

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062792.D
 Acq On : 20 Jun 2019 14:26
 Operator : VA/AP
 Sample : K3447-05
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 21 06:34:43 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	7.09	168	92889	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	129867	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	135177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	80991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	92370	91.48	ug/l	0.03
Spiked Amount 50.000			Recovery	=	182.96%	
35) Dibromofluoromethane	6.96	113	74073	67.64	ug/l	0.03
Spiked Amount 50.000			Recovery	=	135.28%	
50) Toluene-d8	10.43	98	133492	56.01	ug/l	0.02
Spiked Amount 50.000			Recovery	=	112.02%	
62) 4-Bromofluorobenzene	13.57	95	74192	68.46	ug/l	0.02
Spiked Amount 50.000			Recovery	=	136.92%	

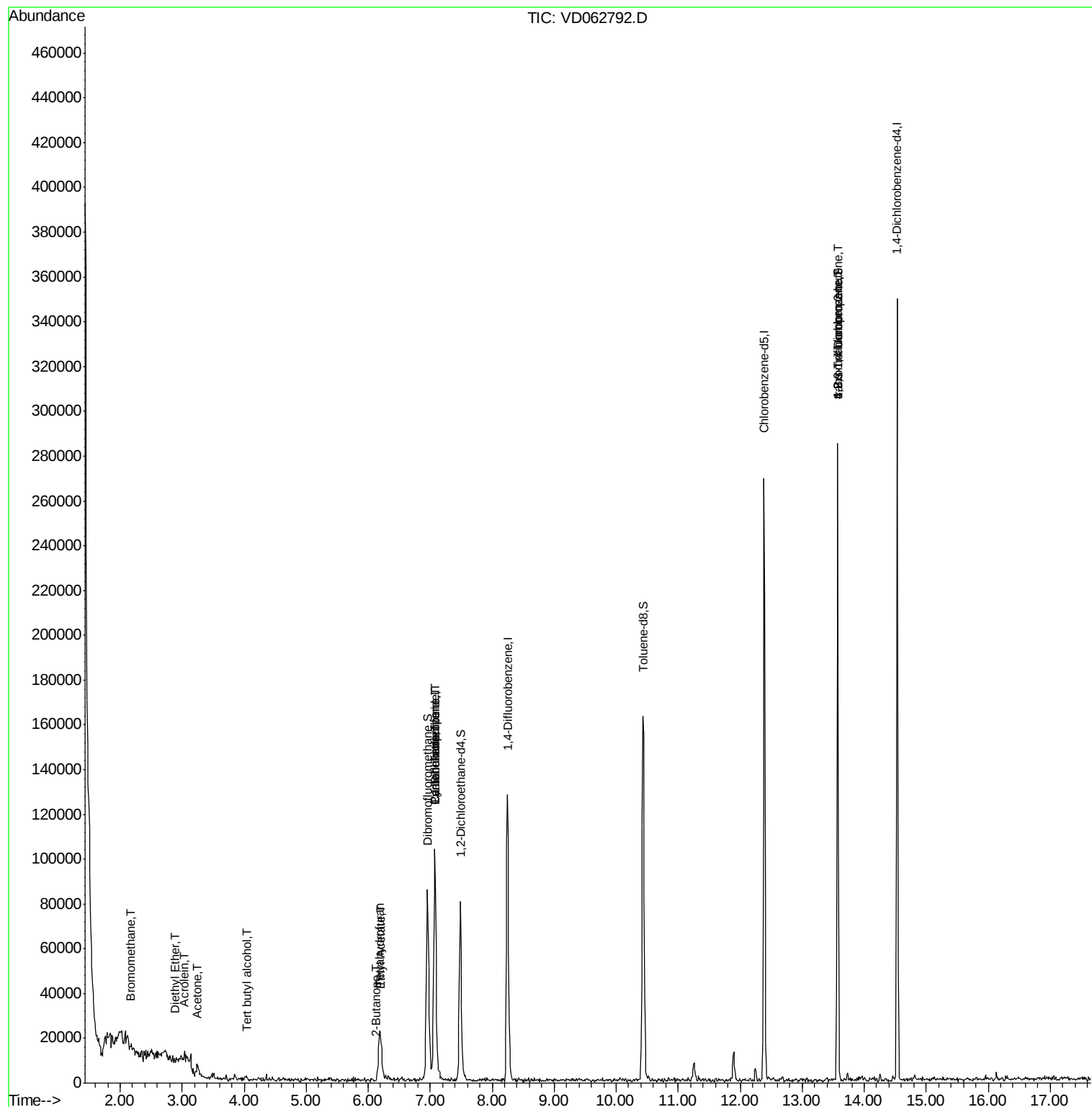
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1827	4.353	ug/l #	13
8) Diethyl Ether	2.88	74	262	1.137	ug/l #	1
11) Tert butyl alcohol	4.05	59	290	6.306	ug/l #	77
13) Acrolein	3.03	56	578	12.312	ug/l #	54
16) Acetone	3.25	43	12578	56.001	ug/l #	78
25) 2-Butanone	6.11	43	445	2.356	ug/l #	64
29) Tetrahydrofuran	6.20	42	445	4.980	ug/l #	33
31) Cyclohexane	7.07	56	1033	1.089	ug/l #	44
36) 1,1-Dichloropropene	7.07	75	7439	6.051	ug/l #	46
37) Ethyl Acetate	6.21	43	1082	1.016	ug/l #	30
38) Carbon Tetrachloride	7.08	117	8776	4.747	ug/l #	13
76) 1,2,3-Trichloropropane	13.57	75	34773	37.191	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	37243	151.984	ug/l #	2

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

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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 575

Delta R.T. 0.04 min

Lab File: VD062792.D

Acq: 20 Jun 2019 14:26

Instrument :

MSVOA_D

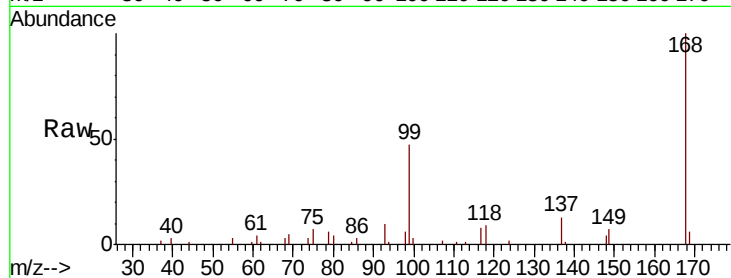
ClientSampleId :

Tot Ion:168 Resp: 92889

Ion Ratio Lower Upper

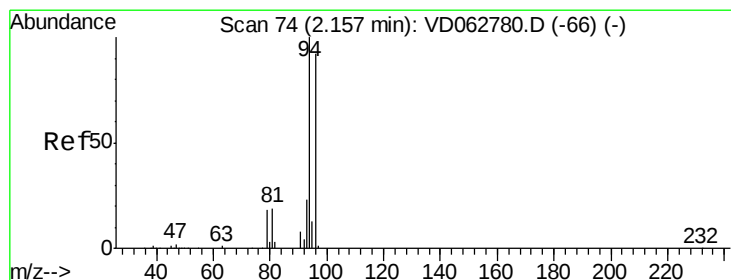
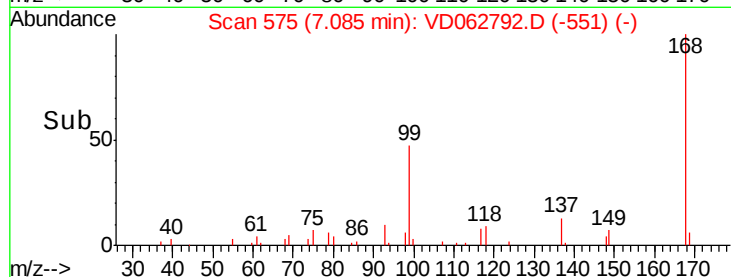
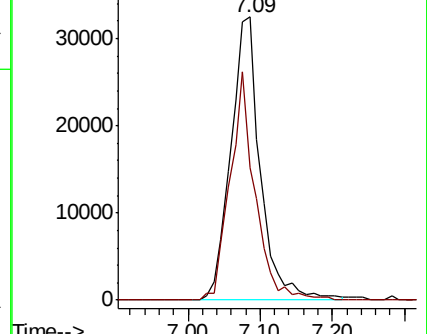
168 100

