

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067901.D
 Acq On : 07 Dec 2020 15:58
 Operator : VA/SY
 Sample : L4967-01
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-120720

Quant Time: Dec 08 03:14:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	236305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	331352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	287446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136694	50.00	ug/l	0.00

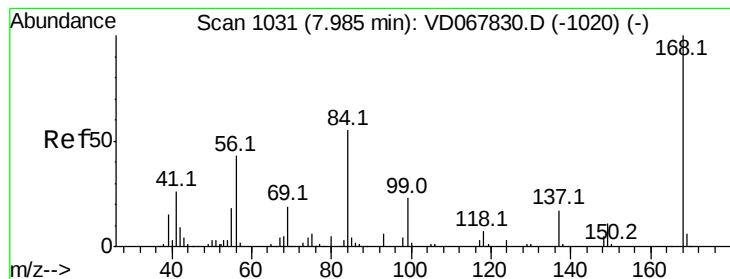
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	115121	45.38	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.76%		
35) Dibromofluoromethane	7.92	113	98047	44.22	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.44%		
50) Toluene-d8	10.34	98	370027	46.36	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.72%		
62) 4-Bromofluorobenzene	12.64	95	118730	43.03	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.06%		

Target Compounds

					Qvalue	
16) Acetone	4.16	43	1902	6.067	ug/l #	89
18) Methyl Acetate	4.98	43	64	Below Cal	#	41
20) Methylene Chloride	4.97	84	7119	Below Cal	#	63
31) Cyclohexane	7.98	56	4458	1.668	ug/l #	27
36) 1,1-Dichloropropene	8.00	75	17374	6.057	ug/l #	39
38) Carbon Tetrachloride	7.98	117	25283	5.825	ug/l #	14
41) Methacrylonitrile	7.57	41	76	Below Cal	#	24
51) 4-Methyl-2-Pentanone	10.34	43	1707	2.371	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	67042	67.349	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	67042	161.104	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

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MSVOA_D

ClientSampleId :

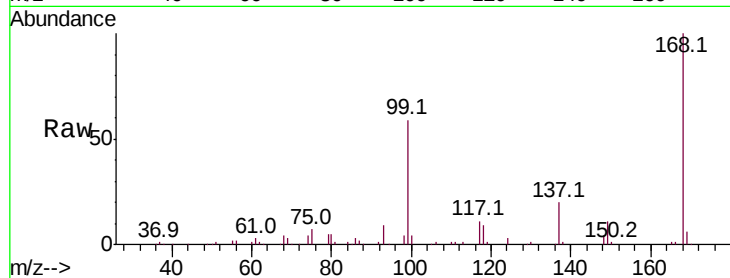
TR-05-120720

Tot Ion:168 Resp: 236305

Ion Ratio Lower Upper

168 100

99 59.2 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

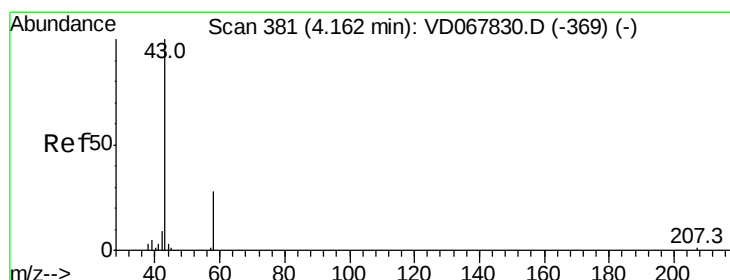
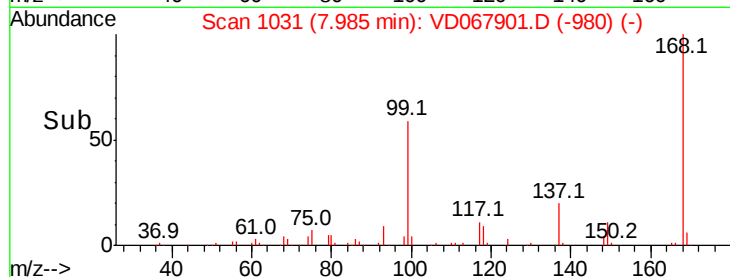
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 6.067 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067901.D

