

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062797.D
 Acq On : 20 Jun 2019 16:43
 Operator : VA/AP
 Sample : K3447-09RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 21 06:35:43 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	274591	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	417647	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.39	117	364030	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	199483	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	208496	69.85	ug/l	0.02
Spiked Amount			Recovery	=	139.70%	
35) Dibromofluoromethane	6.95	113	184437	52.37	ug/l	0.02
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	10.44	98	364003	47.49	ug/l	0.02
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	13.57	95	180390	51.76	ug/l	0.01
Spiked Amount			Recovery	=	103.52%	

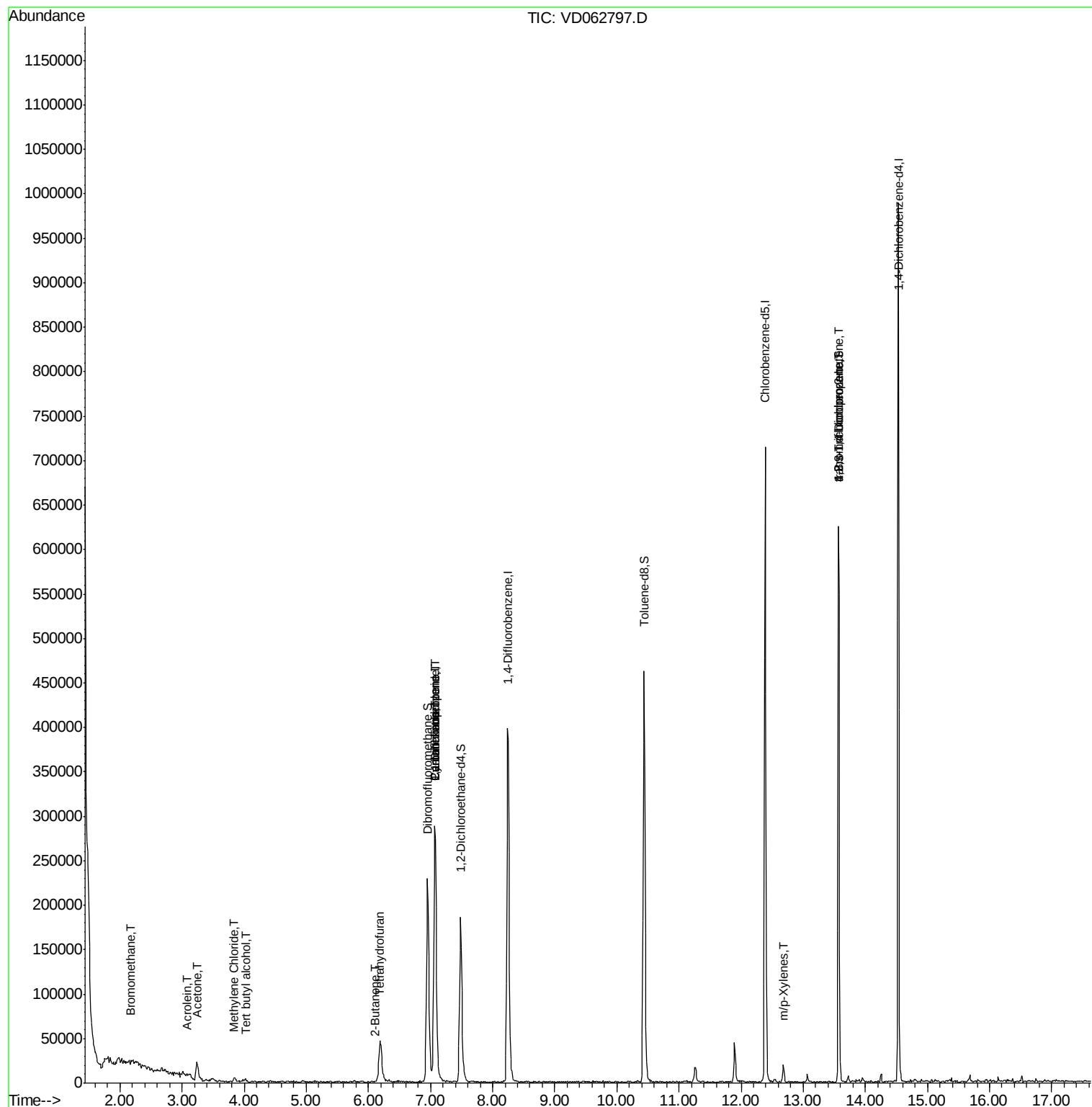
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	2251	1.814	ug/l #	13
11) Tert butyl alcohol	4.03	59	2761	20.310	ug/l #	77
13) Acrolein	3.07	56	196	1.412	ug/l #	15
16) Acetone	3.24	43	44203	67.934	ug/l	96
20) Methylene Chloride	3.84	84	2960	1.300	ug/l	85
25) 2-Butanone	6.11	43	3092	5.539	ug/l #	64
29) Tetrahydrofuran	6.17	42	1218	4.611	ug/l #	33
31) Cyclohexane	7.06	56	5997	2.140	ug/l #	5
36) 1,1-Dichloropropene	7.07	75	24099	6.095	ug/l #	57
38) Carbon Tetrachloride	7.08	117	26479	4.453	ug/l #	13
68) m/p-Xylenes	12.67	106	5206	1.232	ug/l #	65
76) 1,2,3-Trichloropropane	13.57	75	72053	31.288	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	84602	140.174	ug/l #	2

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

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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: VD062797.D

Acq: 20 Jun 2019 16:43

Instrument :

MSVOA_D

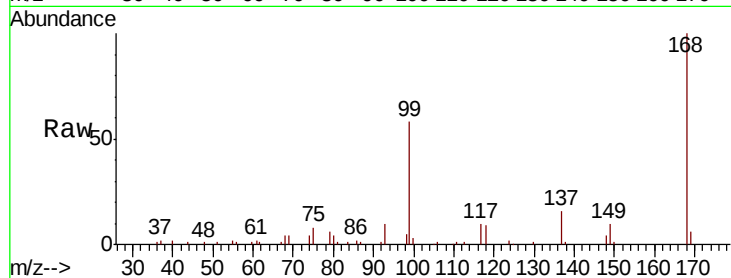
ClientSampleId :

Tot Ion:168 Resp: 274591

Ion Ratio Lower Upper

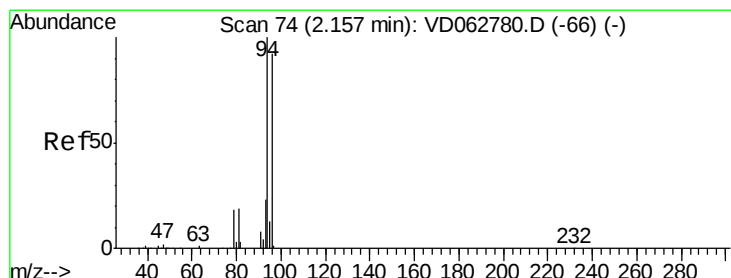
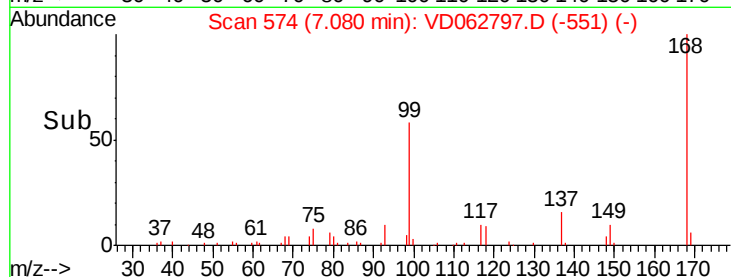
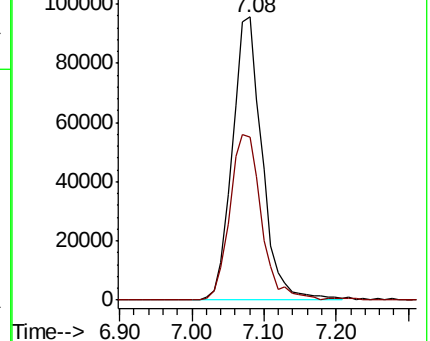
168 100

