

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062795.D
 Acq On : 20 Jun 2019 15:48
 Operator : VA/AP
 Sample : K3447-08RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 21 06:35:10 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	7.07	168	717444	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	906090	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.39	117	727117	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	340185	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	339470	43.53	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.06%	
35) Dibromofluoromethane	6.94	113	370152	48.45	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.90%	
50) Toluene-d8	10.43	98	744718	44.79	ug/l	0.01
Spiked Amount 50.000			Recovery	=	89.58%	
62) 4-Bromofluorobenzene	13.57	95	323001	42.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	85.44%	

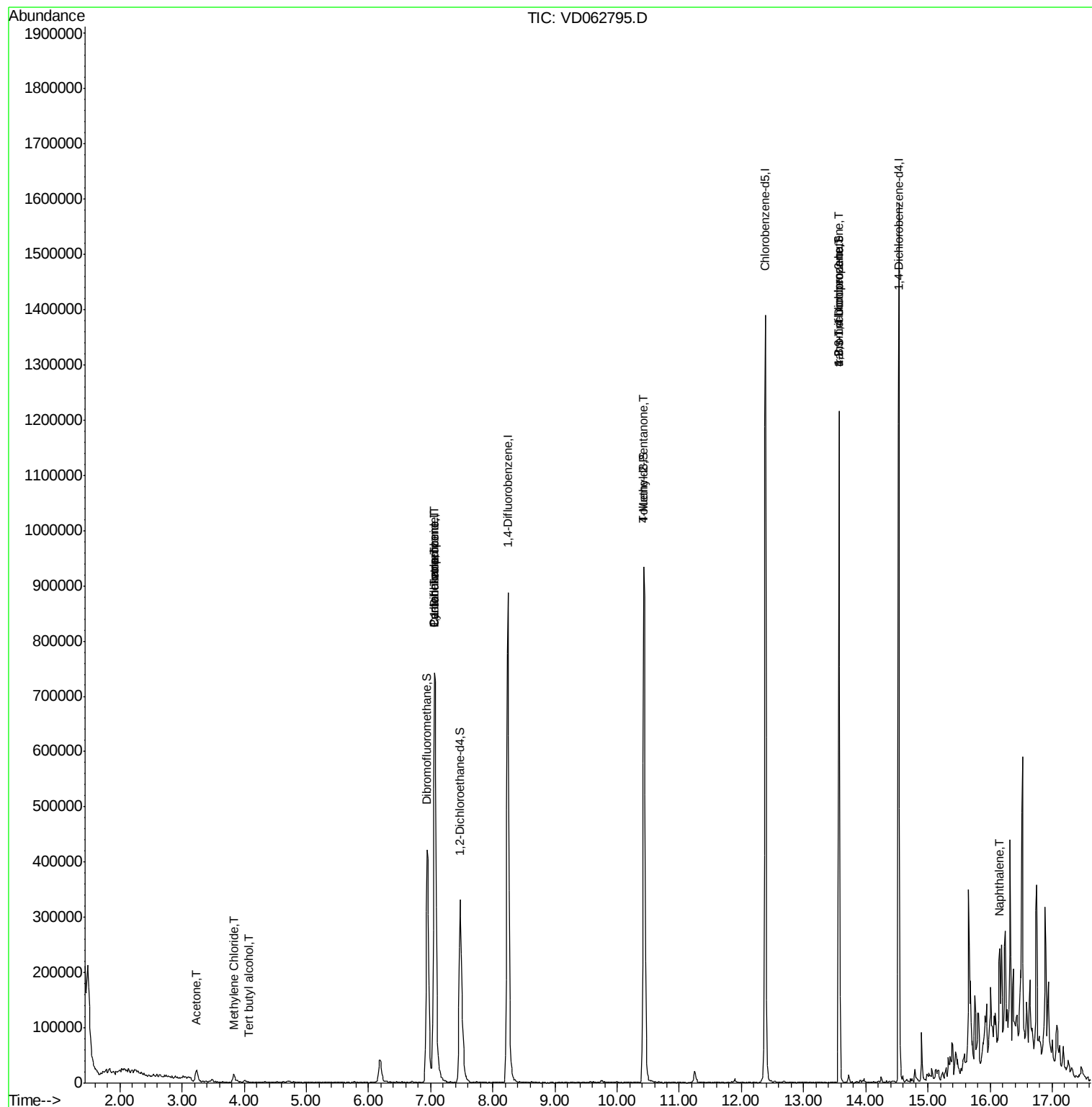
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	498	1.402	ug/l #	77
16) Acetone	3.23	43	43380	21.023	ug/l	97
20) Methylene Chloride	3.82	84	7260	1.221	ug/l	94
31) Cyclohexane	7.06	56	19095	2.607	ug/l #	18
36) 1,1-Dichloropropene	7.06	75	60132	7.011	ug/l #	56
37) Ethyl Acetate	6.18	43	3234	Below Cal	#	5
38) Carbon Tetrachloride	7.06	117	67668	5.246	ug/l #	17
51) 4-Methyl-2-Pentanone	10.43	43	4620	1.449	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	117819	30.001	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.57	75	158671	154.161	ug/l #	2
95) Naphthalene	16.14	128	12035	1.222	ug/l #	72

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

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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: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062795.D

Acq: 20 Jun 2019 15:48

Instrument :

MSVOA_D

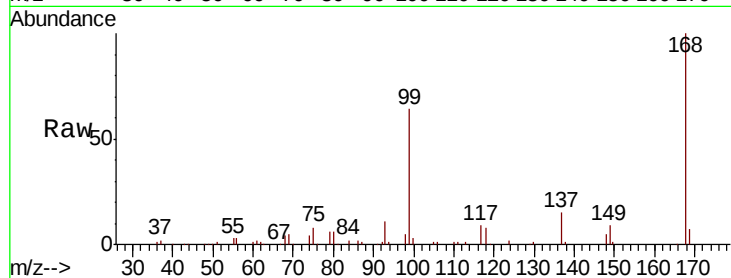
ClientSampleId :

