

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062798.D
 Acq On : 20 Jun 2019 17:10
 Operator : VA/AP
 Sample : K3447-02RE
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 21 06:35:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	738849	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	1017773	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	715082	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	296845	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	404325	50.34	ug/l	0.03
Spiked Amount 50.000			Recovery	=	100.68%	
35) Dibromofluoromethane	6.96	113	420139	48.96	ug/l	0.03
Spiked Amount 50.000			Recovery	=	97.92%	
50) Toluene-d8	10.44	98	714183	38.24	ug/l	0.03
Spiked Amount 50.000			Recovery	=	76.48%	
62) 4-Bromofluorobenzene	13.57	95	340376	40.08	ug/l	0.02
Spiked Amount 50.000			Recovery	=	80.16%	

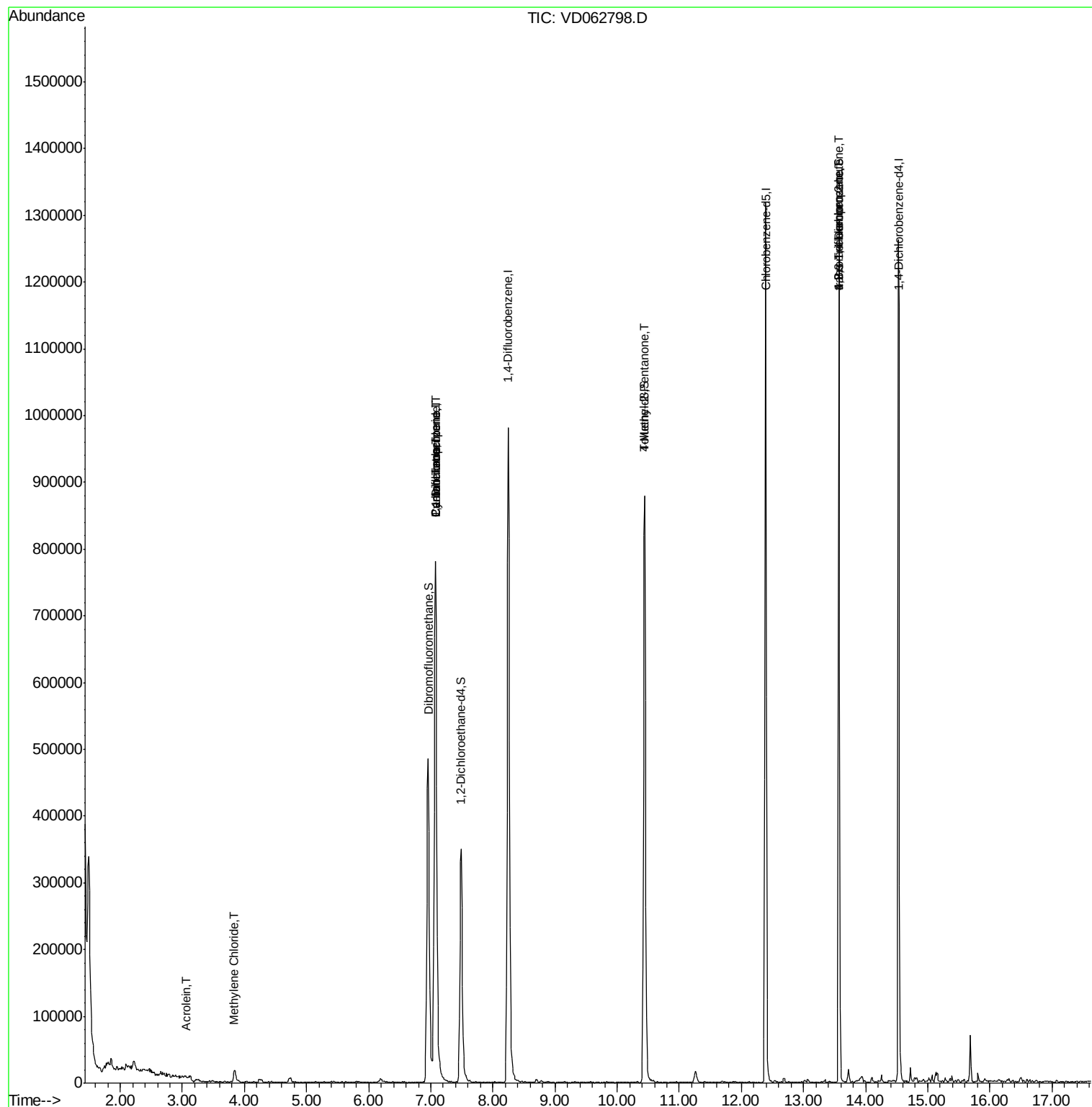
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.06	56	511	1.368	ug/l #	15
16) Acetone	3.26	43	8006	Below Cal	#	64
20) Methylene Chloride	3.84	84	11257	1.838	ug/l #	78
31) Cyclohexane	7.07	56	16617	2.203	ug/l #	5
36) 1,1-Dichloropropene	7.08	75	58002	6.020	ug/l #	54
37) Ethyl Acetate	6.20	43	253	Below Cal	#	69
38) Carbon Tetrachloride	7.08	117	72856	5.028	ug/l #	17
51) 4-Methyl-2-Pentanone	10.44	43	4202	1.173	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	154746	45.157	ug/l #	47
81) trans-1,4-Dichloro-2-buten	13.57	75	163342	181.869	ug/l #	2

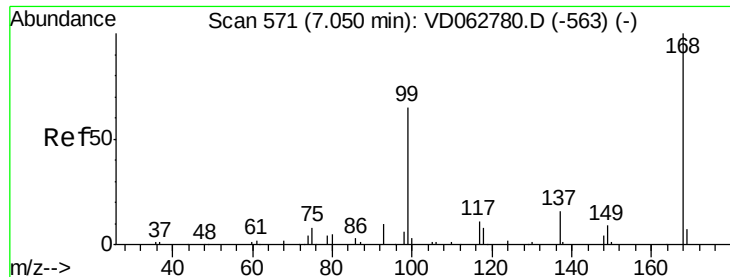
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Jun 21 06:35:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD062798.D

Acq: 20 Jun 2019 17:10

Instrument :

MSVOA_D

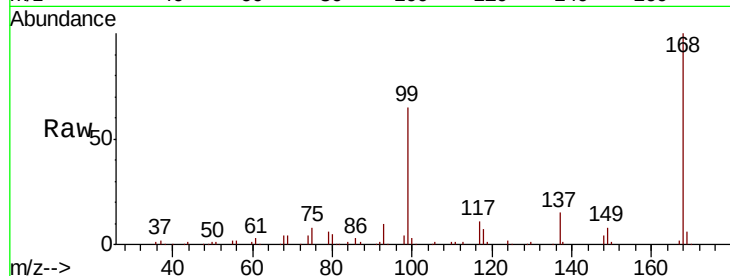
ClientSampled :