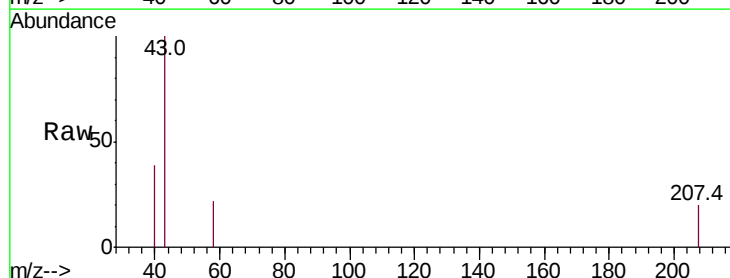
Acq: 07 Dec 2020 15:58

Tgt Ion: 43 Resp: 1902

Ion Ratio Lower Upper

43 100

58 21.5 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1000

800

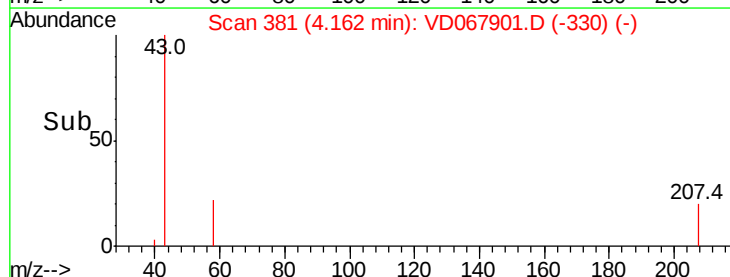
600

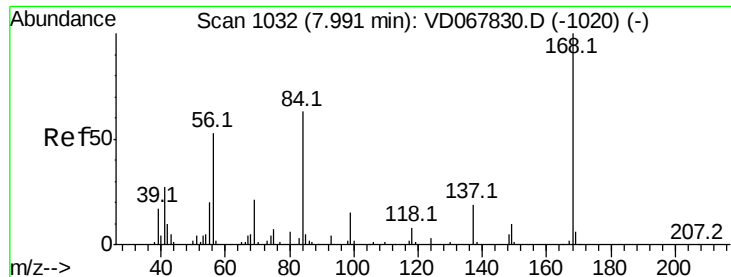
400

200

0

Time-->





#31

Cyclohexane

Concen: 1.668 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleID :

TR-05-120720

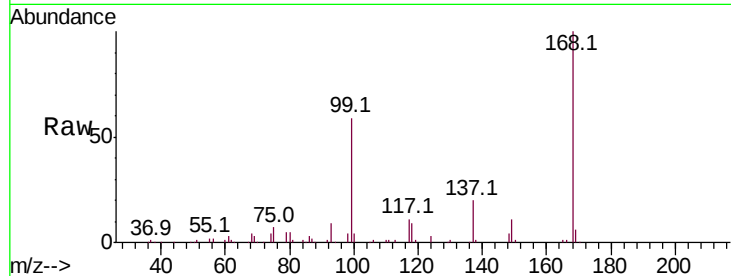
Tot Ion: 56 Resp: 4458

Ion Ratio Lower Upper

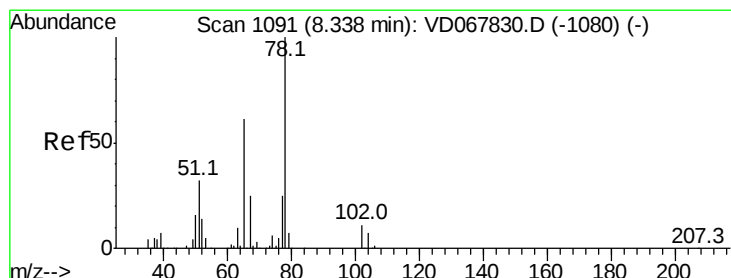
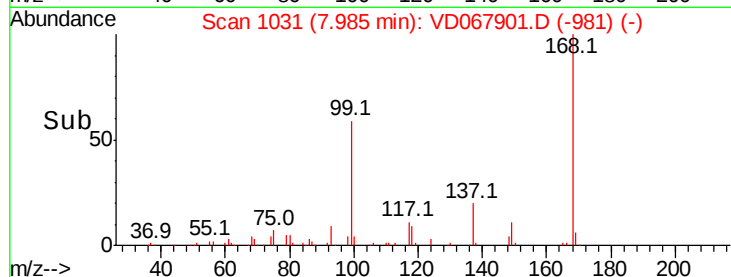
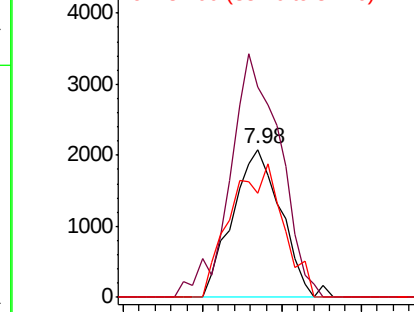
56 100

69 142.0 32.1 48.1#

84 70.6 93.2 139.8#



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: 45.380 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067901.D

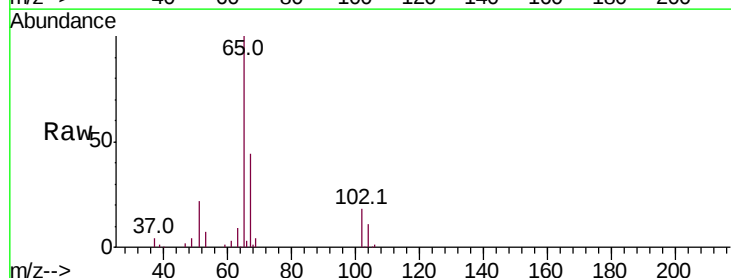
Acq: 07 Dec 2020 15:58

Tgt Ion: 65 Resp: 115121

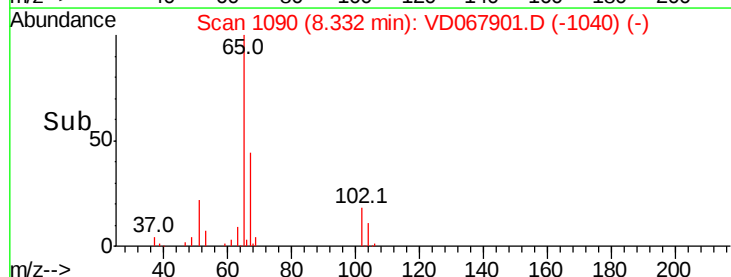
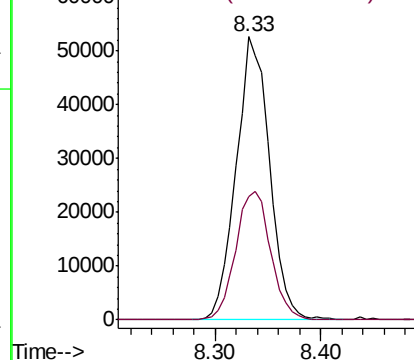
Ion Ratio Lower Upper

