

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062794.D
 Acq On : 20 Jun 2019 15:21
 Operator : VA/AP
 Sample : K3447-07RE
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 21 06:35:03 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

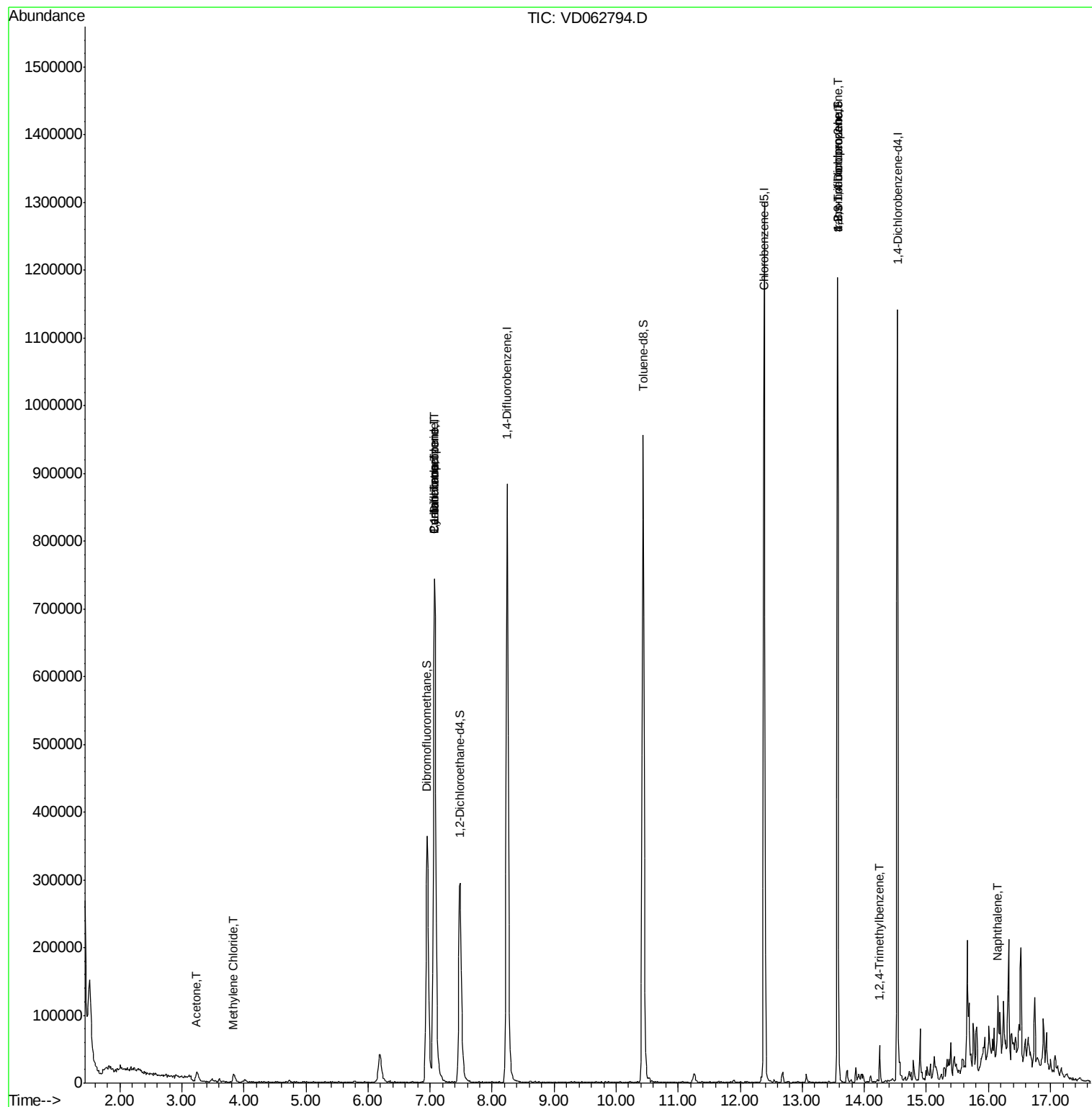
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	694446	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	912724	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.39	117	653488	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	235797	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	353137	46.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.56%	
35) Dibromofluoromethane	6.95	113	317309	41.23	ug/l	0.02
Spiked Amount 50.000			Recovery	=	82.46%	
50) Toluene-d8	10.44	98	770331	45.99	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	13.57	95	313161	41.12	ug/l	0.01
Spiked Amount 50.000			Recovery	=	82.24%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	29097	12.358	ug/l #	77
20) Methylene Chloride	3.83	84	6817	1.184	ug/l	92
31) Cyclohexane	7.07	56	14803	2.088	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	53322	6.171	ug/l #	52
37) Ethyl Acetate	6.19	43	3009	Below Cal	#	46
38) Carbon Tetrachloride	7.07	117	70984	5.463	ug/l #	15
76) 1,2,3-Trichloropropane	13.57	75	124197	45.625	ug/l #	47
81) trans-1,4-Dichloro-2-buten	13.57	75	157275	220.451	ug/l #	2
84) 1,2,4-Trimethylbenzene	14.25	105	22672	1.742	ug/l	97
95) Naphthalene	16.14	128	8727	1.278	ug/l #	88

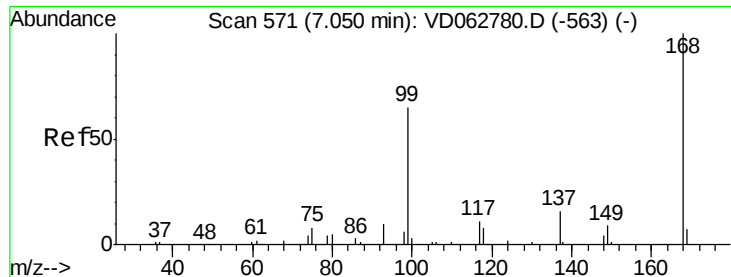
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062019\
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Misc : 5.03a/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 21 06:35:03 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: VD062794.D

Acq: 20 Jun 2019 15:21

Instrument :

MSVOA_D

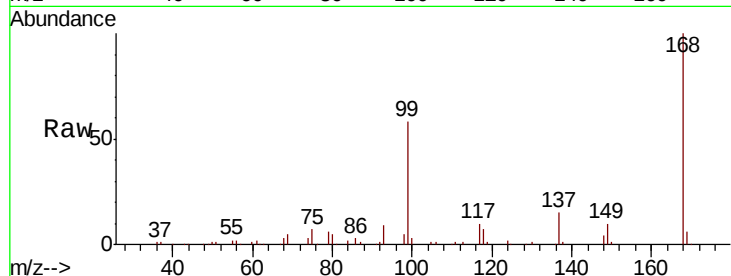
ClientSampled :