Tot Ion:168 Resp: 717444

Ion Ratio Lower Upper

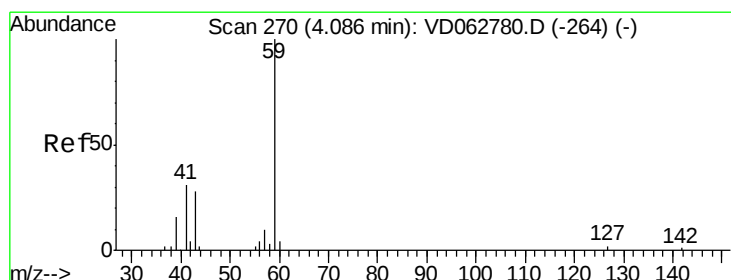
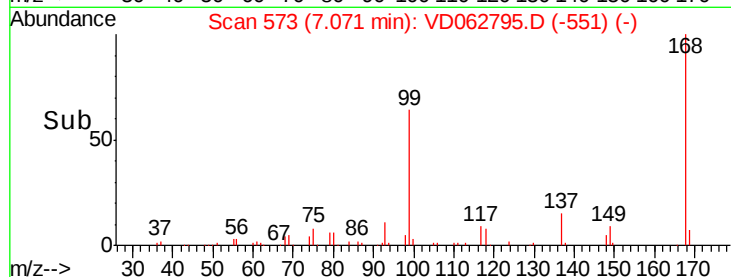
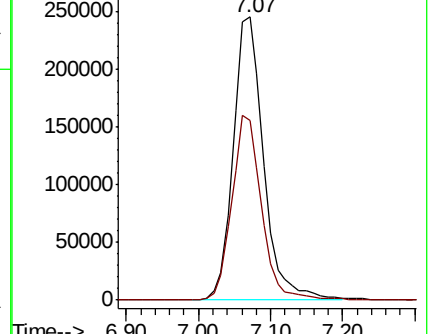
168 100

99 63.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.402 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD062795.D

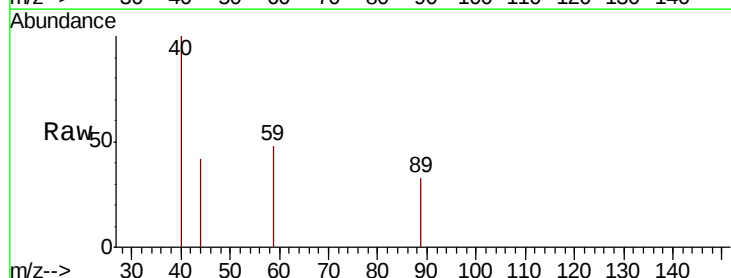
Acq: 20 Jun 2019 15:48

Tgt Ion: 59 Resp: 498

Ion Ratio Lower Upper

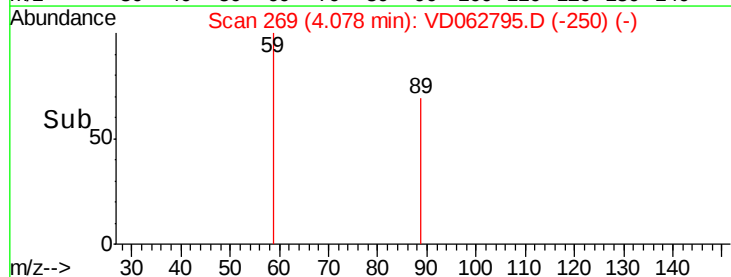
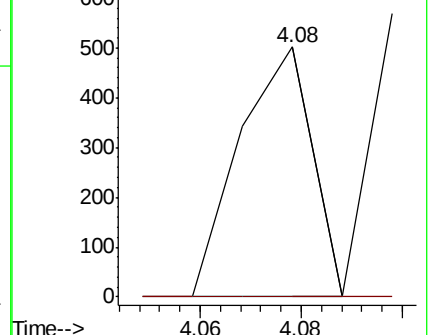
59 100

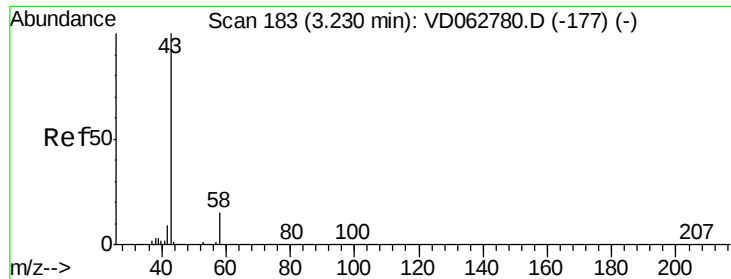
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 21.023 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062795.D

Acq: 20 Jun 2019 15:48

Instrument :

MSVOA_D

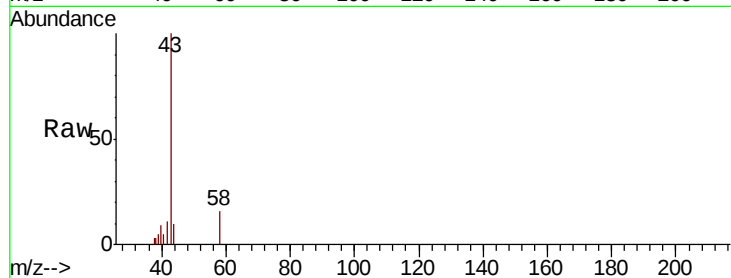
ClientSampleId :

Tot Ion: 43 Resp: 43380

Ion Ratio Lower Upper

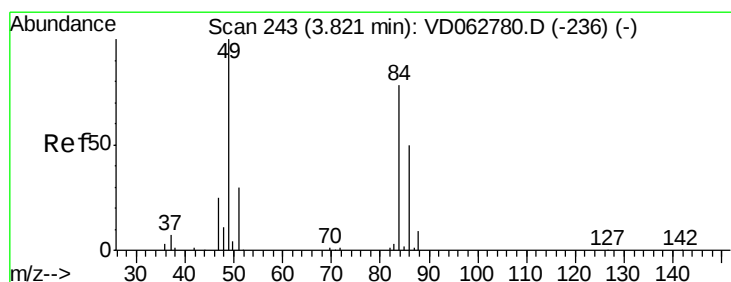
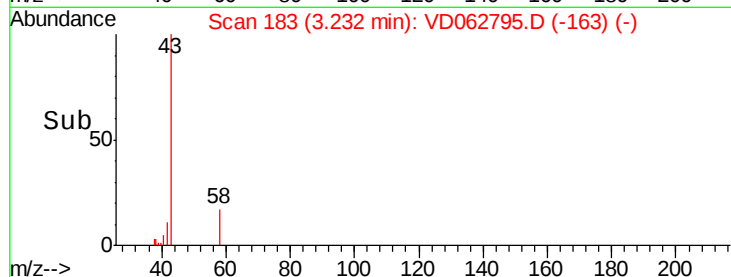
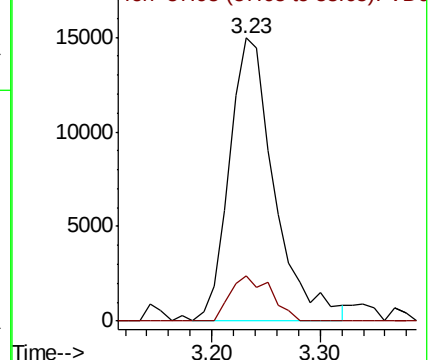
43 100