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



#5

Bromomethane

Concen: 1.814 ug/l

RT: 2.18 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

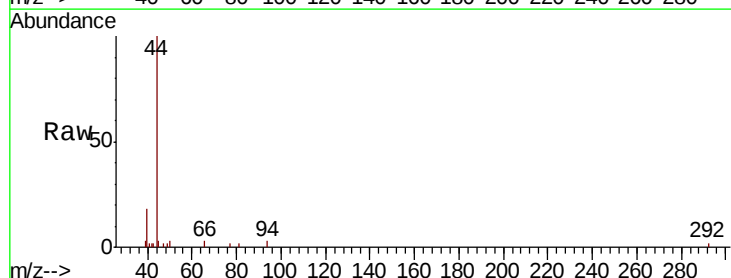
Tgt Ion: 94 Resp: 2251

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

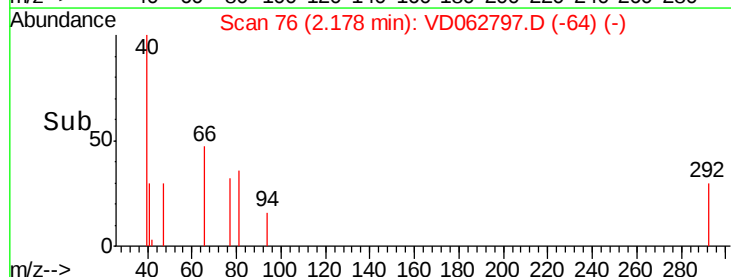
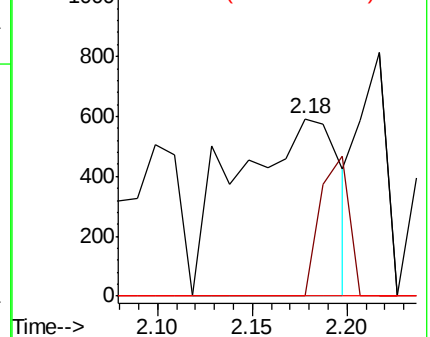
93 0.0 18.2 27.4#

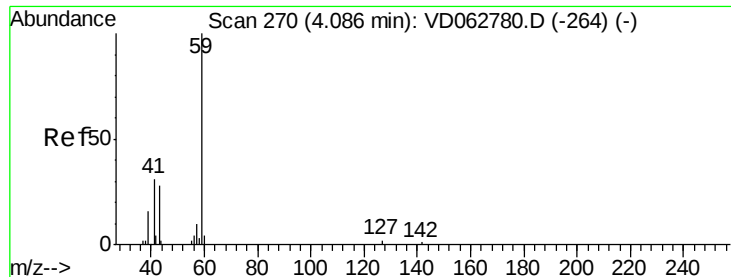


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



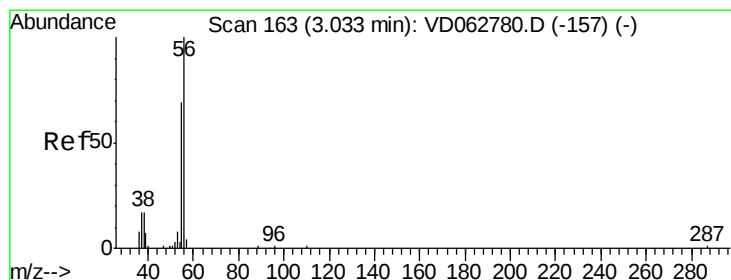
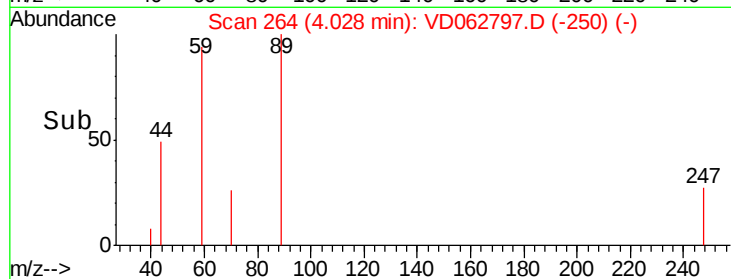
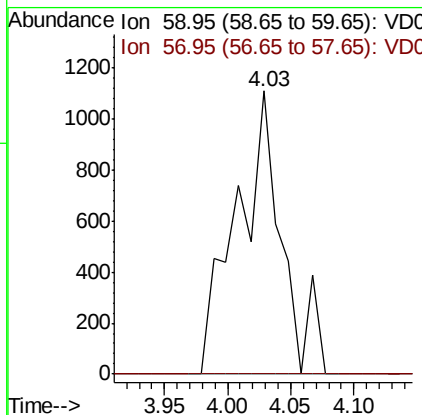
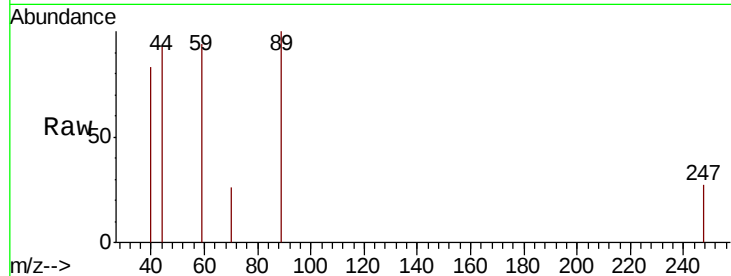


#11

Tert butyl alcohol
Concen: 20.310 ug/l
RT: 4.03 min Scan# 264
Delta R.T. -0.06 min
Lab File: VD062797.D
Acq: 20 Jun 2019 16:43

Instrument :
MSVOA_D
ClientSampled :

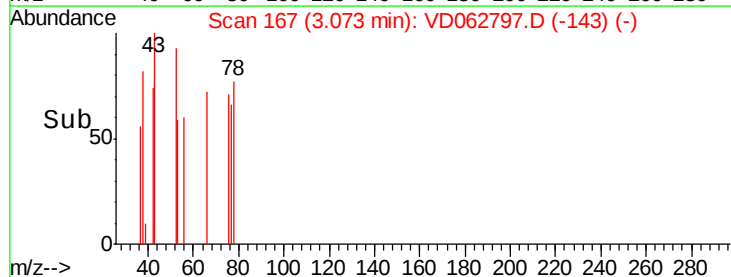
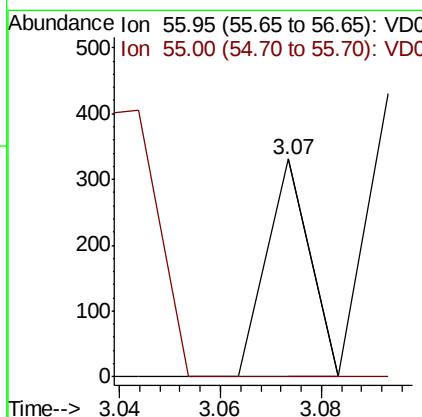
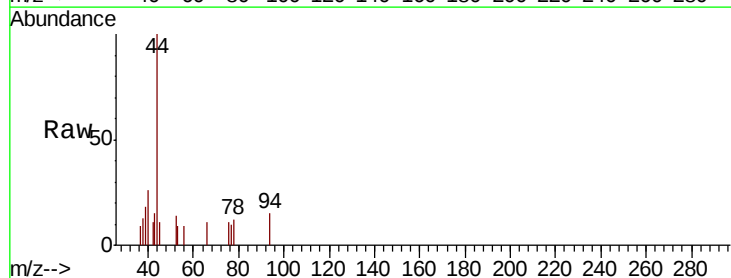
Tot Ion: 59 Resp: 2761
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#