Tot Ion:168 Resp: 738849

Ion Ratio Lower Upper

168 100

99 64.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

250000

200000

150000

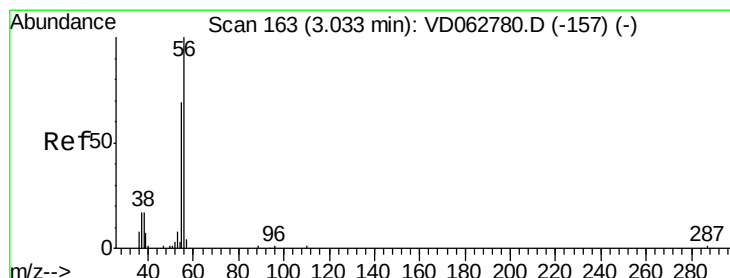
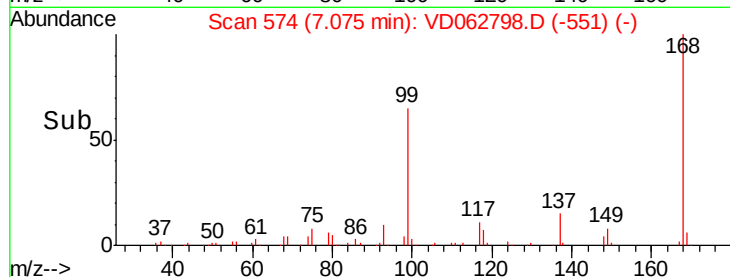
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#13

Acrolein

Concen: 1.368 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD062798.D

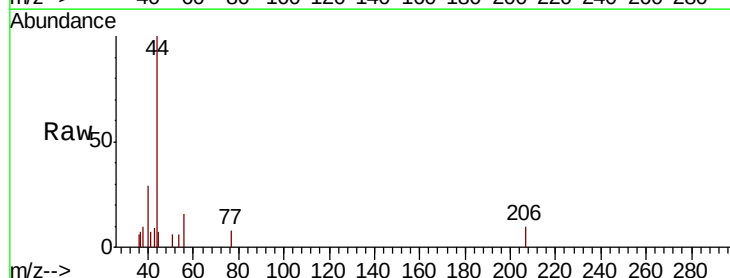
Acq: 20 Jun 2019 17:10

Tgt Ion: 56 Resp: 511

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.06

1000

800

600

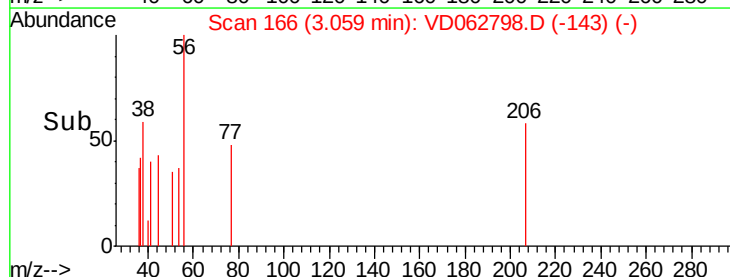
400

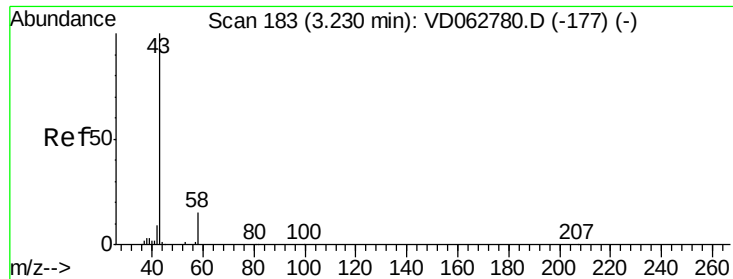
200

0

Time-->

3.04 3.06 3.08

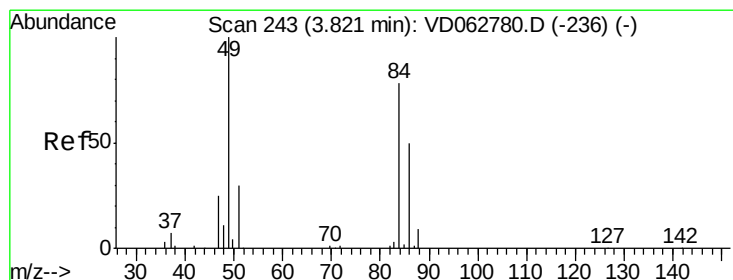
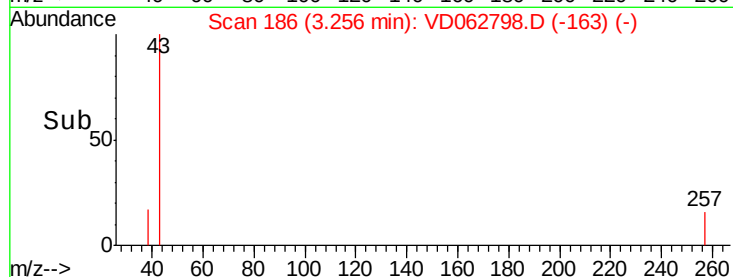
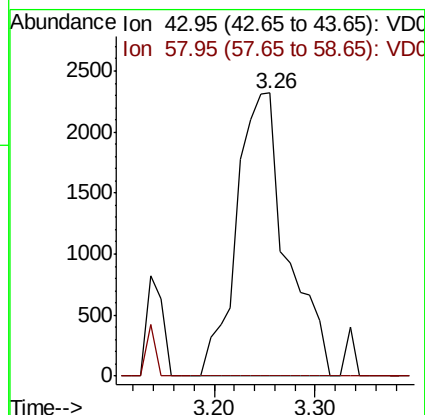
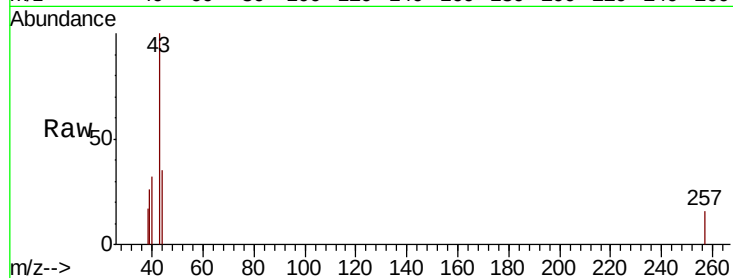




#16
Acetone
Concen: Below Cal
RT: 3.26 min Scan# 186
Delta R.T. 0.03 min
Lab File: VD062798.D
Acq: 20 Jun 2019 17:10

