

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067329.D
 Acq On : 20 Oct 2020 17:35
 Operator : VA/SY
 Sample : L4436-09
 Misc : 10.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 36B

Quant Time: Oct 21 01:51:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	28133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	43884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	48260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	22353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	22515	79.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	159.76%	
35) Dibromofluoromethane	7.92	113	17003	58.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.44%	
50) Toluene-d8	10.34	98	55512	52.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.63	95	17855	48.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.16%	

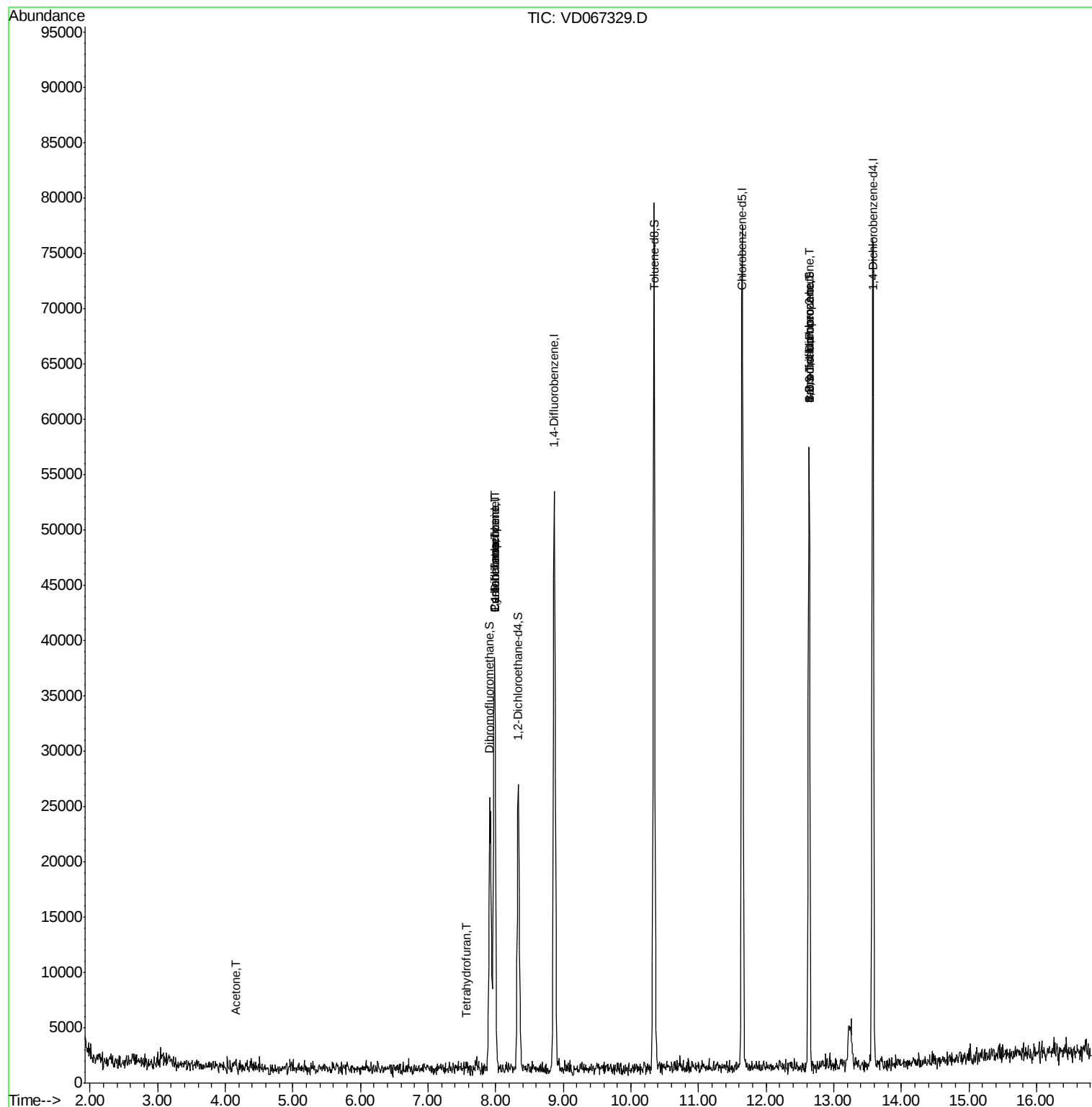
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	68	Below Cal	#	3
16) Acetone	4.16	43	140	3.547	ug/l #	42
29) Tetrahydrofuran	7.57	42	62	2.479	ug/l #	1
31) Cyclohexane	7.98	56	435	1.340	ug/l #	48
36) 1,1-Dichloropropene	7.98	75	2222	5.974	ug/l #	47
38) Carbon Tetrachloride	7.98	117	3360	7.068	ug/l #	13
71) Bromoform	12.64	173	208	1.053	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	9752	62.946	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	9752	142.742	ug/l #	10

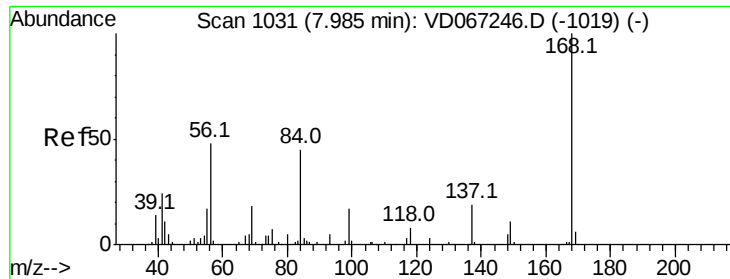
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102020\
Data File : VD067329.D
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Sample : L4436-09
Misc : 10.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
36B

Quant Time: Oct 21 01:51:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067329.D

Acq: 20 Oct 2020 17:35

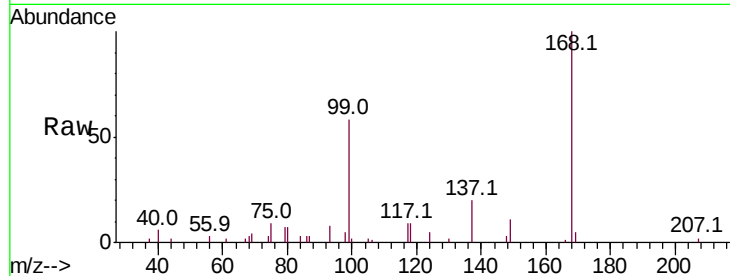
Instrument :
MSVOA_D
ClientSampled :
36B