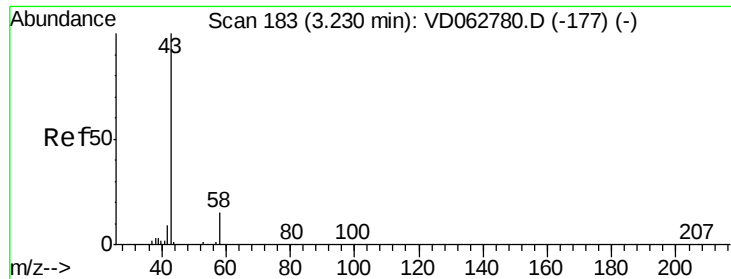


#13

Acrolein
Concen: 1.412 ug/l
RT: 3.07 min Scan# 167
Delta R.T. 0.04 min
Lab File: VD062797.D
Acq: 20 Jun 2019 16:43

Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#





#16

Acetone

Concen: 67.934 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

Instrument :

MSVOA_D

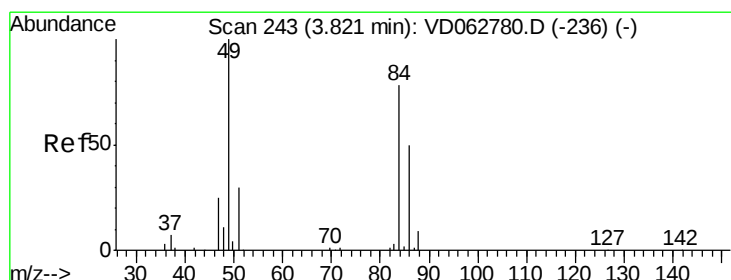
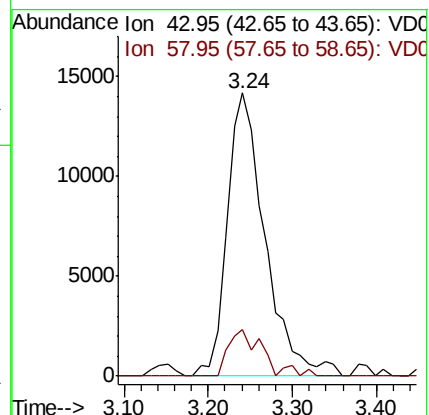
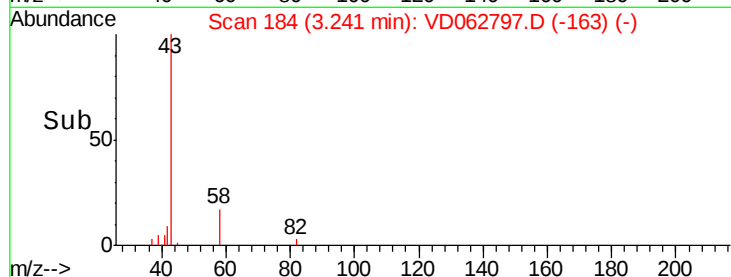
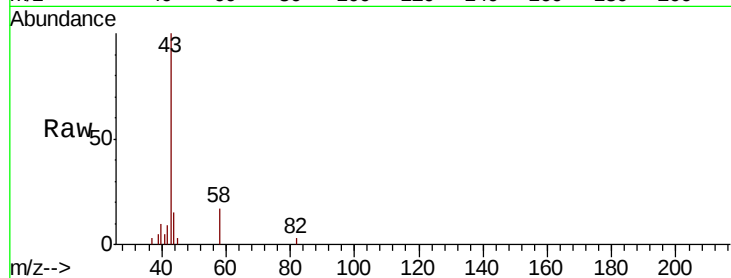
ClientSampleId :

Tot Ion: 43 Resp: 44203

Ion Ratio Lower Upper

43 100

58 16.6 11.9 17.9



#20

Methylene Chloride

Concen: 1.300 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

Tgt Ion: 84 Resp: 2960

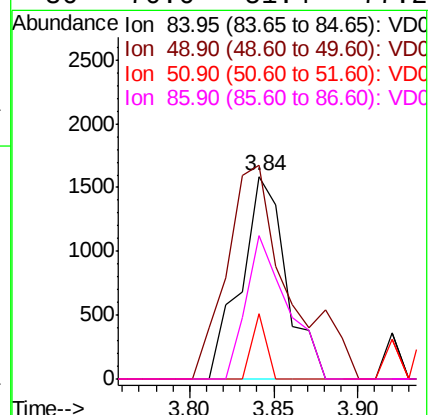
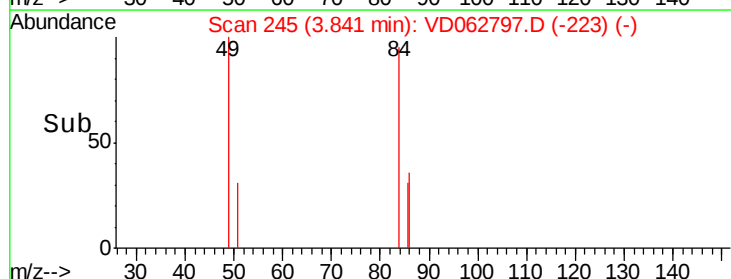
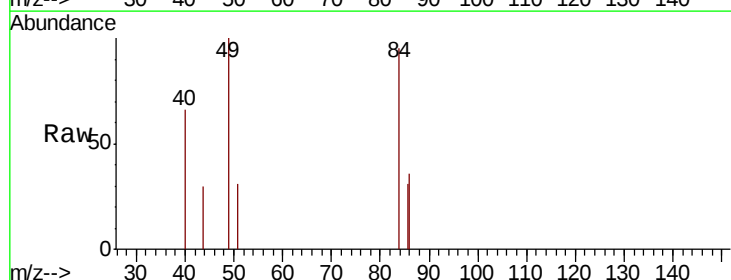
Ion Ratio Lower Upper

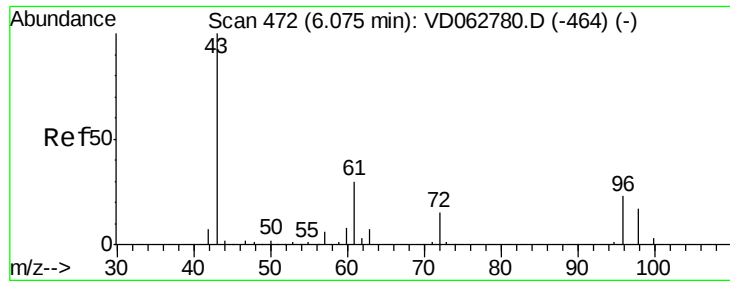
84 100

49 105.5 102.9 154.3

51 32.3 31.2 46.8

86 70.6 51.4 77.2





#25

2-Butanone

Concen: 5.539 ug/l

RT: 6.11 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

Instrument :

MSVOA_D

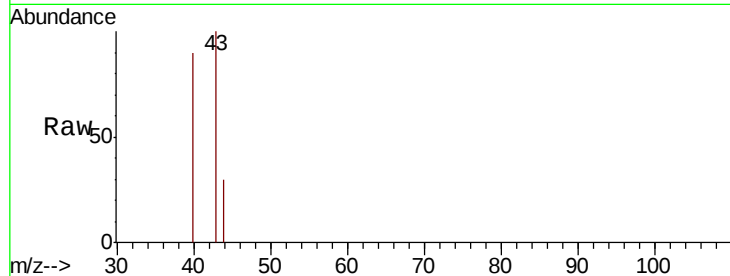
ClientSampled :