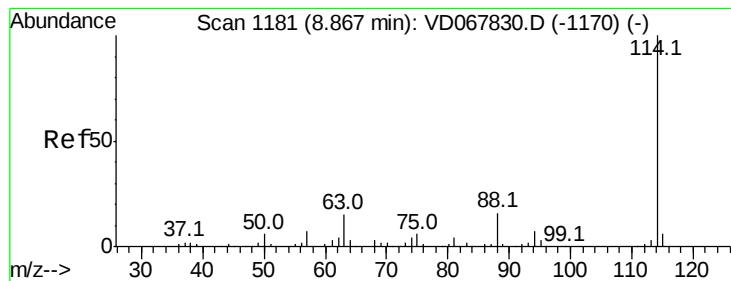
65 100

67 47.4 0.0 92.0



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# 1182

Delta R.T. 0.01 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

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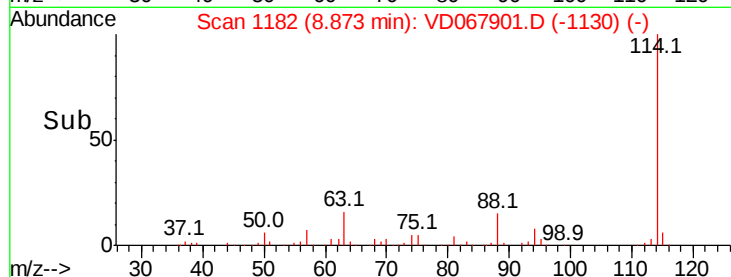
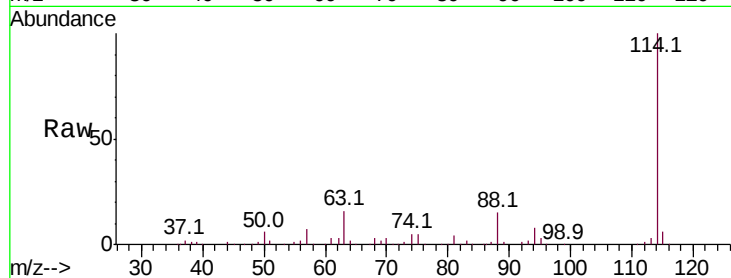
Tot Ion:114 Resp: 331352

Ion Ratio Lower Upper

114 100

63 16.4 0.0 30.8

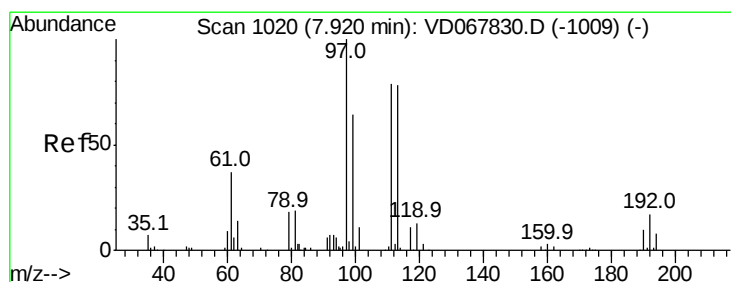
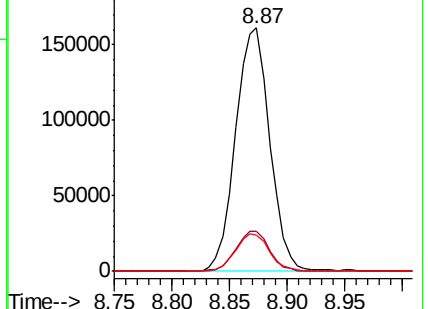
88 14.7 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 44.221 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

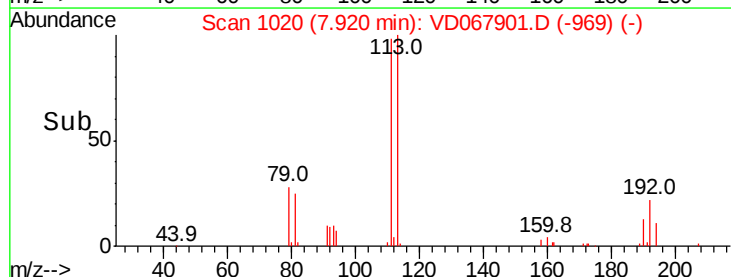
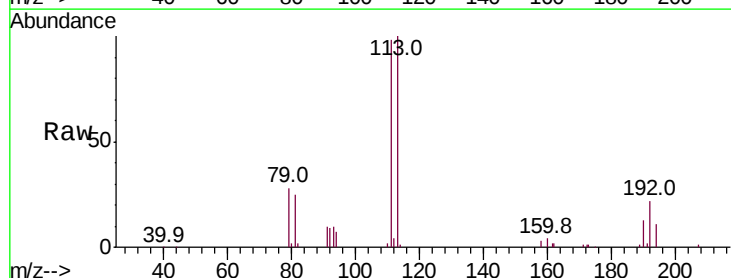
Tgt Ion:113 Resp: 98047

