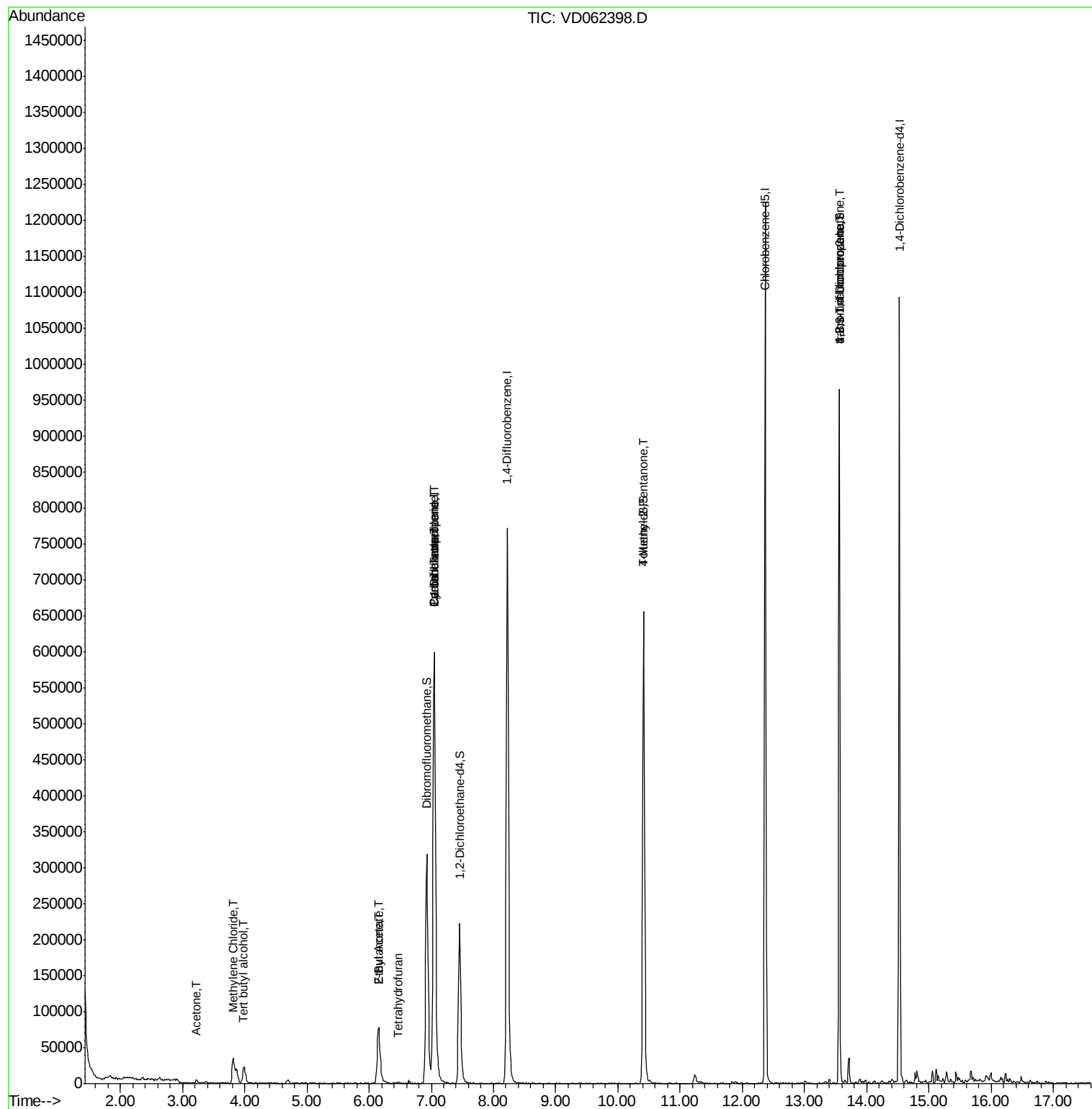
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	595398	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	857822	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	618549	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	251041	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	255996	46.27	ug/l	0.03
Spiked Amount 50.000			Recovery	=	92.54%	
35) Dibromofluoromethane	6.93	113	278948	39.19	ug/l	0.03
Spiked Amount 50.000			Recovery	=	78.38%	
50) Toluene-d8	10.41	98	542996	31.64	ug/l	0.01
Spiked Amount 50.000			Recovery	=	63.28%	
62) 4-Bromofluorobenzene	13.56	95	259686	37.68	ug/l	0.01
Spiked Amount 50.000			Recovery	=	75.36%	
Target Compounds				Qvalue		
11) Tert butyl alcohol	3.98	59	21240	75.203	ug/l #	76
16) Acetone	3.22	43	8423	7.259	ug/l #	77
18) Methyl Acetate	3.63	43	547	Below Cal	#	53
20) Methylene Chloride	3.82	84	23580	4.867	ug/l #	81
25) 2-Butanone	6.14	43	5878	4.644	ug/l #	56
29) Tetrahydrofuran	6.47	42	797	1.367	ug/l #	56
31) Cyclohexane	7.03	56	12258	2.111	ug/l #	2
36) 1,1-Dichloropropene	7.04	75	48124	6.842	ug/l #	47
37) Ethyl Acetate	6.14	43	5877	1.970	ug/l #	33
38) Carbon Tetrachloride	7.04	117	61950	6.364	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	2852	1.049	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	110526	37.047	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	117919	140.007	ug/l #	16

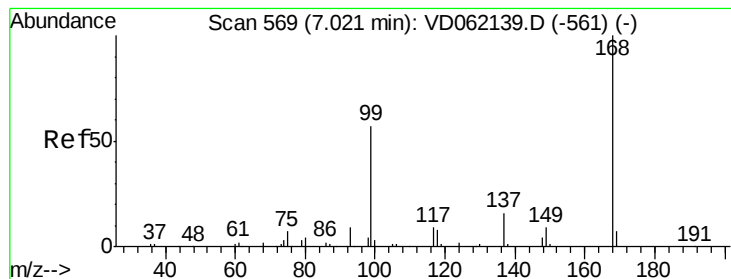
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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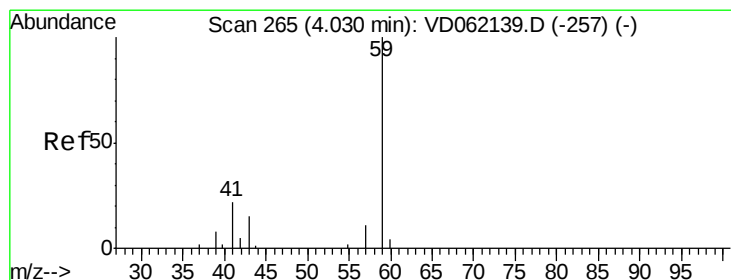
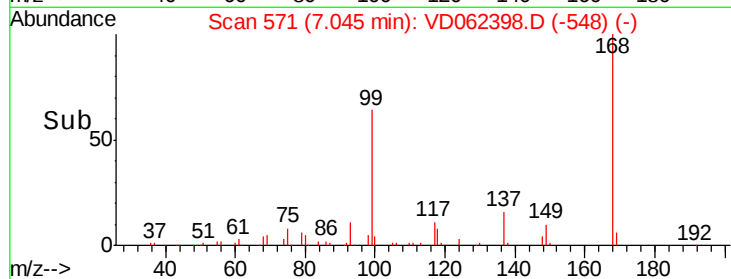
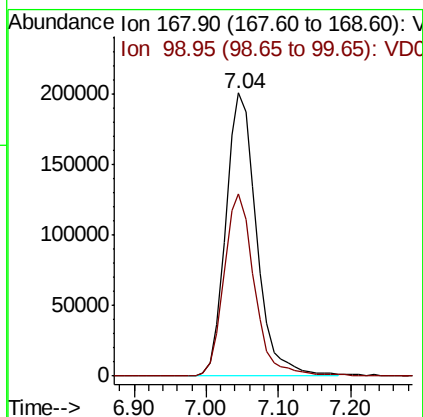
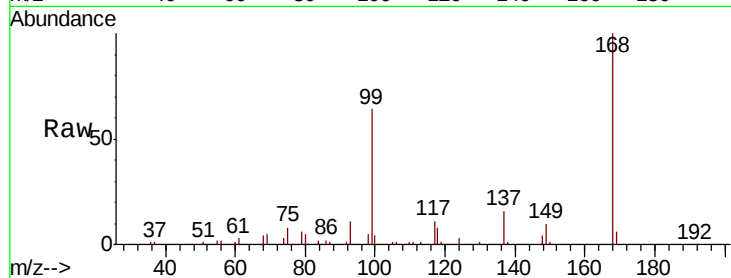




