

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067913.D
 Acq On : 08 Dec 2020 15:33
 Operator : VA/SY
 Sample : L4973-01
 Misc : 7.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-120820

Quant Time: Dec 09 04:28:02 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	239185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	332321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	285376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	114553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	114389	44.55	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.10%
35) Dibromofluoromethane	7.92	113	97387	43.79	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.58%
50) Toluene-d8	10.34	98	370156	46.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.48%
62) 4-Bromofluorobenzene	12.64	95	110868	40.06	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.12%

Target Compounds

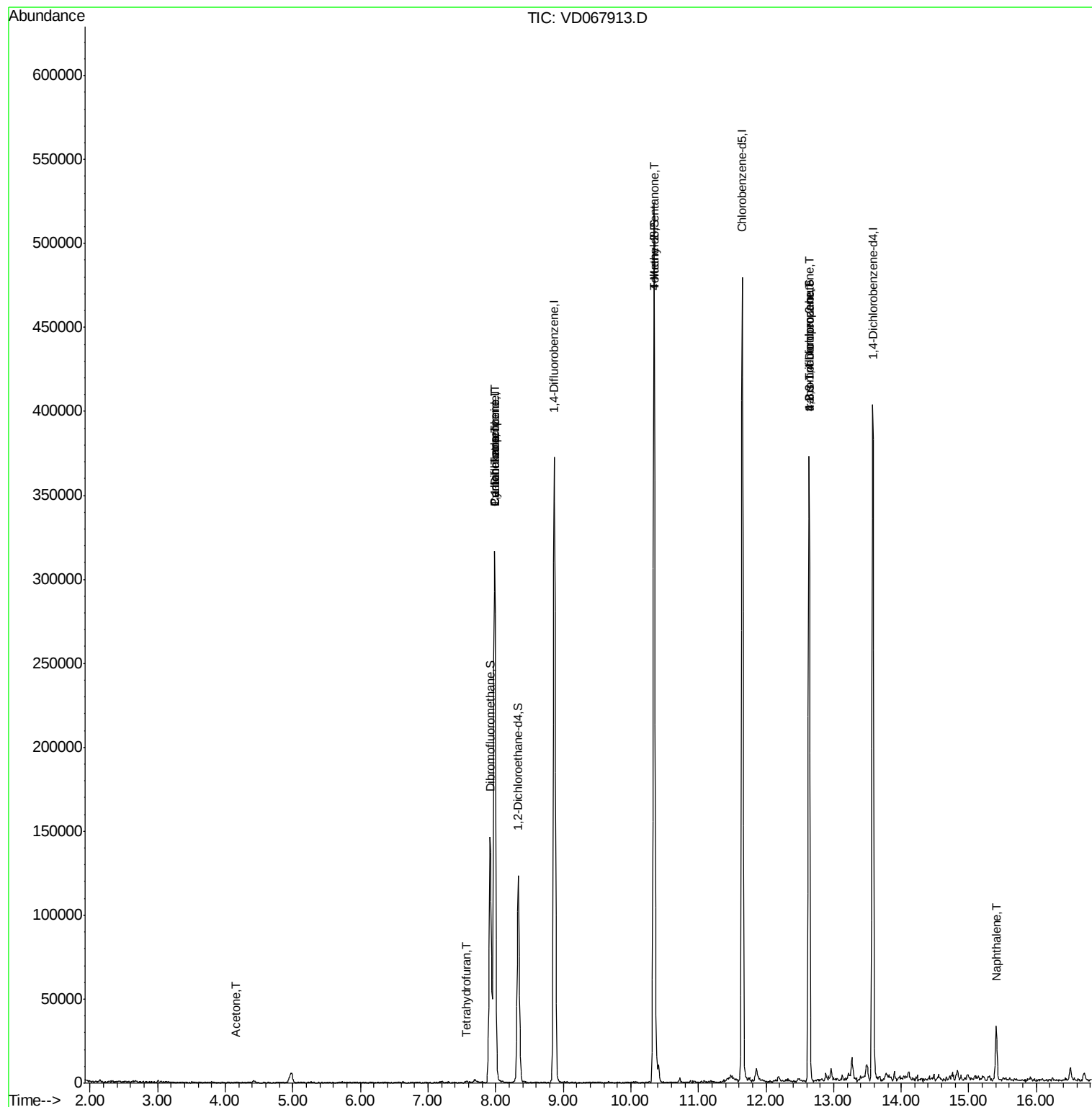
					Qvalue	
16) Acetone	4.16	43	468	1.475	ug/l #	47
20) Methylene Chloride	4.98	84	5099	Below Cal	#	86
29) Tetrahydrofuran	7.56	42	360	1.895	ug/l #	45
31) Cyclohexane	7.98	56	4903	1.812	ug/l #	17
36) 1,1-Dichloropropene	7.98	75	16391	5.697	ug/l #	50
38) Carbon Tetrachloride	7.98	117	24561	5.643	ug/l #	15
41) Methacrylonitrile	7.58	41	163	Below Cal	#	14
51) 4-Methyl-2-Pentanone	10.34	43	1472	2.039	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	62248	74.619	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	62248	178.496	ug/l #	7
95) Naphthalene	15.41	128	30336	8.134	ug/l	98