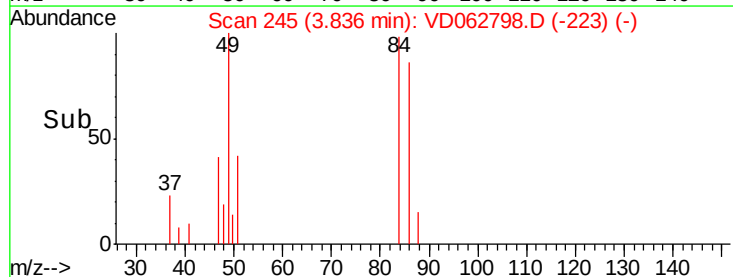
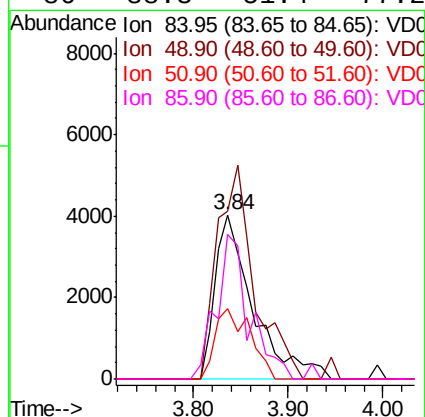
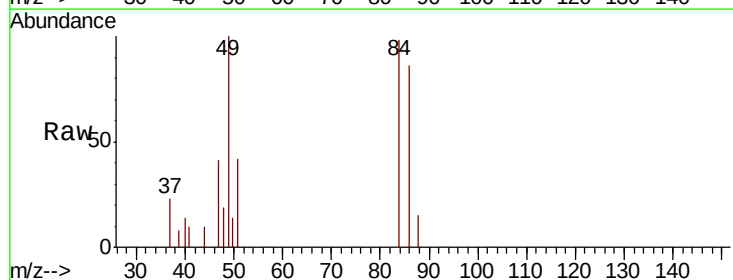
Instrument :
MSVOA_D
ClientSampleId :

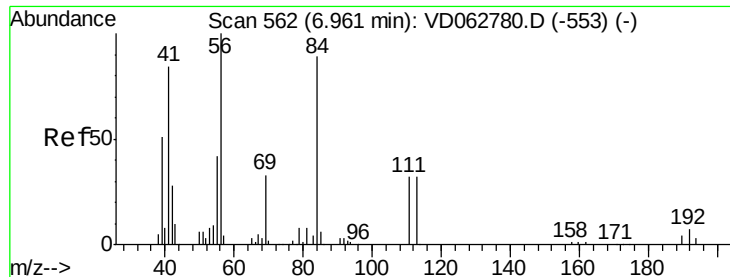
Tot Ion: 43 Resp: 8006
Ion Ratio Lower Upper
43 100
58 0.0 11.9 17.9#



#20
Methylene Chloride
Concen: 1.838 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD062798.D
Acq: 20 Jun 2019 17:10

Tgt Ion: 84 Resp: 11257
Ion Ratio Lower Upper
84 100
49 102.4 102.9 154.3#
51 42.7 31.2 46.8
86 88.3 51.4 77.2#

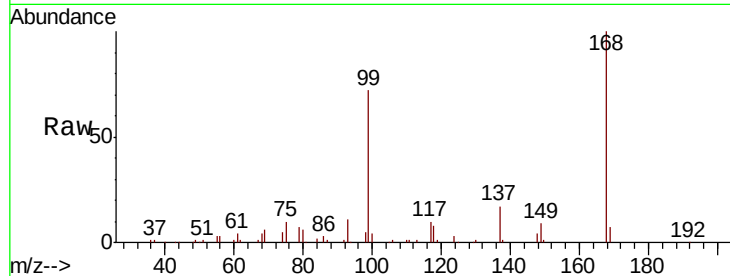




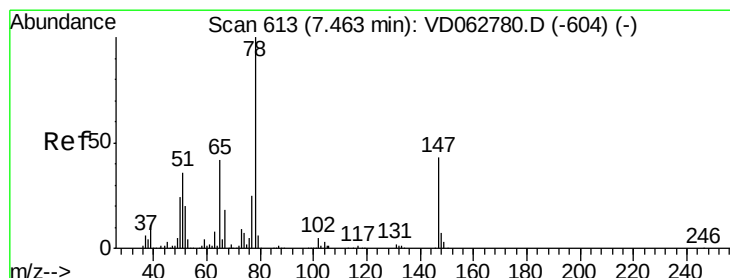
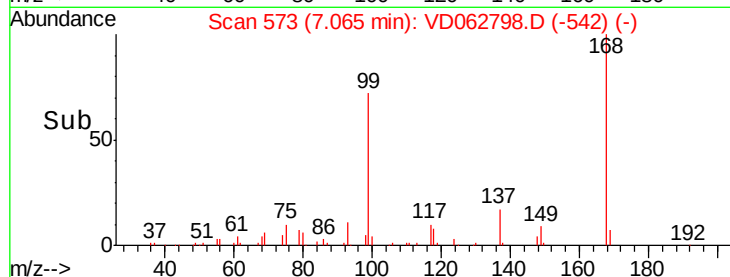
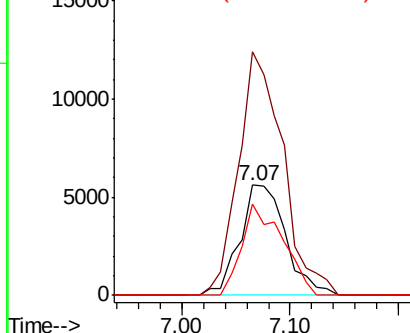
#31
Cyclohexane
Concen: 2.203 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.10 min
Lab File: VD062798.D
Acq: 20 Jun 2019 17:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 16617
Ion Ratio Lower Upper
56 100
69 221.3 26.6 39.8#
84 83.4 75.5 113.3