Tot Ion:168 Resp: 28133

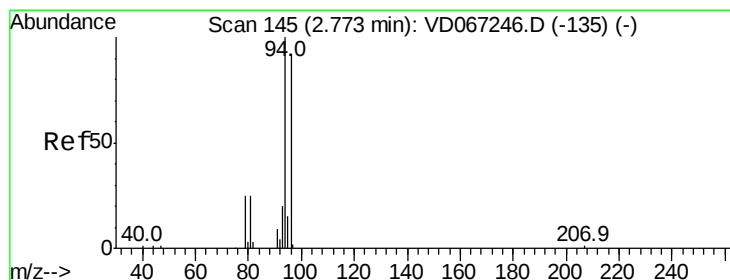
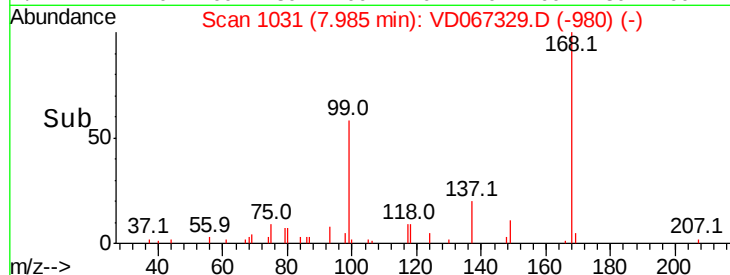
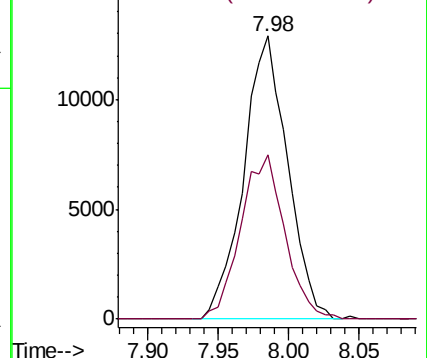
Ion Ratio Lower Upper

168 100

99 57.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067329.D

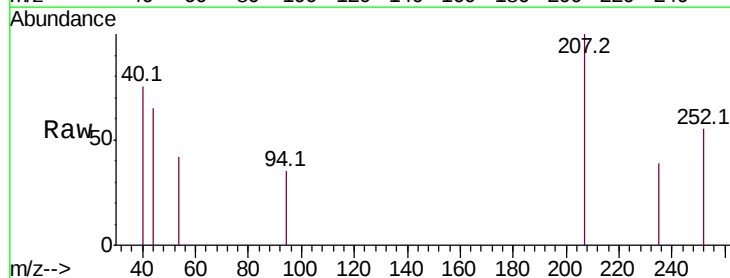
Acq: 20 Oct 2020 17:35

Tgt Ion: 94 Resp: 68

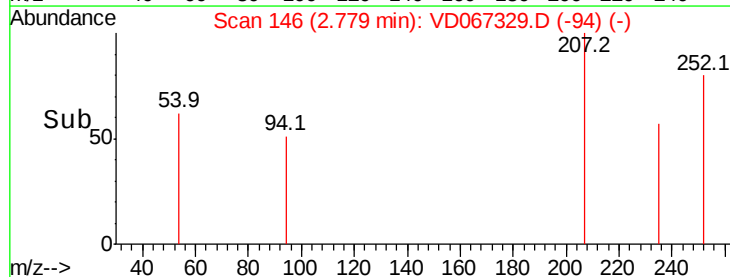
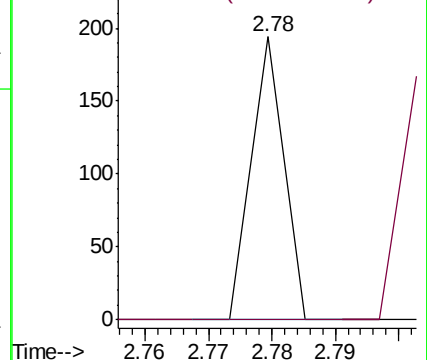
Ion Ratio Lower Upper

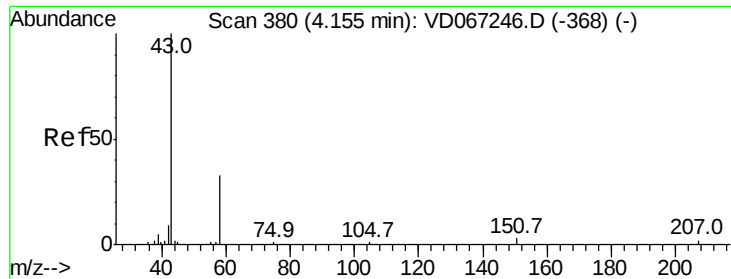
94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 3.547 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067329.D

Acq: 20 Oct 2020 17:35

Instrument :

MSVOA_D

ClientSampled :