58 16.0 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.221 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD062795.D

Acq: 20 Jun 2019 15:48

Tgt Ion: 84 Resp: 7260

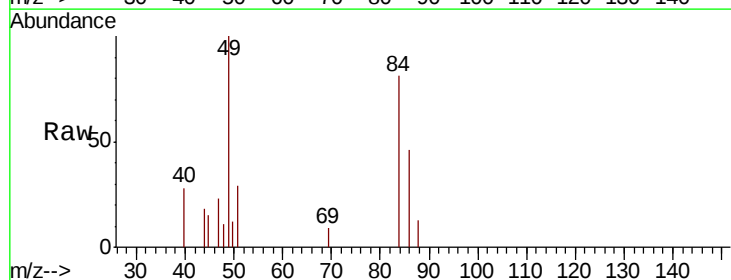
Ion Ratio Lower Upper

84 100

49 123.3 102.9 154.3

51 35.3 31.2 46.8

86 57.1 51.4 77.2

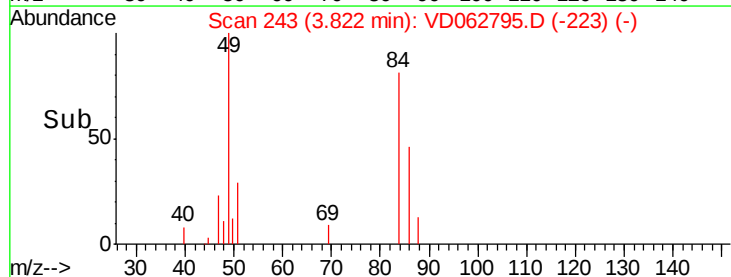
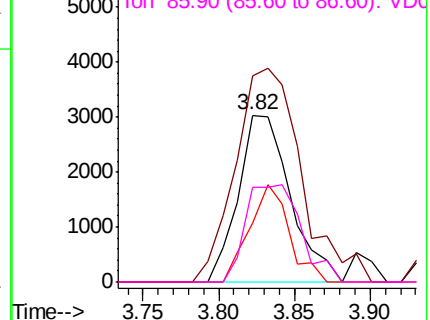


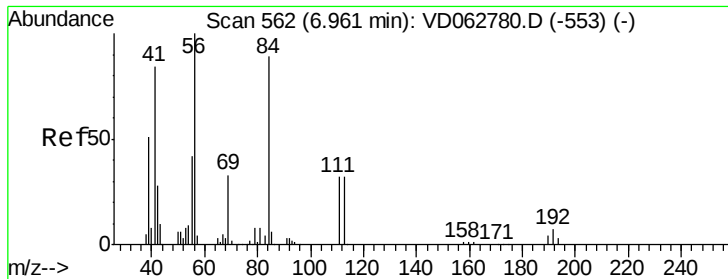
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

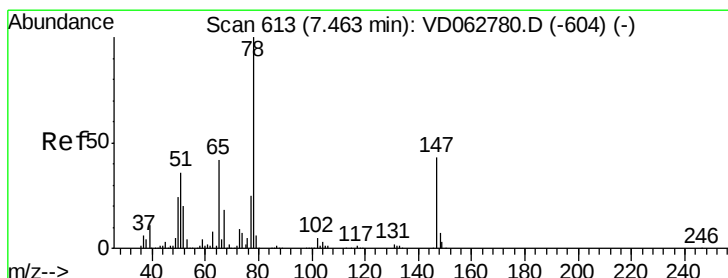
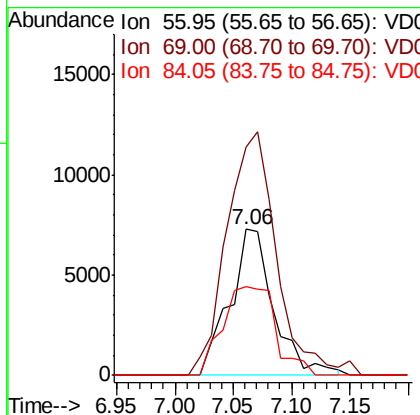
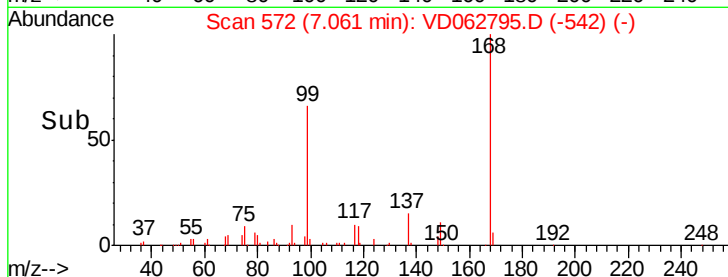
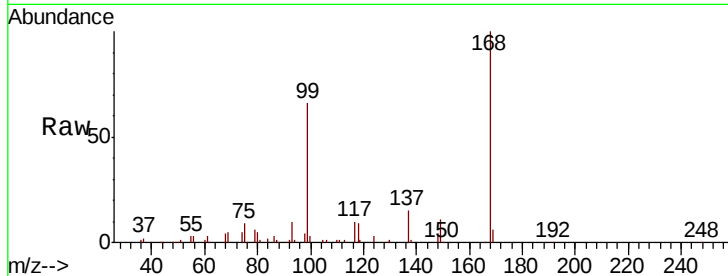




#31
Cvclohexane
Concen: 2.607 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD062795.D
Acq: 20 Jun 2019 15:48

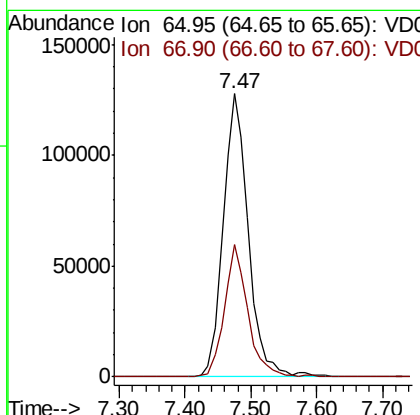
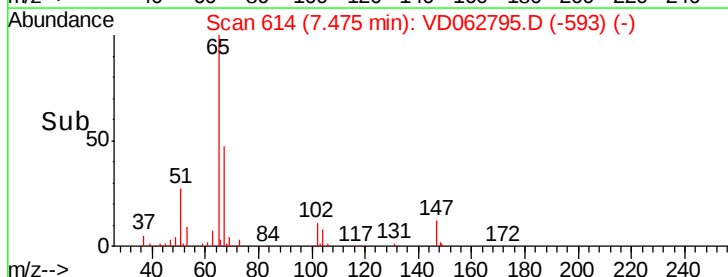
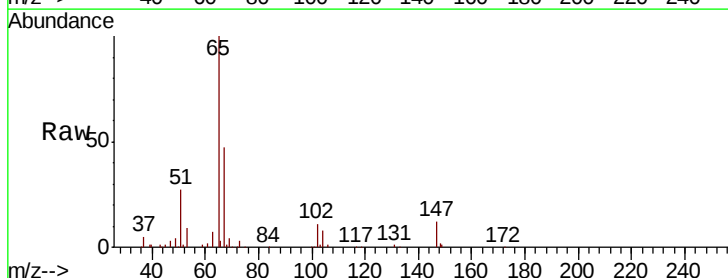
Instrument :
MSVOA_D
ClientSampleId :