Tot Ion: 43 Resp: 3092

Ion Ratio Lower Upper

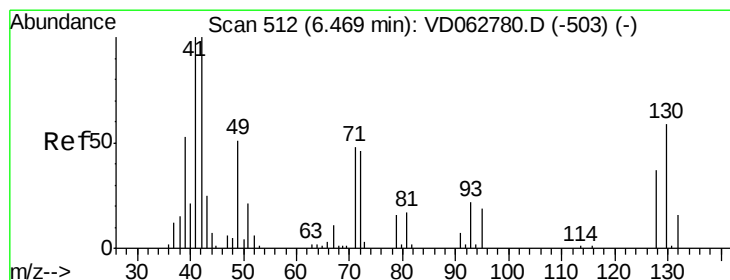
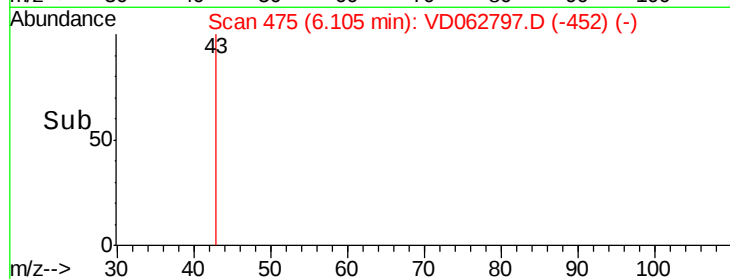
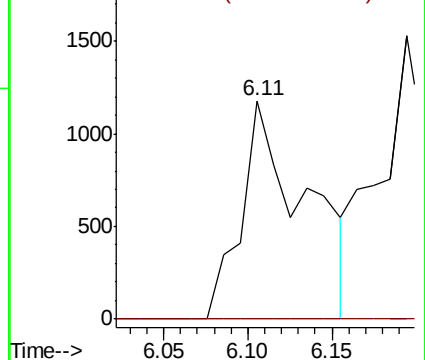
43 100

72 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 4.611 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.29 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

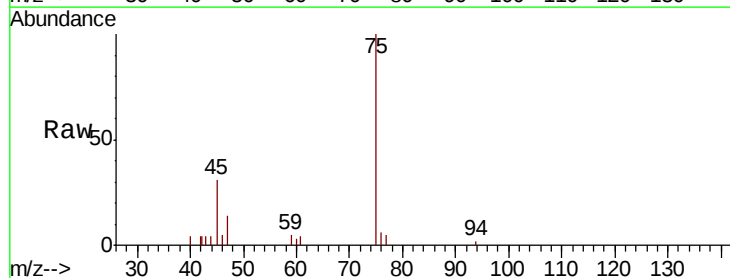
Tgt Ion: 42 Resp: 1218

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

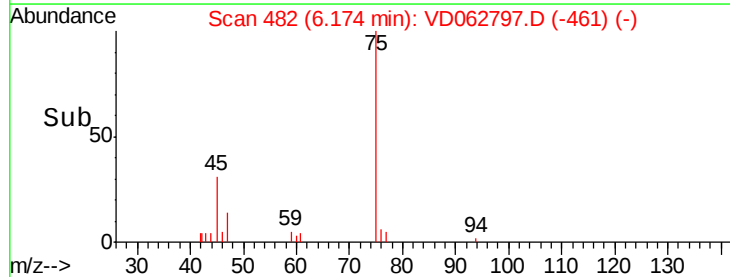
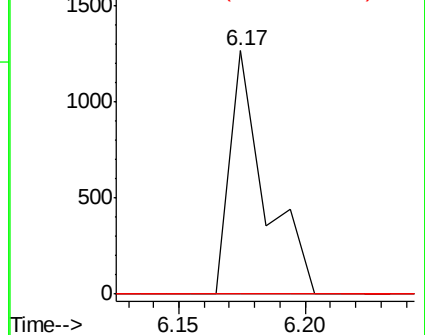
71 0.0 33.3 49.9#

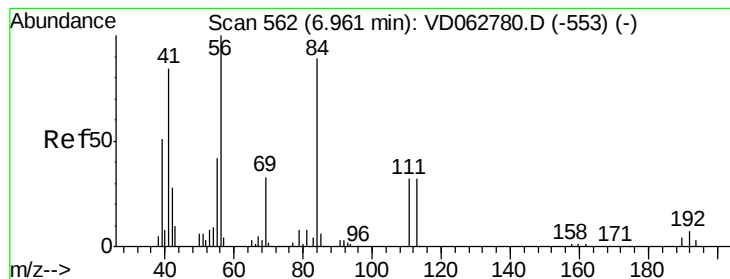


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 2.140 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.10 min

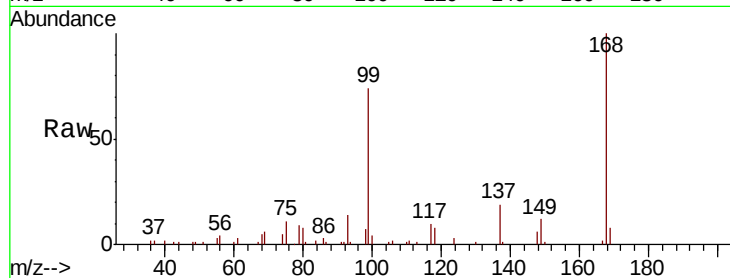
Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

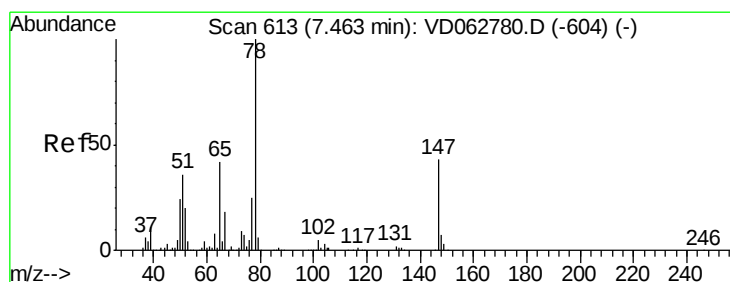
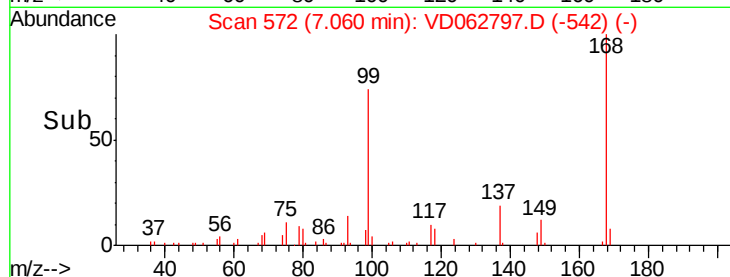
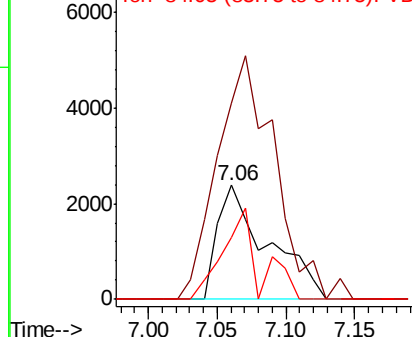
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 5997

Ion	Ratio	Lower	Upper
56	100		
69	172.4	26.6	39.8#
84	54.1	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: 69.853 ug/l