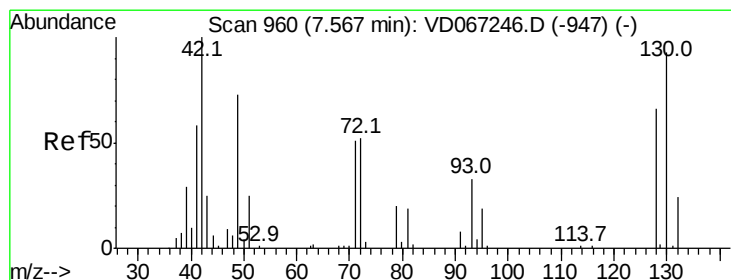
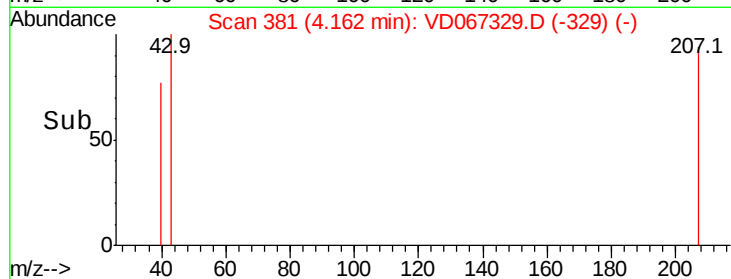
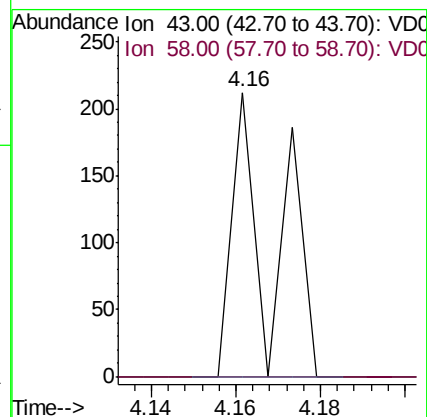
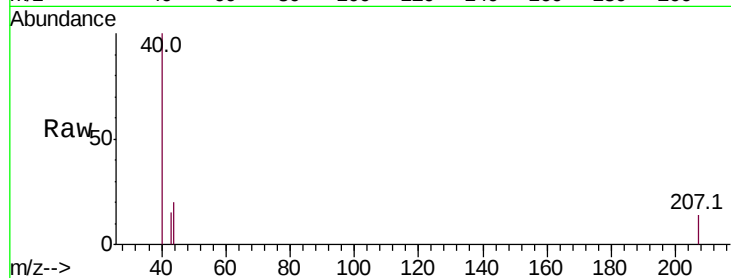
36B

Tot Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#



#29

Tetrahydrofuran

Concen: 2.479 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067329.D

Acq: 20 Oct 2020 17:35

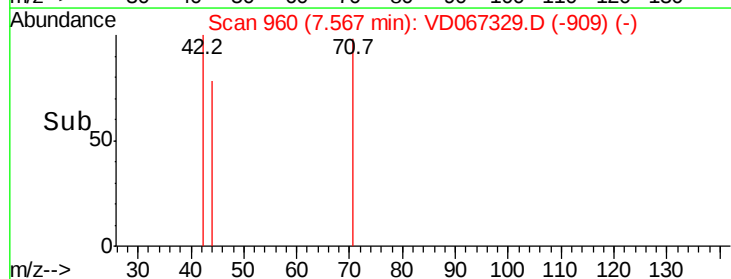
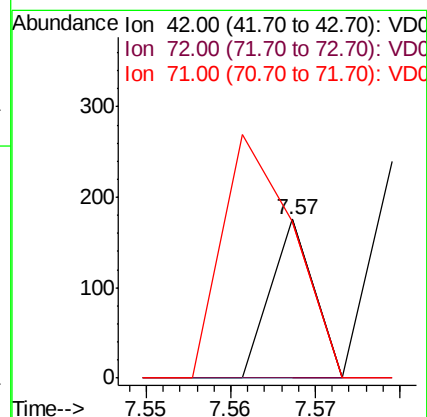
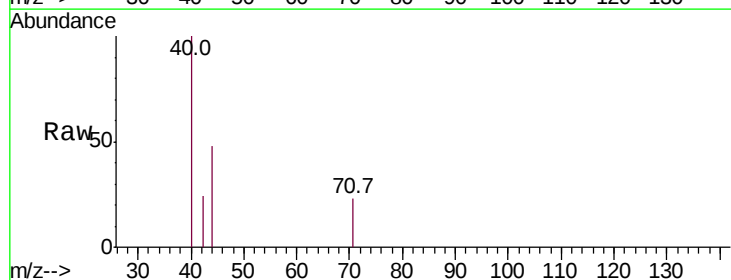
Tgt Ion: 42 Resp: 62

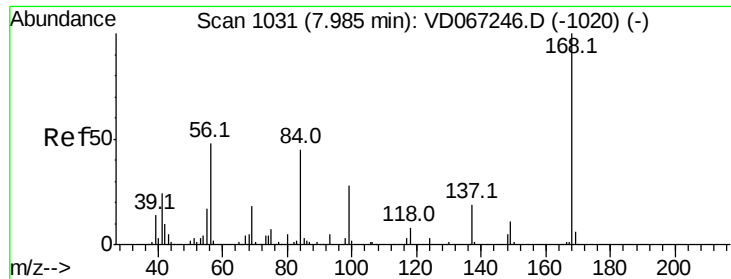
Ion Ratio Lower Upper

42 100

72 0.0 43.2 64.8#

71 251.6 39.4 59.0#

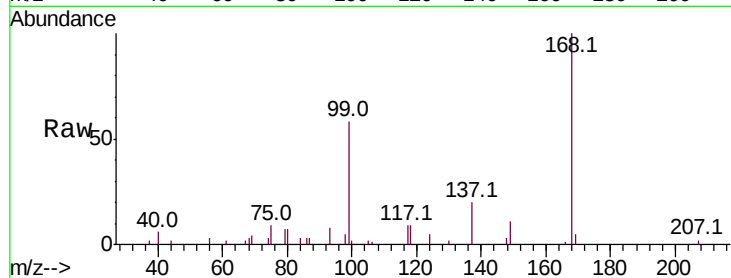




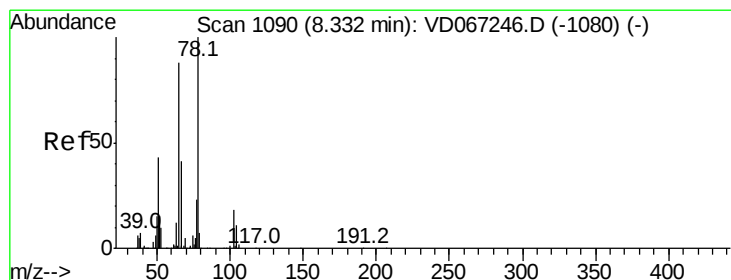
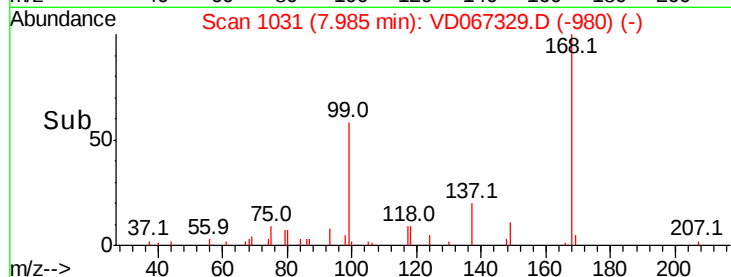
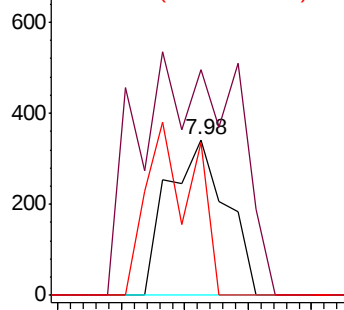
#31
Cyclohexane
Concen: 1.340 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067329.D
Acq: 20 Oct 2020 17:35