Ion Ratio Lower Upper

113 100

111 101.9 81.2 121.8

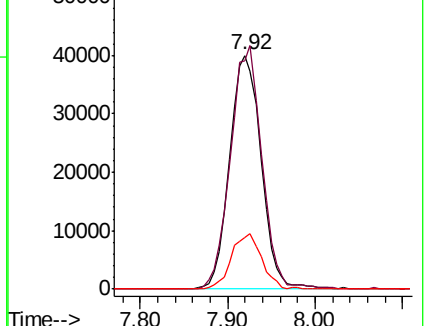
192 22.4 16.8 25.2

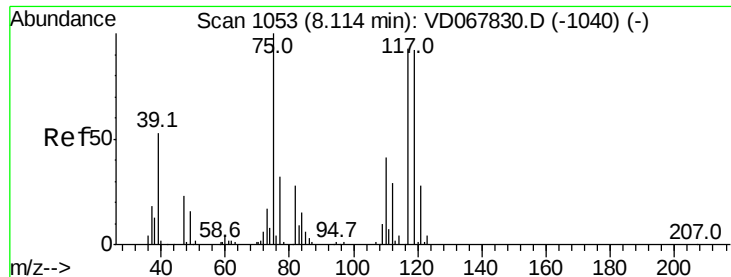


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.057 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. -0.12 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

TR-05-120720

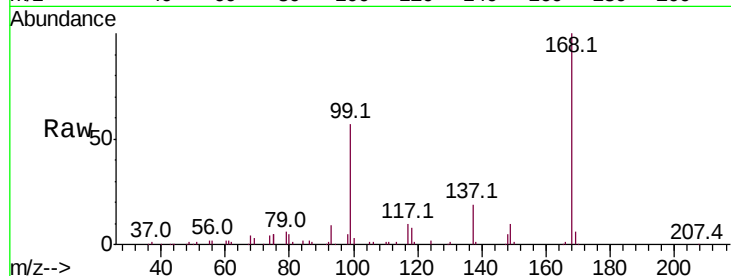
Tot Ion: 75 Resp: 17374

Ion Ratio Lower Upper

75 100

110 0.0 20.3 61.0#

77 0.0 24.7 37.1#



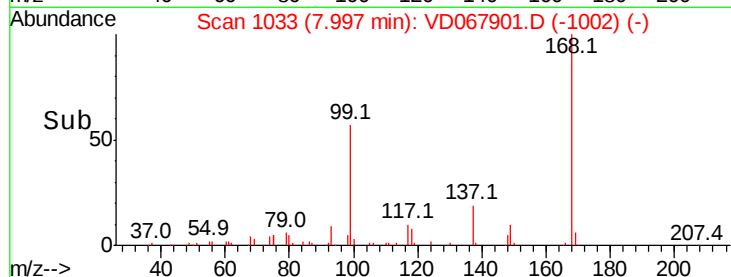
Abundance Ion 74.90 (74.60 to 75.60): VD067901.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VD067901.D (-1002) (-)

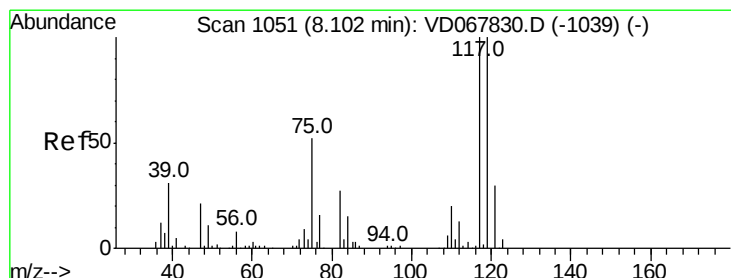
Ion 76.90 (76.60 to 77.60): VD067901.D (-1002) (-)

8.00

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.825 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

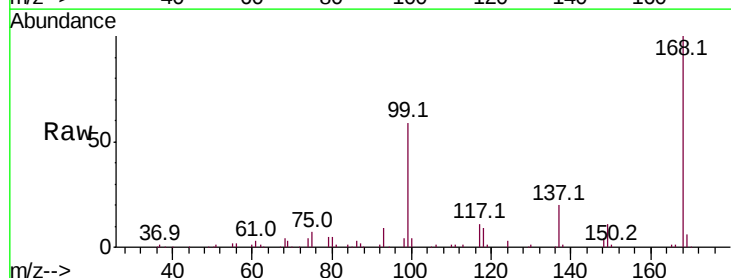
Tgt Ion: 117 Resp: 25283

Ion Ratio Lower Upper

117 100

119 4.8 79.7 119.5#

121 0.0 23.8 35.6#



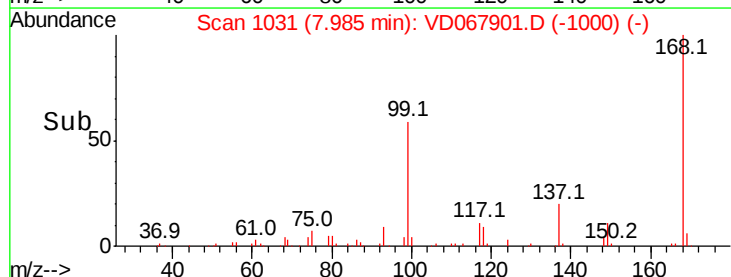
Abundance Ion 116.80 (116.50 to 117.50): VD067901.D (-1000) (-)