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.02 min
Lab File: VD062398.D
Acq: 15 May 2019 19:53

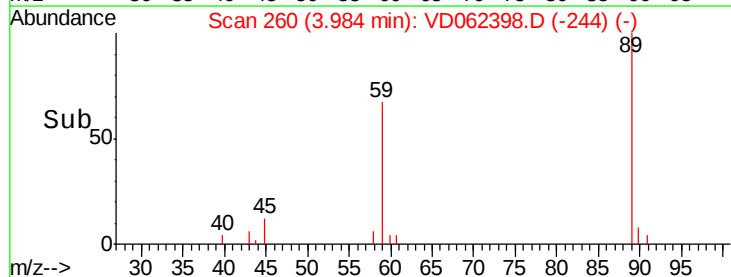
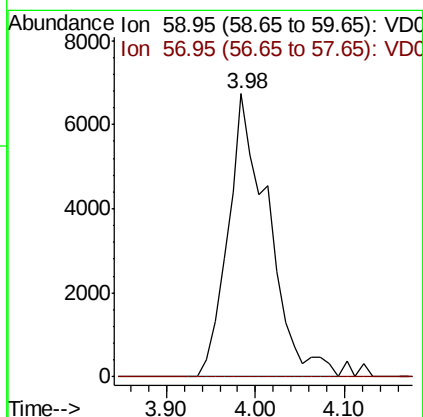
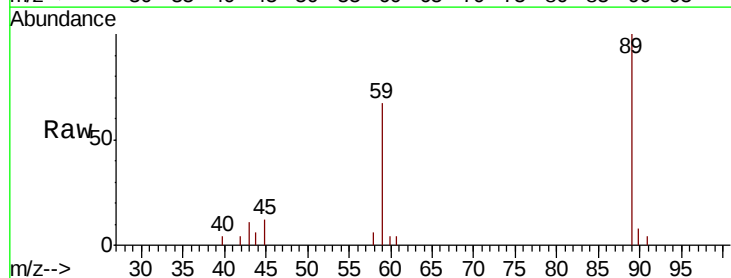
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 595398
Ion Ratio Lower Upper
168 100
99 64.2 46.5 69.7



#11
Tert butyl alcohol
Concen: 75.203 ug/l
RT: 3.98 min Scan# 260
Delta R.T. -0.05 min
Lab File: VD062398.D
Acq: 15 May 2019 19:53

Tgt Ion: 59 Resp: 21240
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#





#16

Acetone

Concen: 7.259 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

Instrument :

MSVOA_D

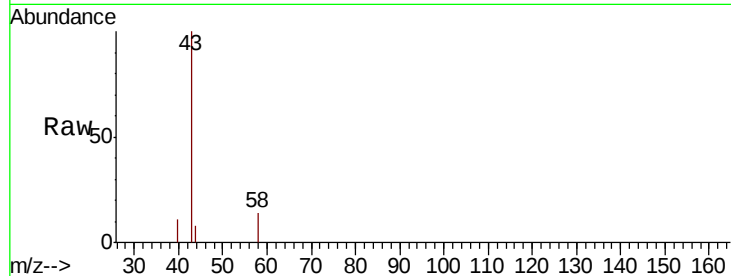
ClientSampleId :

Tot Ion: 43 Resp: 8423

Ion Ratio Lower Upper

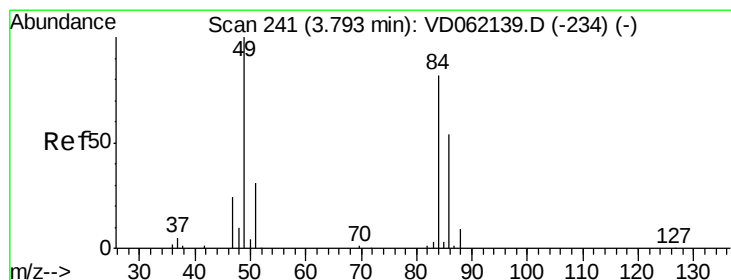
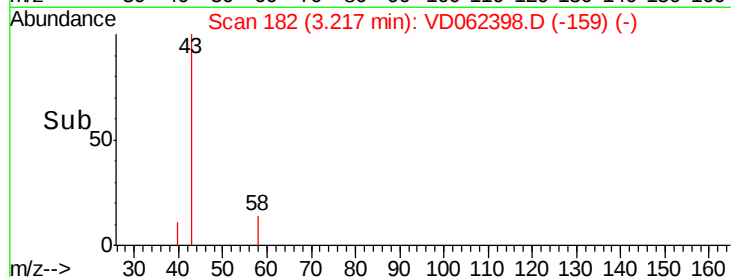
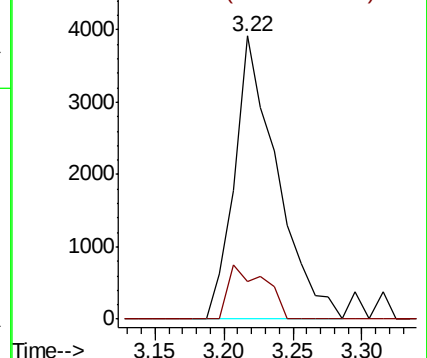
43 100

58 13.5 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: 4.867 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