Instrument :
MSVOA_D
ClientSampleId :
36B

Tot Ion: 56 Resp: 435
Ion Ratio Lower Upper
56 100
69 144.7 29.8 44.6#
84 98.0 76.6 114.8

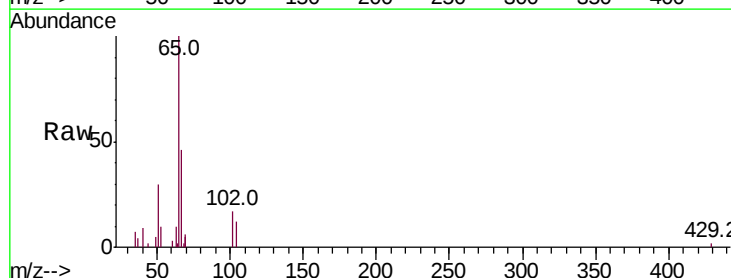


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

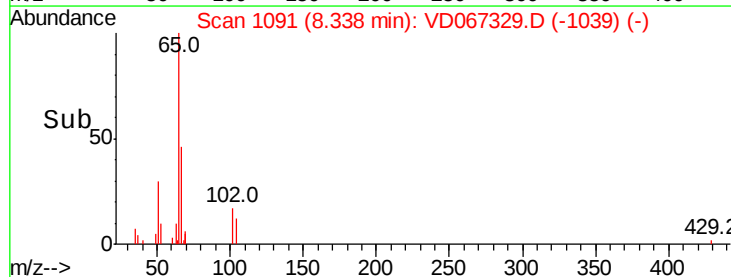
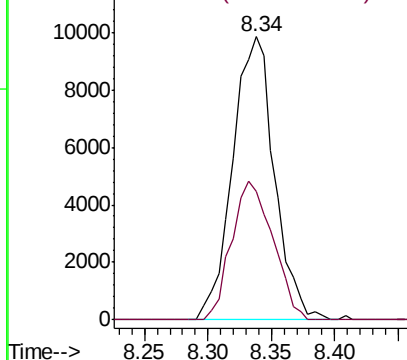


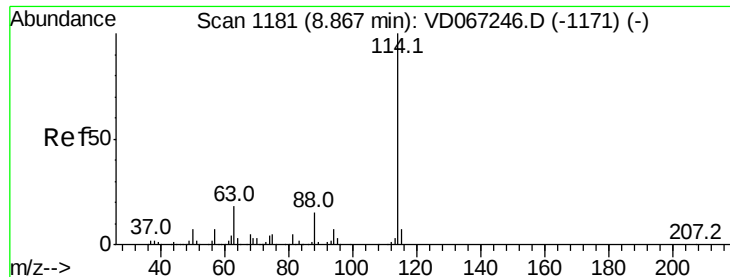
#33
1,2-Dichloroethane-d4
Concen: 79.883 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067329.D
Acq: 20 Oct 2020 17:35

Tgt Ion: 65 Resp: 22515
Ion Ratio Lower Upper
65 100
67 48.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

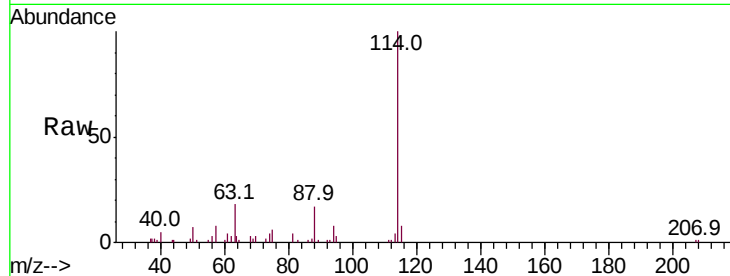




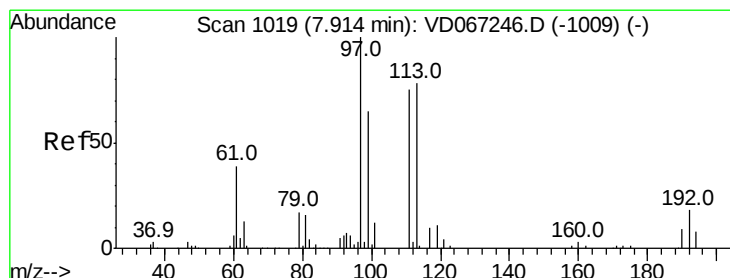
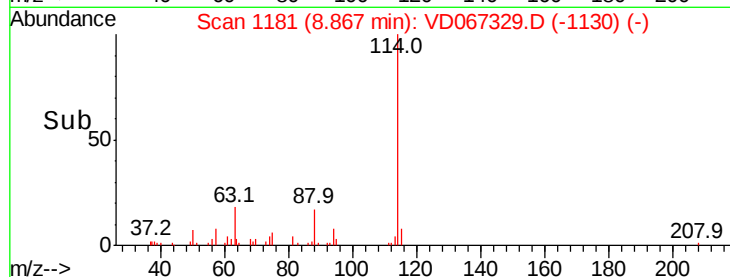
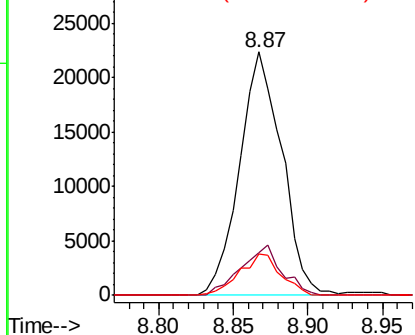
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067329.D
 Acq: 20 Oct 2020 17:35

Instrument :
 MSVOA_D
 ClientSampled :
 36B

Tot Ion:114 Resp: 43884
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.0
 88 17.1 0.0 30.6