99 46.6 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: 4.353 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062792.D

Acq: 20 Jun 2019 14:26

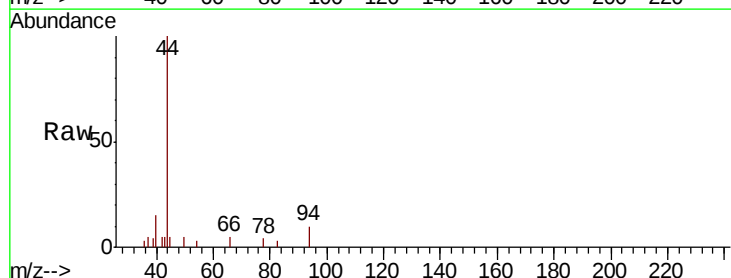
Tgt Ion: 94 Resp: 1827

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

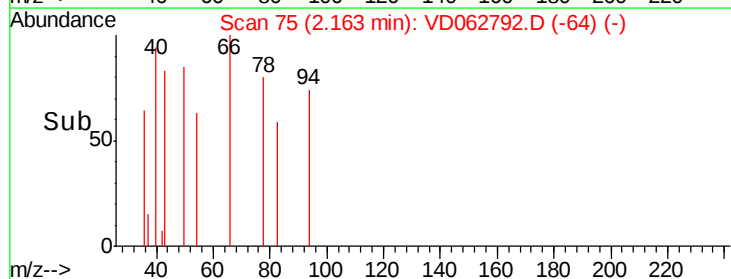
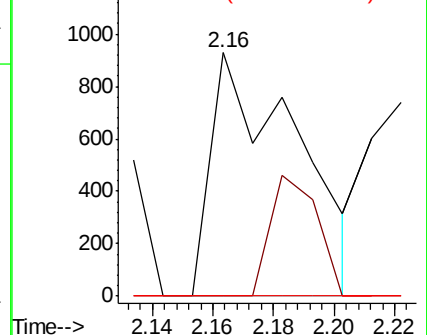
93 0.0 18.2 27.4#

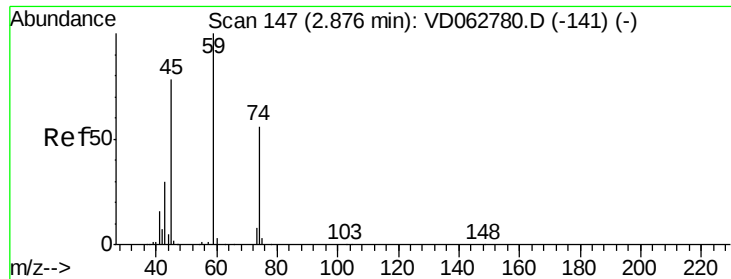


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.137 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD062792.D

Acq: 20 Jun 2019 14:26

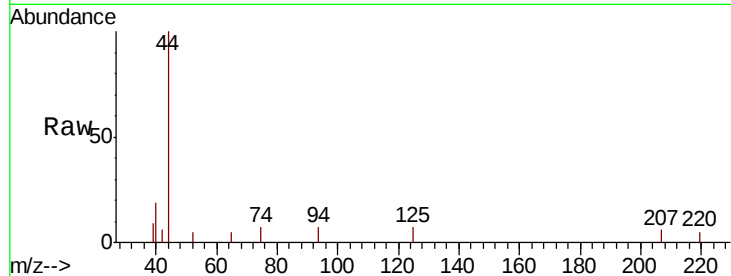
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 74 Resp: 262

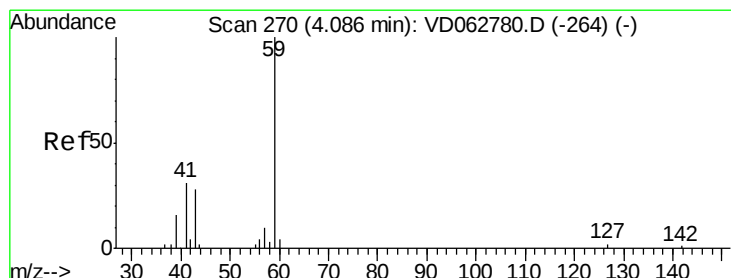
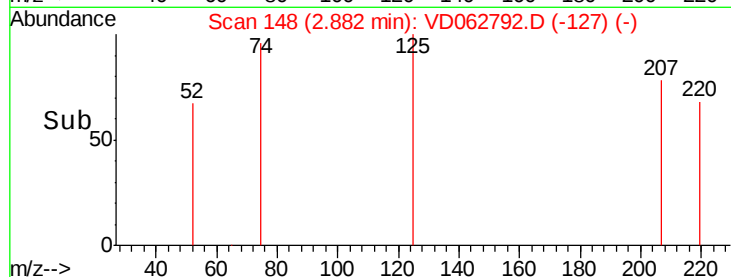
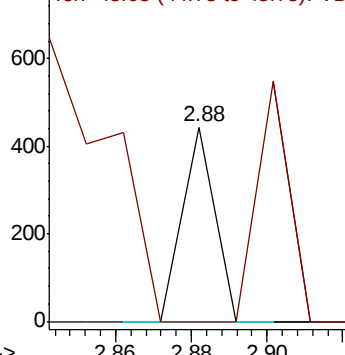
Ion Ratio Lower Upper

74 100

45 0.0 70.2 210.6#



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 6.306 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.03 min

Lab File: VD062792.D

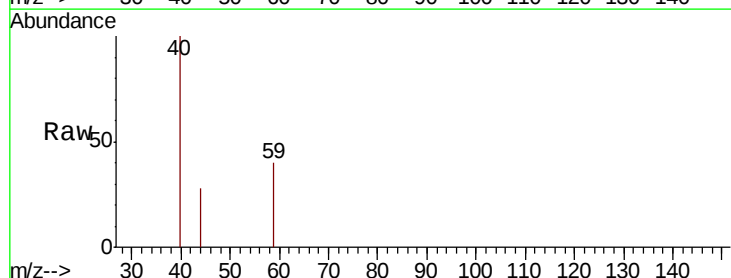
Acq: 20 Jun 2019 14:26

Tgt Ion: 59 Resp: 290

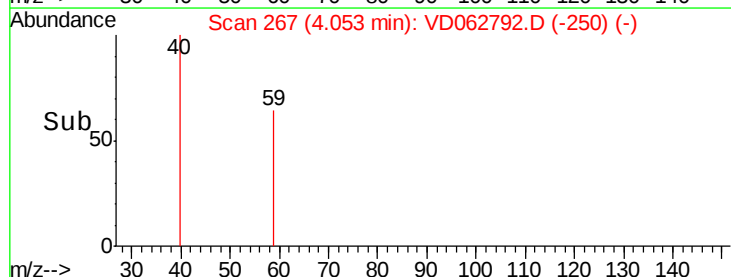
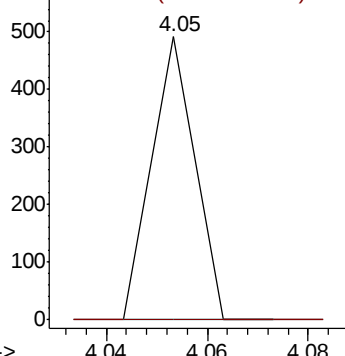
Ion Ratio Lower Upper