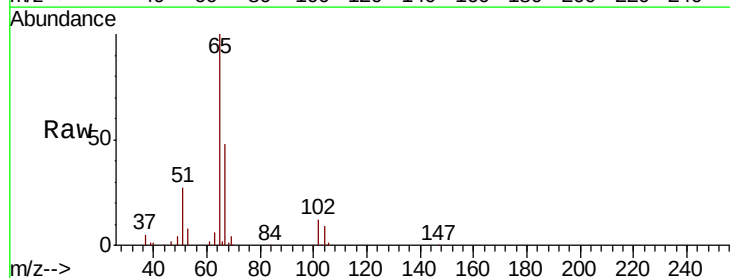


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

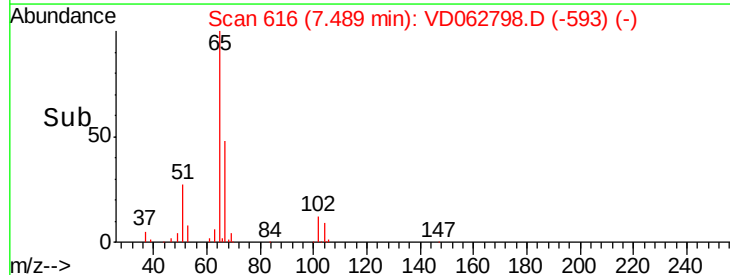
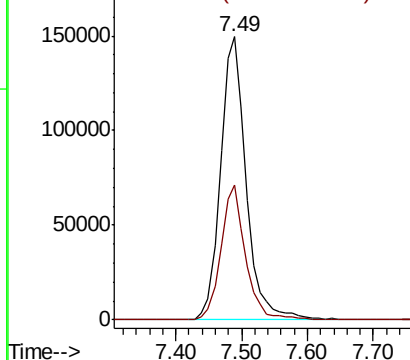


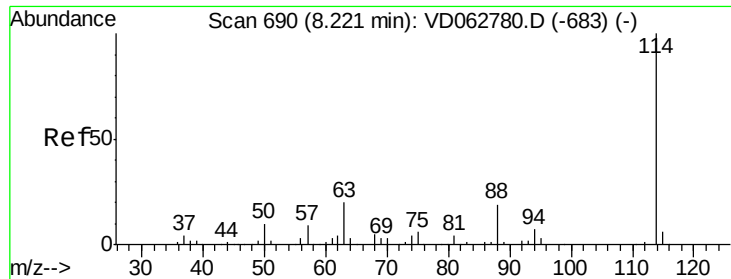
#33
1,2-Dichloroethane-d4
Concen: 50.344 ug/l
RT: 7.49 min Scan# 616
Delta R.T. 0.03 min
Lab File: VD062798.D
Acq: 20 Jun 2019 17:10

Tgt Ion: 65 Resp: 404325
Ion Ratio Lower Upper
65 100
67 47.7 0.0 87.4



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

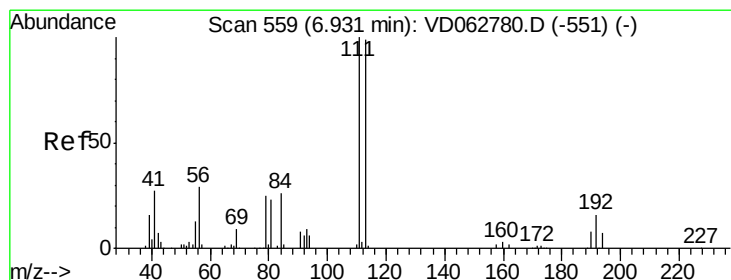
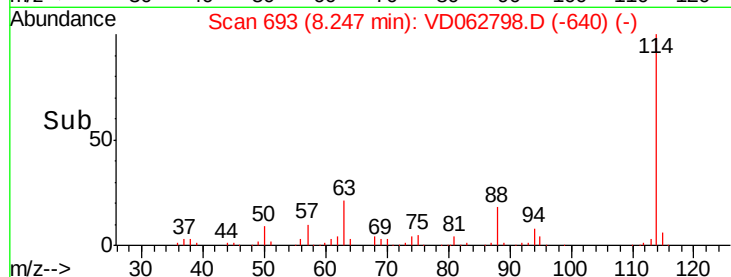
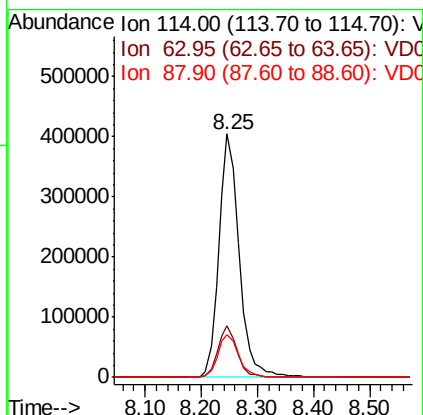
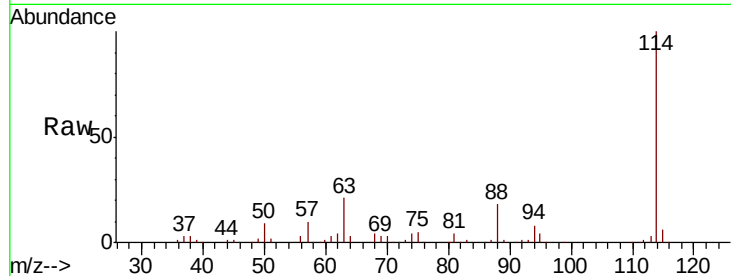




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD062798.D
 Acq: 20 Jun 2019 17:10

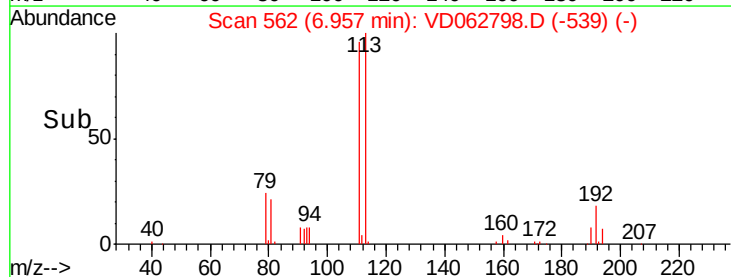
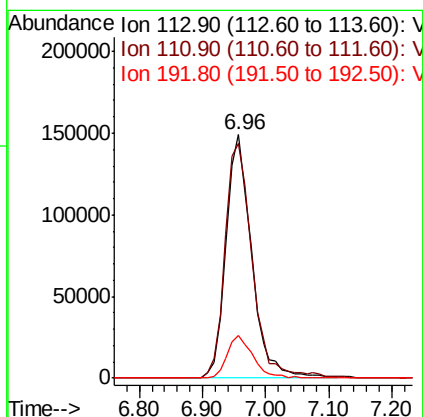
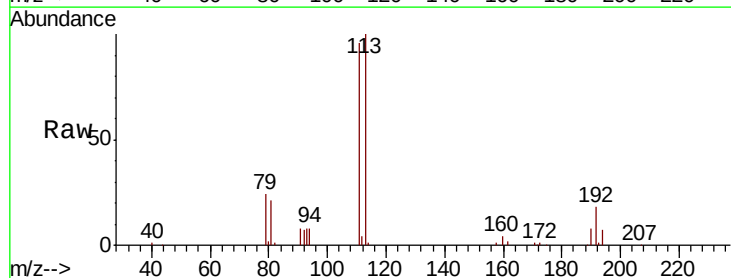
Instrument :
 MSVOA_D
 ClientSampleId :