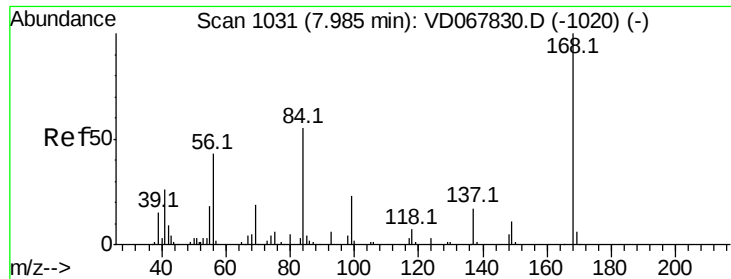
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120820\
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HD-01-120820

Quant Time: Dec 09 04:28:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 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: VD067913.D

Acq: 08 Dec 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

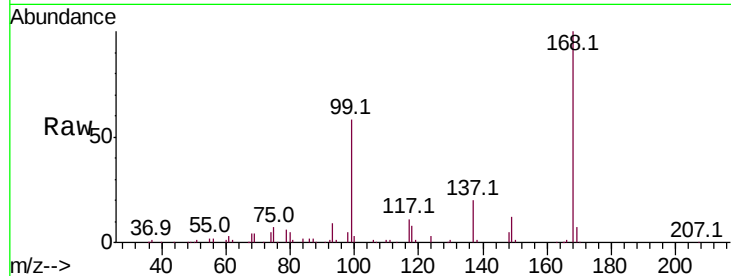
HD-01-120820

Tot Ion:168 Resp: 239185

Ion Ratio Lower Upper

168 100

99 57.6 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

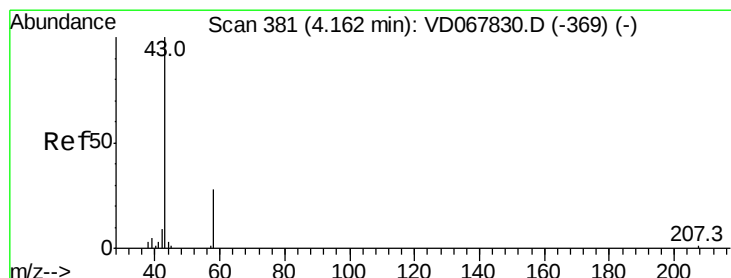
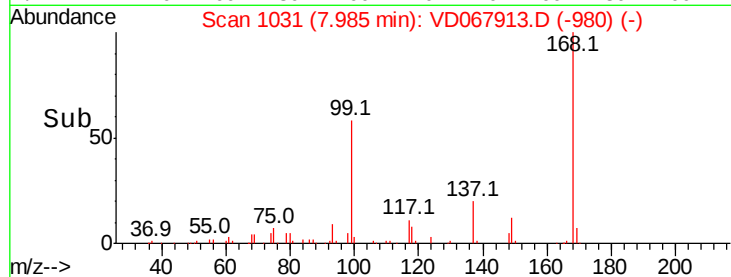
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 1.475 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067913.D