Tot Ion:168 Resp: 694446

Ion Ratio Lower Upper

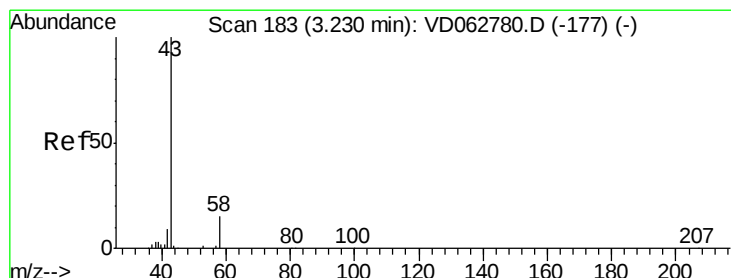
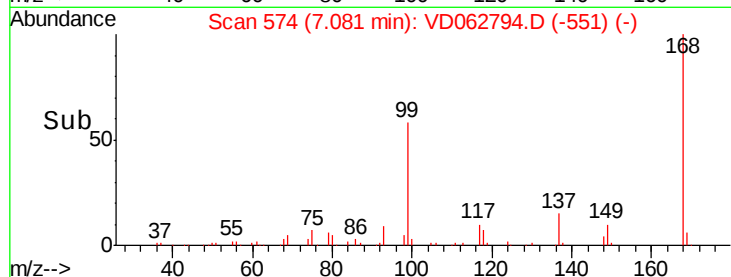
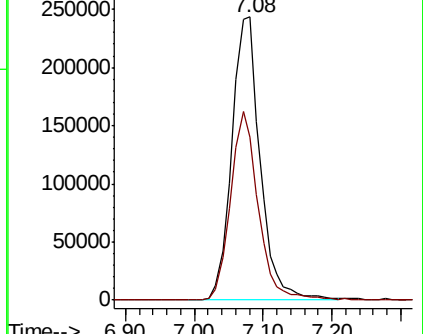
168 100

99 57.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 12.358 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062794.D

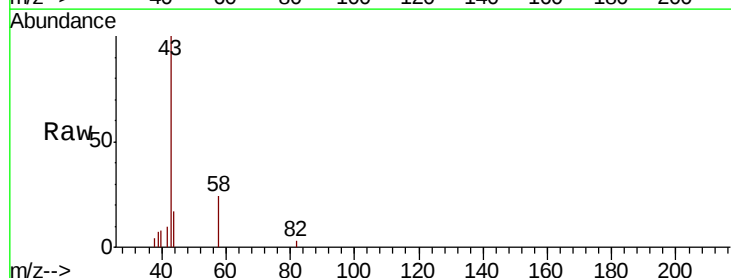
Acq: 20 Jun 2019 15:21

Tgt Ion: 43 Resp: 29097

Ion Ratio Lower Upper

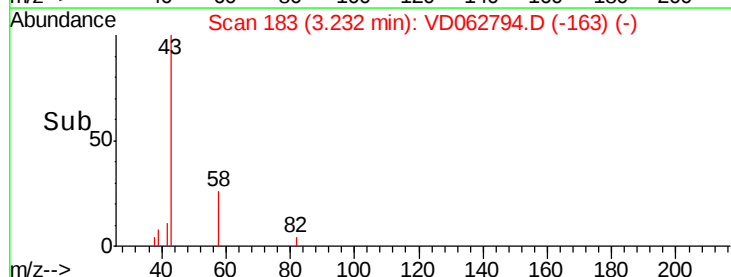
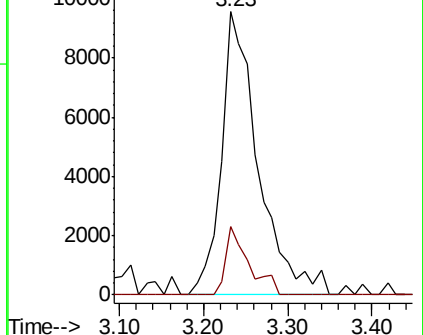
43 100

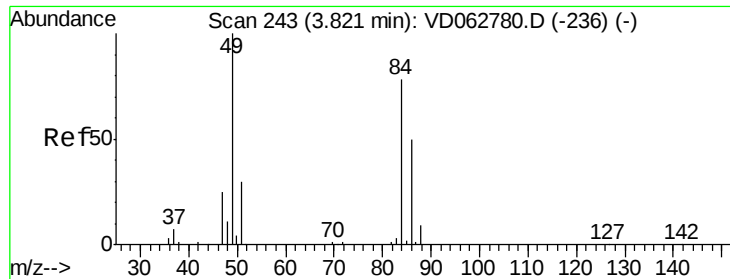
58 24.3 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