Ion 118.80 (118.50 to 119.50): VD067901.D (-1000) (-)

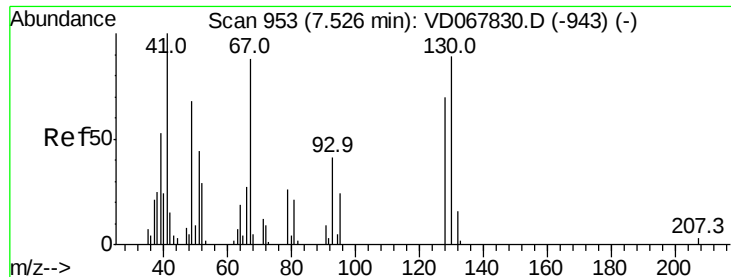
Ion 120.80 (120.50 to 121.50): VD067901.D (-1000) (-)

7.98

Time-->



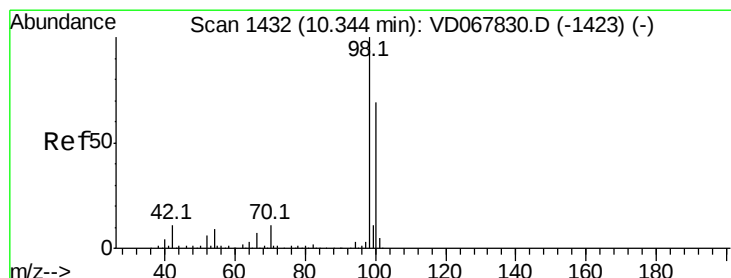
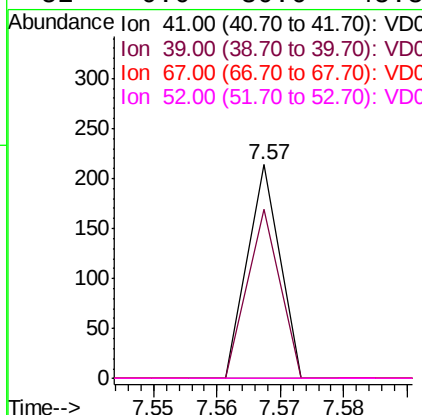
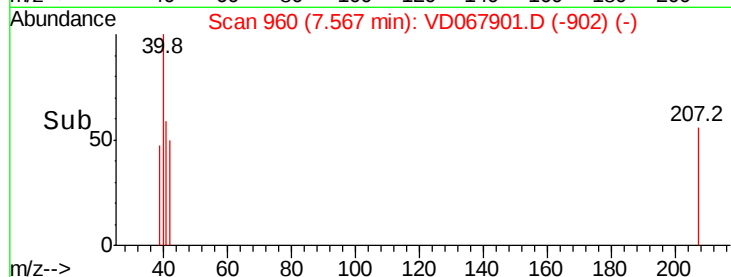
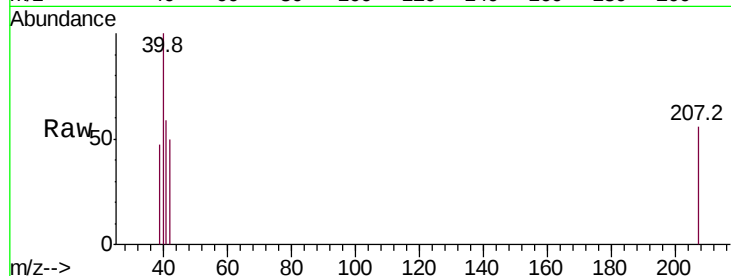
Time-->



#41
Methacrylonitrile
Concen: Below Cal
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD067901.D
Acq: 07 Dec 2020 15:58

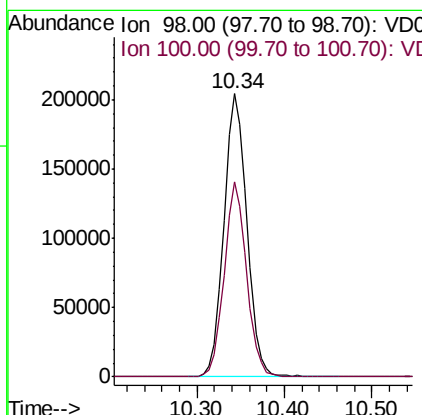
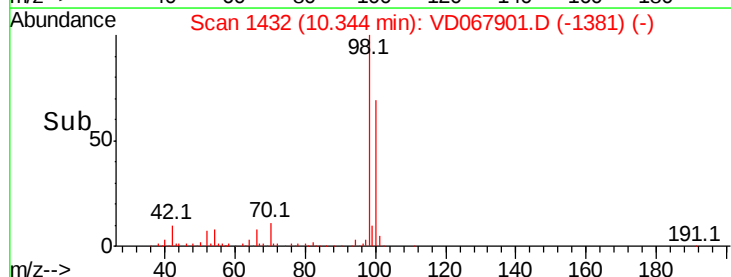
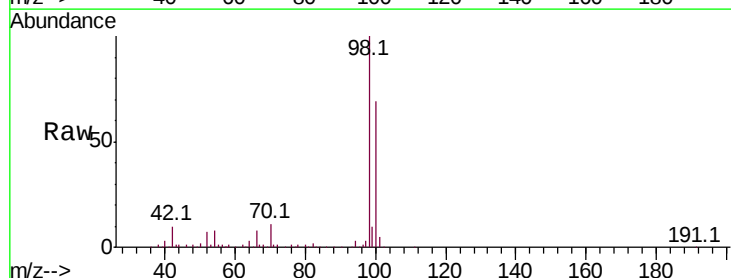
Instrument :
MSVOA_D
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TR-05-120720