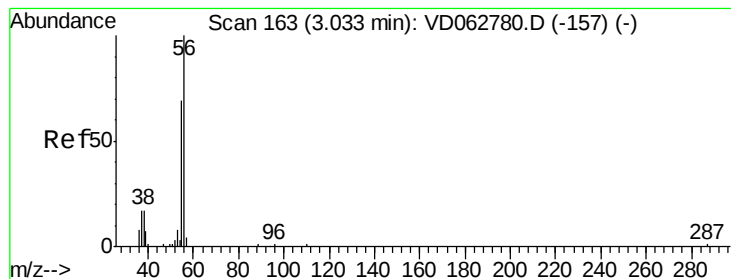
59 100

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





#13

Acrolein

Concen: 12.312 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062792.D

Acq: 20 Jun 2019 14:26

Instrument :

MSVOA_D

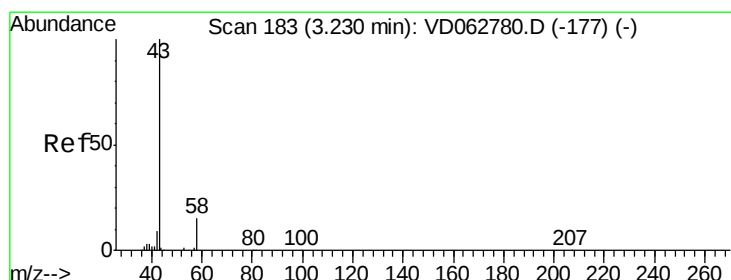
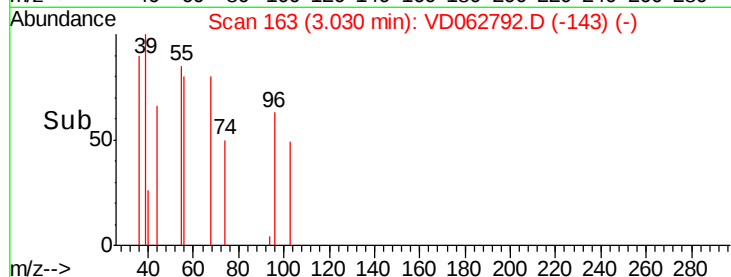
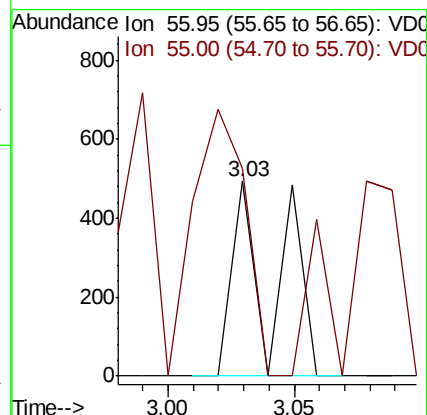
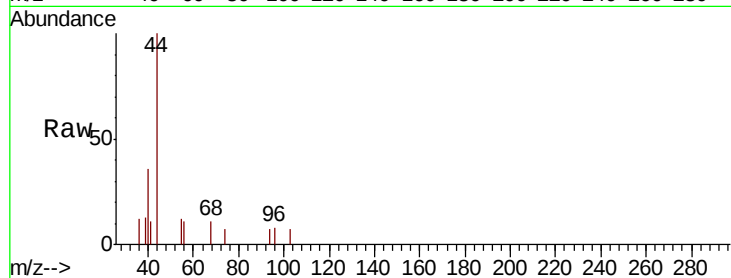
ClientSampleId :

Tot Ion: 56 Resp: 578

Ion Ratio Lower Upper

56 100

55 106.7 55.4 83.0#



#16

Acetone

Concen: 56.001 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD062792.D

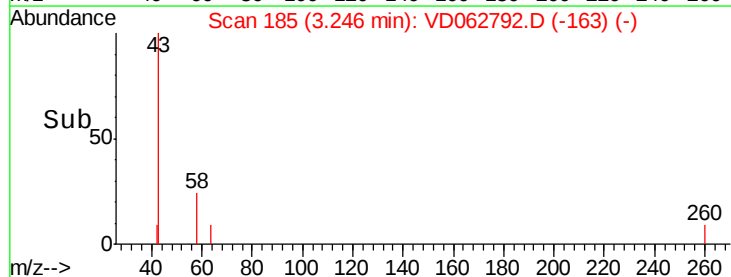
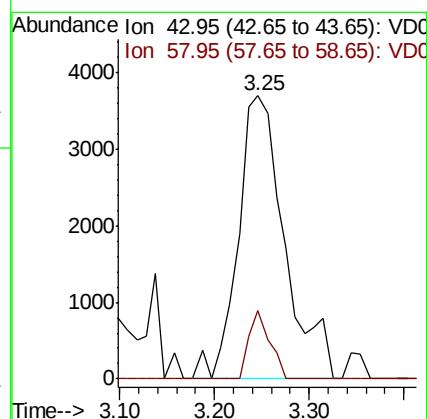
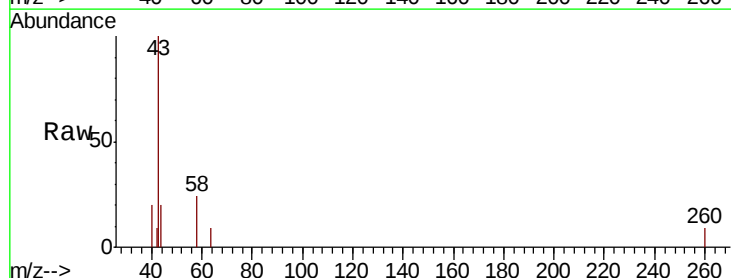
Acq: 20 Jun 2019 14:26

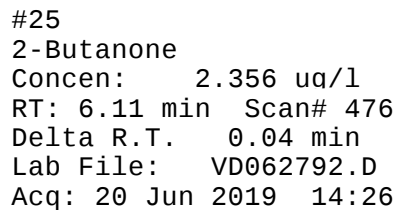
Tgt Ion: 43 Resp: 12578

Ion Ratio Lower Upper

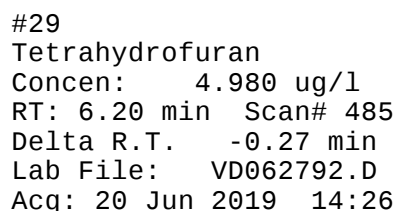
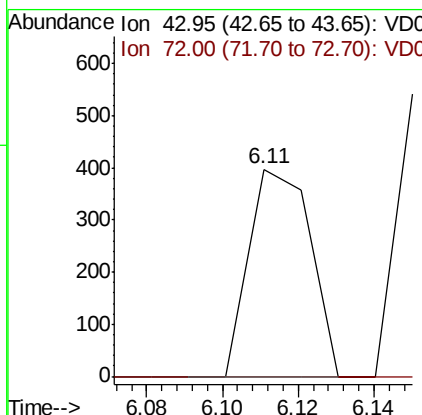
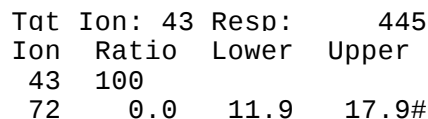
43 100