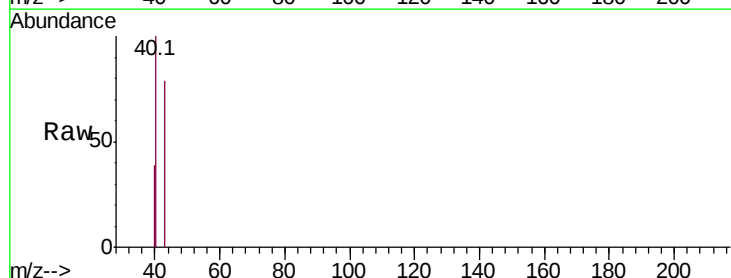
Acq: 08 Dec 2020 15:33

Tgt Ion: 43 Resp: 468

Ion Ratio Lower Upper

43 100

58 0.0 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

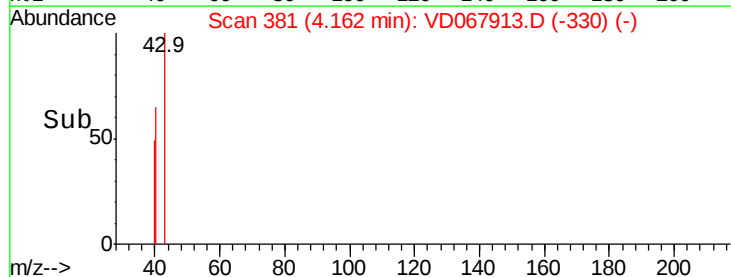
300

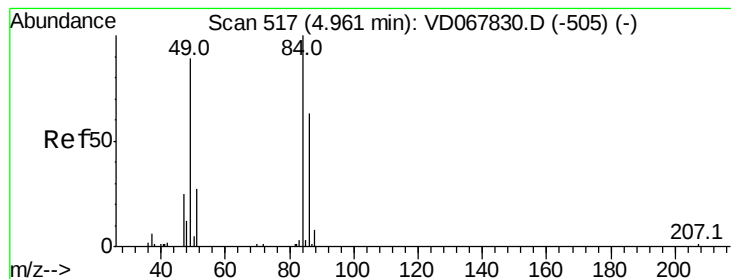
200

100

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

HD-01-120820

Tot Ion: 84 Resp: 5099

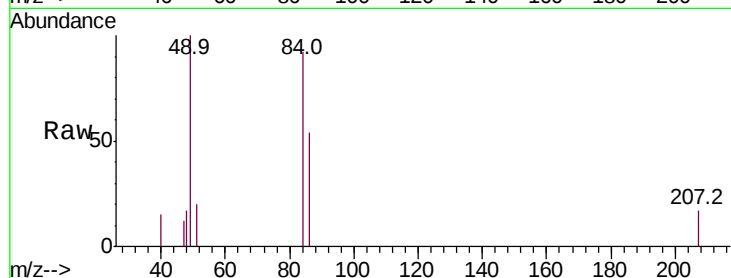
Ion Ratio Lower Upper

84 100

49 109.2 71.4 107.0#

51 21.8 21.8 32.8#