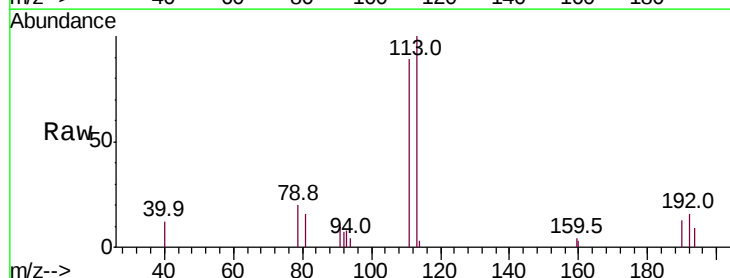


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

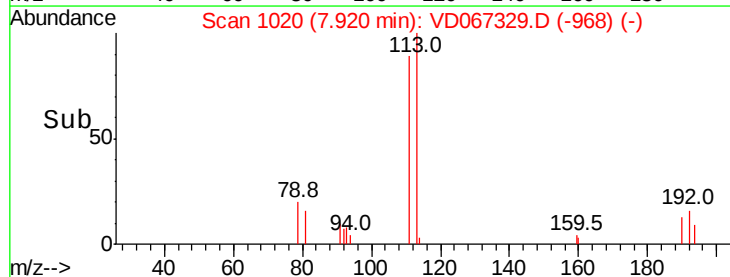
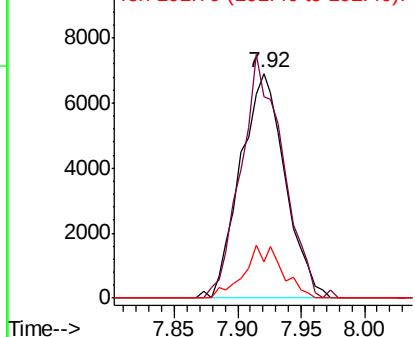


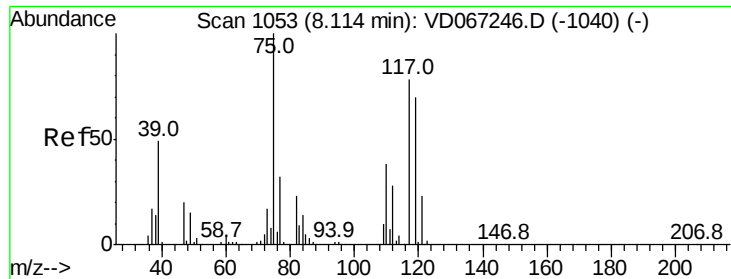
#35
 Dibromofluoromethane
 Concen: 58.220 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067329.D
 Acq: 20 Oct 2020 17:35

Tgt Ion:113 Resp: 17003
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.6 122.4
 192 19.6 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

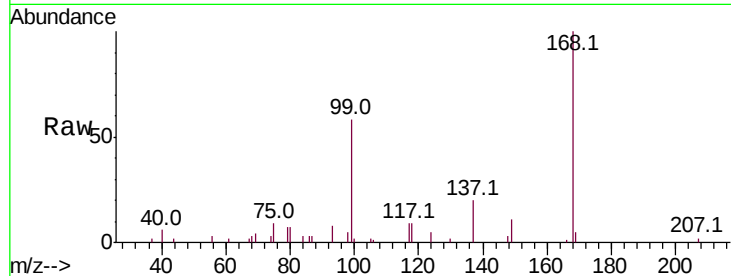




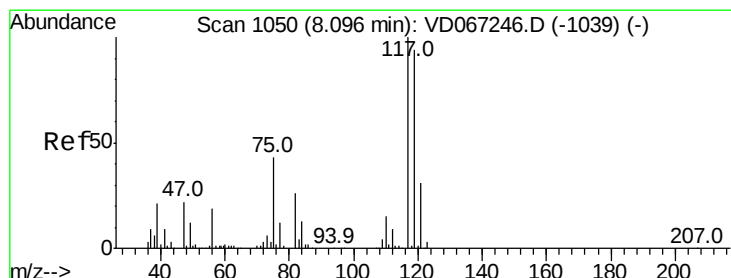
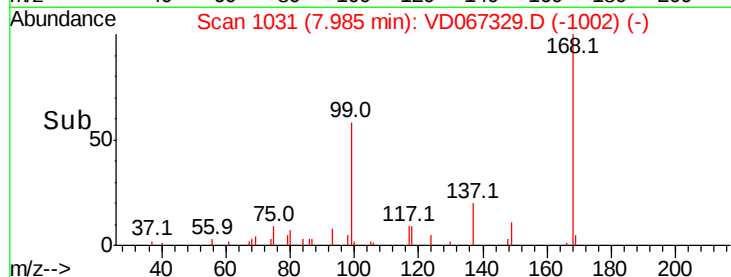
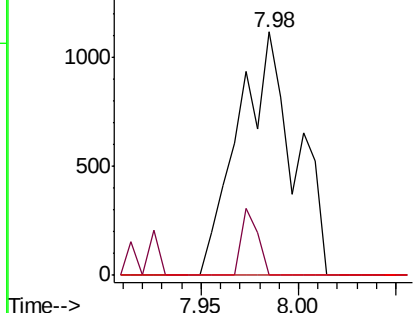
#36
 1,1-Dichloropropene
 Concen: 5.974 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067329.D
 Acq: 20 Oct 2020 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 36B

Tot Ion: 75 Resp: 2222
 Ion Ratio Lower Upper
 75 100
 110 8.1 19.6 58.7#
 77 0.0 24.6 37.0#