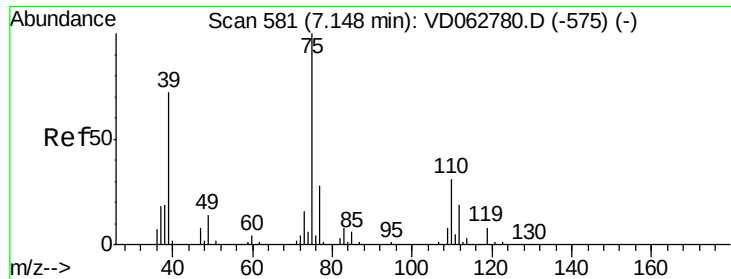
Tot Ion:114 Resp: 1017773
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.0
 88 17.7 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 48.957 ug/l
 RT: 6.96 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD062798.D
 Acq: 20 Jun 2019 17:10

Tgt Ion:113 Resp: 420139
 Ion Ratio Lower Upper
 113 100
 111 96.4 81.2 121.8
 192 17.7 12.9 19.3

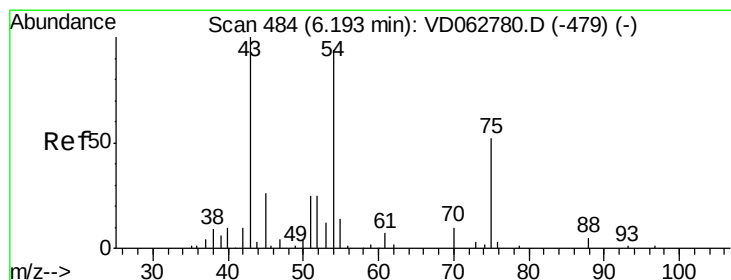
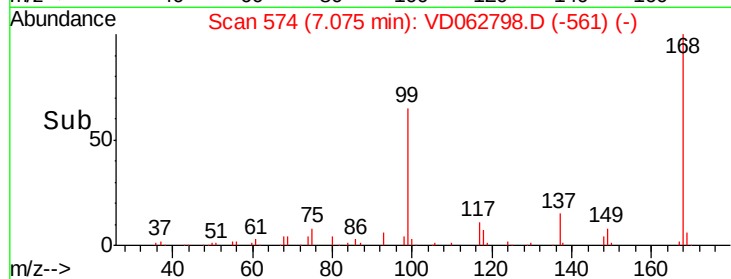
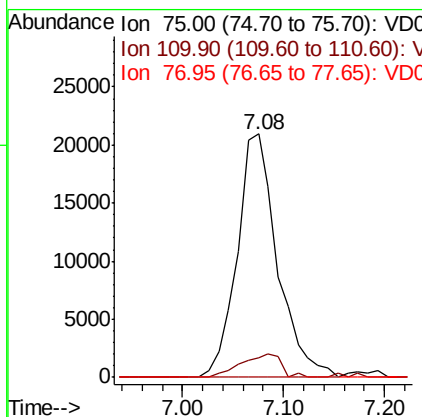
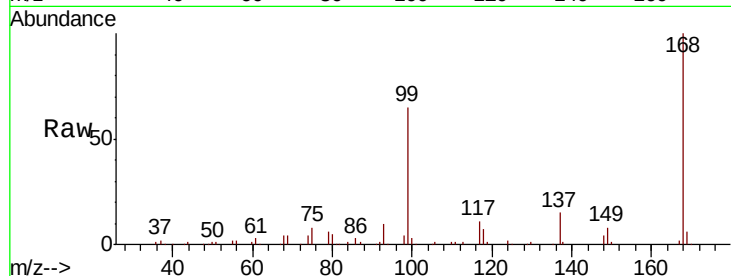




#36
 1,1-Dichloropropene
 Concen: 6.020 ug/l
 RT: 7.08 min Scan# 574
 Delta R.T. -0.07 min
 Lab File: VD062798.D
 Acq: 20 Jun 2019 17:10

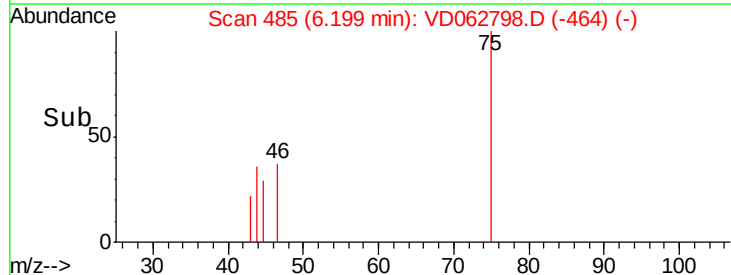
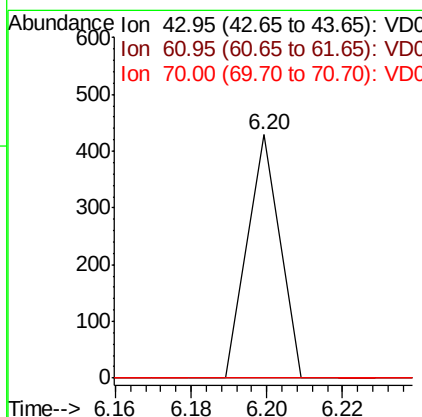
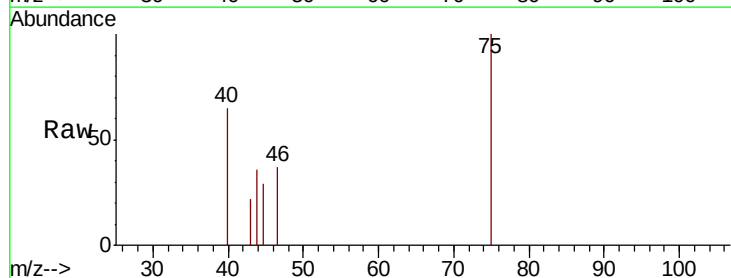
Instrument :
 MSVOA_D
 ClientSampleId :

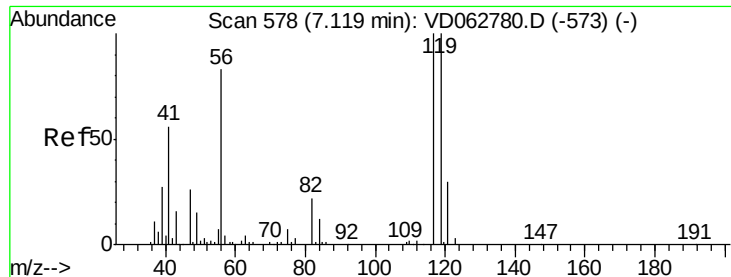
Tot Ion: 75 Resp: 58002
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.0 45.1#
 77 0.0 22.2 33.2#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 6.20 min Scan# 485
 Delta R.T. 0.01 min
 Lab File: VD062798.D
 Acq: 20 Jun 2019 17:10