Tgt Ion: 84 Resp: 23580

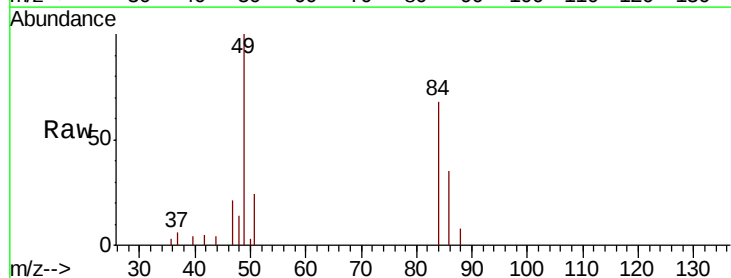
Ion Ratio Lower Upper

84 100

49 147.1 94.0 141.0#

51 35.0 29.0 43.4

86 52.1 49.8 74.6

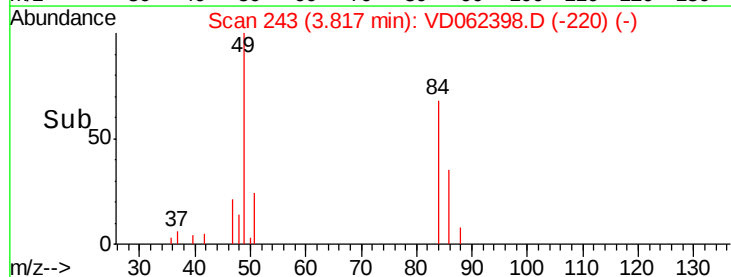
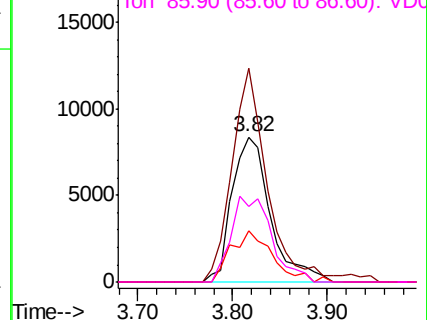


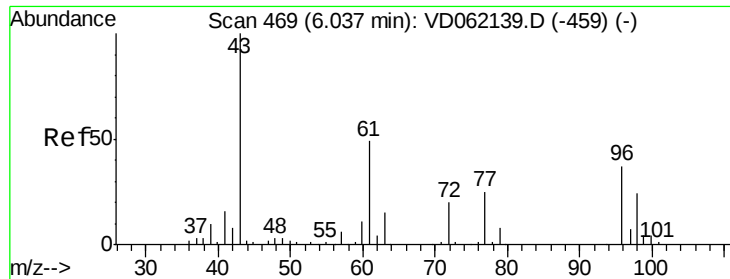
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

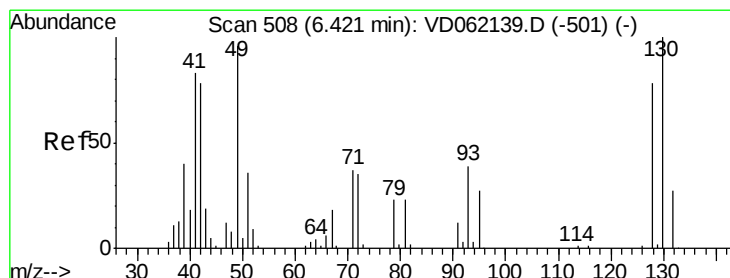
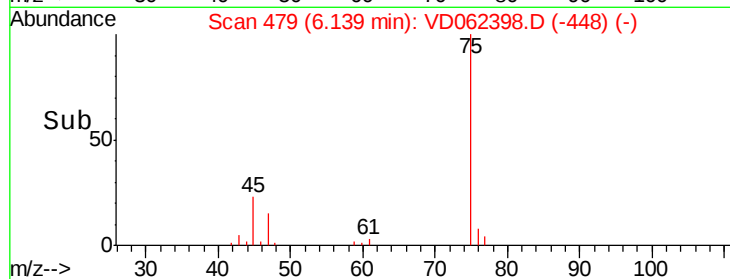
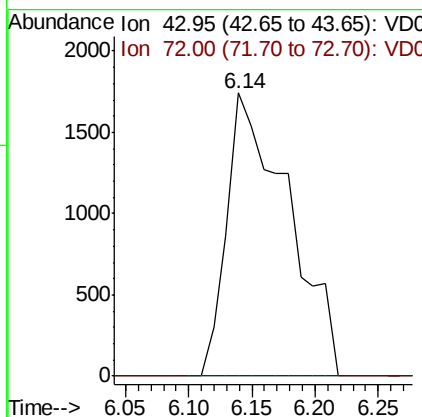
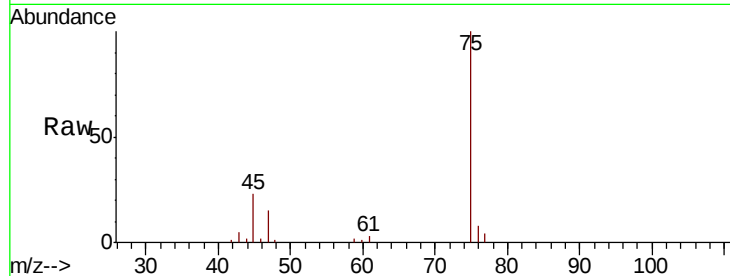




#25
 2-Butanone
 Concen: 4.644 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. 0.10 min
 Lab File: VD062398.D
 Acq: 15 May 2019 19:53

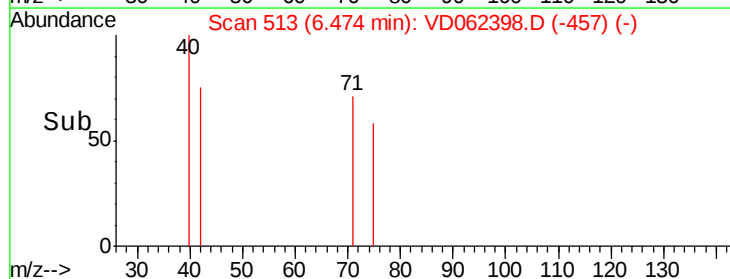
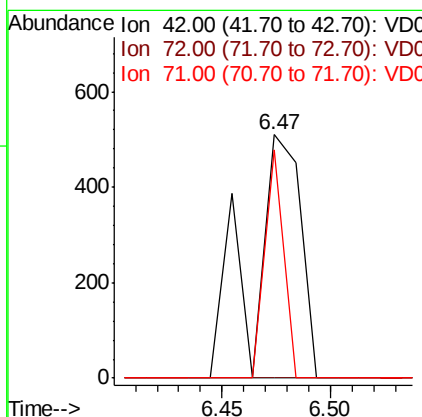
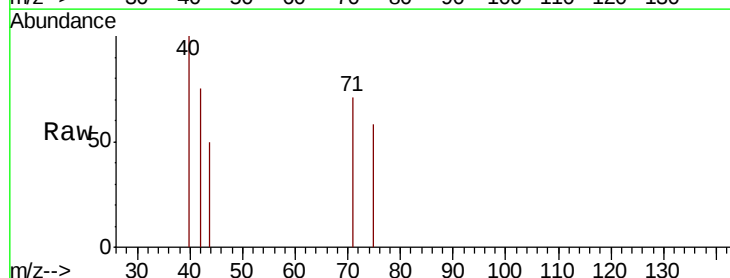
Instrument :
 MSVOA_D
 ClientSampleId :

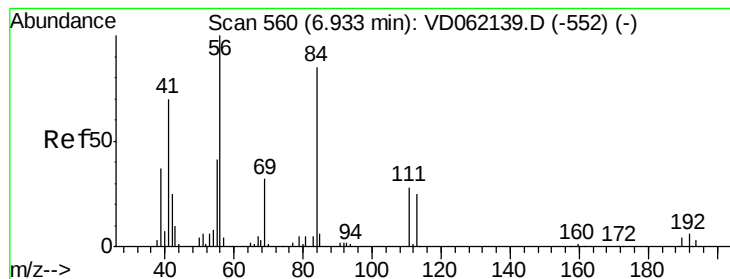
Tot Ion: 43 Resp: 5878
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.2 24.4#