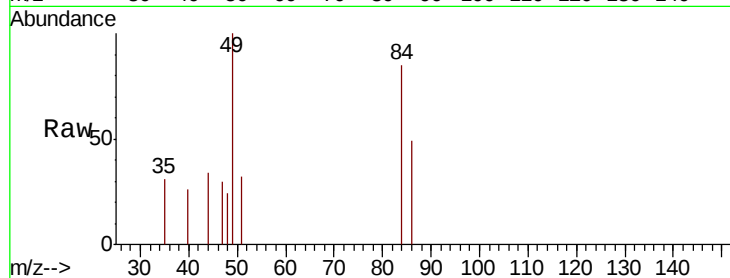




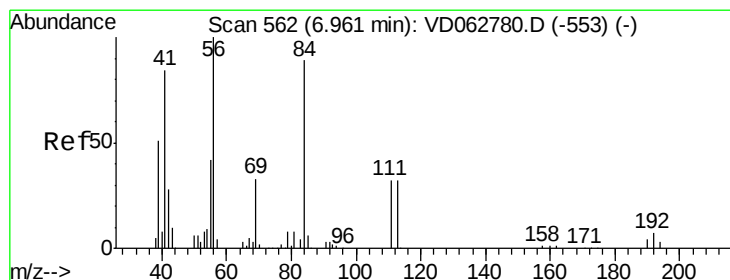
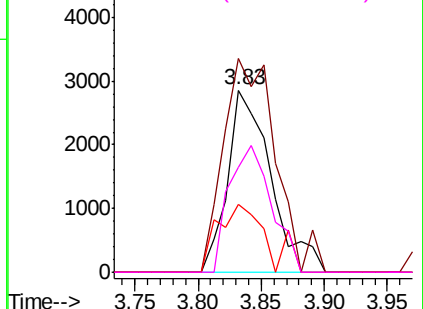
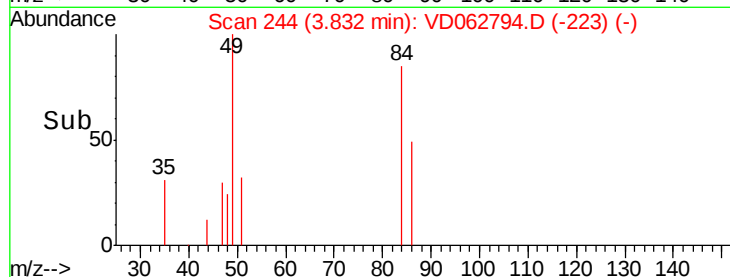
#20
Methvlene Chloride
Concen: 1.184 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062794.D
Acq: 20 Jun 2019 15:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 6817
Ion Ratio Lower Upper
84 100
49 117.5 102.9 154.3
51 37.4 31.2 46.8
86 58.1 51.4 77.2

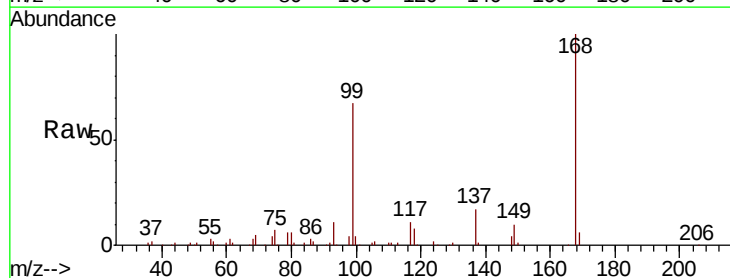


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

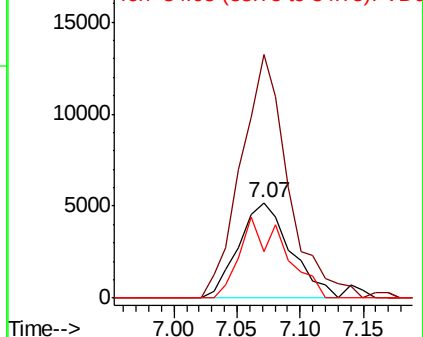
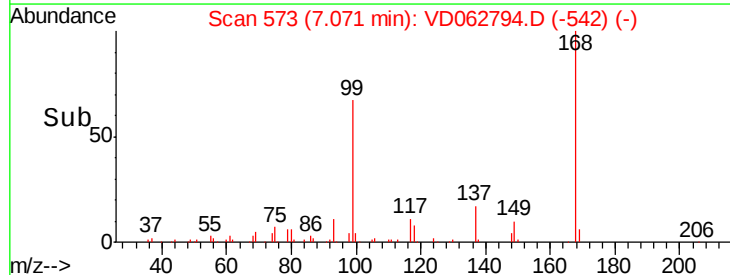


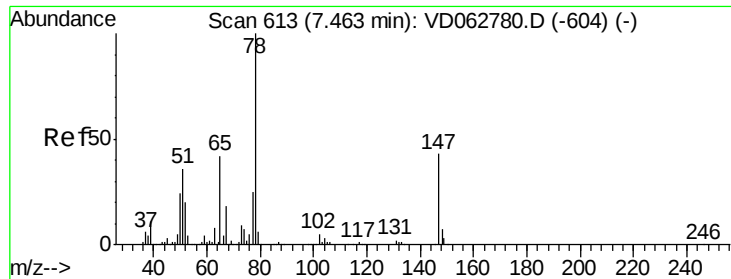
#31
Cyclohexane
Concen: 2.088 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD062794.D
Acq: 20 Jun 2019 15:21

Tgt Ion: 56 Resp: 14803
Ion Ratio Lower Upper
56 100
69 256.0 26.6 39.8#
84 49.4 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: 46.782 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062794.D

Acq: 20 Jun 2019 15:21

Instrument :

MSVOA_D

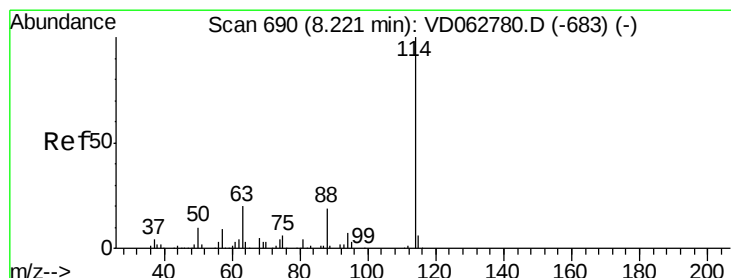
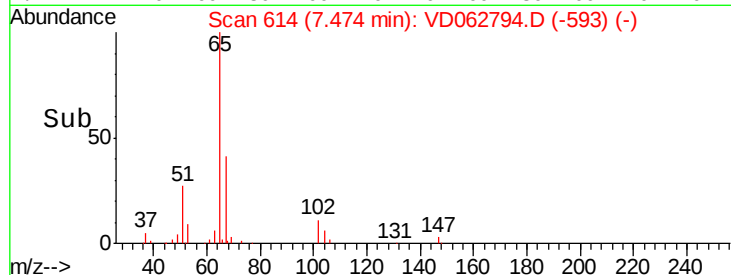
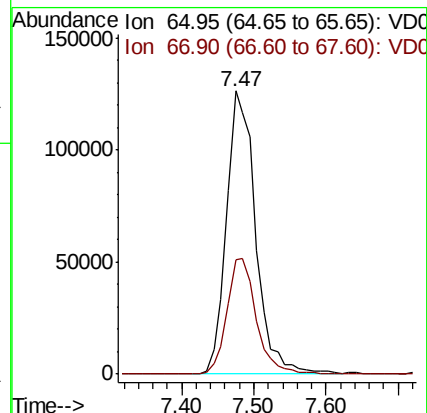
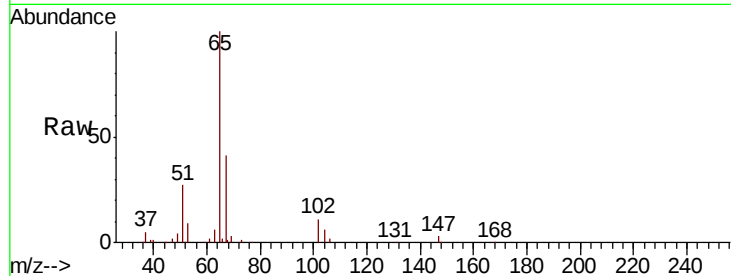
ClientSampled :