RT: 7.48 min Scan# 615

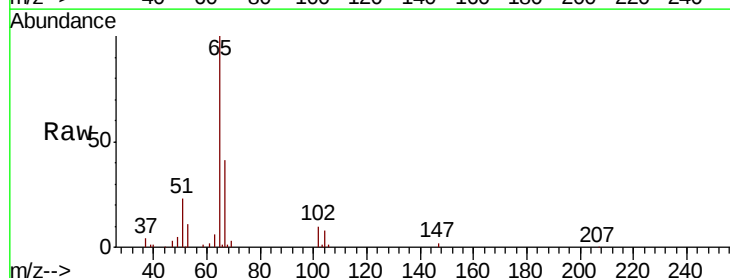
Delta R.T. 0.02 min

Lab File: VD062797.D

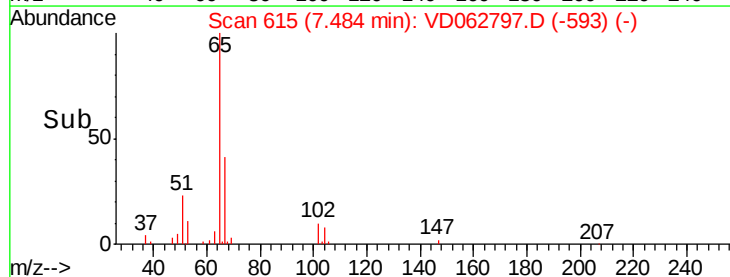
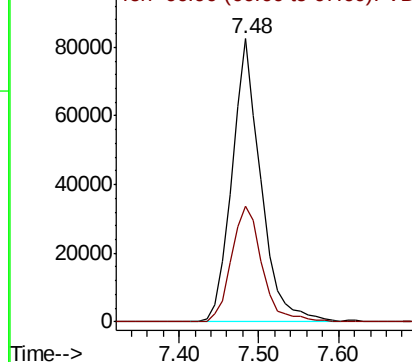
Acq: 20 Jun 2019 16:43

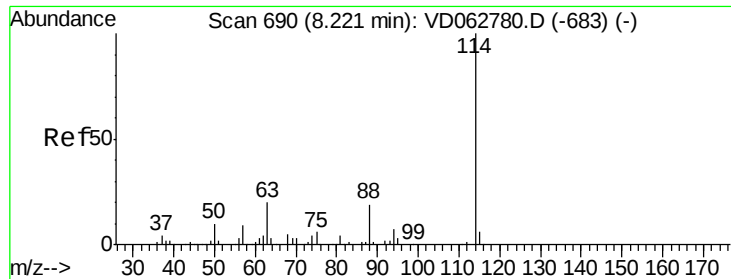
Tgt Ion: 65 Resp: 208496

Ion	Ratio	Lower	Upper
65	100		
67	40.8	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: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

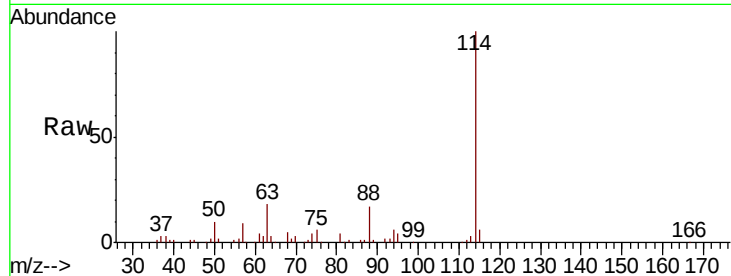
Tot Ion:114 Resp: 417647

Ion Ratio Lower Upper

114 100

63 17.7 0.0 40.0

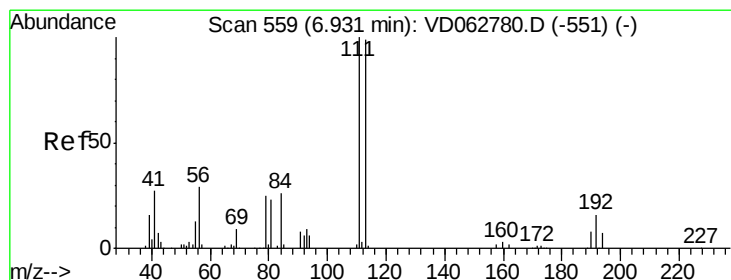
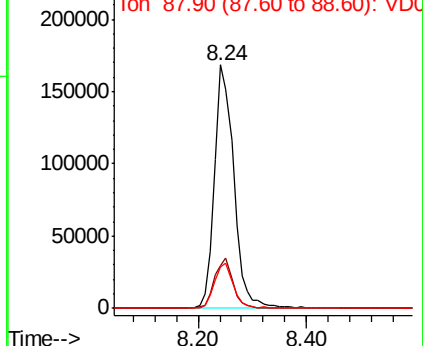
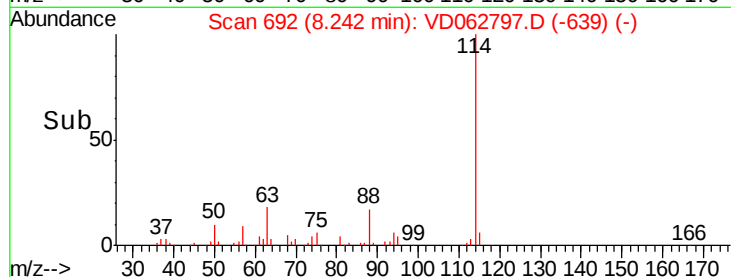
88 17.2 0.0 38.8



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: 52.373 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

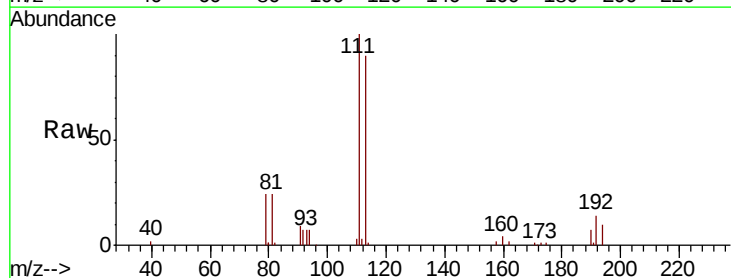
Tgt Ion:113 Resp: 184437

Ion Ratio Lower Upper

113 100

111 111.5 81.2 121.8

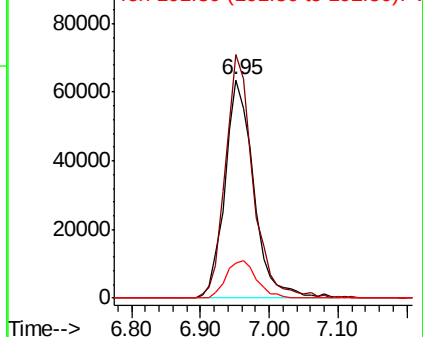
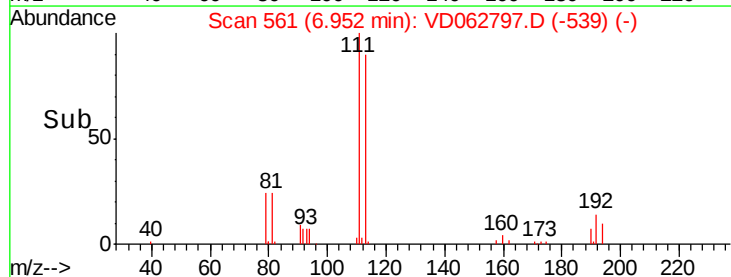
192 15.8 12.9 19.3