#29
 Tetrahydrofuran
 Concen: 1.367 ug/l
 RT: 6.47 min Scan# 513
 Delta R.T. 0.05 min
 Lab File: VD062398.D
 Acq: 15 May 2019 19:53

Tgt Ion: 42 Resp: 797
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.8 56.6#
 71 35.4 36.7 55.1#





#31

Cvclohexane

Concen: 2.111 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

Instrument :
MSVOA_D
ClientSampleId :

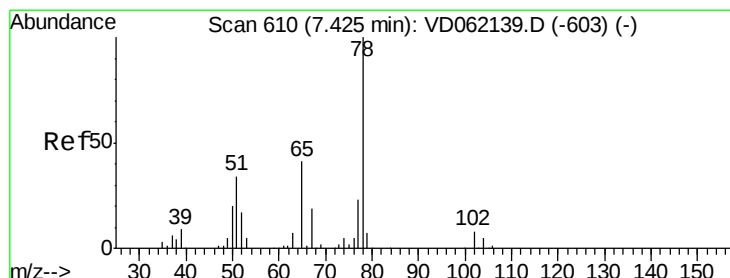
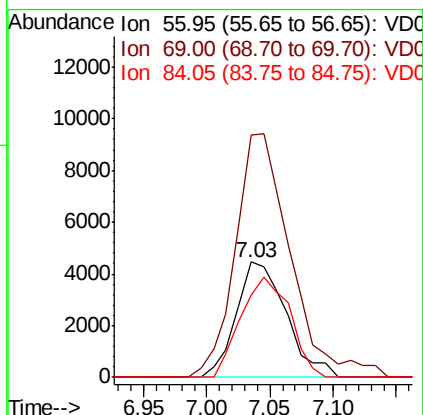
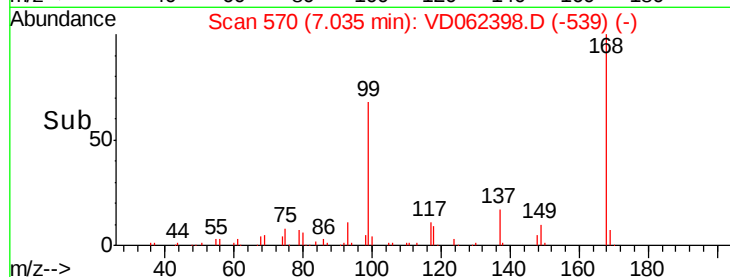
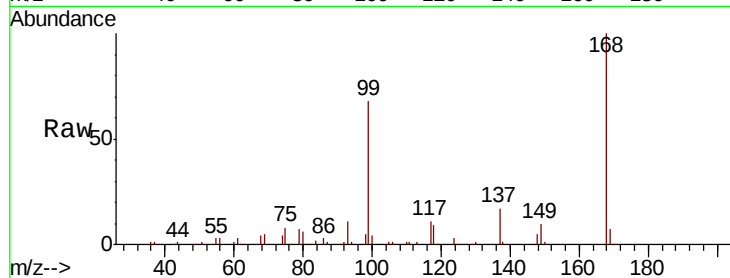
Tot Ion: 56 Resp: 12258

Ion Ratio Lower Upper

56 100

69 210.0 25.8 38.6#

84 71.4 72.2 108.4#



#33

1,2-Dichloroethane-d4

Concen: 46.266 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062398.D

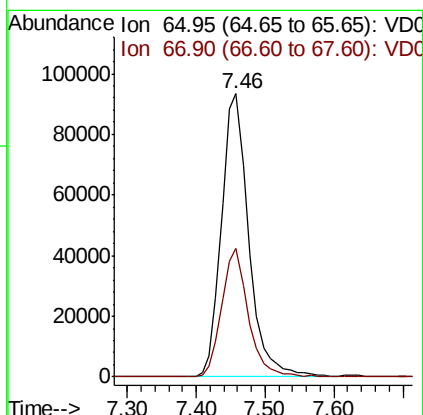
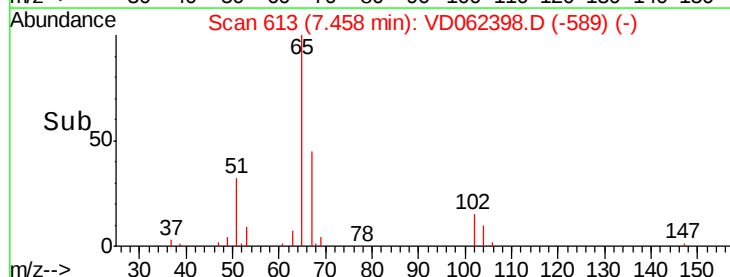
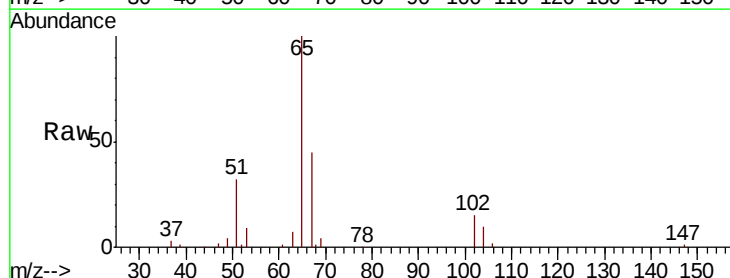
Acq: 15 May 2019 19:53