Tgt Ion: 43 Resp: 253
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.6 17.4#
 70 0.0 6.4 9.6#





#38

Carbon Tetrachloride

Concen: 5.028 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD062798.D

Acq: 20 Jun 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

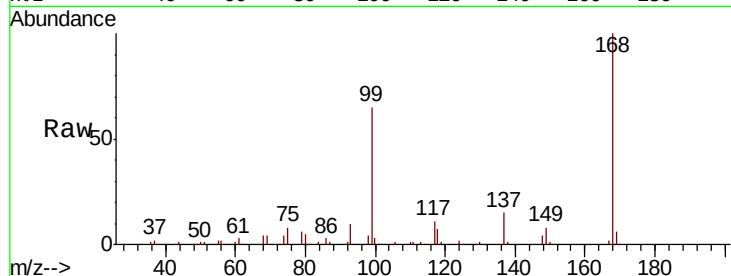
Tot Ion:117 Resp: 72856

Ion Ratio Lower Upper

117 100

119 5.1 75.4 113.2#

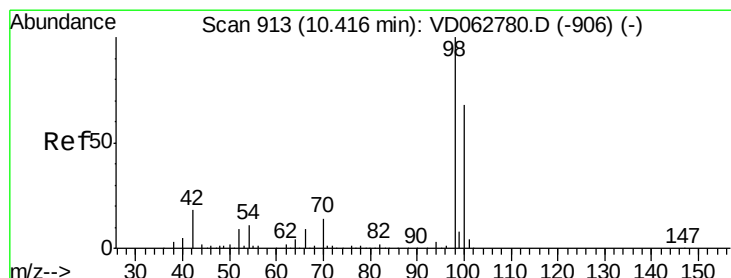
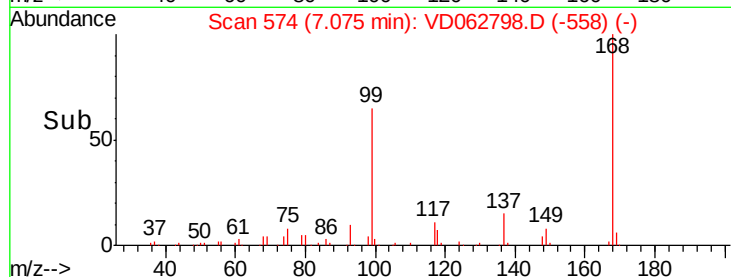
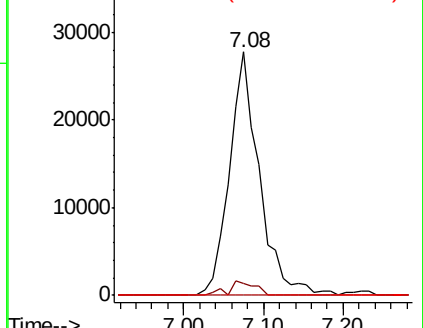
121 0.0 22.3 33.5#



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: 38.237 ug/l

RT: 10.44 min Scan# 916

Delta R.T. 0.03 min

Lab File: VD062798.D

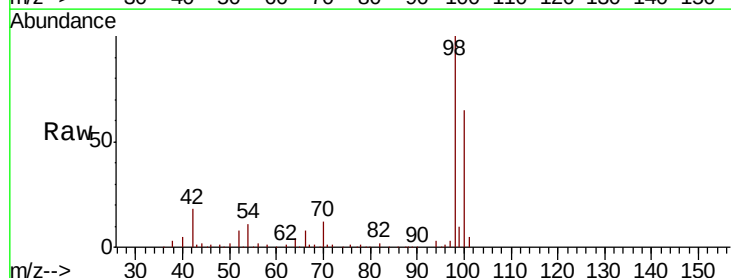
Acq: 20 Jun 2019 17:10

Tgt Ion: 98 Resp: 714183

Ion Ratio Lower Upper

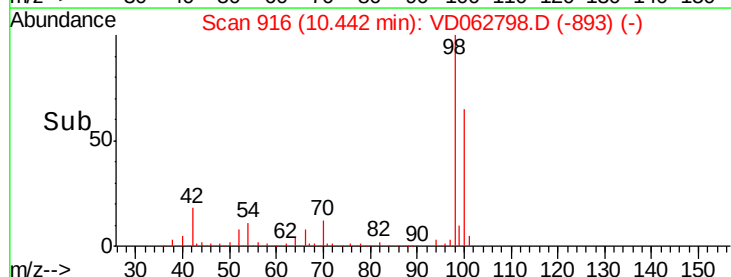
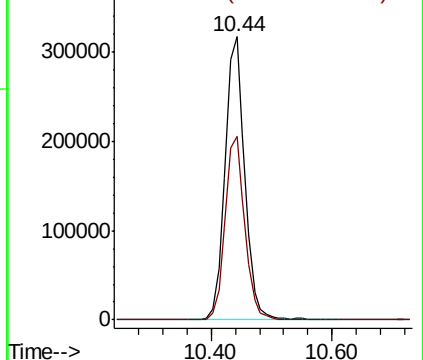
98 100

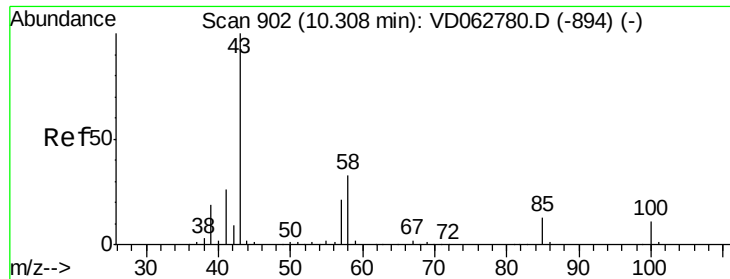
100 64.7 54.7 82.1



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: 1.173 ug/l

RT: 10.44 min Scan# 916

Delta R.T. 0.13 min

Lab File: VD062798.D

Acq: 20 Jun 2019 17:10

Instrument :

MSVOA_D

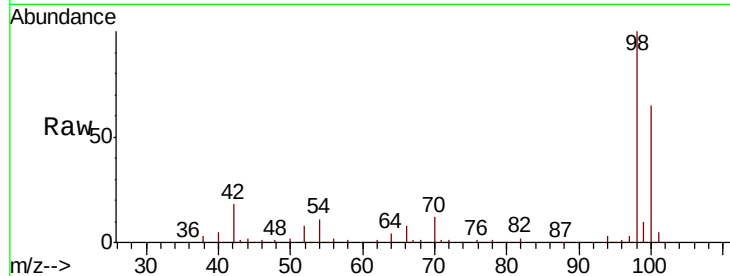
ClientSampleId :