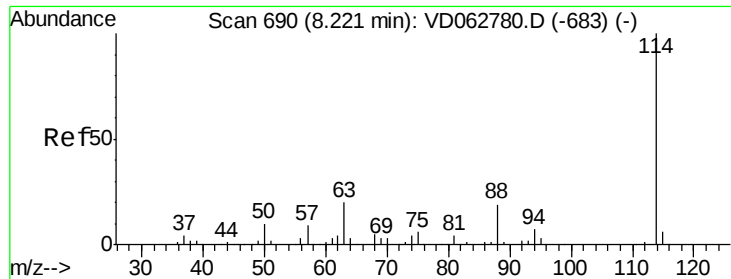
Tot Ion: 56 Resp: 19095
Ion Ratio Lower Upper
56 100
69 156.3 26.6 39.8#
84 60.5 75.5 113.3#



#33
1,2-Dichloroethane-d4
Concen: 43.530 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062795.D
Acq: 20 Jun 2019 15:48

Tgt Ion: 65 Resp: 339470
Ion Ratio Lower Upper
65 100
67 46.7 0.0 87.4

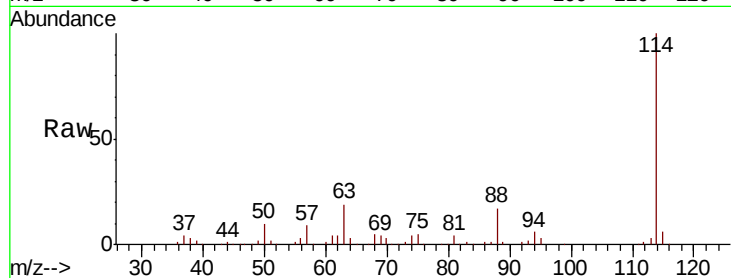




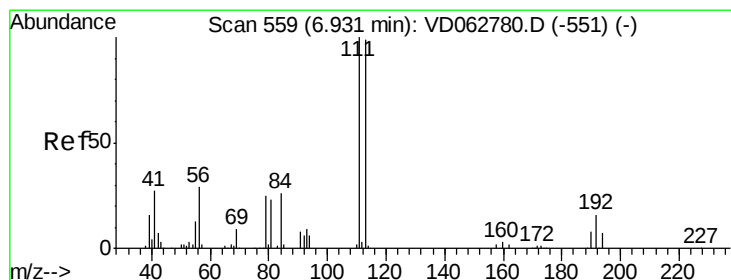
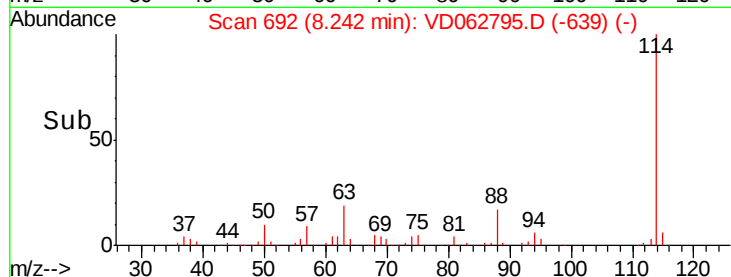
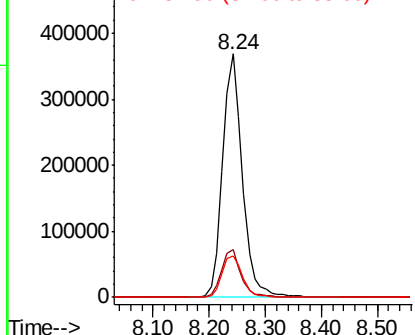
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD062795.D
 Acq: 20 Jun 2019 15:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 906090
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 17.0 0.0 38.8

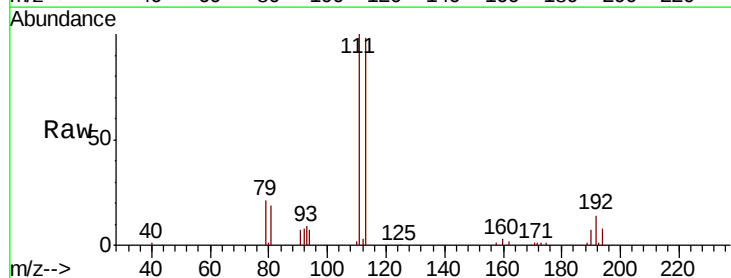


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

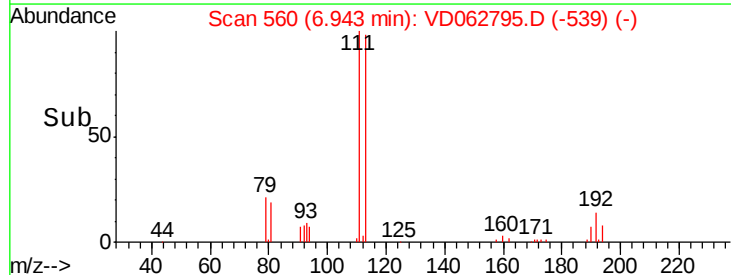
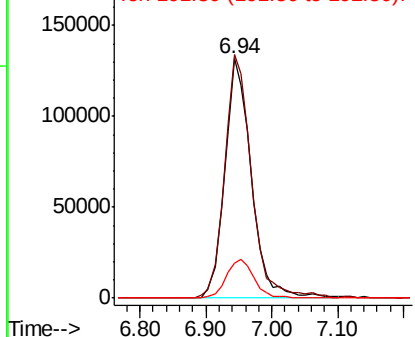