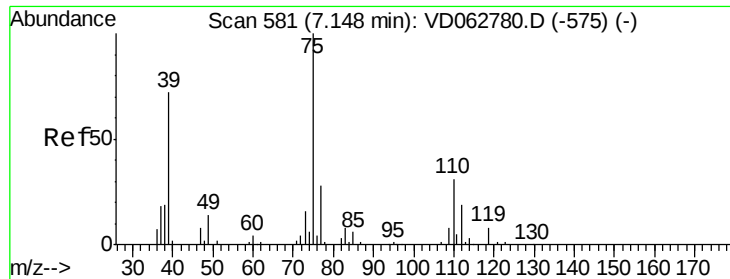


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.095 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

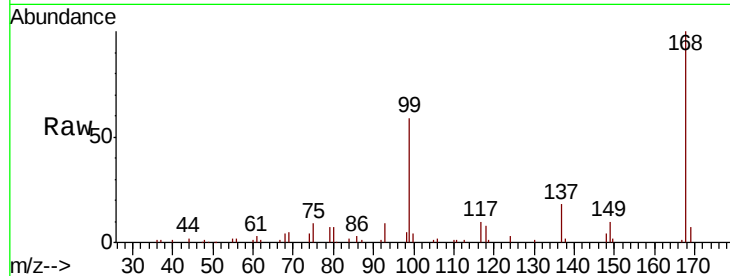
Tot Ion: 75 Resp: 24099

Ion Ratio Lower Upper

75 100

110 11.3 15.0 45.1#

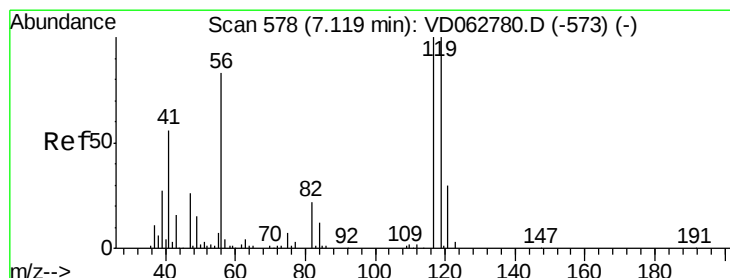
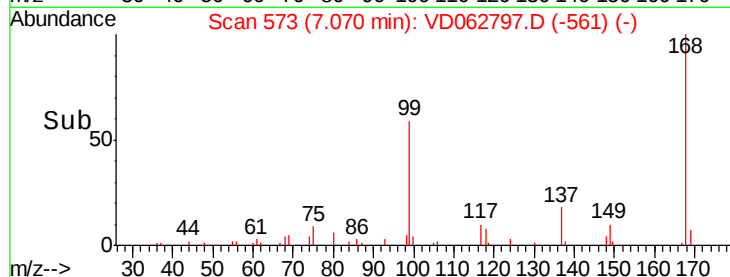
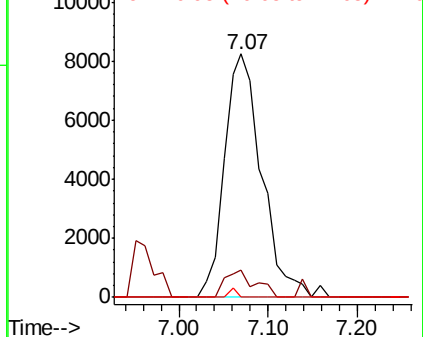
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VD0

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VD0



#38

Carbon Tetrachloride

Concen: 4.453 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

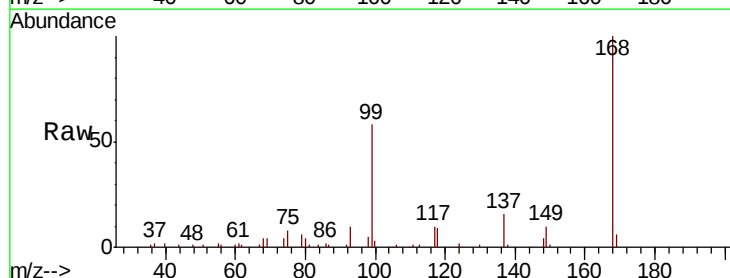
Tgt Ion: 117 Resp: 26479

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.2#

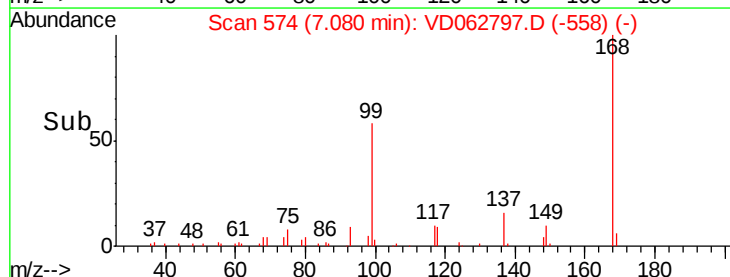
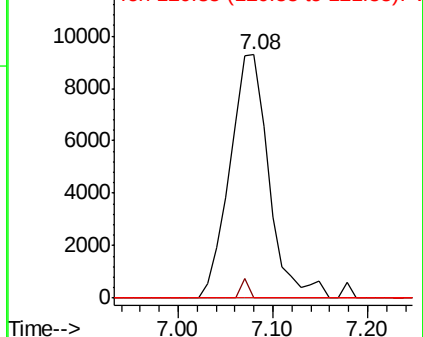
121 0.0 22.3 33.5#

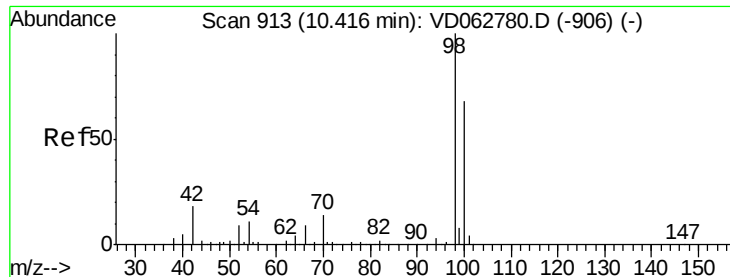


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

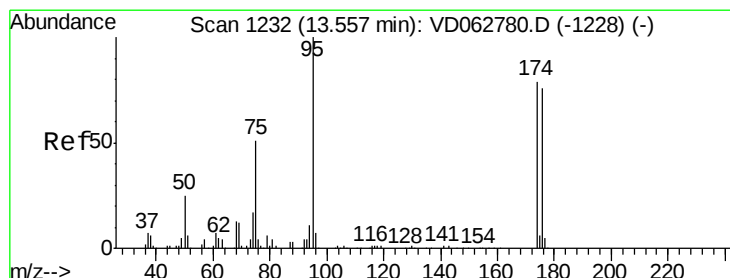
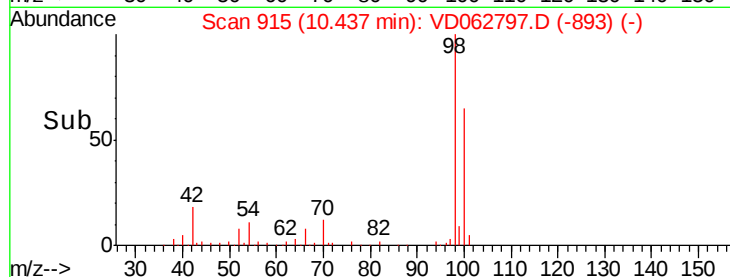
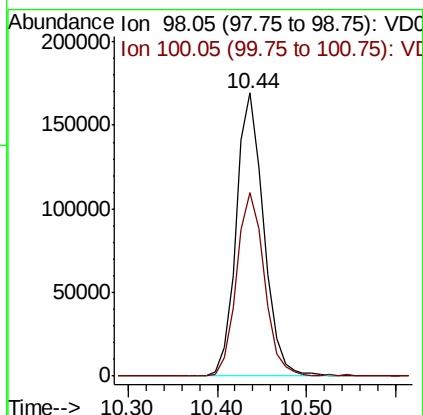
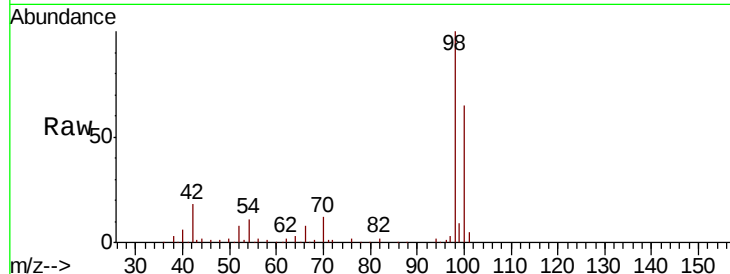