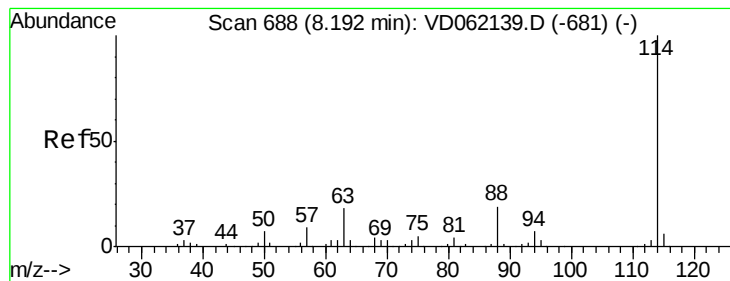
Tgt Ion: 65 Resp: 255996

Ion Ratio Lower Upper

65 100

67 45.4 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

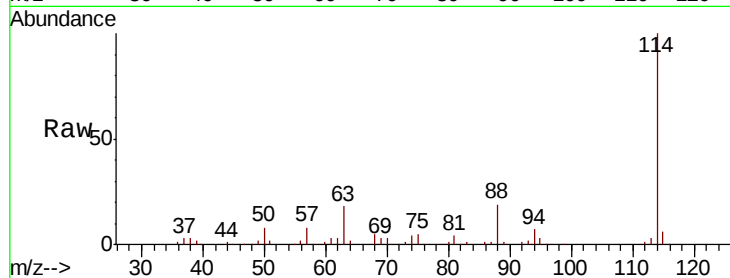
Tot Ion:114 Resp: 857822

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.4

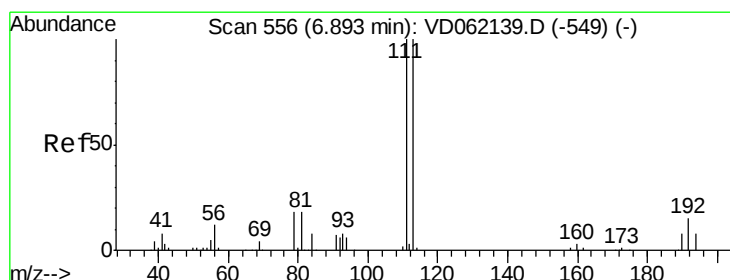
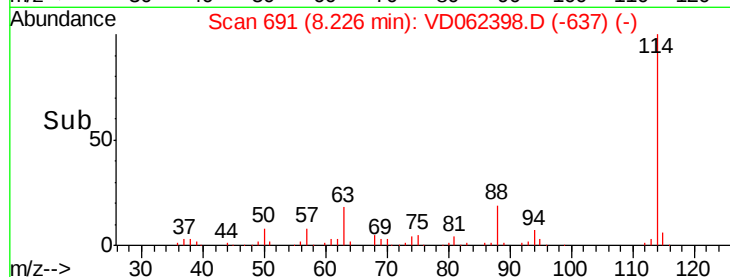
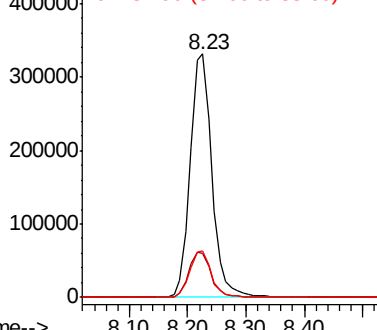
88 19.2 0.0 33.6



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: 39.192 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

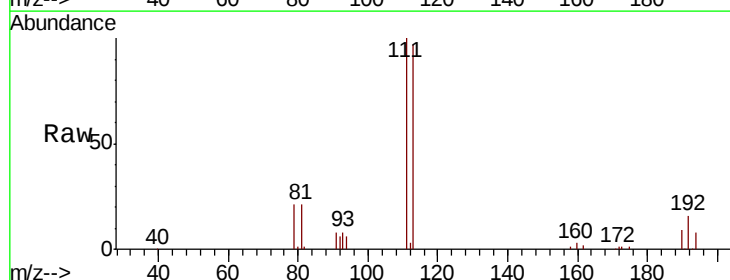
Tgt Ion:113 Resp: 278948

Ion Ratio Lower Upper

113 100

111 102.8 78.5 117.7

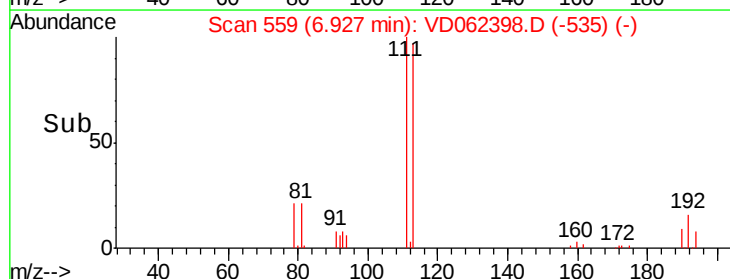
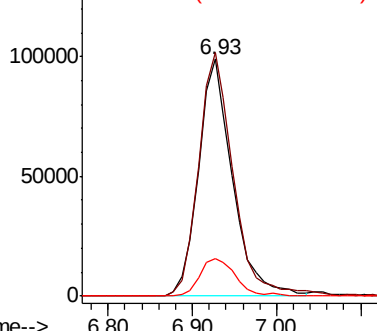
192 15.9 13.0 19.4

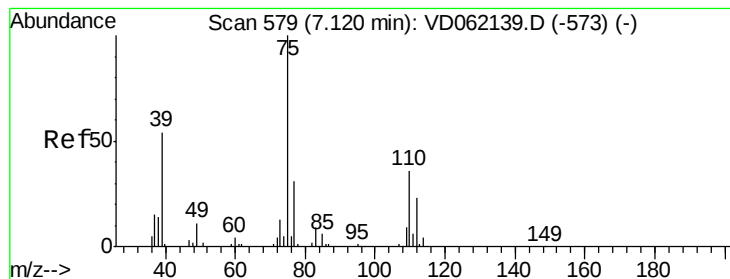


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.842 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

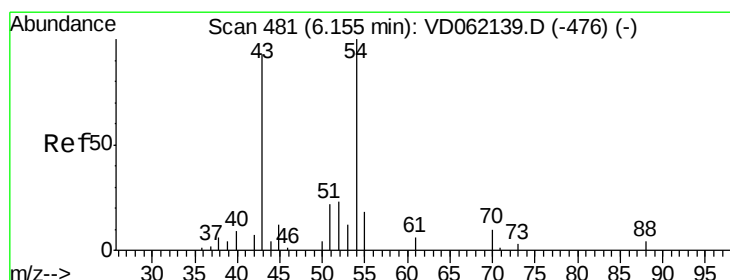
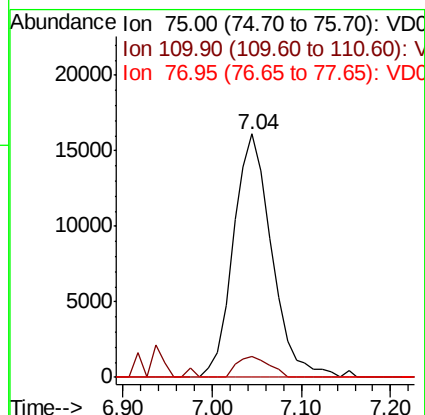
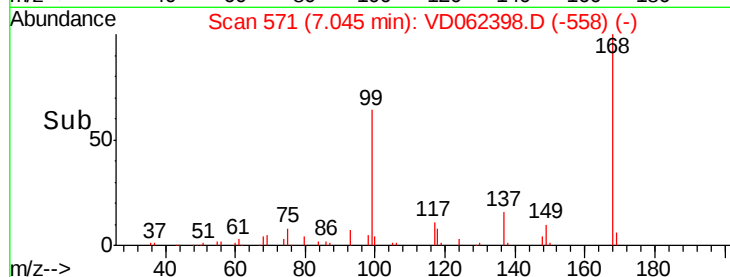
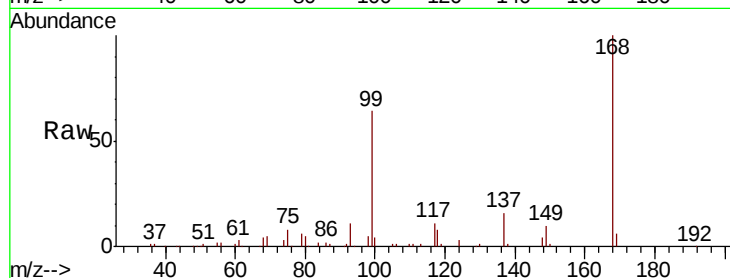
Tot Ion: 75 Resp: 48124

Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.1#

77 0.0 25.6 38.4#



#37

Ethyl Acetate

Concen: 1.970 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.02 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