58 24.1 11.9 17.9#

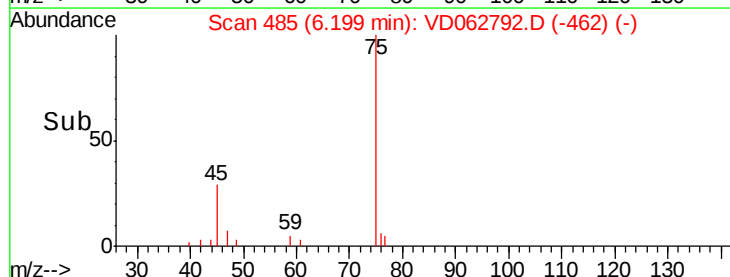
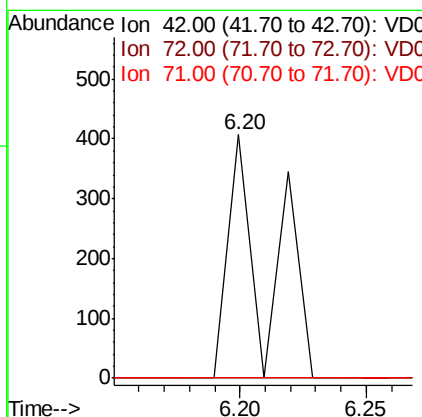


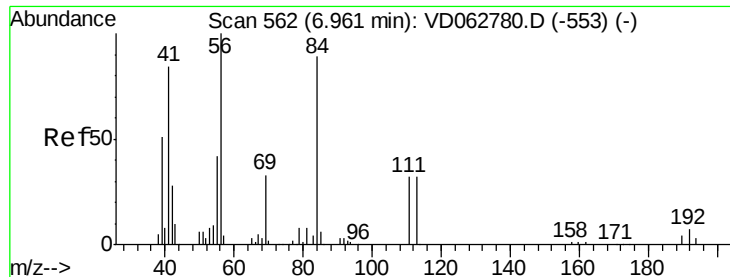


Instrument :
MSVOA_D
ClientSampleId :



Tgt	Ion: 42	Resp:	445
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.0	52.6#
71	0.0	33.3	49.9#

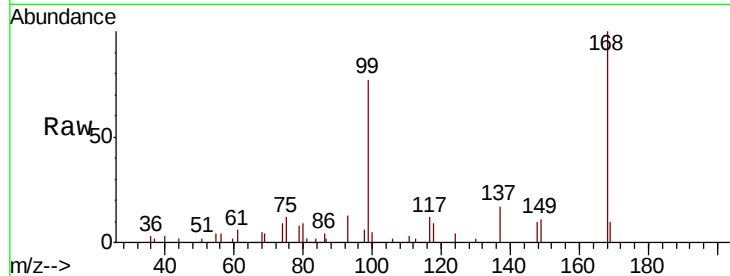




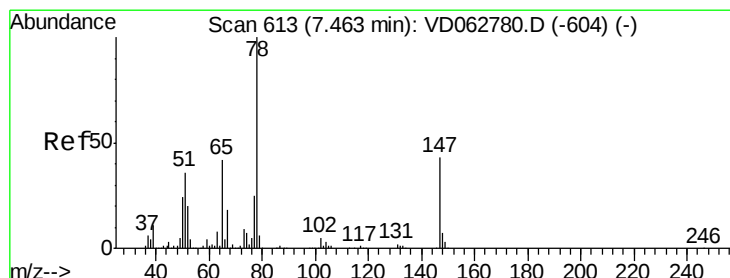
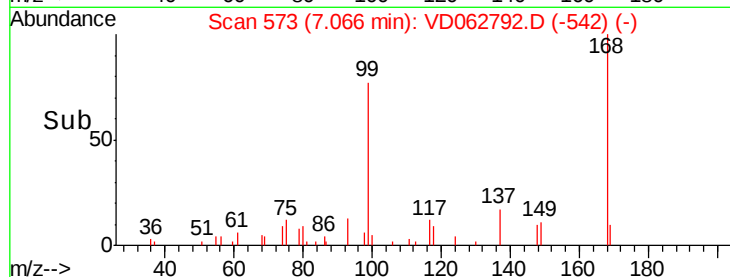
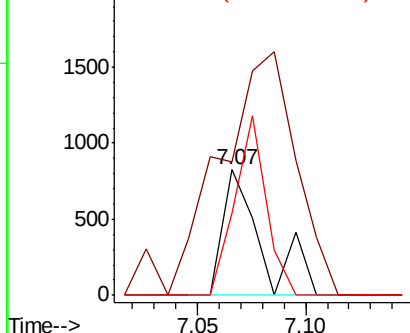
#31
Cyclohexane
Concen: 1.089 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.10 min
Lab File: VD062792.D
Acq: 20 Jun 2019 14:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 1033
Ion Ratio Lower Upper
56 100
69 106.0 26.6 39.8#
84 65.4 75.5 113.3#

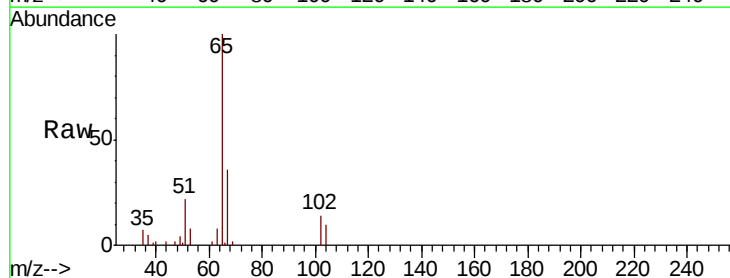


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

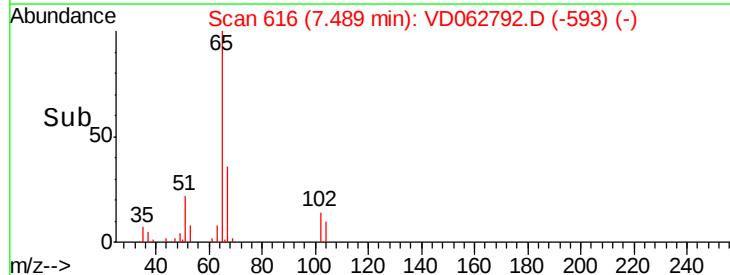
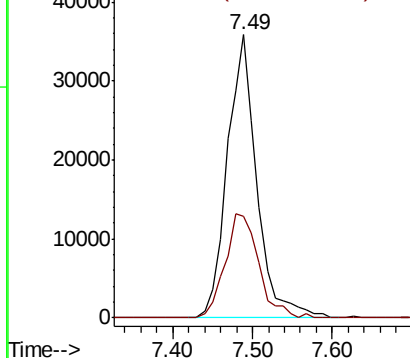