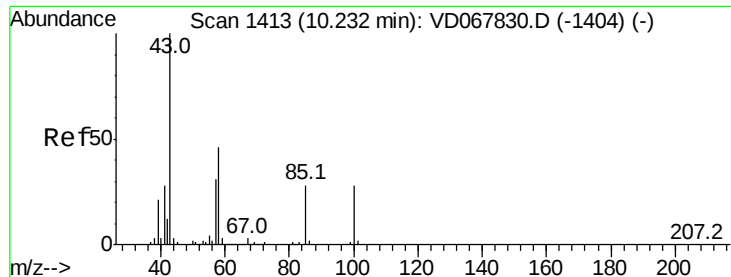
Tot Ion: 41 Resp: 76
Ion Ratio Lower Upper
41 100
39 78.9 42.1 63.1#
67 0.0 82.4 123.6#
52 0.0 30.6 45.8#



#50
Toluene-d8
Concen: 46.360 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067901.D
Acq: 07 Dec 2020 15:58

Tgt Ion: 98 Resp: 370027
Ion Ratio Lower Upper
98 100
100 67.0 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 2.371 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

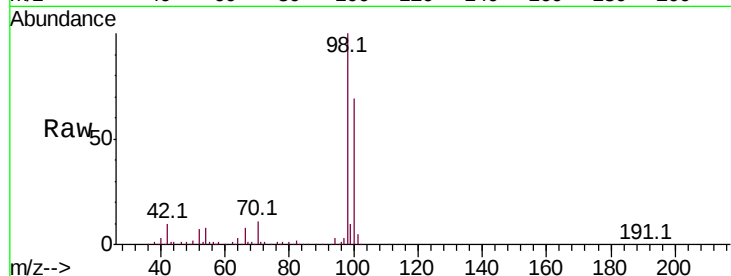
TR-05-120720

Tot Ion: 43 Resp: 1707

Ion Ratio Lower Upper

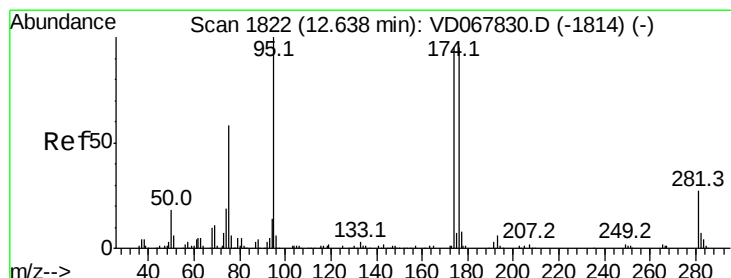
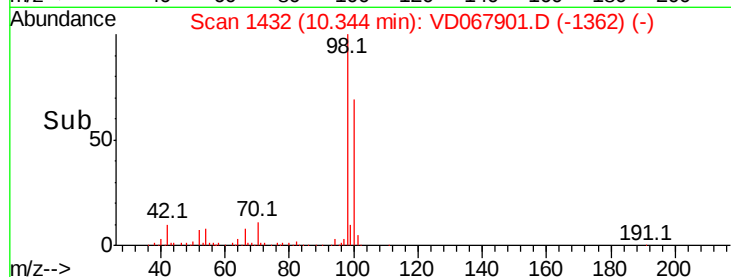
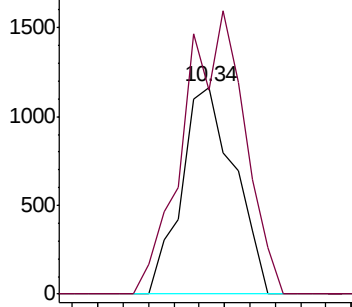
43 100

58 156.0 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 43.027 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