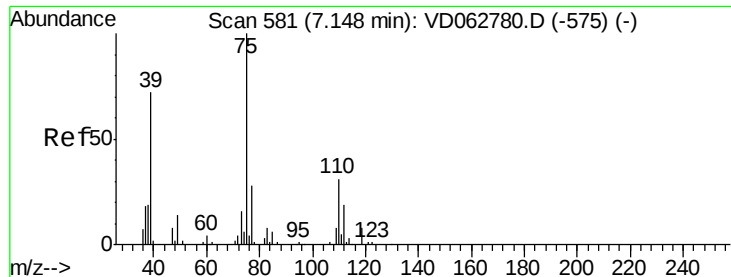
#35
 Dibromofluoromethane
 Concen: 48.448 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD062795.D
 Acq: 20 Jun 2019 15:48

Tgt Ion:113 Resp: 370152
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.2 121.8
 192 14.6 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: 7.011 ug/l

RT: 7.06 min Scan# 572

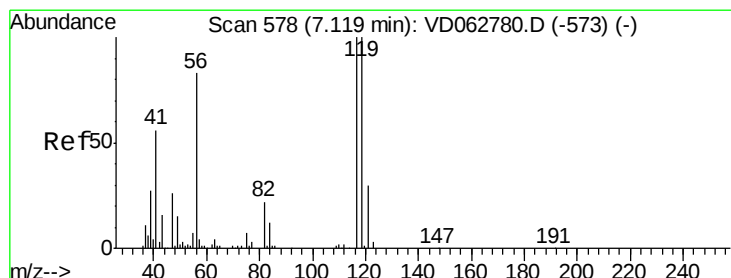
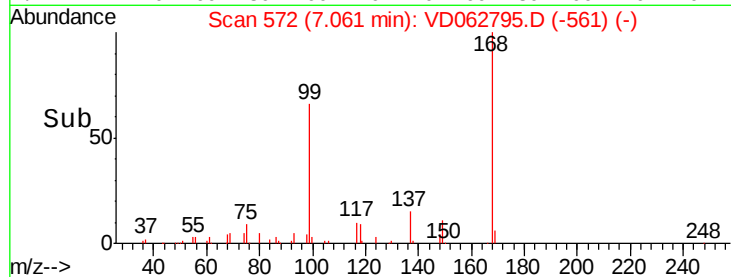
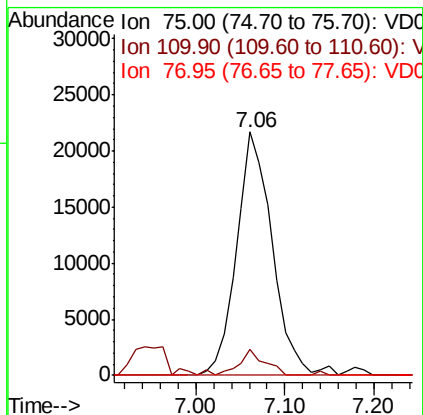
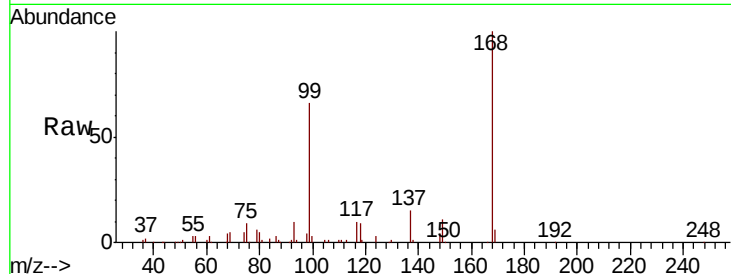
Delta R.T. -0.09 min

Lab File: VD062795.D

Acq: 20 Jun 2019 15:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	75	Resp:	60132
Ion	Ratio	Lower	Upper
75	100		
110	10.6	15.0	45.1#
77	0.0	22.2	33.2#



#38

Carbon Tetrachloride

Concen: 5.246 ug/l

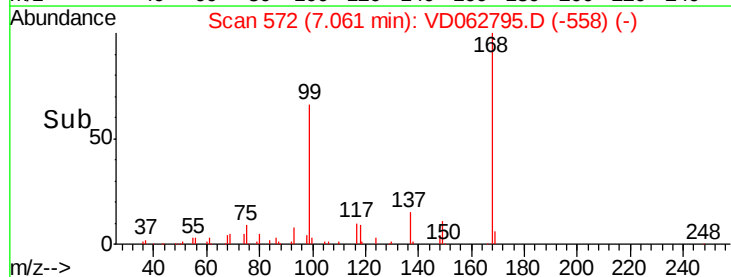
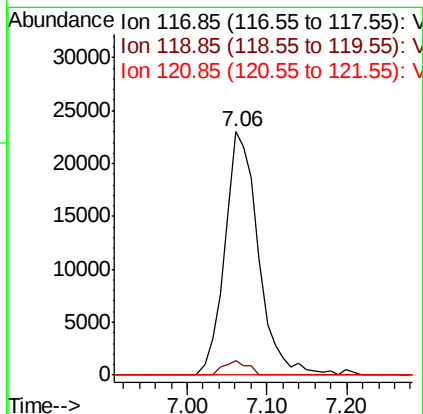
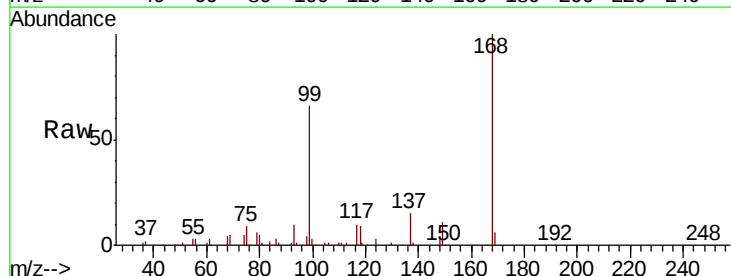
RT: 7.06 min Scan# 572

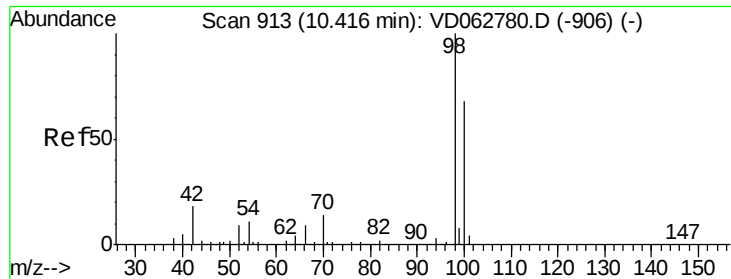
Delta R.T. -0.06 min

Lab File: VD062795.D

Acq: 20 Jun 2019 15:48

Tgt Ion:	117	Resp:	67668
Ion	Ratio	Lower	Upper
117	100		
119	6.0	75.4	113.2#
121	0.0	22.3	33.5#