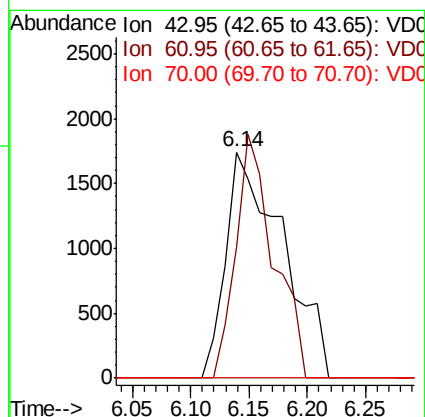
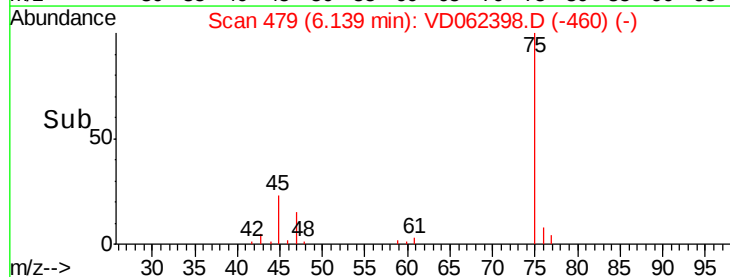
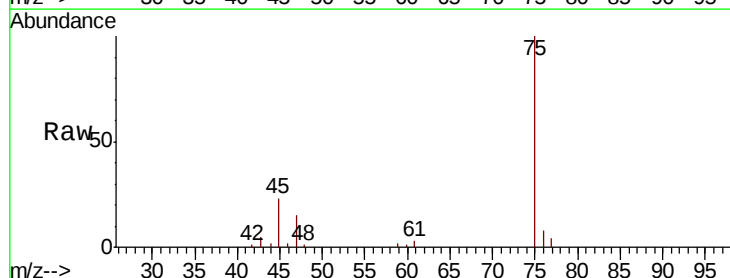
Tgt Ion: 43 Resp: 5877

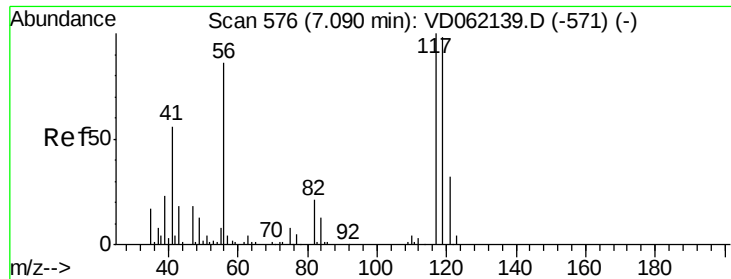
Ion Ratio Lower Upper

43 100

61 58.0 14.7 22.1#

70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 6.364 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

Instrument :

MSVOA_D

ClientSampled :

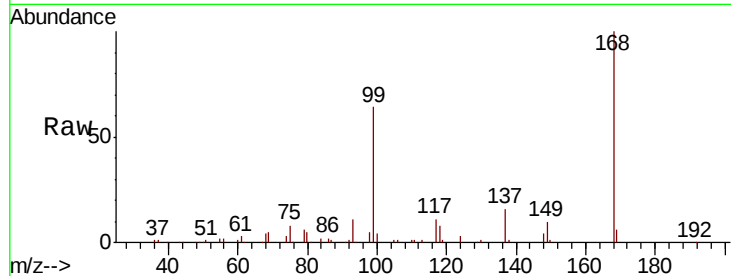
Tot Ion:117 Resp: 61950

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.8#

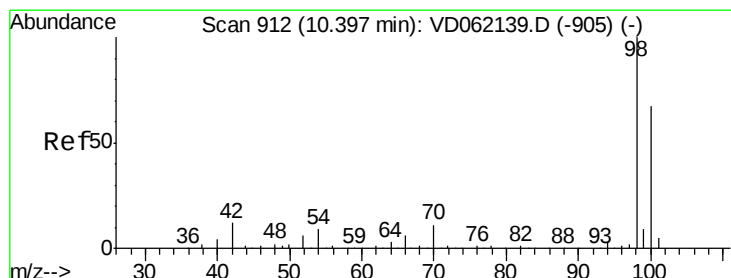
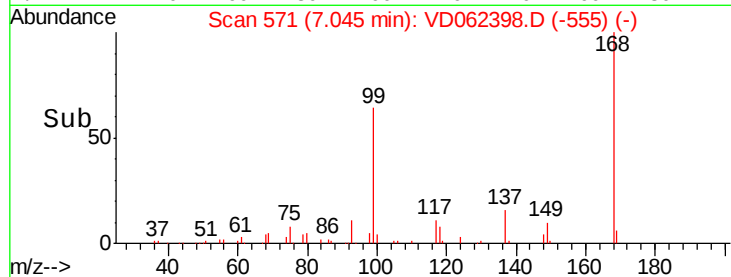
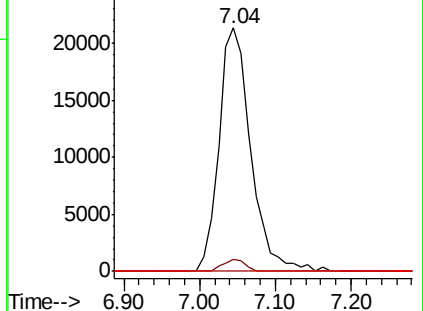
121 0.0 25.9 38.9#



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: 31.642 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062398.D

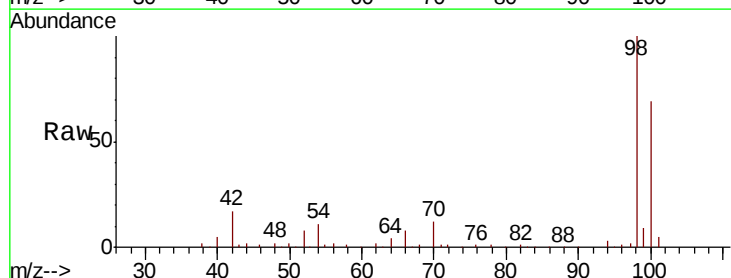
Acq: 15 May 2019 19:53

Tgt Ion: 98 Resp: 542996

Ion Ratio Lower Upper

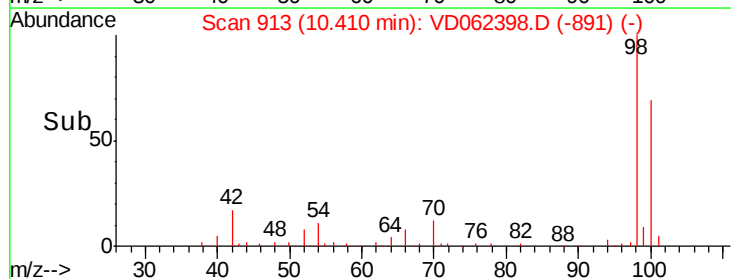
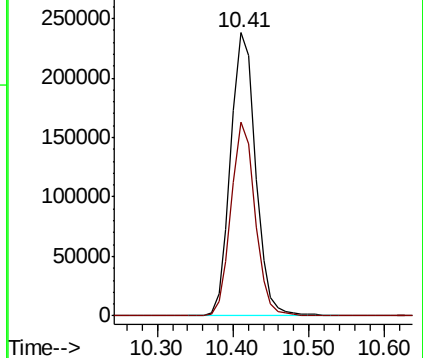
98 100