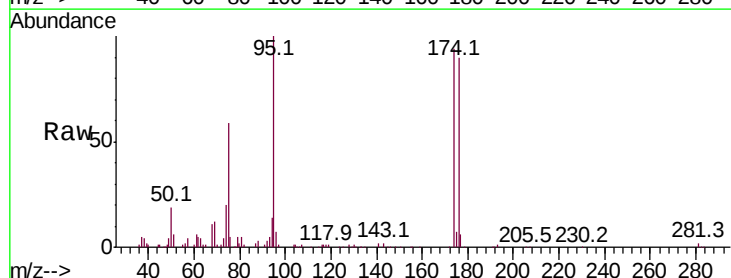
Tgt Ion: 95 Resp: 118730

Ion Ratio Lower Upper

95 100

174 95.5 0.0 186.0

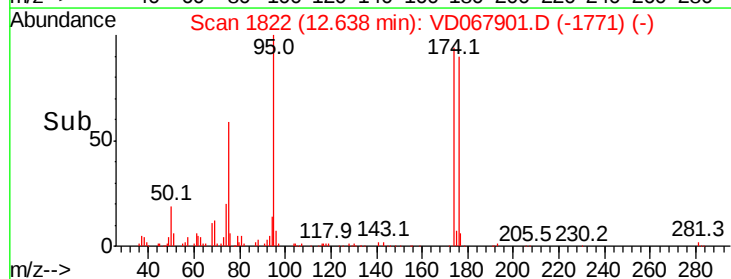
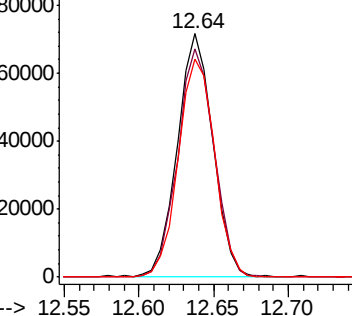
176 91.6 0.0 184.2

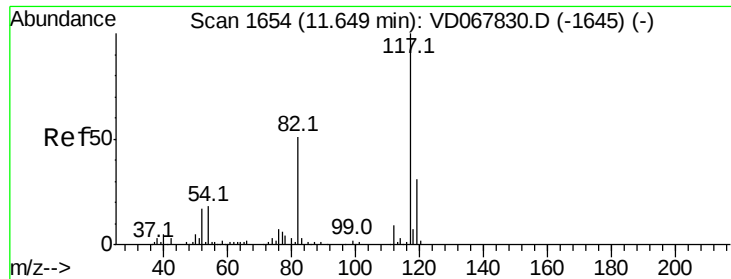


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

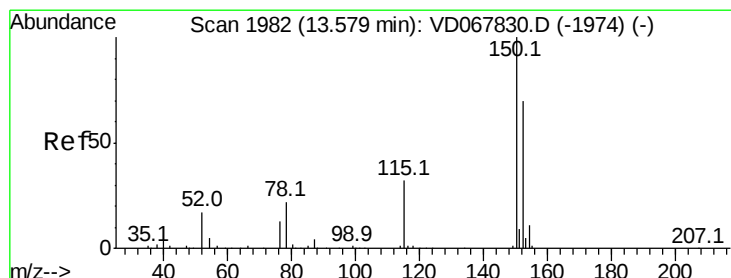
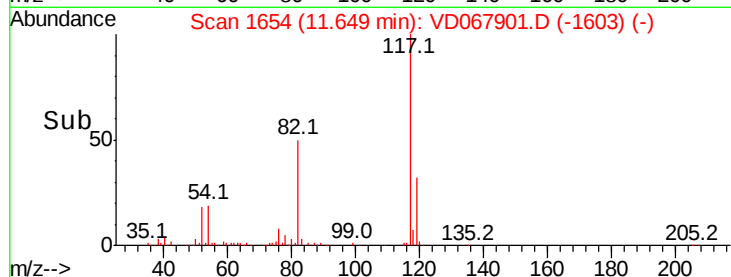
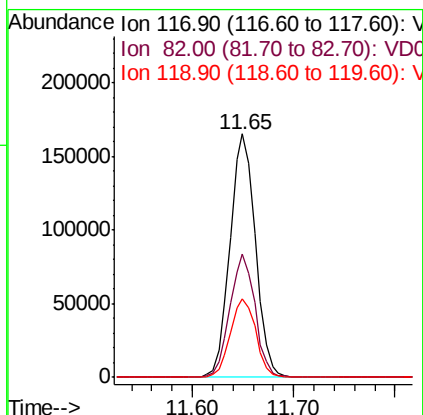
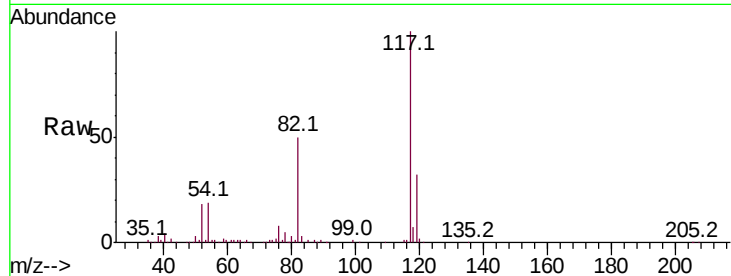




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067901.D
Acq: 07 Dec 2020 15:58