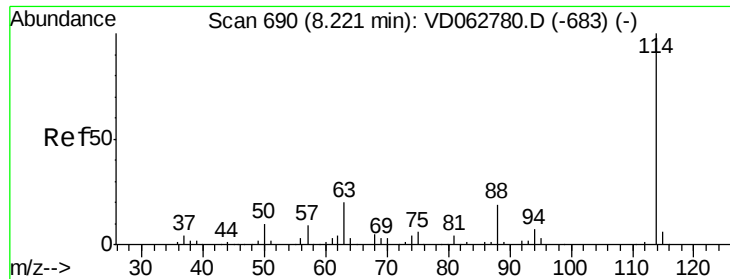
#33
1,2-Dichloroethane-d4
Concen: 91.484 ug/l
RT: 7.49 min Scan# 616
Delta R.T. 0.03 min
Lab File: VD062792.D
Acq: 20 Jun 2019 14:26

Tgt Ion: 65 Resp: 92370
Ion Ratio Lower Upper
65 100
67 35.8 0.0 87.4



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

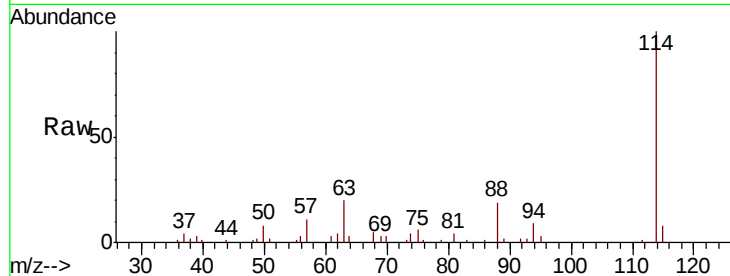




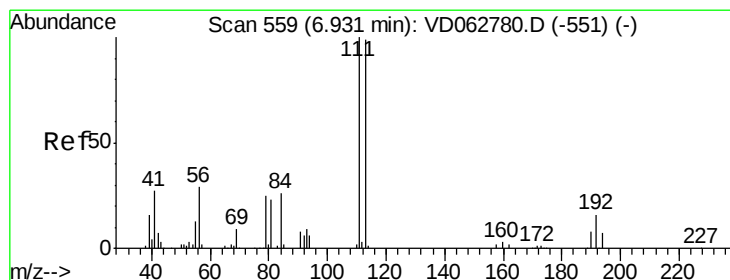
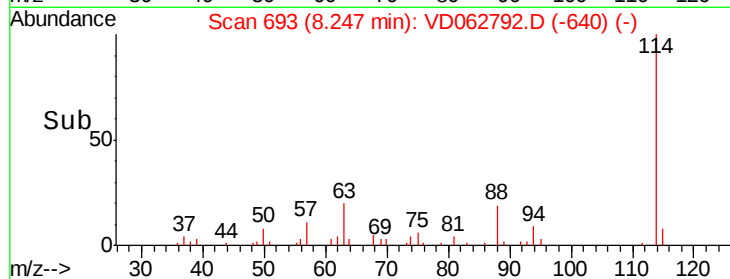
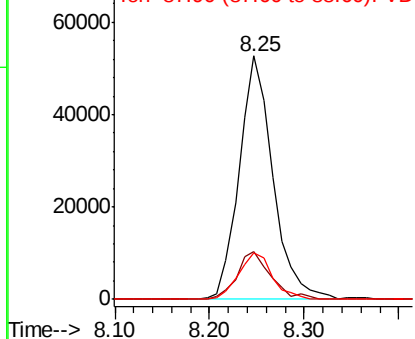
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD062792.D
 Acq: 20 Jun 2019 14:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 129867
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 19.2 0.0 38.8

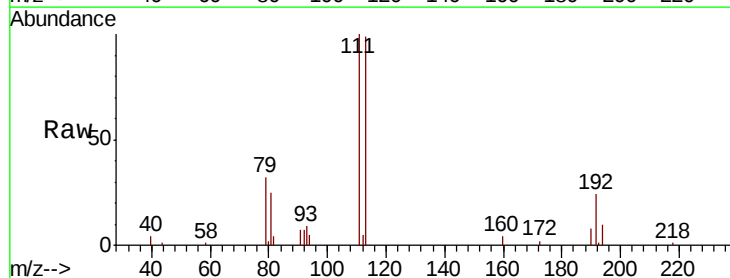


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

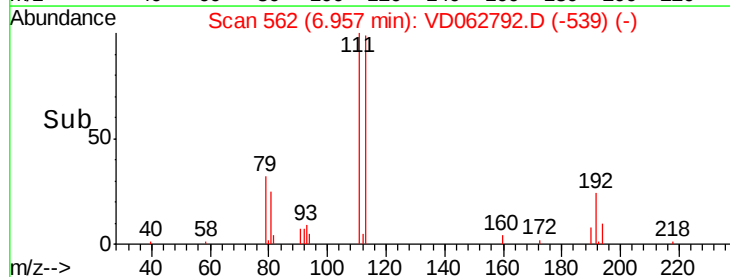
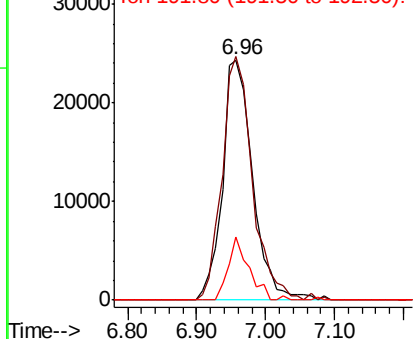


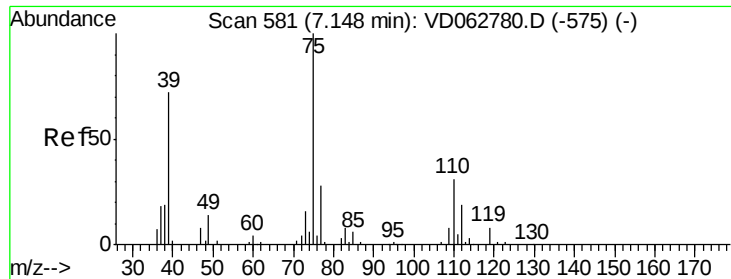
#35
 Dibromofluoromethane
 Concen: 67.645 ug/l
 RT: 6.96 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD062792.D
 Acq: 20 Jun 2019 14:26

Tgt Ion:113 Resp: 74073
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.2 121.8
 192 26.2 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: 6.051 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD062792.D

Acq: 20 Jun 2019 14:26

Instrument :
MSVOA_D
ClientSampleId :