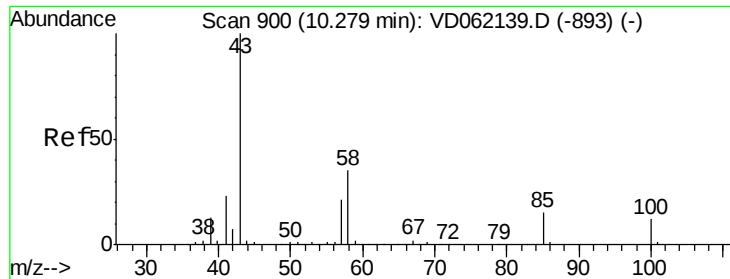
100 68.5 53.8 80.8



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: 1.049 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

Instrument :

MSVOA_D

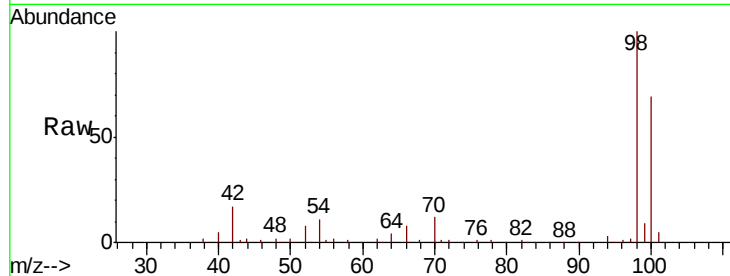
ClientSampleId :

Tot Ion: 43 Resp: 2852

Ion Ratio Lower Upper

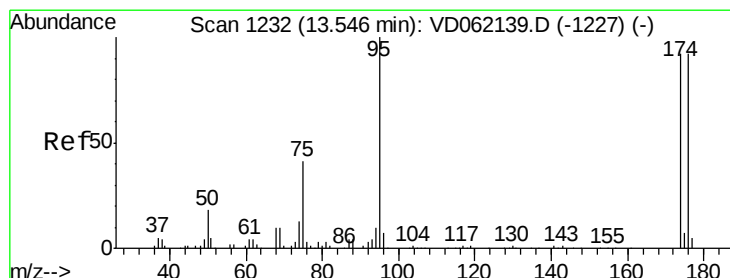
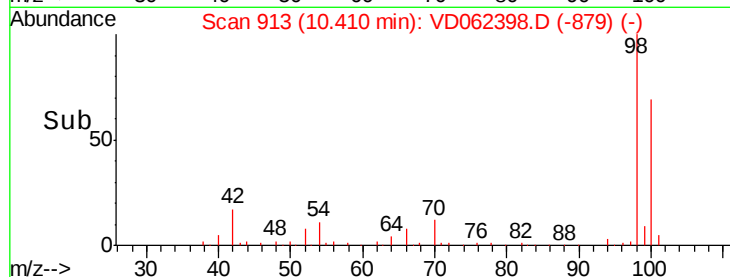
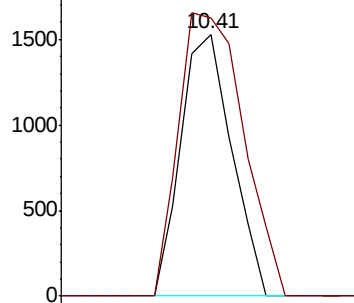
43 100

58 106.3 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: 37.684 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

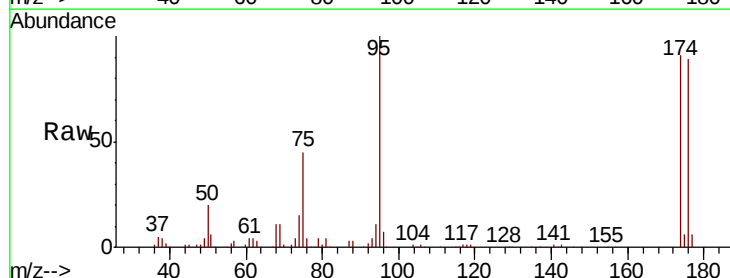
Tgt Ion: 95 Resp: 259686

Ion Ratio Lower Upper

95 100

174 91.3 0.0 181.8

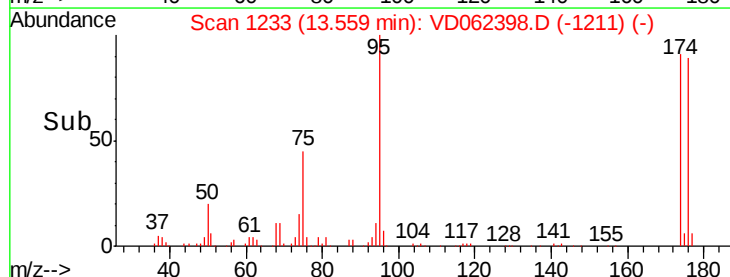
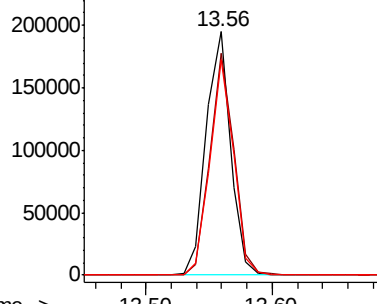
176 88.6 0.0 174.4

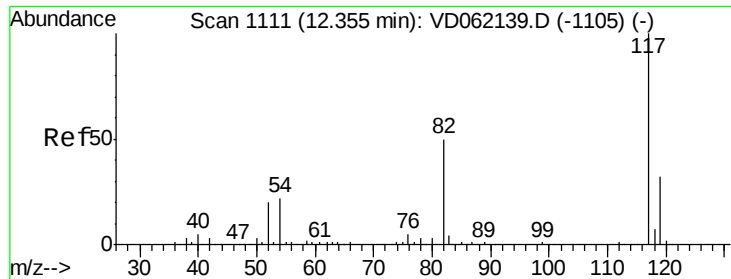


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

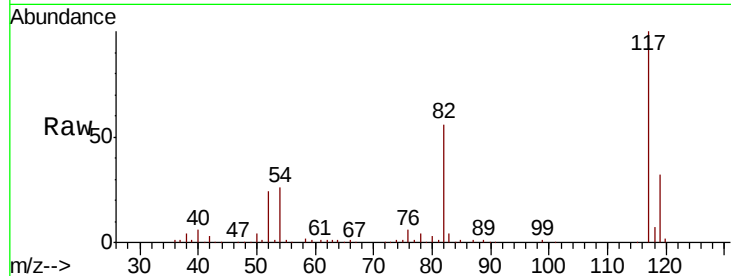




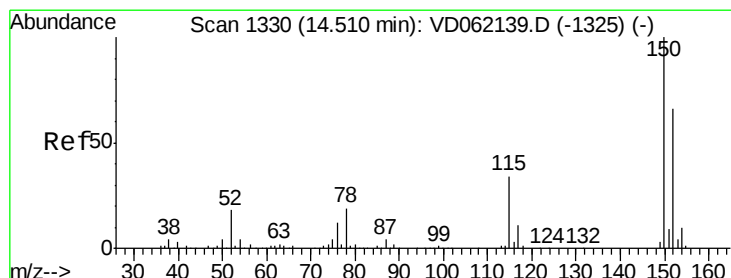
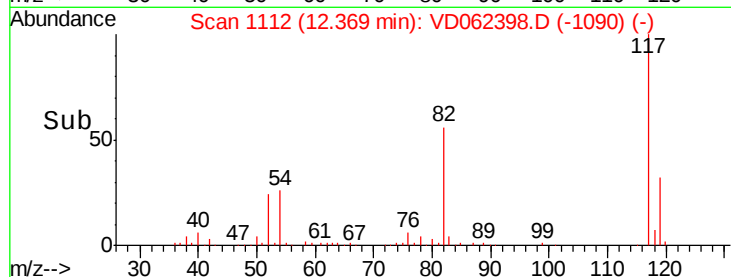
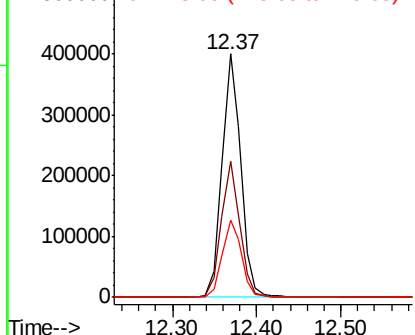
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062398.D
Acq: 15 May 2019 19:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 618549
Ion Ratio Lower Upper
117 100
82 55.8 36.2 54.2#
119 31.8 26.2 39.4