#50
Toluene-d8
Concen: 47.492 ug/l
RT: 10.44 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD062797.D
Acq: 20 Jun 2019 16:43

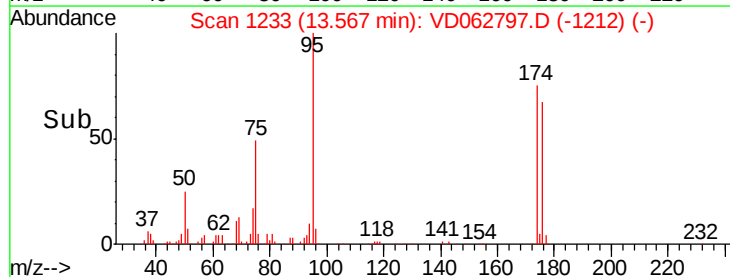
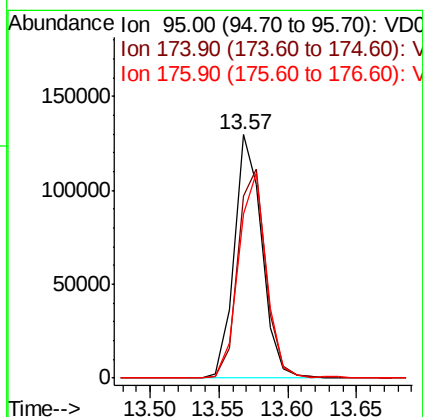
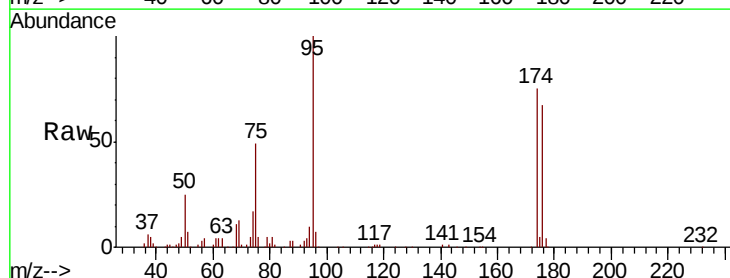
Instrument :
MSVOA_D
ClientSampleId :

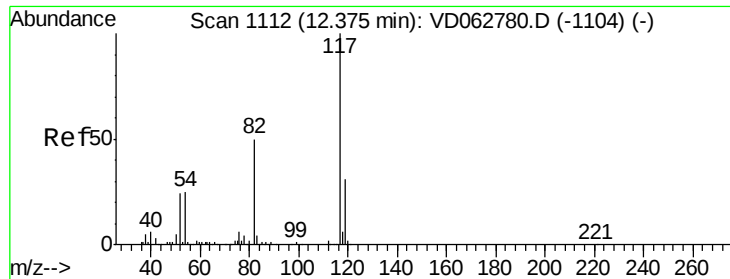
Tot Ion: 98 Resp: 364003
Ion Ratio Lower Upper
98 100
100 64.8 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 51.760 ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062797.D
Acq: 20 Jun 2019 16:43

Tgt Ion: 95 Resp: 180390
Ion Ratio Lower Upper
95 100
174 74.6 0.0 158.0
176 67.5 0.0 151.6

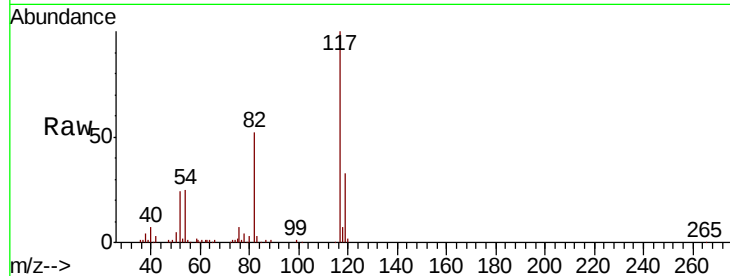




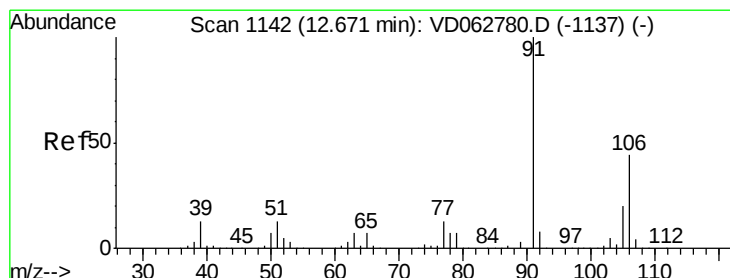
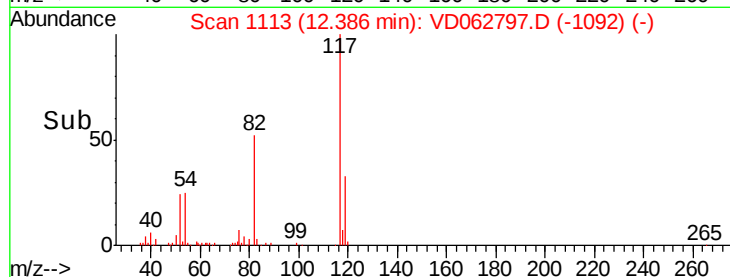
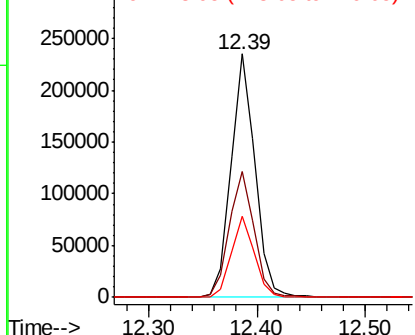
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062797.D
Acq: 20 Jun 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 364030
Ion Ratio Lower Upper
117 100
82 51.9 40.4 60.6
119 33.4 25.2 37.8

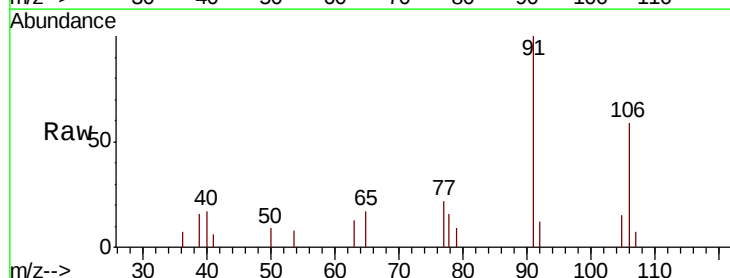


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

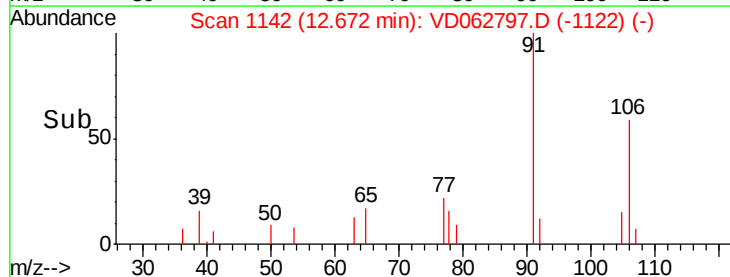
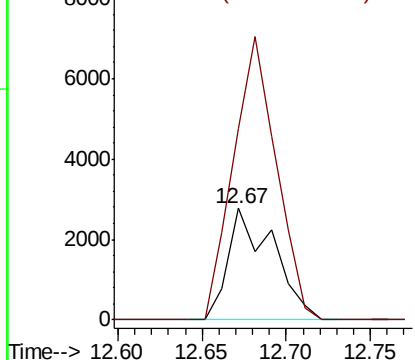