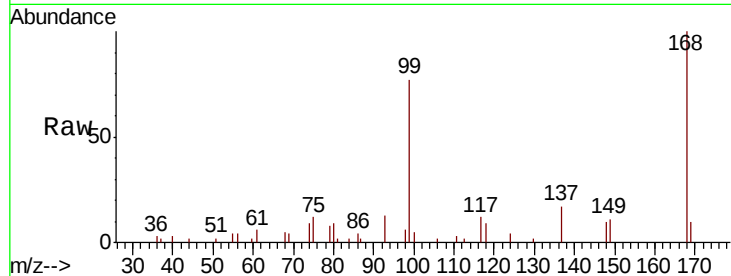
Tot Ion: 75 Resp: 7439

Ion Ratio Lower Upper

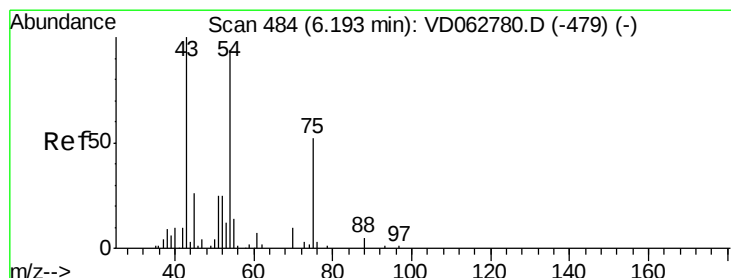
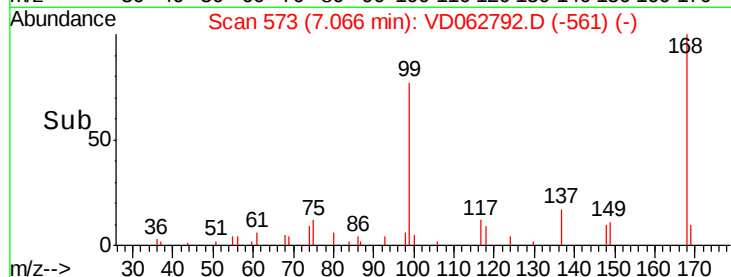
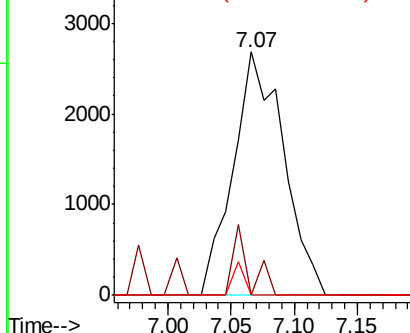
75 100

110 0.0 15.0 45.1#

77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.016 ug/l

RT: 6.21 min Scan# 486

Delta R.T. 0.02 min

Lab File: VD062792.D

Acq: 20 Jun 2019 14:26

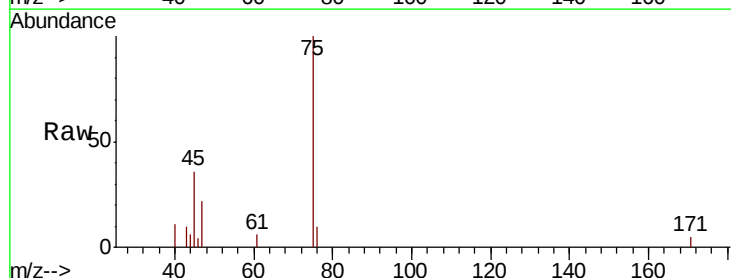
Tgt Ion: 43 Resp: 1082

Ion Ratio Lower Upper

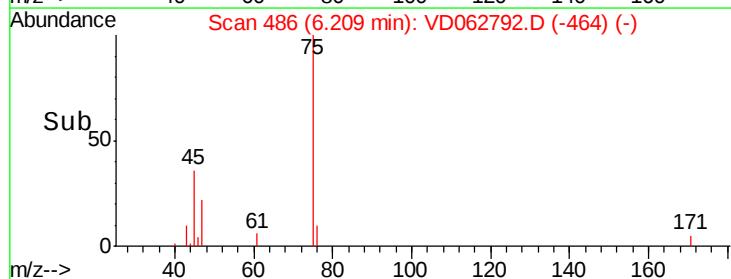
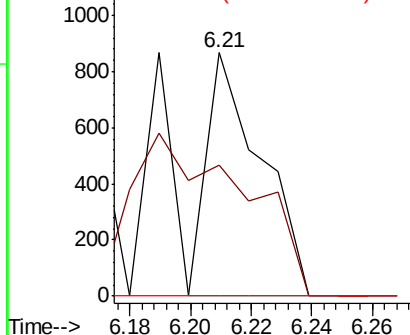
43 100

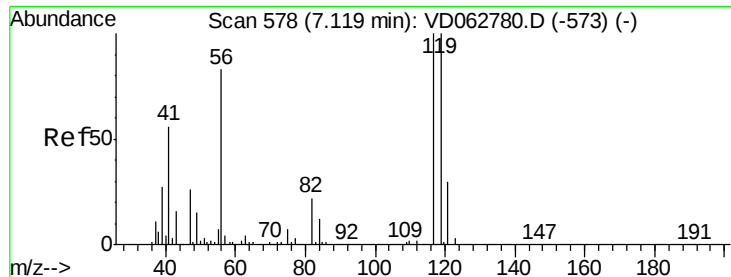
61 54.0 11.6 17.4#

70 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 4.747 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD062792.D

Acq: 20 Jun 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

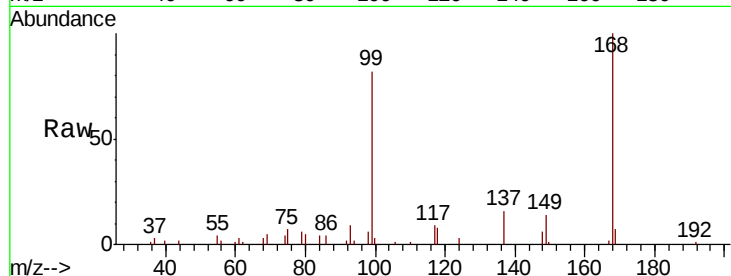
Tot Ion:117 Resp: 8776

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.2#

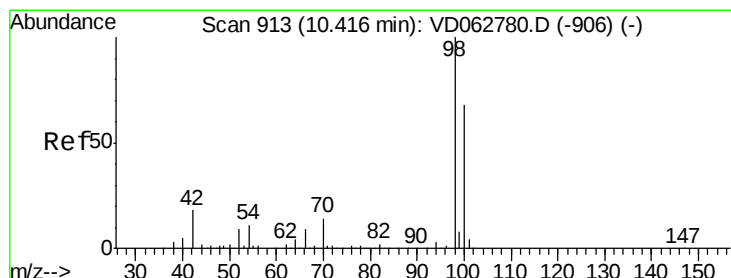
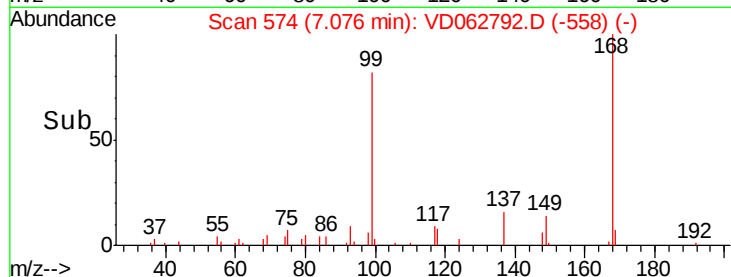
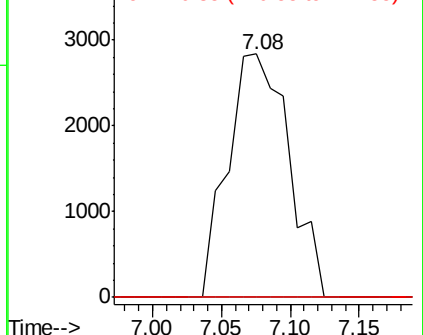
121 0.0 22.3 33.5#



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: 56.012 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.02 min