Tot Ion: 65 Resp: 353137

Ion Ratio Lower Upper

65 100

67 40.5 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD062794.D

Acq: 20 Jun 2019 15:21

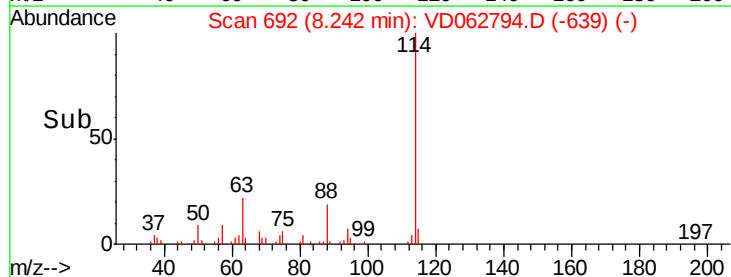
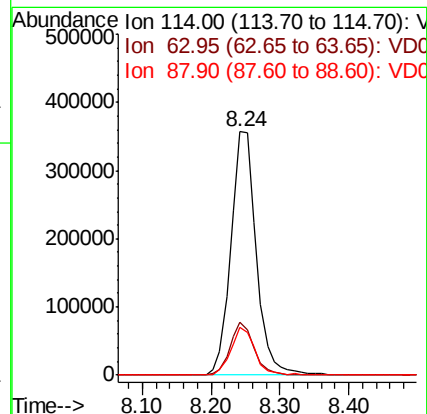
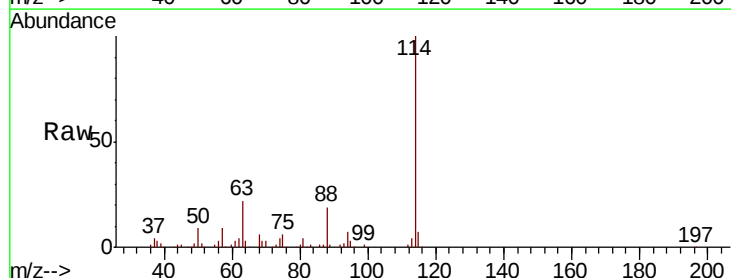
Tgt Ion: 114 Resp: 912724

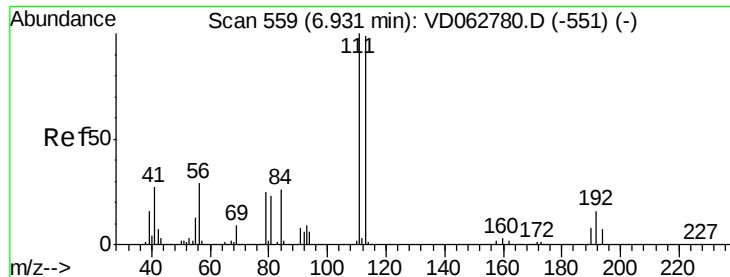
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 19.4 0.0 38.8





#35

Dibromofluoromethane

Concen: 41.230 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD062794.D

Acq: 20 Jun 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

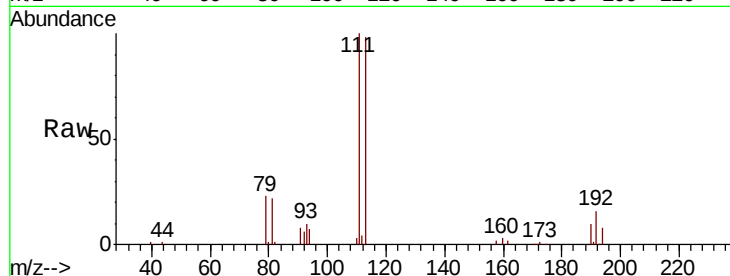
Tot Ion:113 Resp: 317309

Ion Ratio Lower Upper

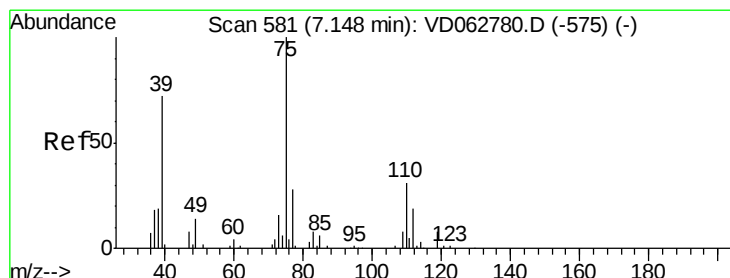
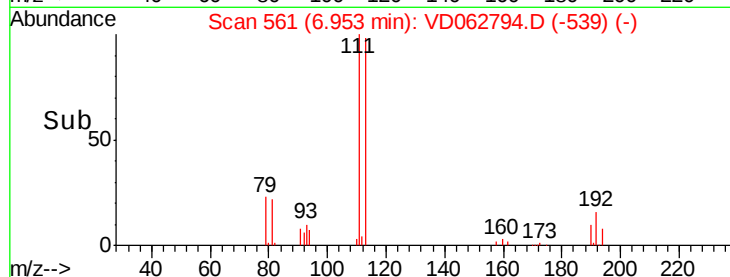
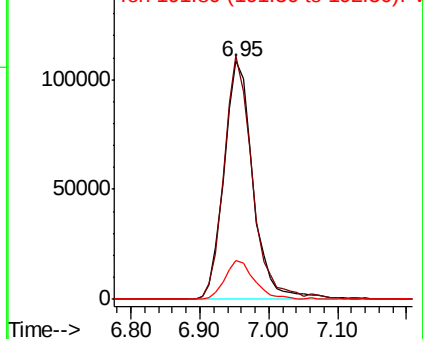
113 100

111 102.3 81.2 121.8

192 16.4 12.9 19.3



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: 6.171 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD062794.D