86 58.9 50.6 75.8

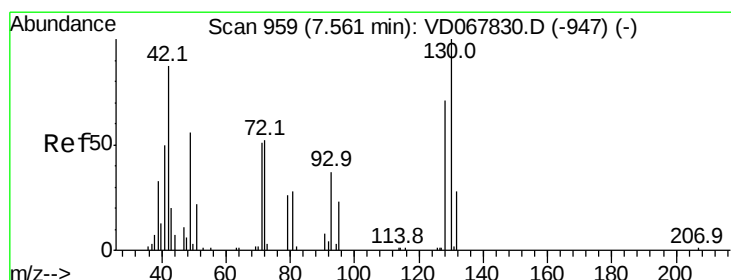
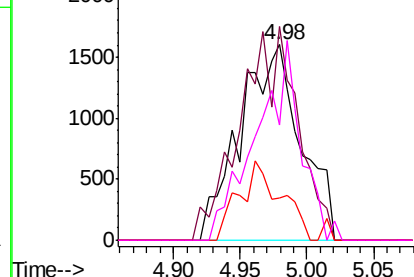
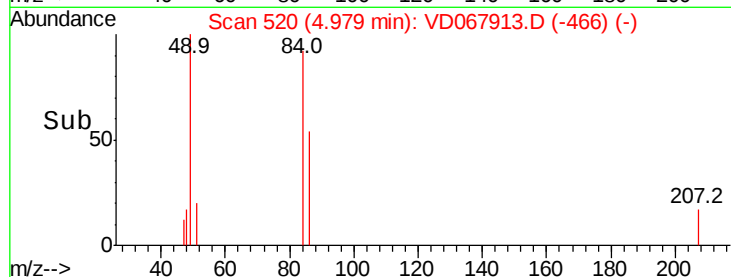


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#29

Tetrahydrofuran

Concen: 1.895 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

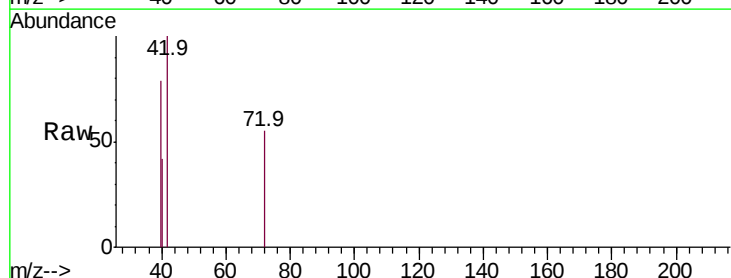
Tgt Ion: 42 Resp: 360

Ion Ratio Lower Upper

42 100

72 39.7 51.9 77.9#

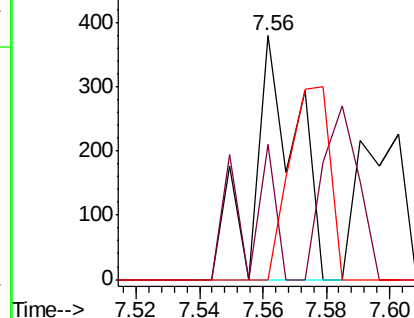
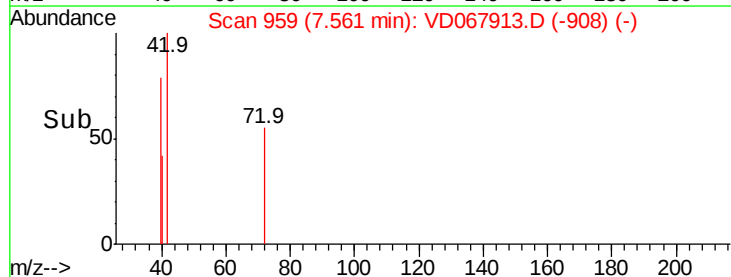
71 0.0 48.2 72.4#