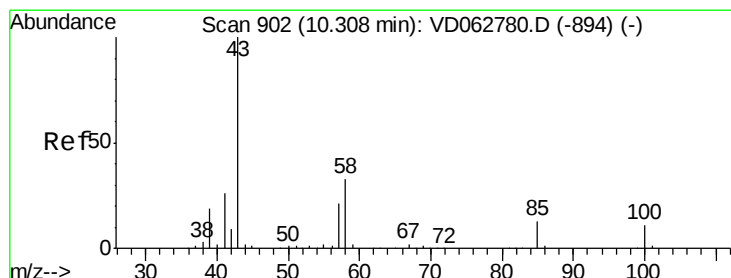
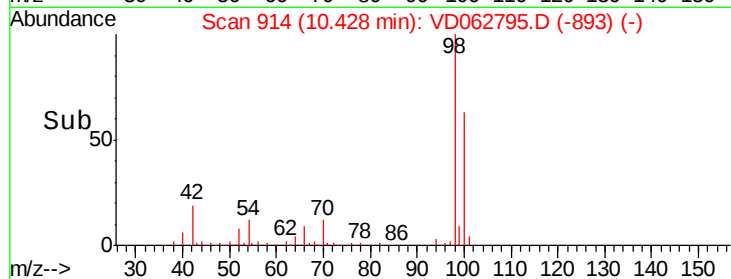
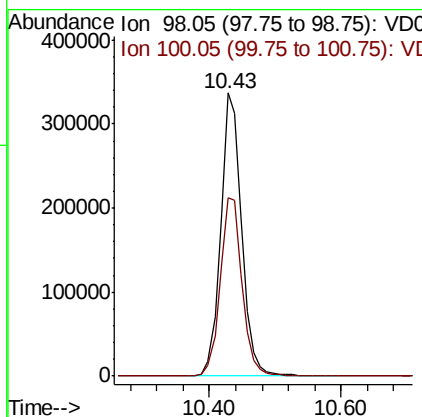
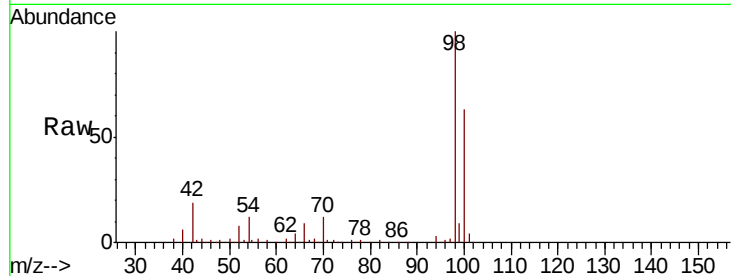




#50
Toluene-d8
Concen: 44.786 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062795.D
Acq: 20 Jun 2019 15:48

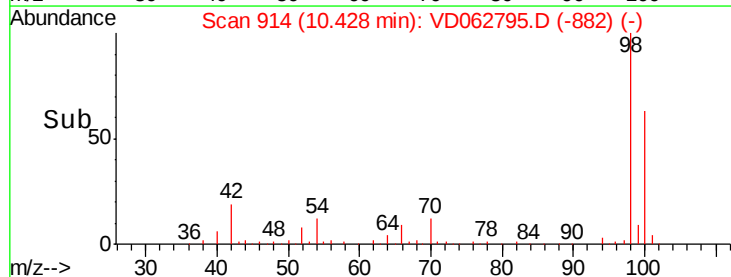
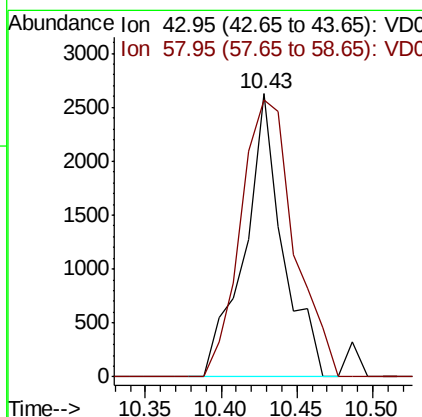
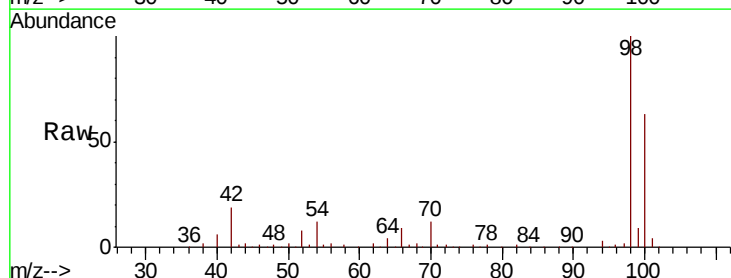
Instrument :
MSVOA_D
ClientSampleId :

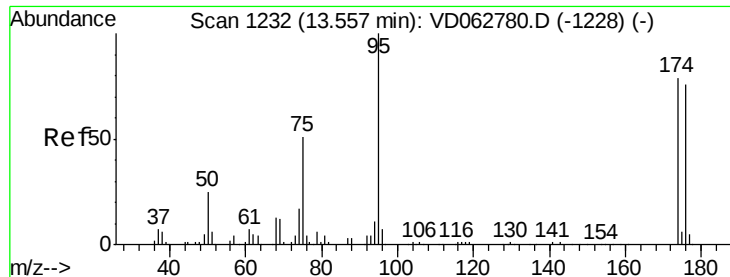
Tot Ion: 98 Resp: 744718
Ion Ratio Lower Upper
98 100
100 63.1 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.449 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.12 min
Lab File: VD062795.D
Acq: 20 Jun 2019 15:48

Tgt Ion: 43 Resp: 4620
Ion Ratio Lower Upper
43 100
58 97.9 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 42.719 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062795.D