Acq: 20 Jun 2019 15:21

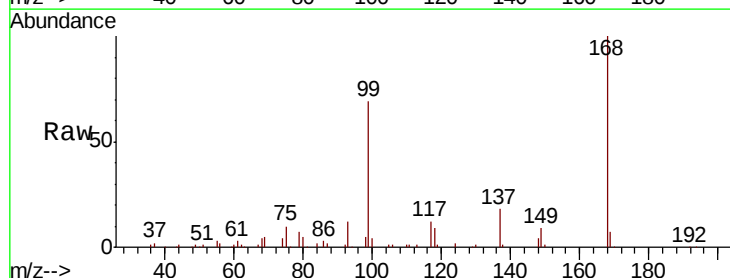
Tgt Ion: 75 Resp: 53322

Ion Ratio Lower Upper

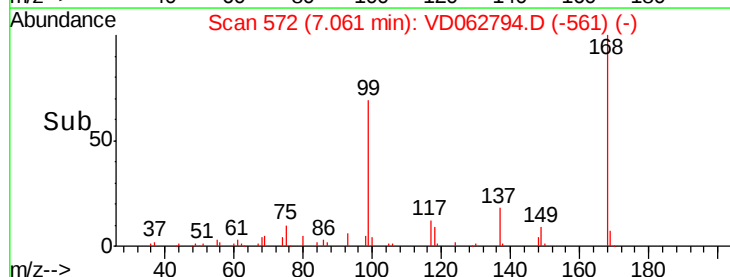
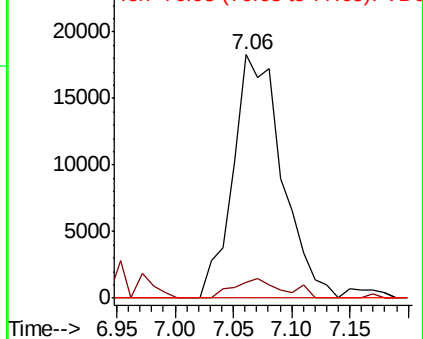
75 100

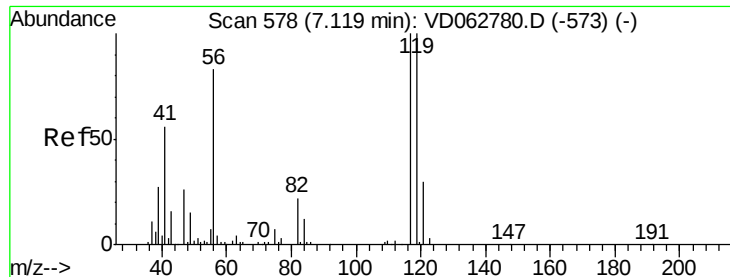
110 6.7 15.0 45.1#

77 0.0 22.2 33.2#



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: 5.463 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD062794.D

Acq: 20 Jun 2019 15:21

Instrument :

MSVOA_D

ClientSampled :

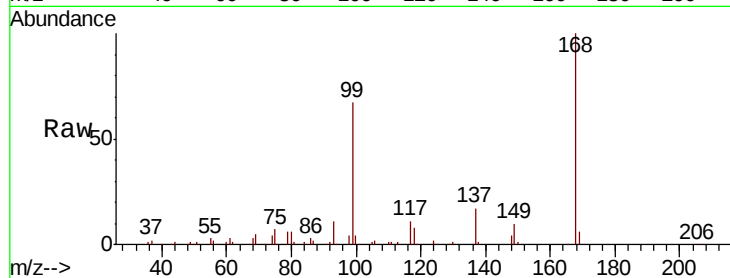
Tot Ion:117 Resp: 70984

Ion Ratio Lower Upper

117 100

119 3.2 75.4 113.2#

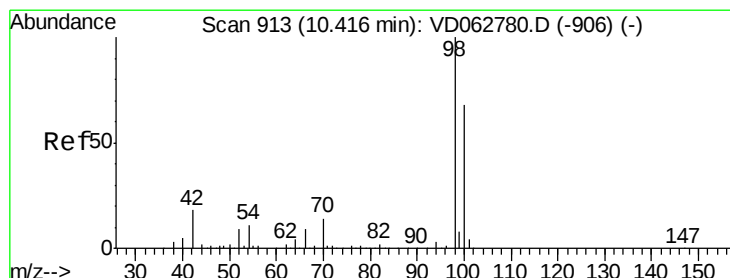
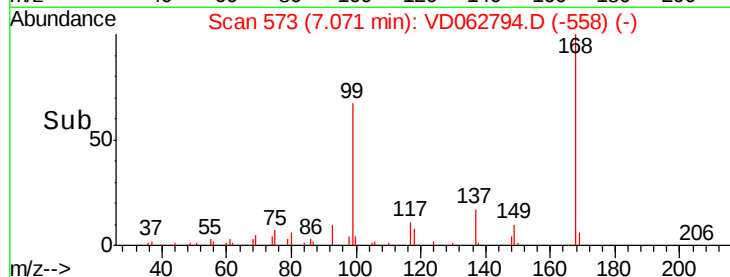
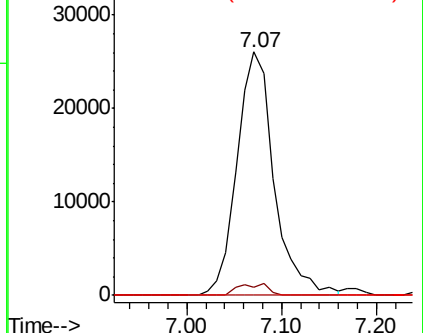
121 0.0 22.3 33.5#