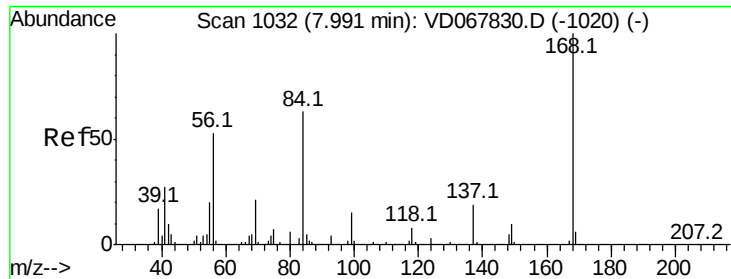


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

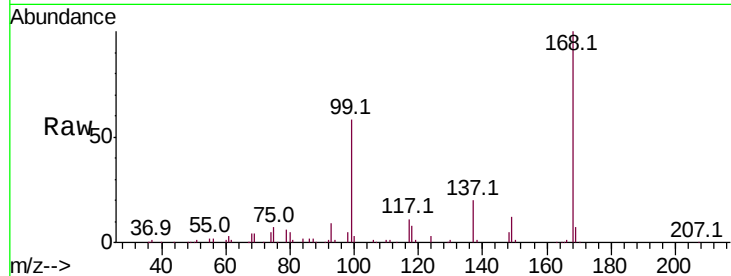




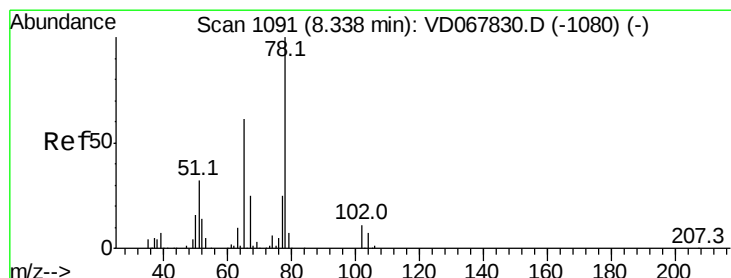
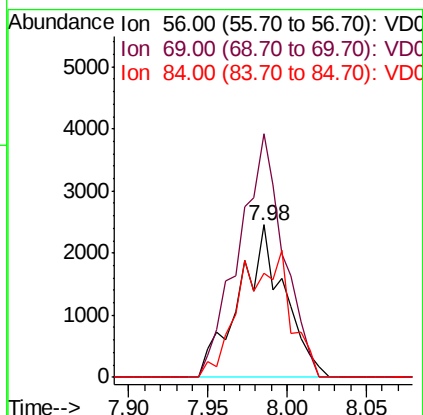
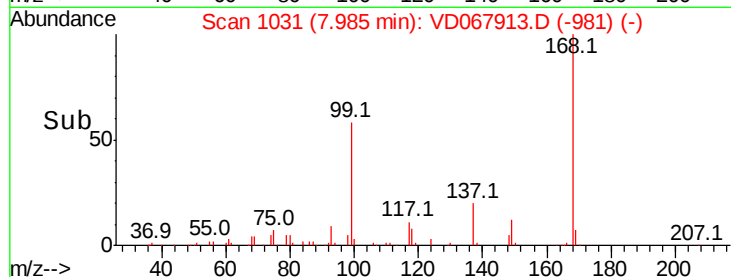
#31
Cyclohexane
Concen: 1.812 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067913.D
Acq: 08 Dec 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
HD-01-120820

Tot Ion: 56 Resp: 4903
Ion Ratio Lower Upper
56 100
69 159.6 32.1 48.1#
84 68.0 93.2 139.8#