Acq: 20 Jun 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

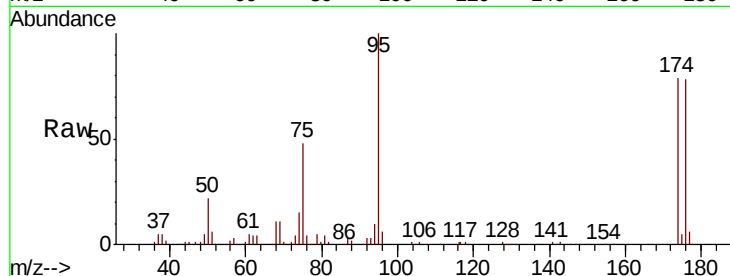
Tot Ion: 95 Resp: 323001

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.0

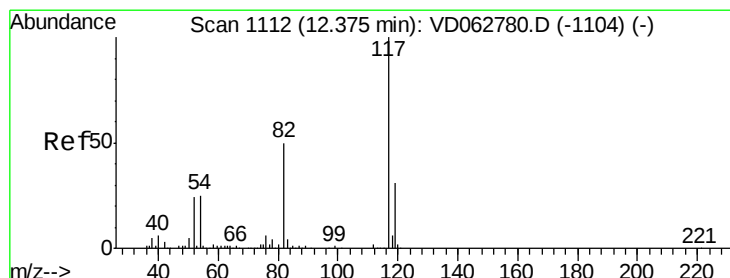
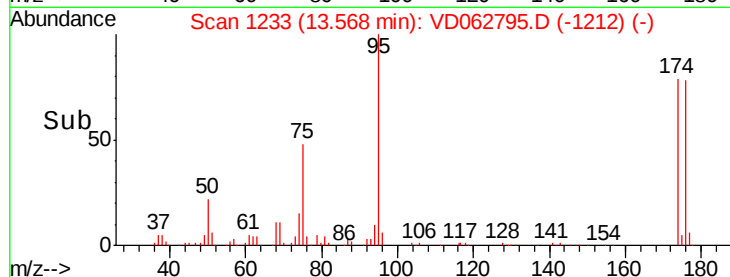
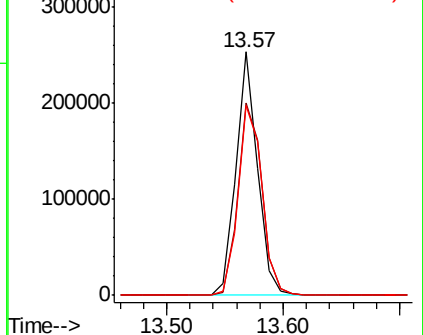
176 78.1 0.0 151.6



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: VD062795.D

Acq: 20 Jun 2019 15:48

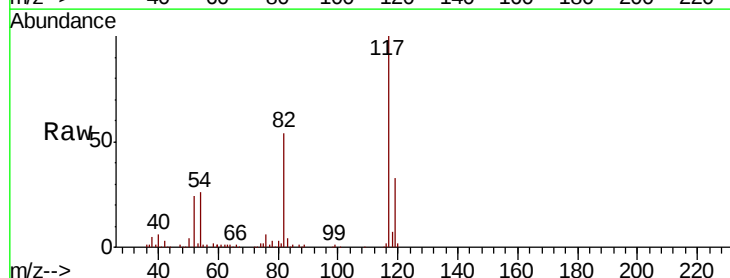
Tgt Ion: 117 Resp: 727117

Ion Ratio Lower Upper

117 100

82 54.1 40.4 60.6

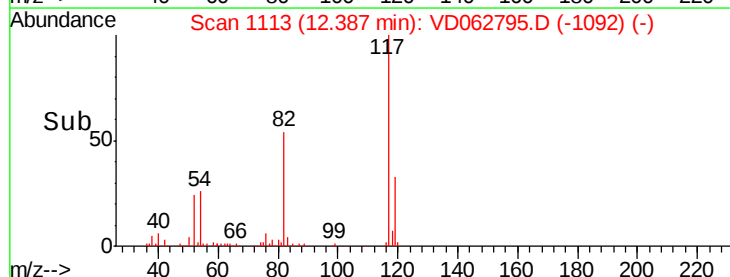
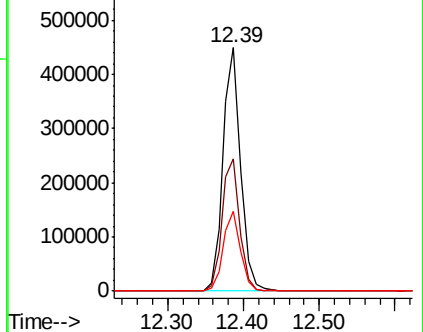
119 32.6 25.2 37.8

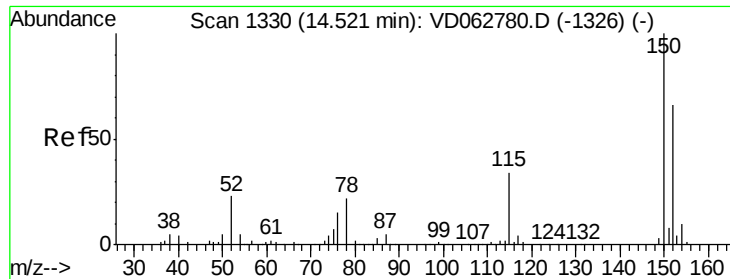


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062795.D

Acq: 20 Jun 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

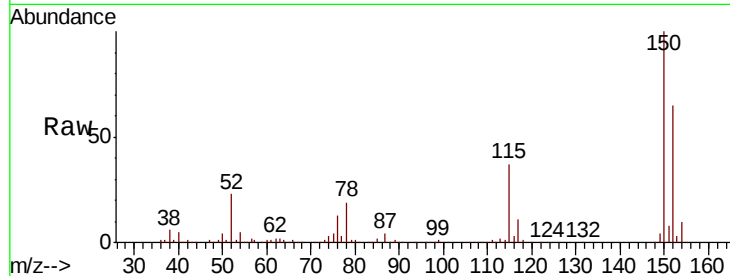
Tot Ion:152 Resp: 340185

Ion Ratio Lower Upper

152 100

115 57.8 29.2 87.6

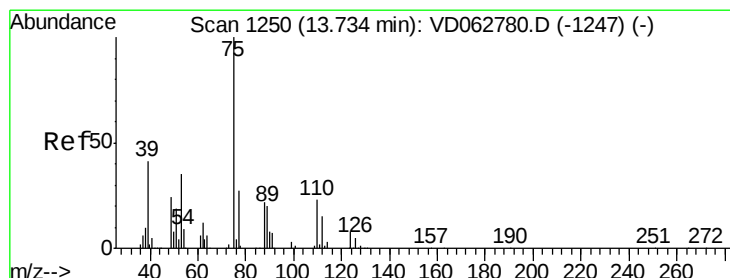
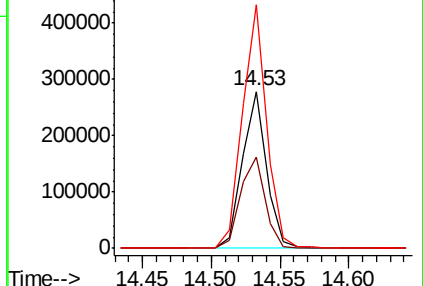
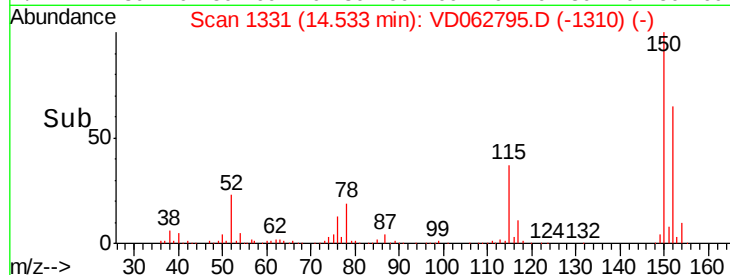
150 154.9 0.0 305.8