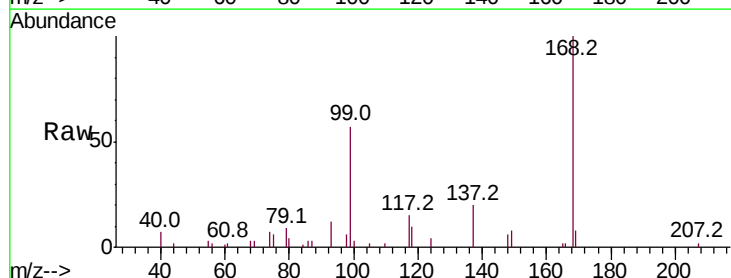


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

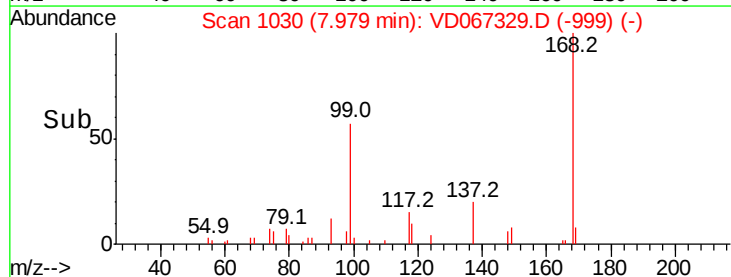
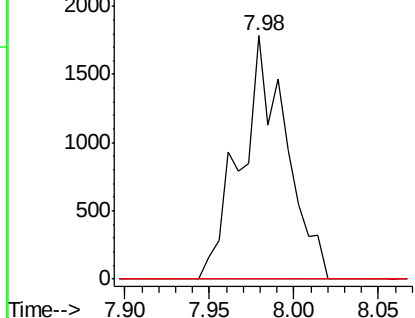


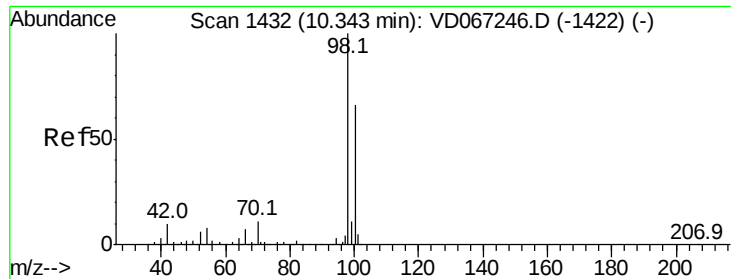
#38
 Carbon Tetrachloride
 Concen: 7.068 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067329.D
 Acq: 20 Oct 2020 17:35

Tgt Ion: 117 Resp: 3360
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.0 112.4#
 121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): VDC
 Ion 118.80 (118.50 to 119.50): VDC
 Ion 120.80 (120.50 to 121.50): VDC





#50

Toluene-d8

Concen: 52.523 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067329.D

Acq: 20 Oct 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

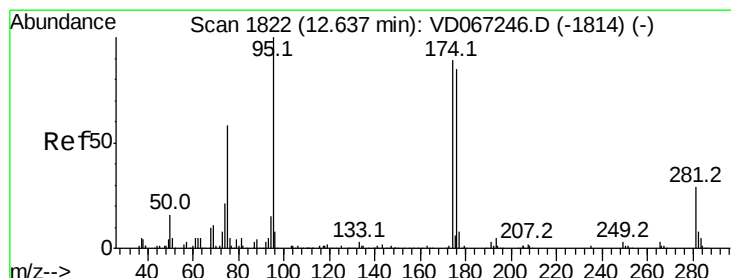
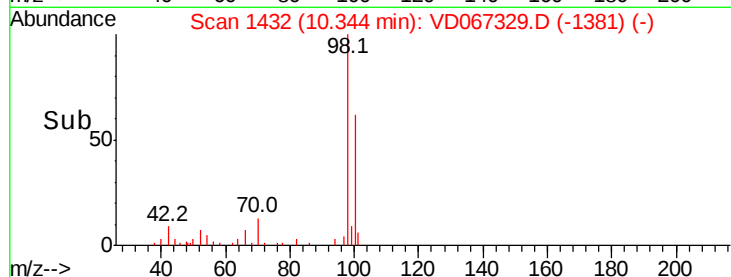
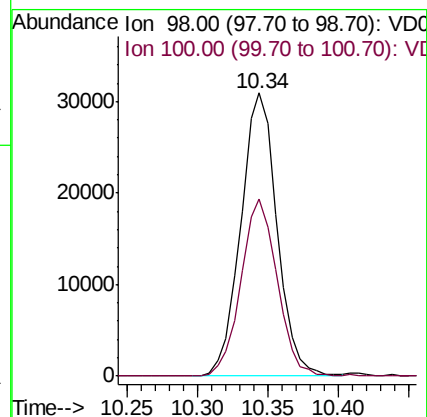
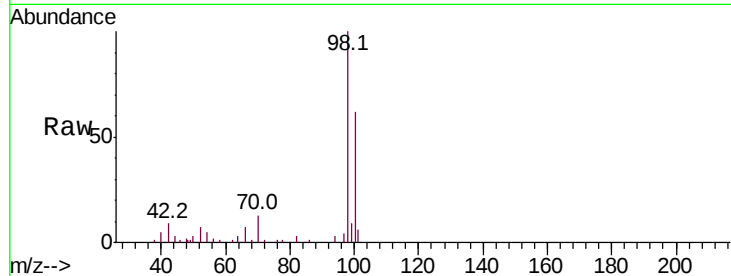
36B

Tot Ion: 98 Resp: 55512

Ion Ratio Lower Upper

98 100

100 62.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 48.584 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD067329.D

Acq: 20 Oct 2020 17:35

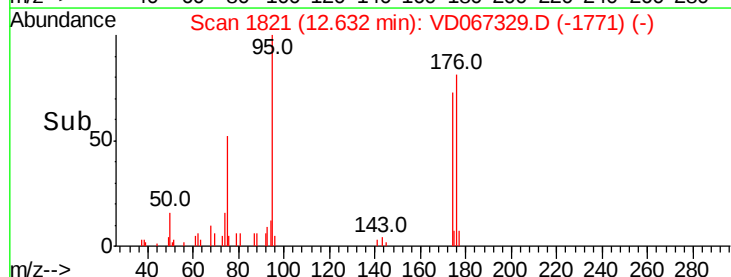
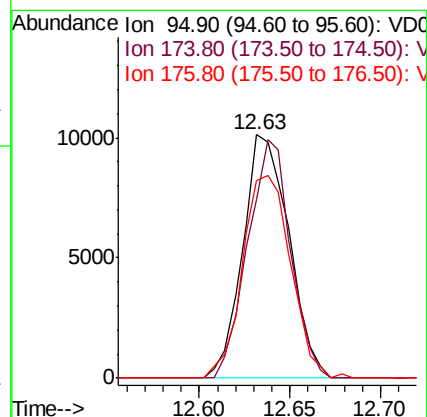
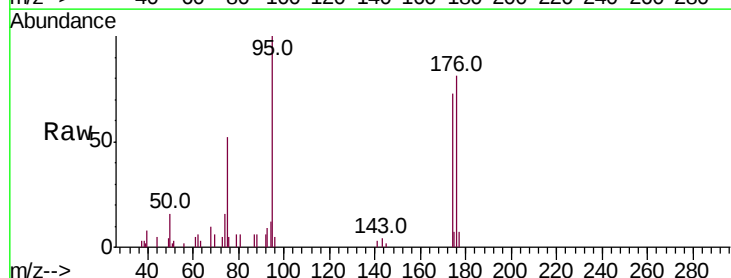
Tgt Ion: 95 Resp: 17855