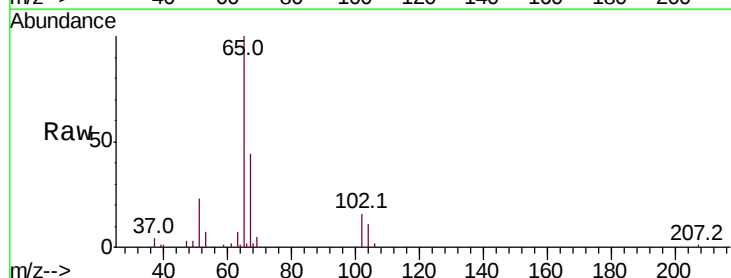


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

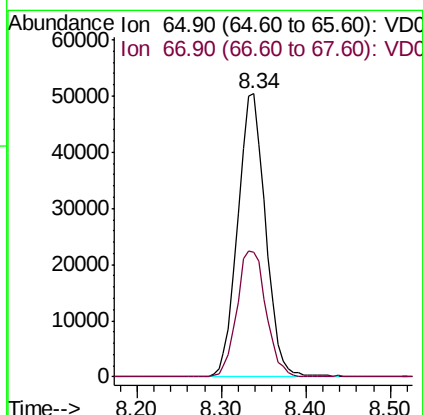
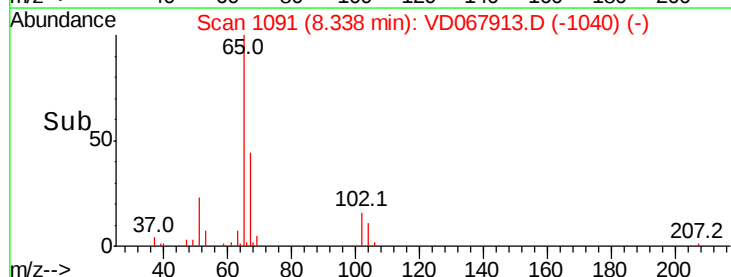


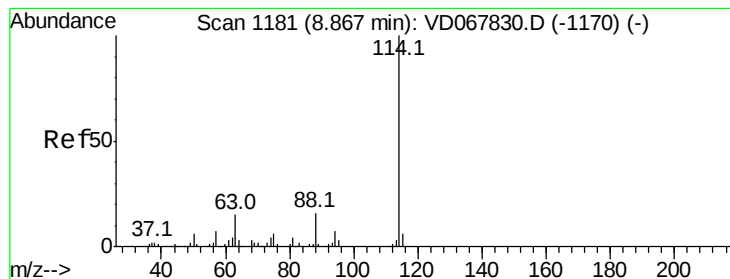
#33
1,2-Dichloroethane-d4
Concen: 44.548 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067913.D
Acq: 08 Dec 2020 15:33

Tgt Ion: 65 Resp: 114389
Ion Ratio Lower Upper
65 100
67 46.4 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# 1181