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: 45.990 ug/l

RT: 10.44 min Scan# 915

Delta R.T. 0.02 min

Lab File: VD062794.D

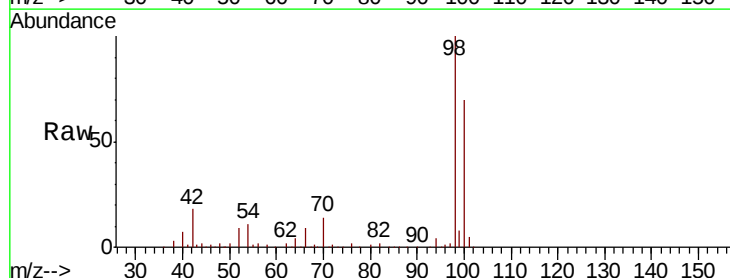
Acq: 20 Jun 2019 15:21

Tgt Ion: 98 Resp: 770331

Ion Ratio Lower Upper

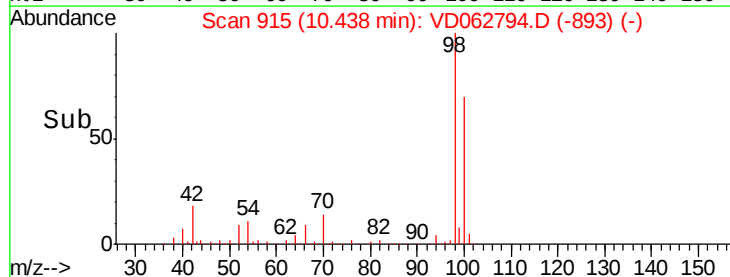
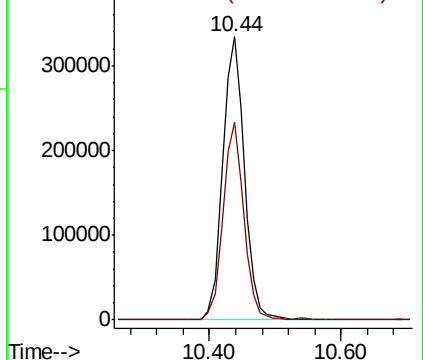
98 100

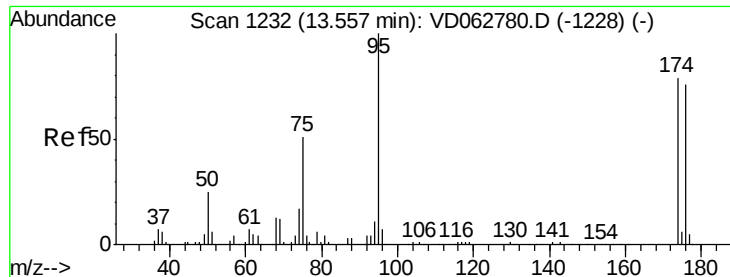
100 69.8 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 41.117 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062794.D

Acq: 20 Jun 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

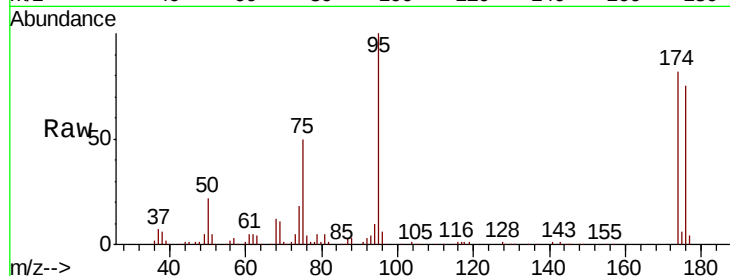
Tot Ion: 95 Resp: 313161

Ion Ratio Lower Upper

95 100

174 81.7 0.0 158.0

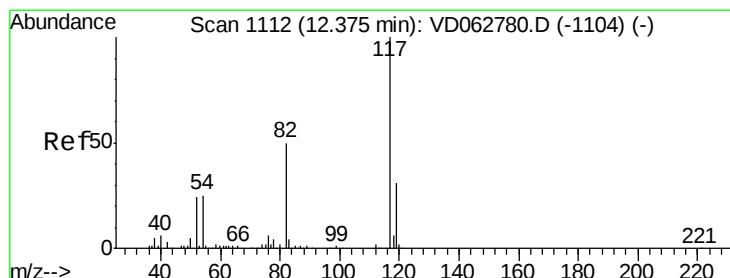
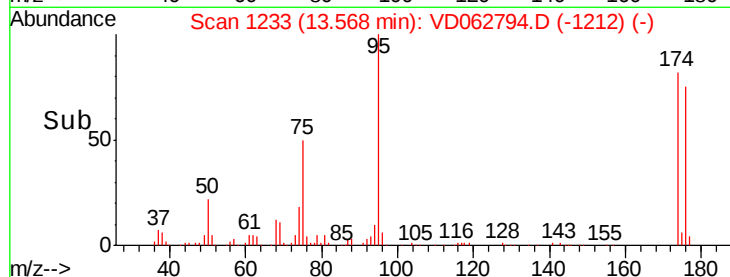
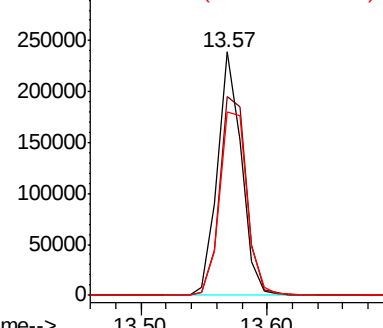
176 75.2 0.0 151.6



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: 12.39 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD062794.D

Acq: 20 Jun 2019 15:21

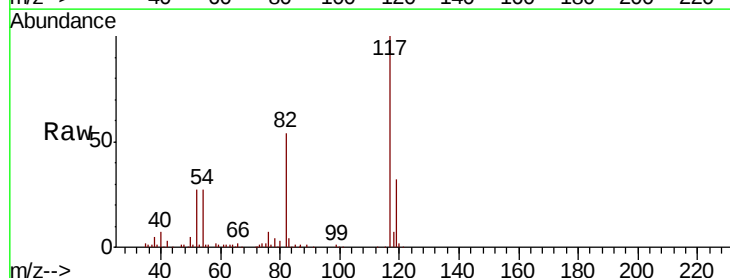
Tgt Ion: 117 Resp: 653488

Ion Ratio Lower Upper

117 100

82 54.4 40.4 60.6

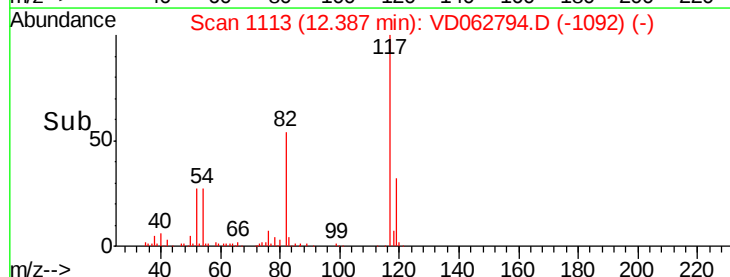
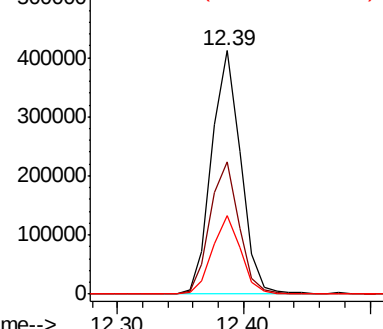
119 32.0 25.2 37.8