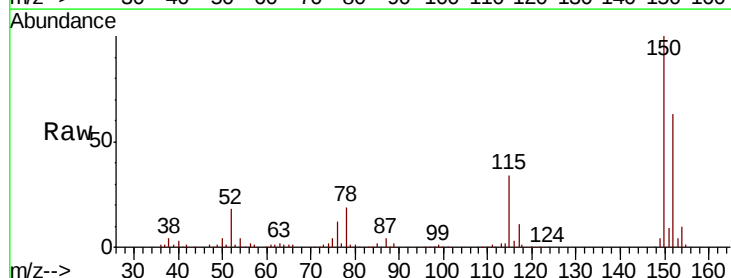


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

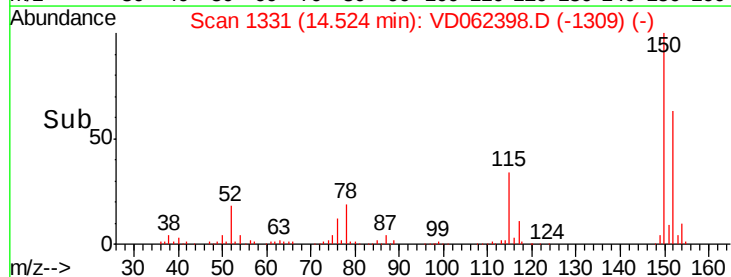
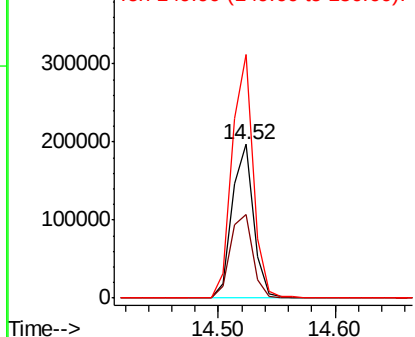


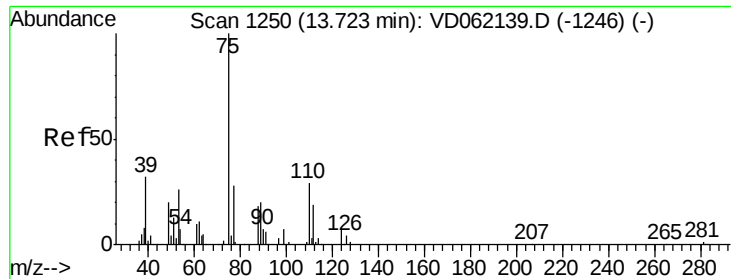
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062398.D
Acq: 15 May 2019 19:53

Tgt Ion:152 Resp: 251041
Ion Ratio Lower Upper
152 100
115 54.6 30.9 92.7
150 158.7 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: 37.047 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

Instrument :

MSVOA_D

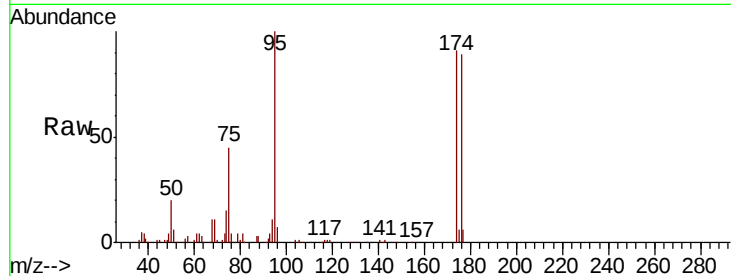
ClientSampleId :

Tot Ion: 75 Resp: 110526

Ion Ratio Lower Upper

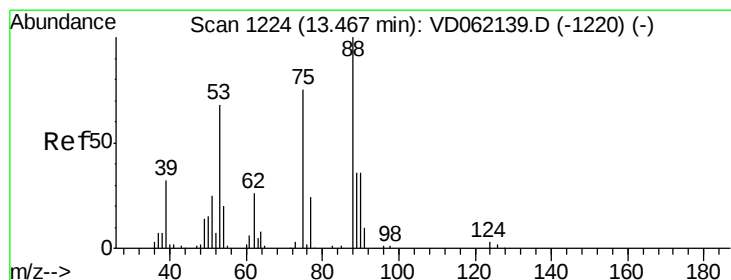
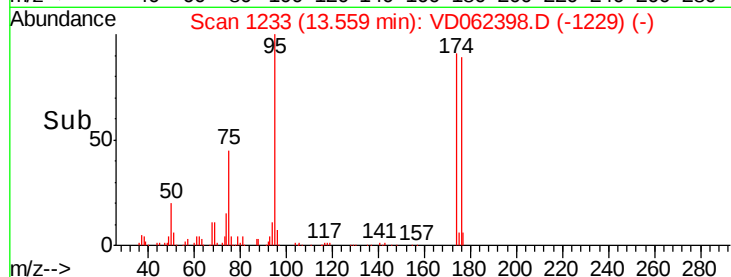
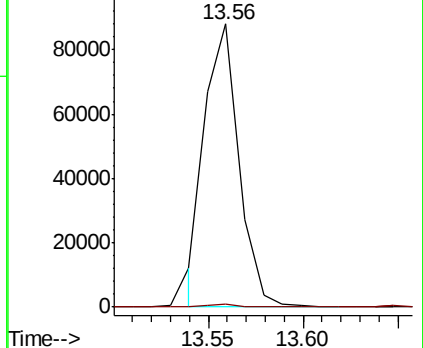
75 100

77 1.1 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: 140.007 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062398.D

Acq: 15 May 2019 19:53

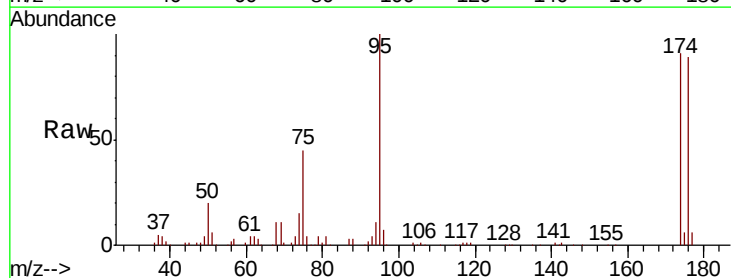
Tgt Ion: 75 Resp: 117919

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