Tot Ion: 43 Resp: 4202

Ion Ratio Lower Upper

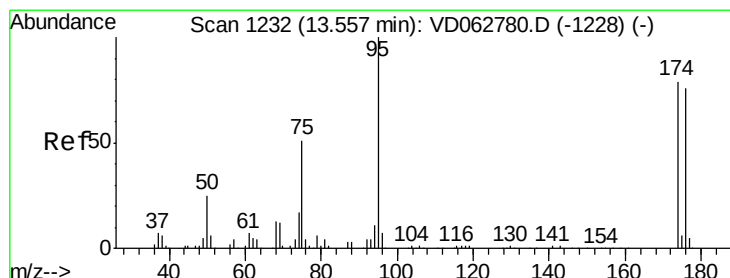
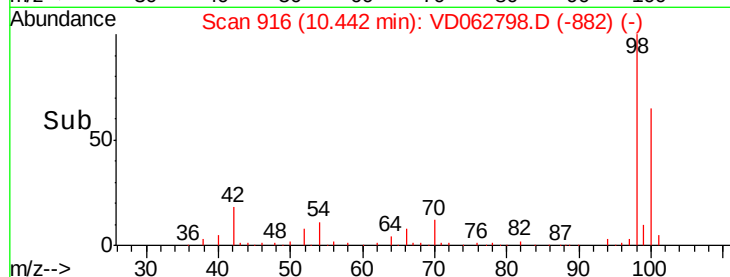
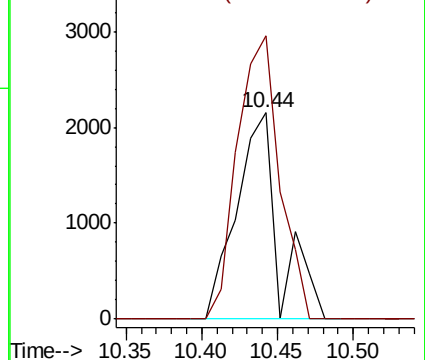
43 100

58 137.2 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 40.077 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062798.D

Acq: 20 Jun 2019 17:10

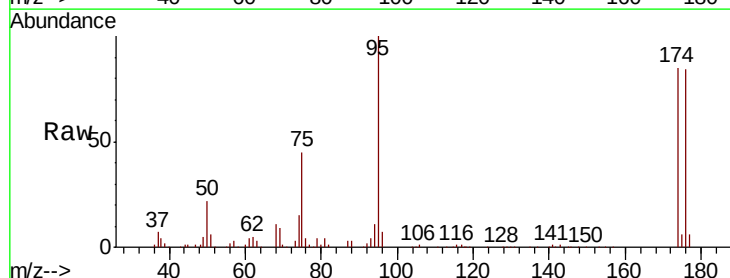
Tgt Ion: 95 Resp: 340376

Ion Ratio Lower Upper

95 100

174 84.9 0.0 158.0

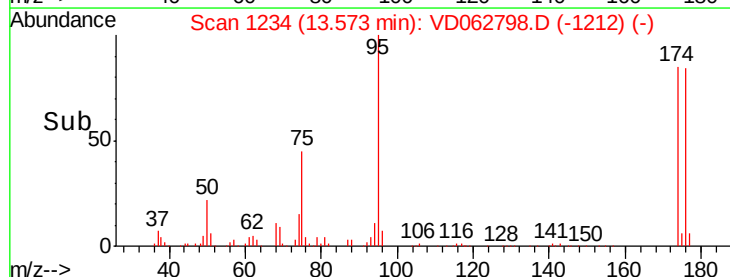
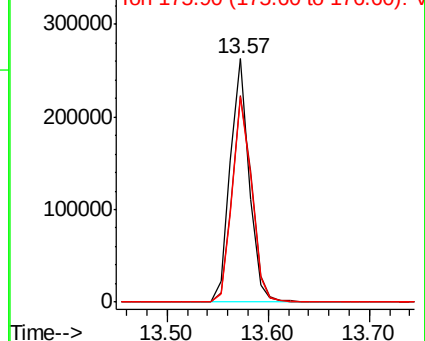
176 84.2 0.0 151.6

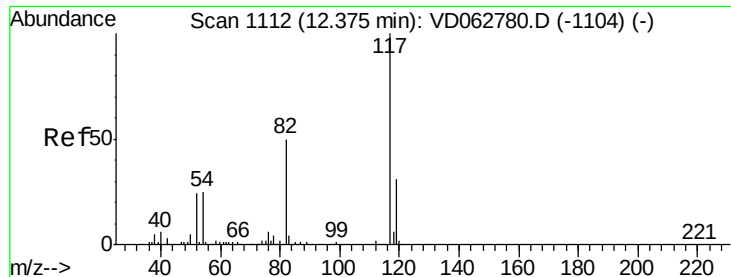


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

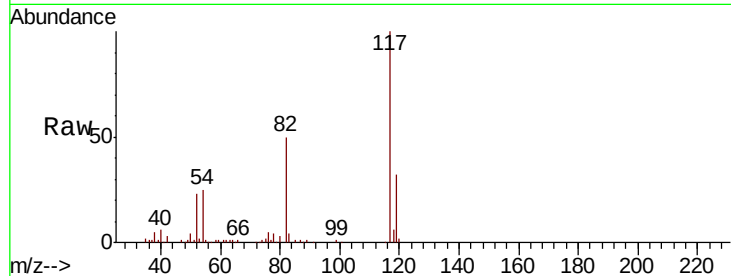




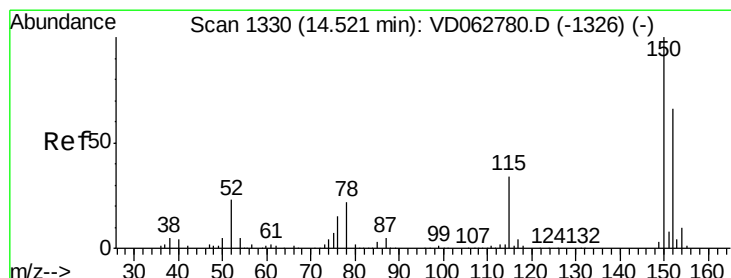
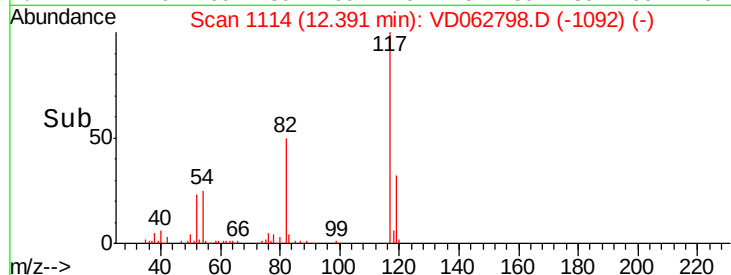
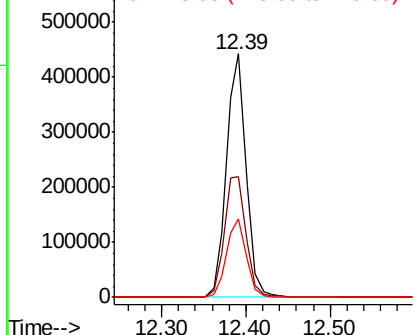
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD062798.D
Acq: 20 Jun 2019 17:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 715082
Ion Ratio Lower Upper
117 100
82 49.6 40.4 60.6
119 32.2 25.2 37.8