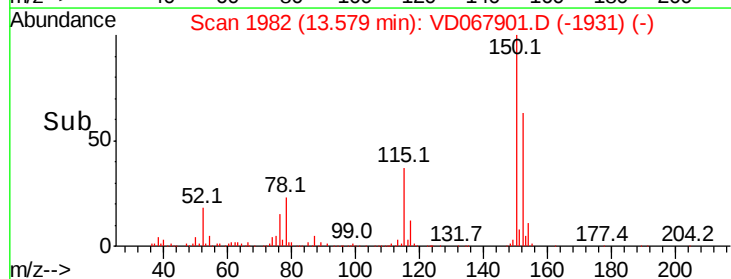
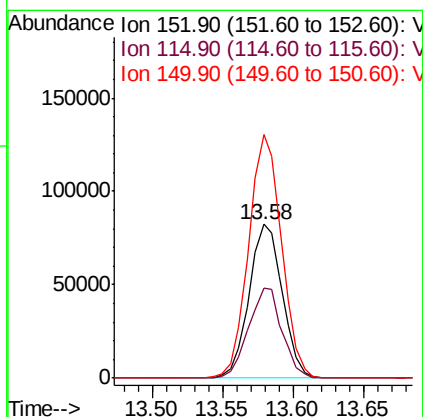
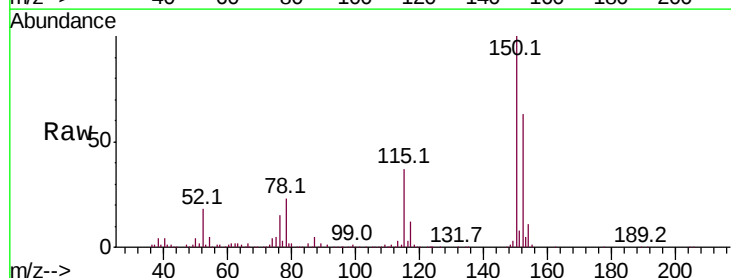
Instrument :
MSVOA_D
ClientSampleId :
TR-05-120720

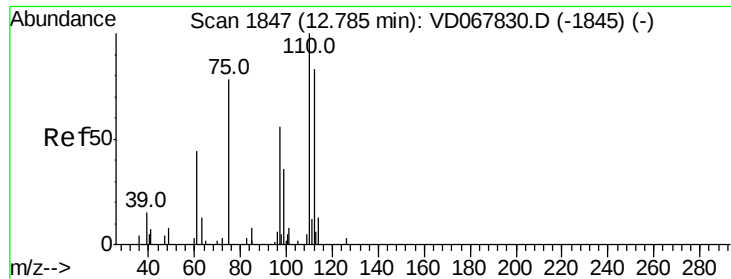
Tot Ion:117 Resp: 287446
Ion Ratio Lower Upper
117 100
82 50.4 40.6 60.8
119 32.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067901.D
Acq: 07 Dec 2020 15:58

Tgt Ion:152 Resp: 136694
Ion Ratio Lower Upper
152 100
115 58.7 29.1 87.4
150 156.0 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 67.349 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

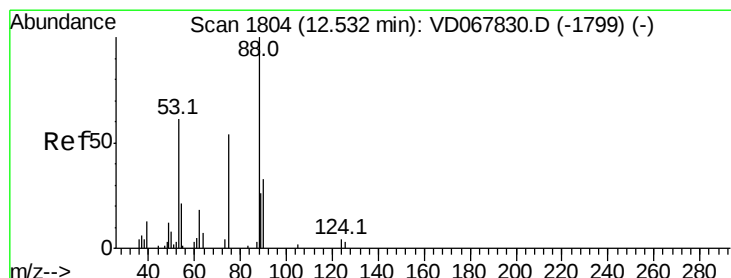
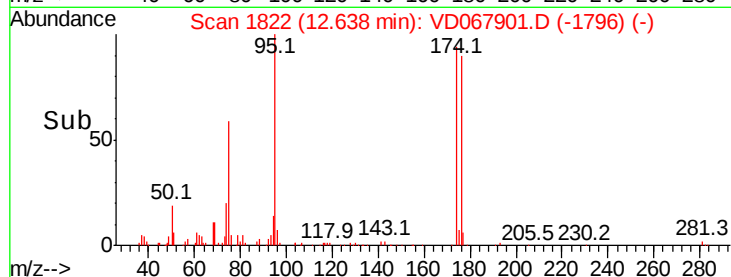
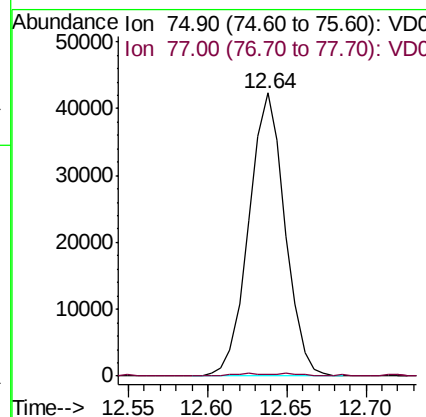
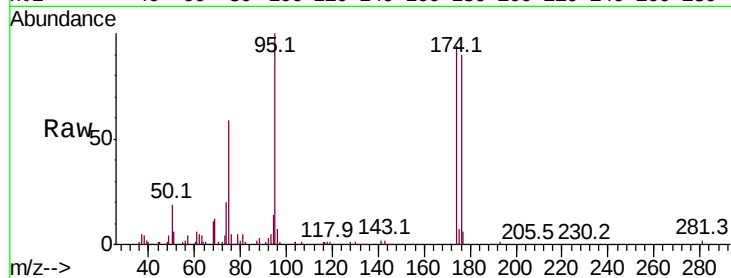
TR-05-120720

Tot Ion: 75 Resp: 67042

Ion Ratio Lower Upper

75 100

77 0.8 175.9 527.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 161.104 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067901.D

Acq: 07 Dec 2020 15:58

Tgt Ion: 75 Resp: 67042

Ion Ratio Lower Upper

75 100

53 0.2 84.6 127.0#

89 0.0 41.0 61.6#