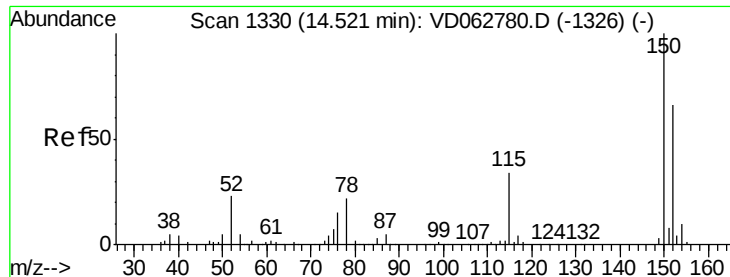


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062794.D

Acq: 20 Jun 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

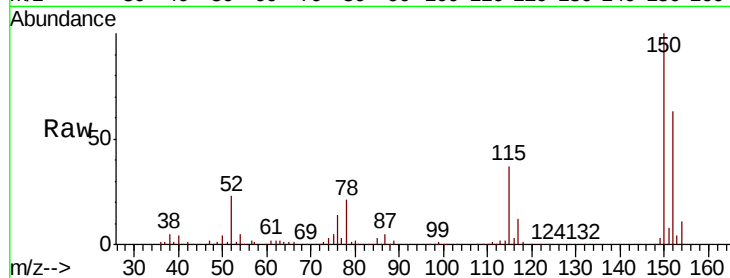
Tot Ion:152 Resp: 235797

Ion Ratio Lower Upper

152 100

115 59.2 29.2 87.6

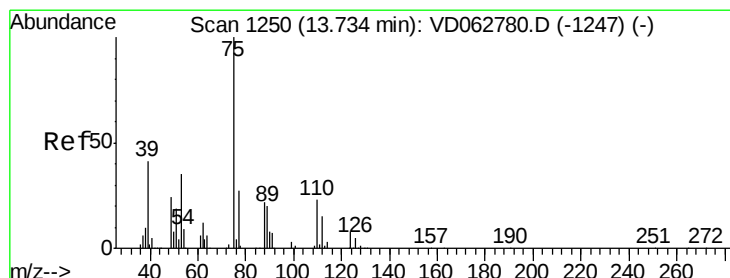
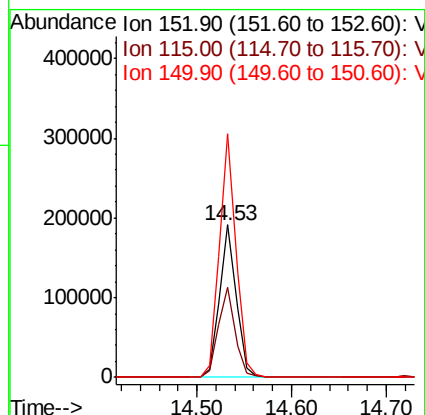
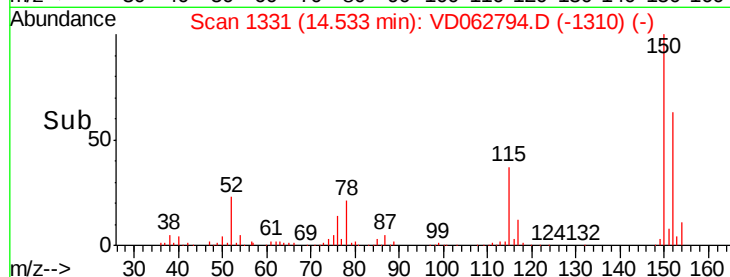
150 159.5 0.0 305.8



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: 45.625 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062794.D

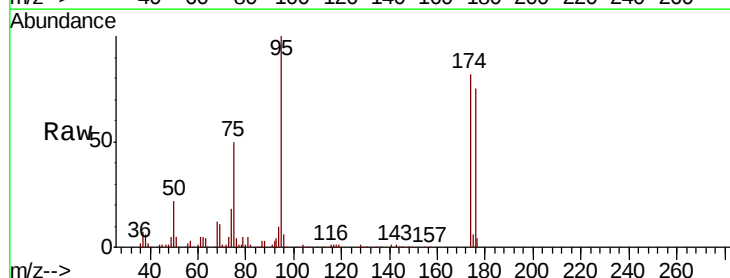
Acq: 20 Jun 2019 15:21

Tgt Ion: 75 Resp: 124197

Ion Ratio Lower Upper

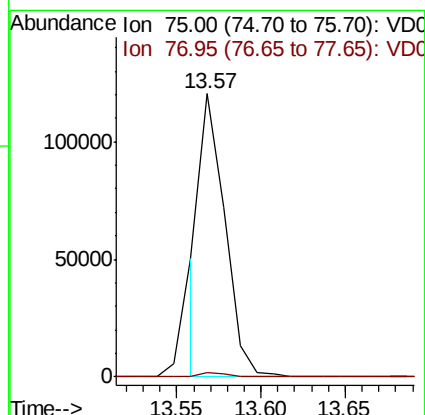
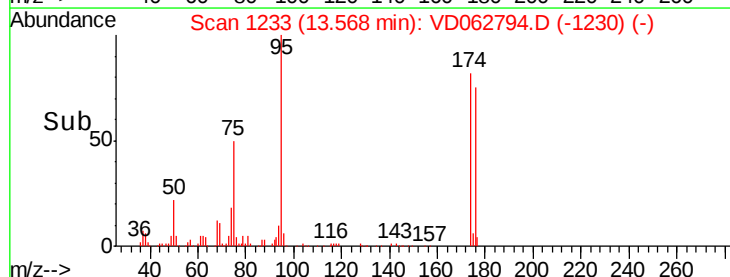
75 100

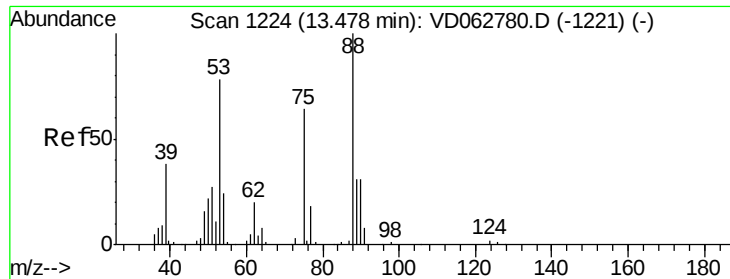
77 1.4 15.0 45.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