Lab File: VD062792.D

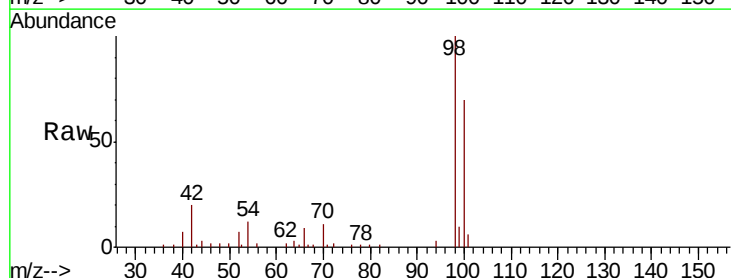
Acq: 20 Jun 2019 14:26

Tgt Ion: 98 Resp: 133492

Ion Ratio Lower Upper

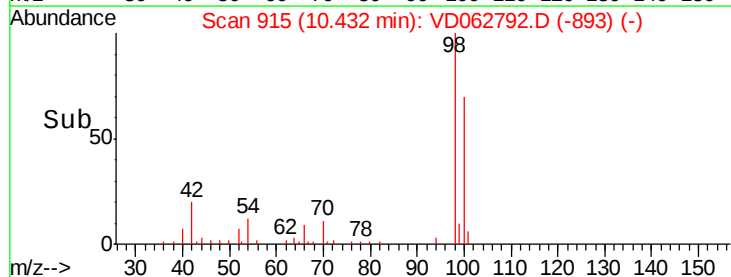
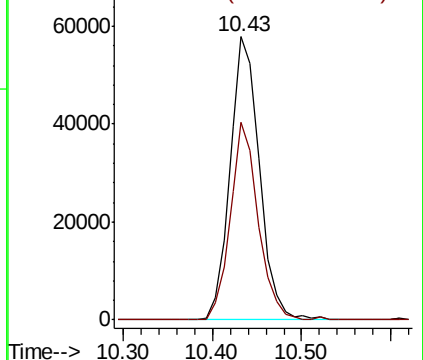
98 100

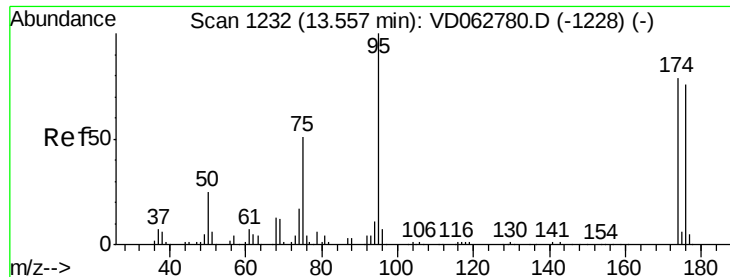
100 70.0 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

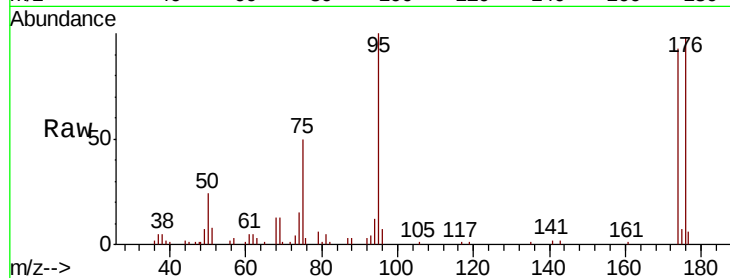




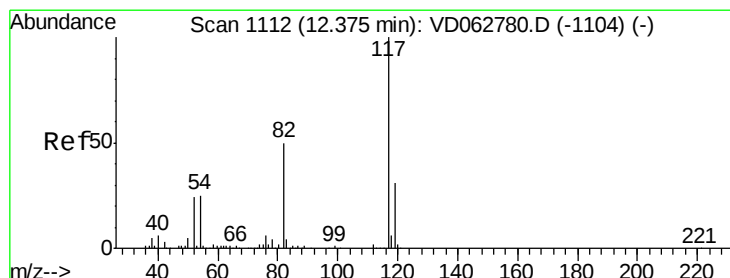
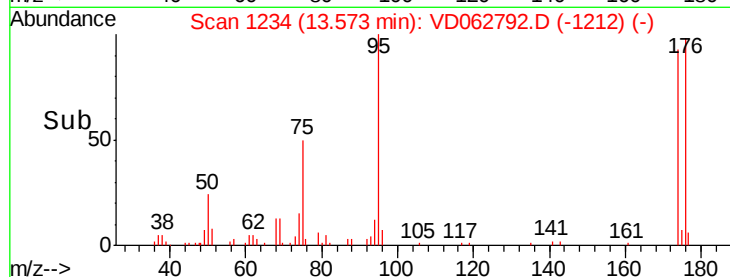
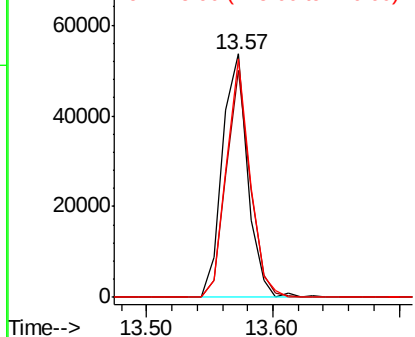
#62
4-Bromofluorobenzene
Concen: 68.462 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062792.D
Acq: 20 Jun 2019 14:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 74192
Ion Ratio Lower Upper
95 100
174 93.3 0.0 158.0
176 97.9 0.0 151.6

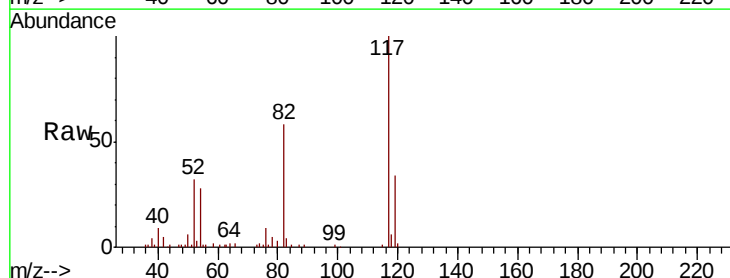


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

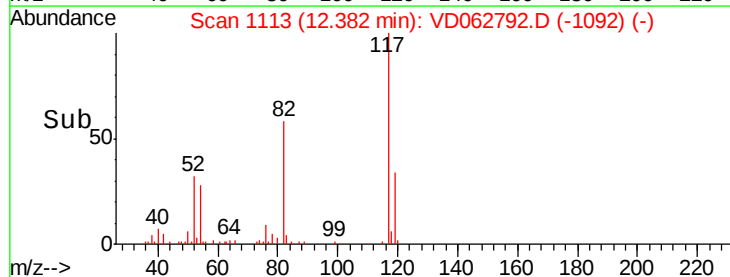
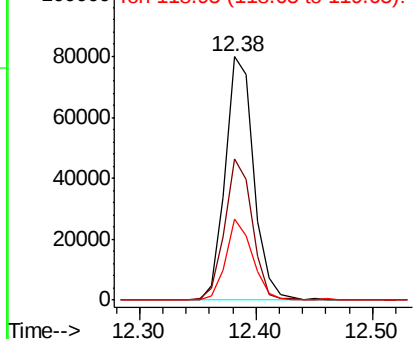


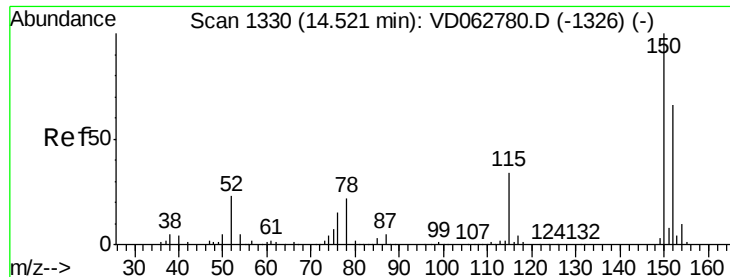
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062792.D
Acq: 20 Jun 2019 14:26