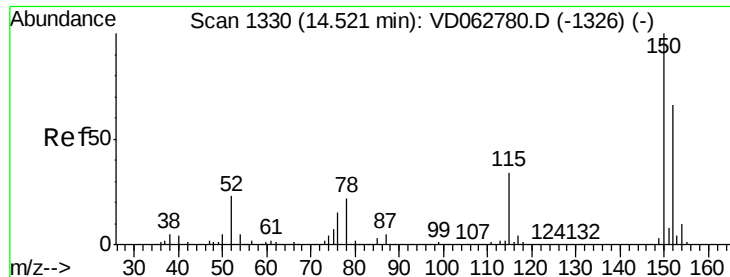
#68
m/p-Xylenes
Concen: 1.232 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062797.D
Acq: 20 Jun 2019 16:43

Tgt Ion:106 Resp: 5206
Ion Ratio Lower Upper
106 100
91 170.8 183.0 274.6#



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V



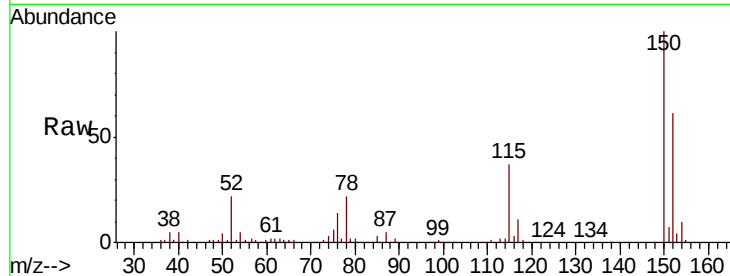


#72

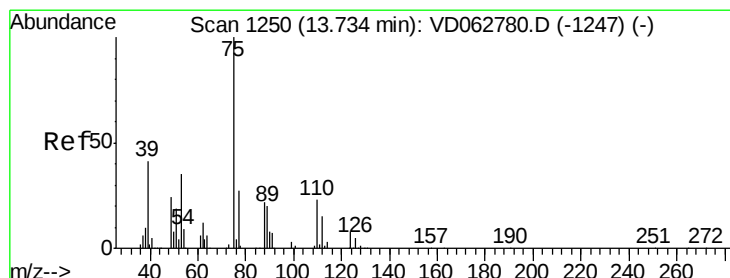
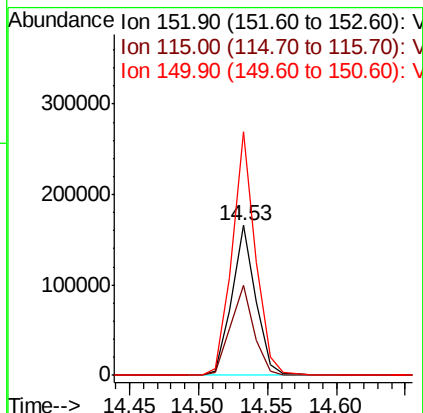
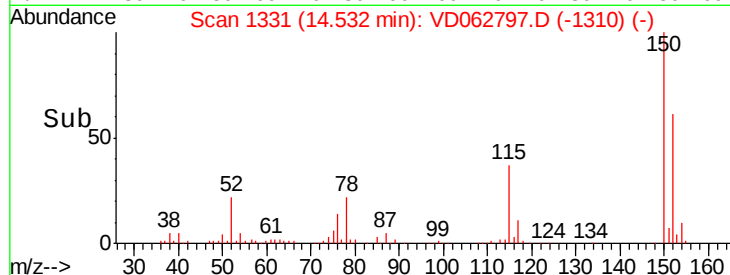
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062797.D
Acq: 20 Jun 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 199483
Ion Ratio Lower Upper
152 100
115 60.0 29.2 87.6
150 162.8 0.0 305.8



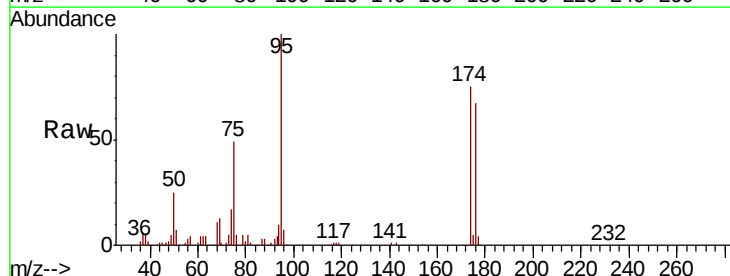
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



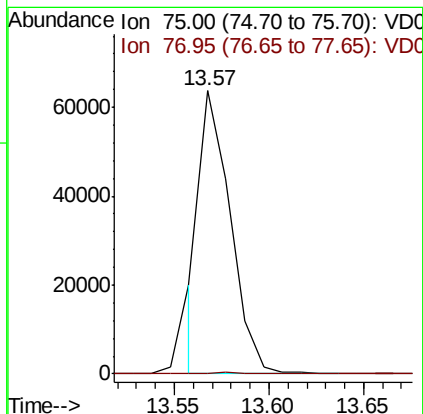
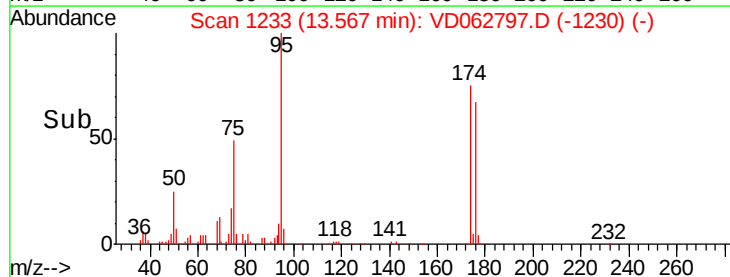
#76

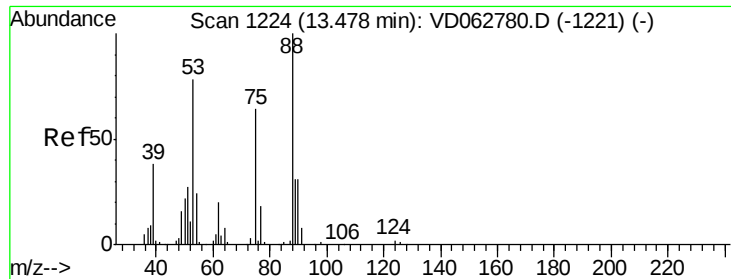
1,2,3-Trichloropropane
Concen: 31.288 ug/l
RT: 13.57 min Scan# 1233
Delta R.T. -0.17 min
Lab File: VD062797.D
Acq: 20 Jun 2019 16:43

Tgt Ion: 75 Resp: 72053
Ion Ratio Lower Upper
75 100
77 0.0 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: 140.174 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062797.D

Acq: 20 Jun 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 84602

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