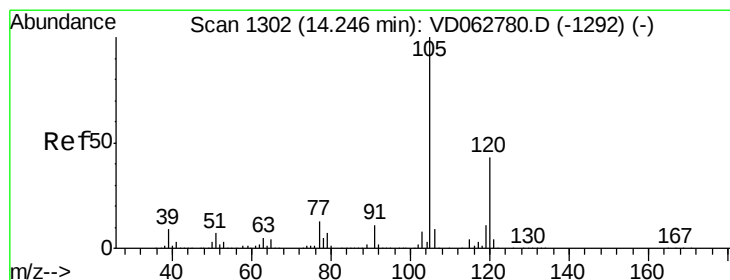
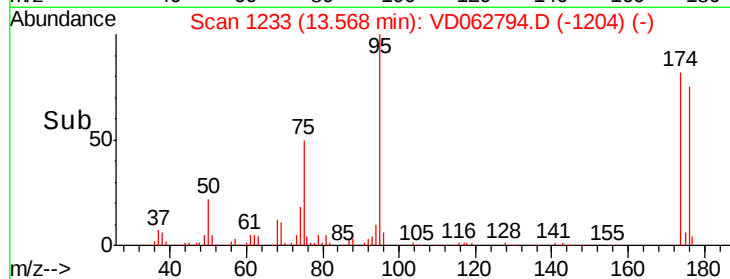
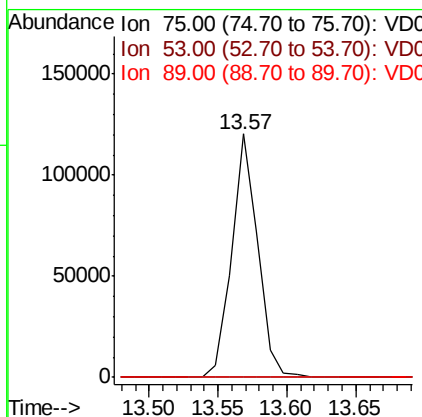
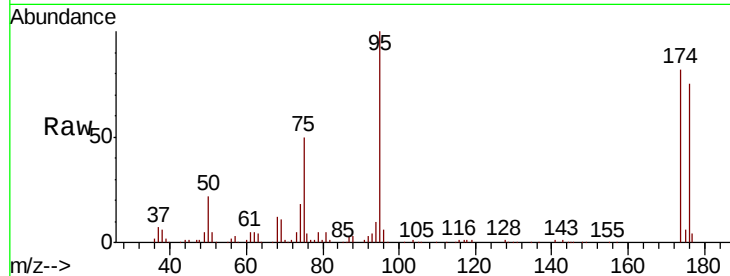




#81
trans-1,4-Dichloro-2-butene
Concen: 220.451 ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD062794.D
Acq: 20 Jun 2019 15:21

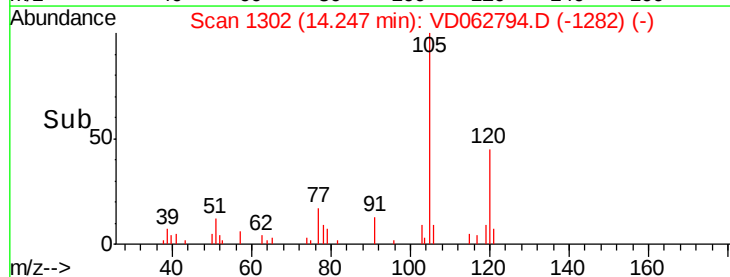
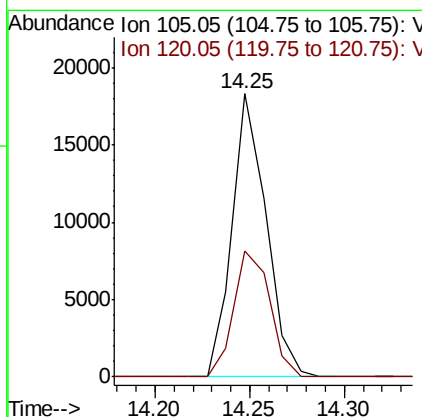
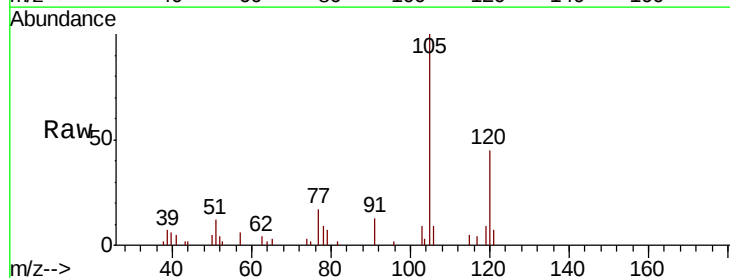
Instrument :
MSVOA_D
ClientSampleId :

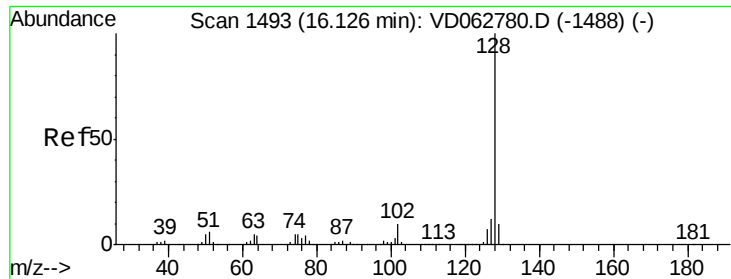
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	97.8	146.8#
89	0.0	39.4	59.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.742 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062794.D
Acq: 20 Jun 2019 15:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	21.3	63.9

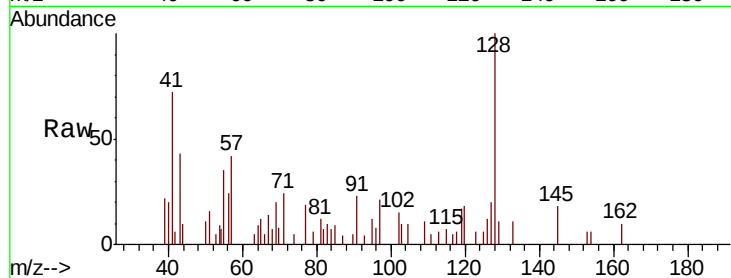




#95
 Naphthalene
 Concen: 1.278 ug/l
 RT: 16.14 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD062794.D
 Acq: 20 Jun 2019 15:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 8727
 Ion Ratio Lower Upper
 128 100
 127 20.0 9.7 14.5#
 129 11.2 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