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: 30.001 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062795.D

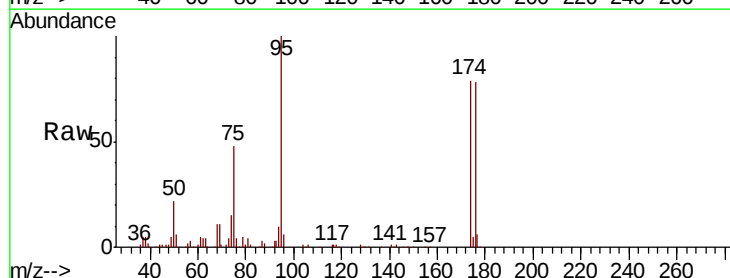
Acq: 20 Jun 2019 15:48

Tgt Ion: 75 Resp: 117819

Ion Ratio Lower Upper

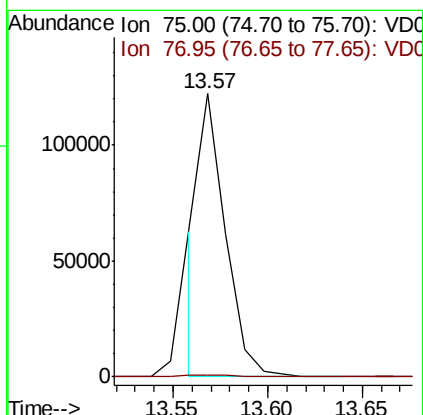
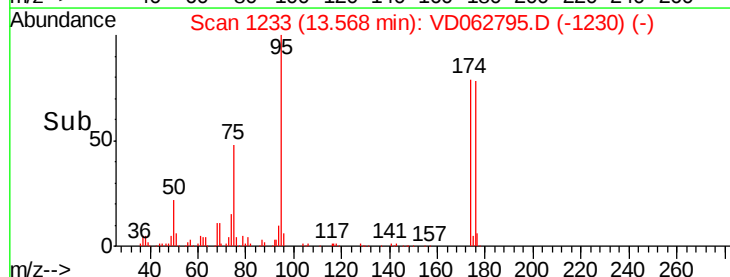
75 100

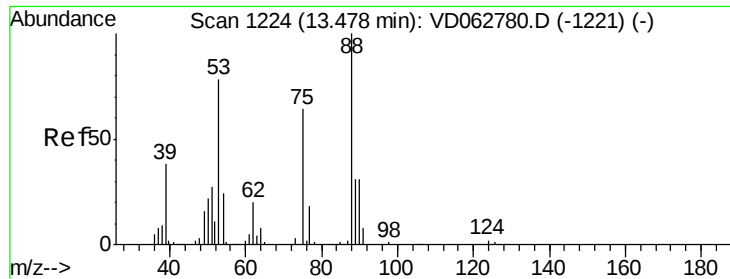
77 0.8 15.0 45.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V

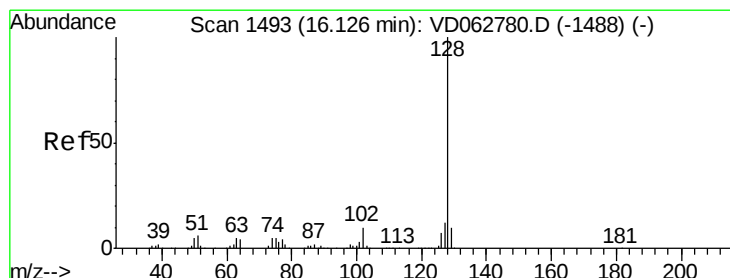
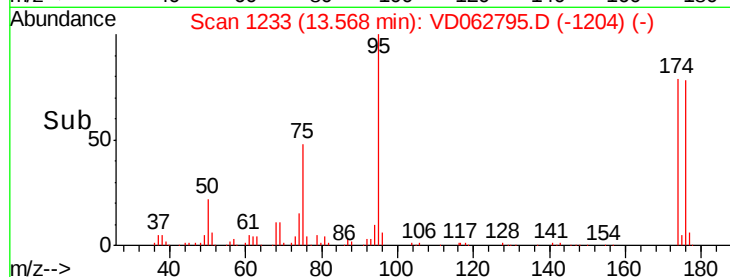
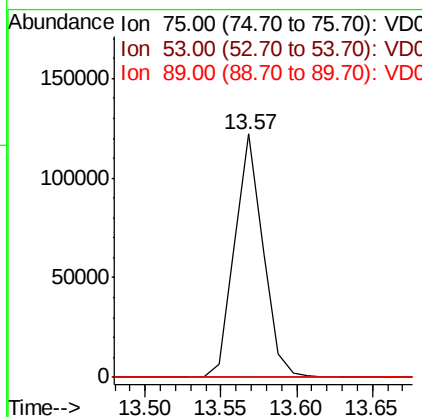
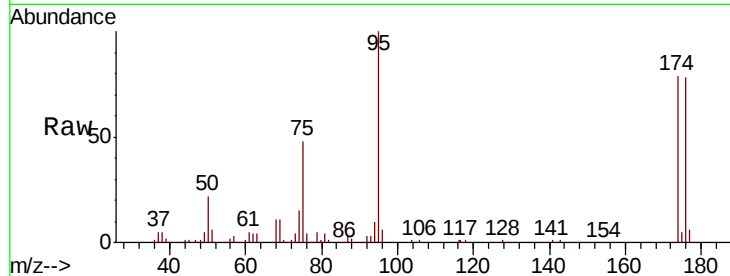




#81
trans-1,4-Dichloro-2-butene
Concen: 154.161 ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD062795.D
Acq: 20 Jun 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 158671
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#



#95
Naphthalene
Concen: 1.222 ug/l
RT: 16.14 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062795.D
Acq: 20 Jun 2019 15:48

Tgt Ion:128 Resp: 12035
Ion Ratio Lower Upper
128 100
127 12.5 9.7 14.5
129 32.6 8.3 12.5#