Tgt Ion: 117 Resp: 135177
Ion Ratio Lower Upper
117 100
82 57.8 40.4 60.6
119 33.5 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: VD062792.D

Acq: 20 Jun 2019 14:26

Instrument :

MSVOA_D

ClientSampled :

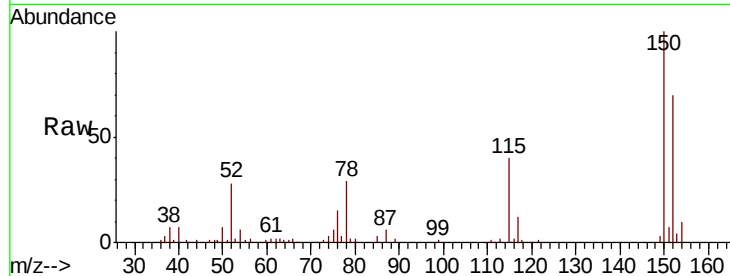
Tot Ion:152 Resp: 80991

Ion Ratio Lower Upper

152 100

115 57.4 29.2 87.6

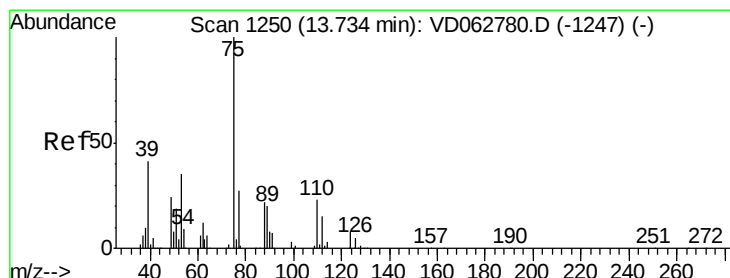
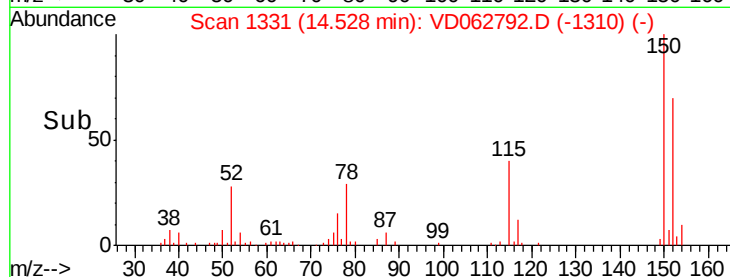
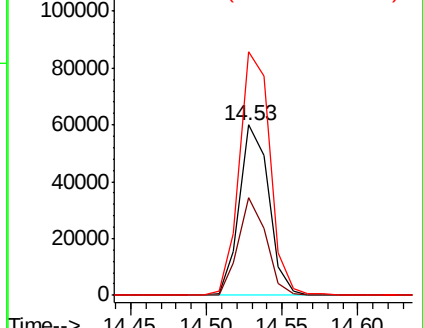
150 142.9 0.0 305.8



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: 37.191 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062792.D

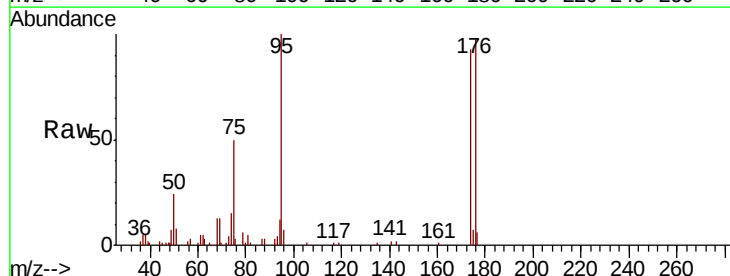
Acq: 20 Jun 2019 14:26

Tgt Ion: 75 Resp: 34773

Ion Ratio Lower Upper

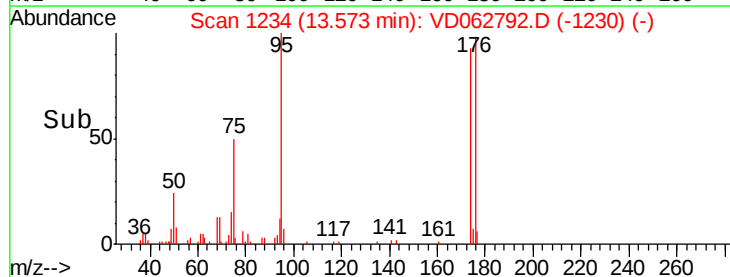
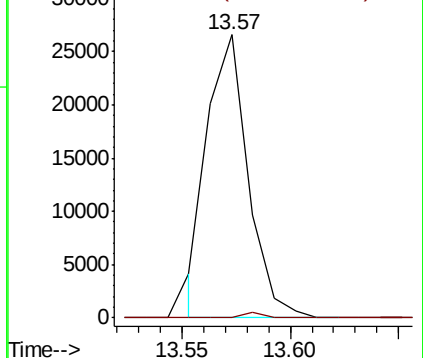
75 100

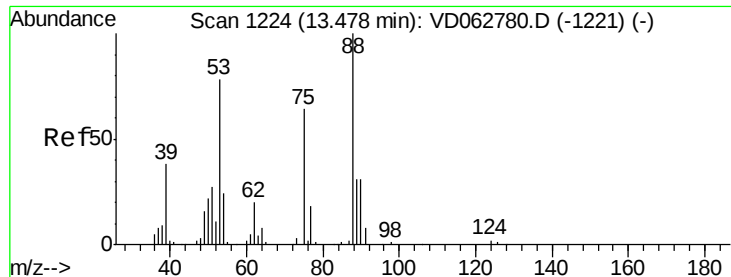
77 0.0 15.0 45.1#



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: 151.984 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD062792.D

Acq: 20 Jun 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

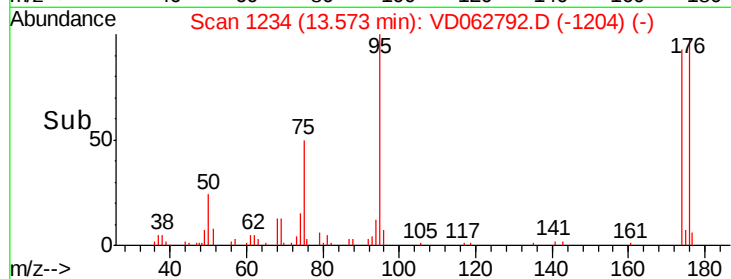
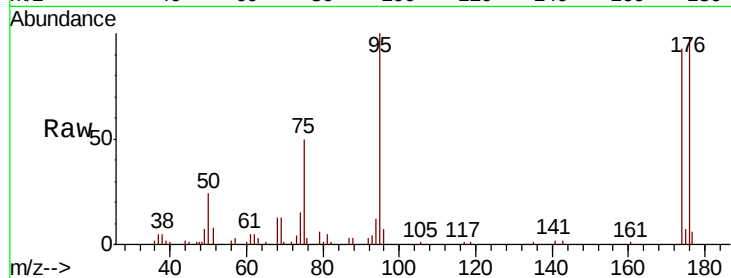
Tot Ion: 75 Resp: 37243

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