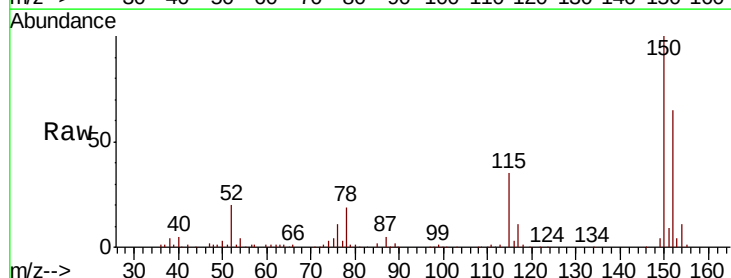


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

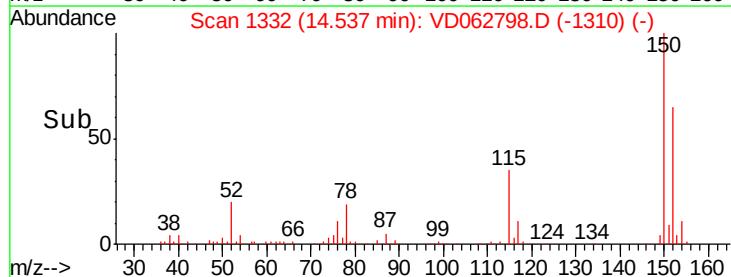
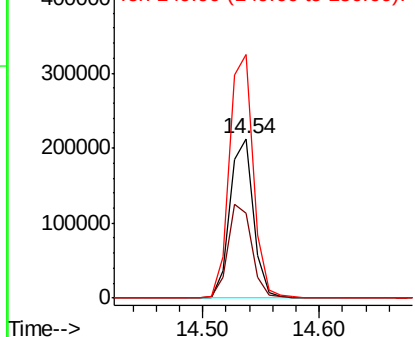


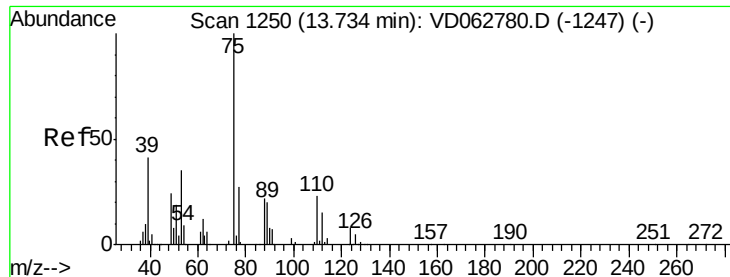
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.54 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062798.D
Acq: 20 Jun 2019 17:10

Tgt Ion:152 Resp: 296845
Ion Ratio Lower Upper
152 100
115 53.2 29.2 87.6
150 153.0 0.0 305.8



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: 45.157 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062798.D

Acq: 20 Jun 2019 17:10

Instrument :

MSVOA_D

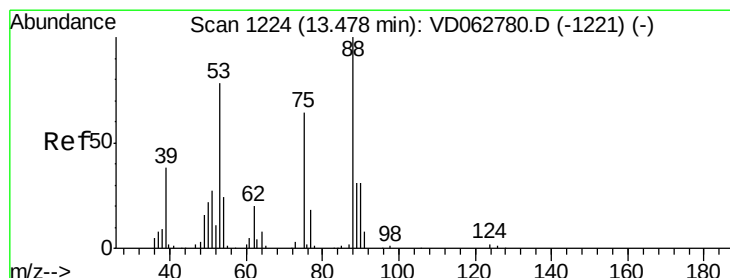
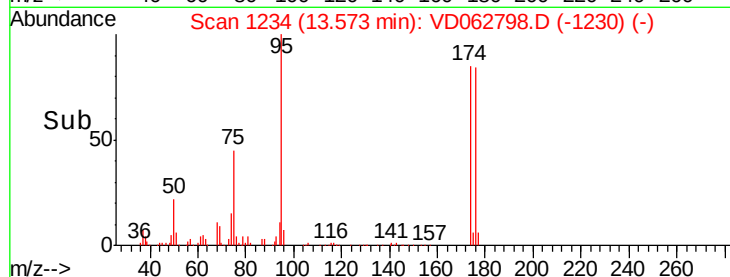
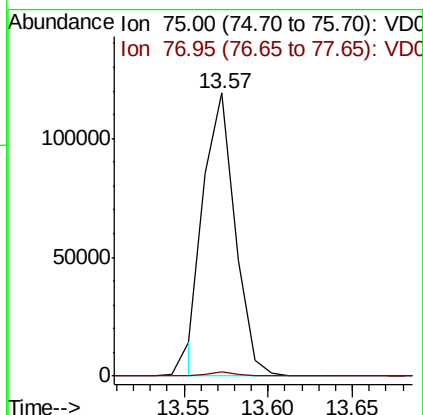
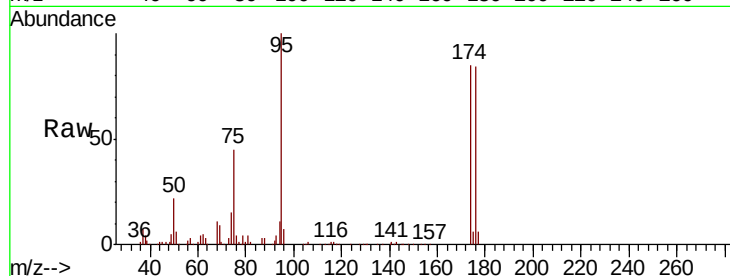
ClientSampled :

Tot Ion: 75 Resp: 154746

Ion Ratio Lower Upper

75 100

77 1.3 15.0 45.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 181.869 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD062798.D

Acq: 20 Jun 2019 17:10

Tgt Ion: 75 Resp: 163342

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