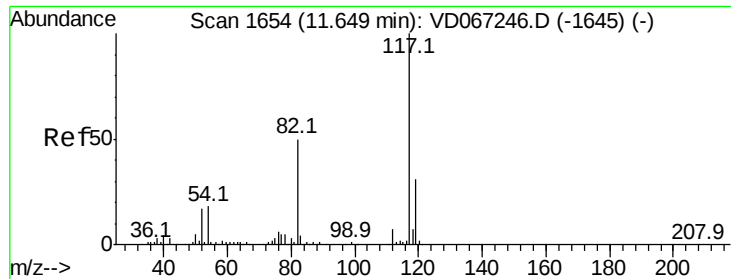
Ion Ratio Lower Upper

95 100

174 91.2 0.0 175.2

176 87.2 0.0 168.6

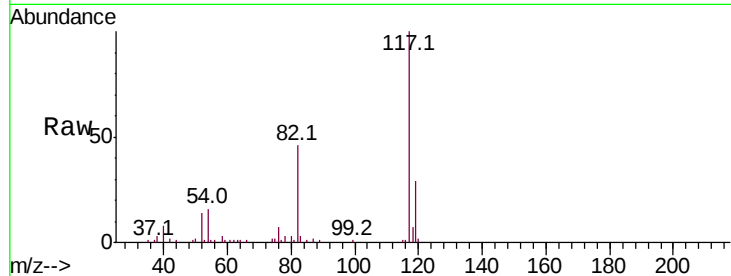




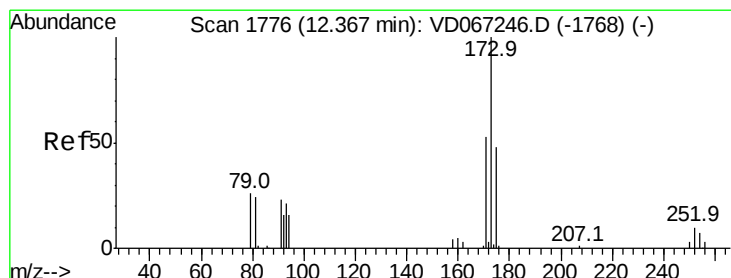
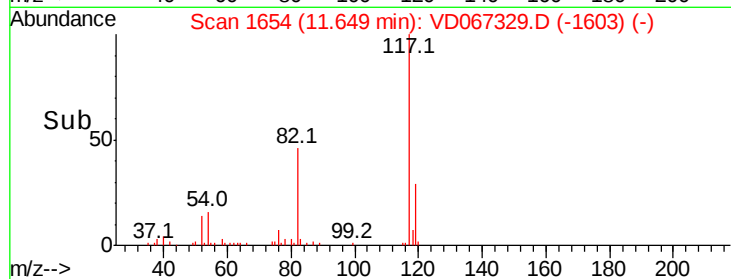
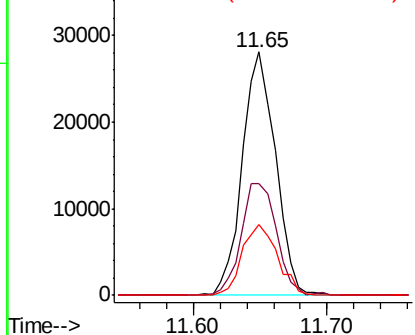
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067329.D
Acq: 20 Oct 2020 17:35

Instrument :
MSVOA_D
ClientSampleId :
36B

Tot Ion:117 Resp: 48260
Ion Ratio Lower Upper
117 100
82 45.6 39.9 59.9
119 29.3 24.9 37.3

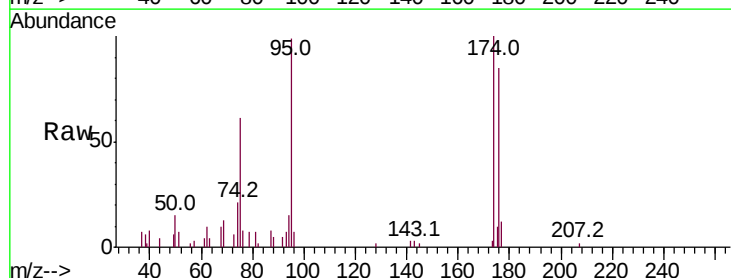


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

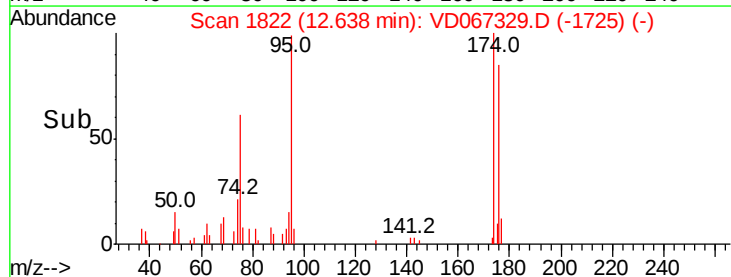
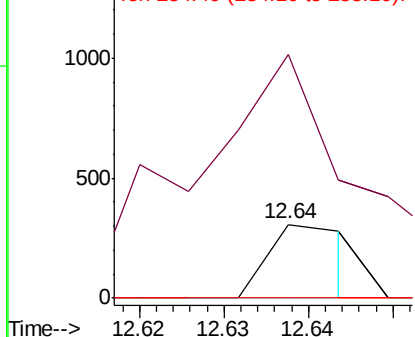


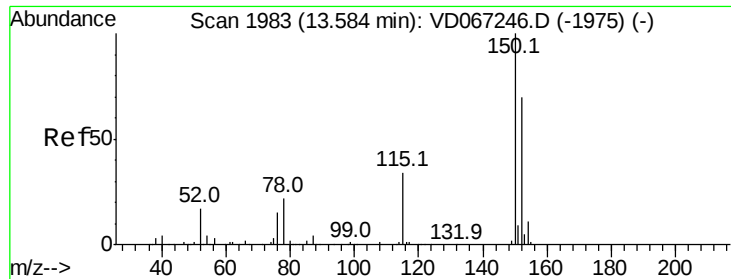
#71
Bromoform
Concen: 1.053 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD067329.D
Acq: 20 Oct 2020 17:35

Tgt Ion:173 Resp: 208
Ion Ratio Lower Upper
173 100
175 544.2 24.2 72.6#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067329.D

Acq: 20 Oct 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

36B

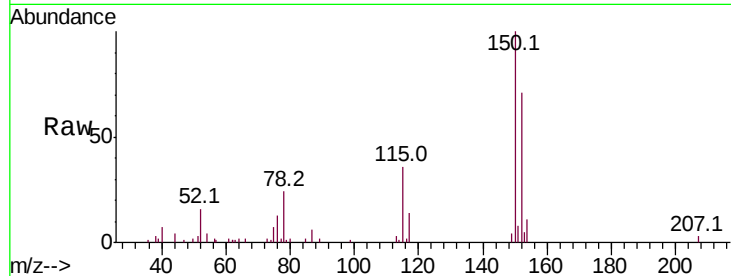
Tot Ion:152 Resp: 22353

Ion Ratio Lower Upper

152 100

115 56.0 29.3 87.9

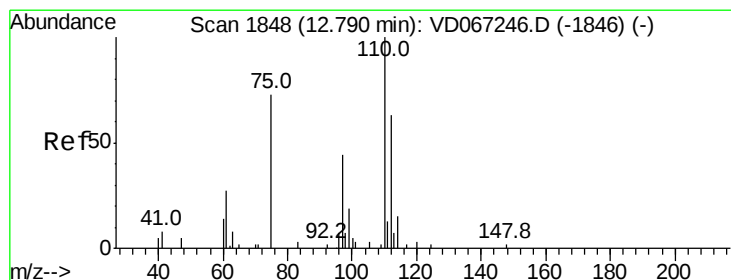
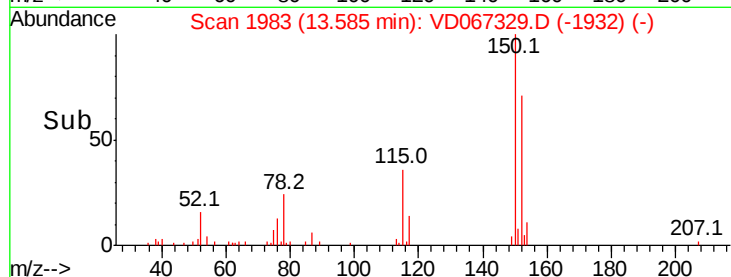
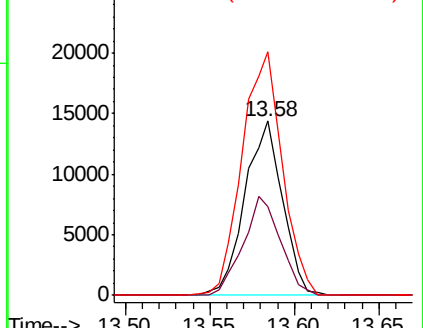
150 149.3 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 62.946 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067329.D

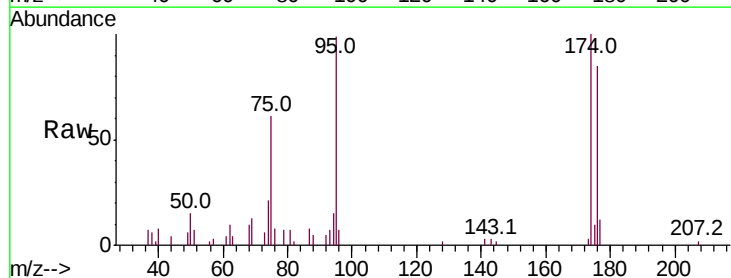
Acq: 20 Oct 2020 17:35

Tgt Ion: 75 Resp: 9752

Ion Ratio Lower Upper

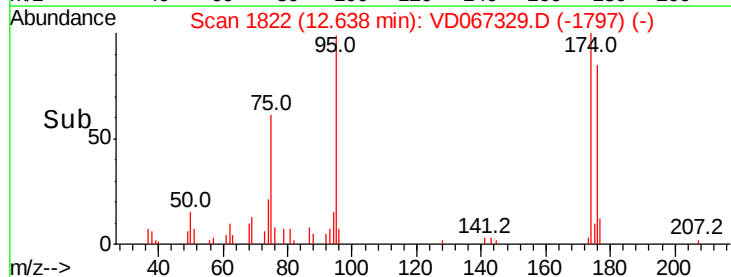
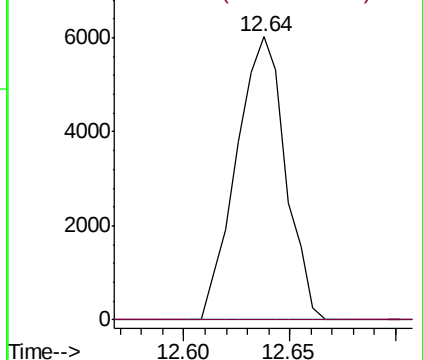
75 100

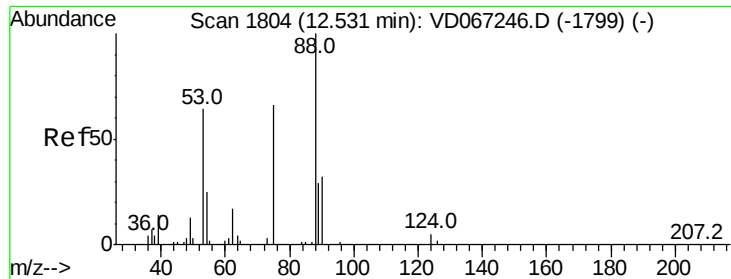
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 142.742 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067329.D

Acq: 20 Oct 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

36B

Tot Ion: 75 Resp: 9752

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