Delta R.T. 0.00 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

HD-01-120820

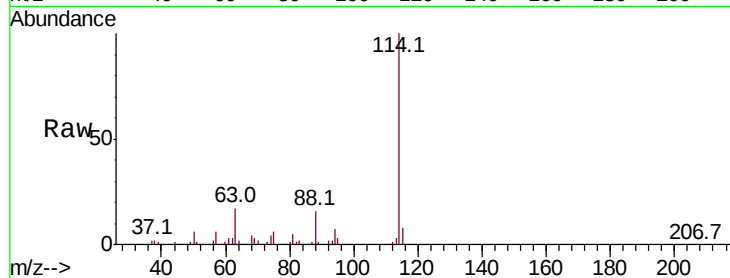
Tot Ion:114 Resp: 332321

Ion Ratio Lower Upper

114 100

63 16.8 0.0 30.8

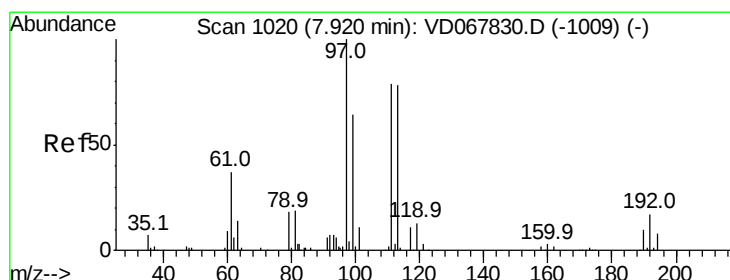
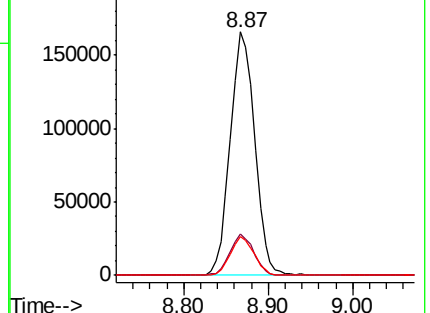
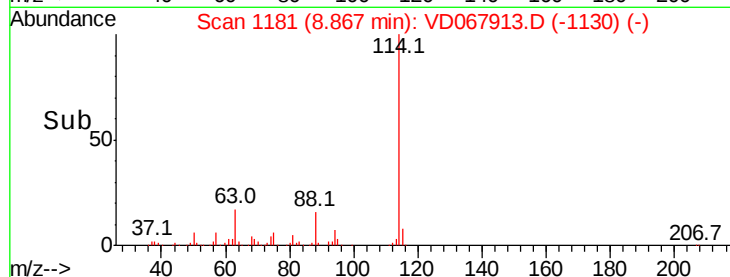
88 15.7 0.0 31.8



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: 43.795 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

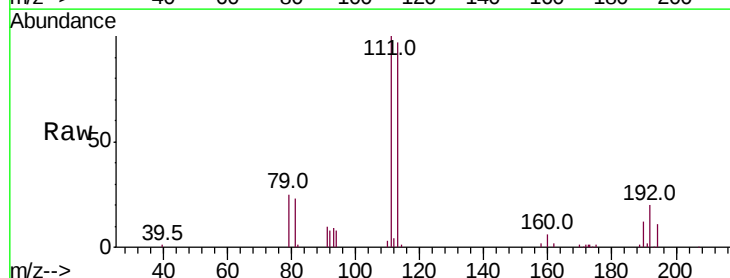
Tgt Ion:113 Resp: 97387

Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

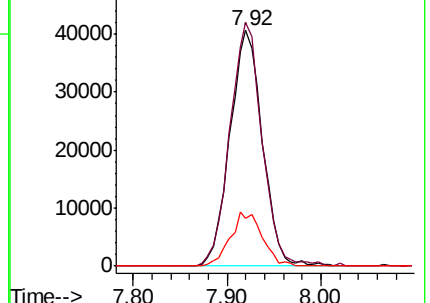
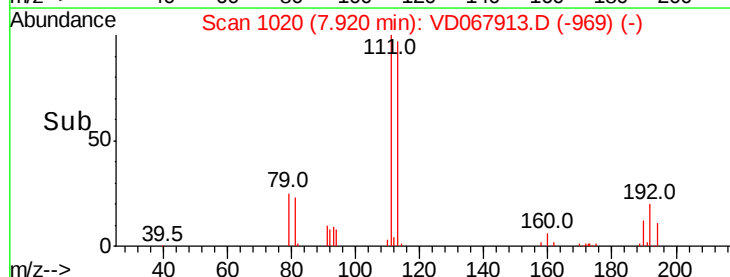
192 22.4 16.8 25.2

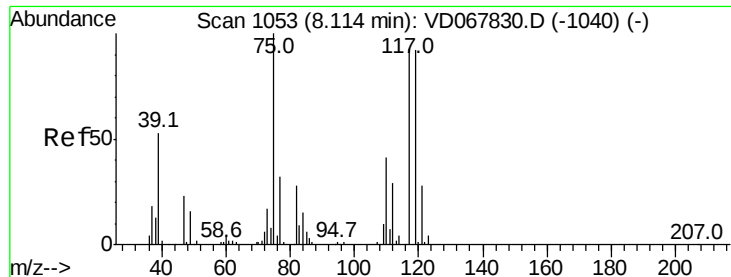


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.697 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

HD-01-120820

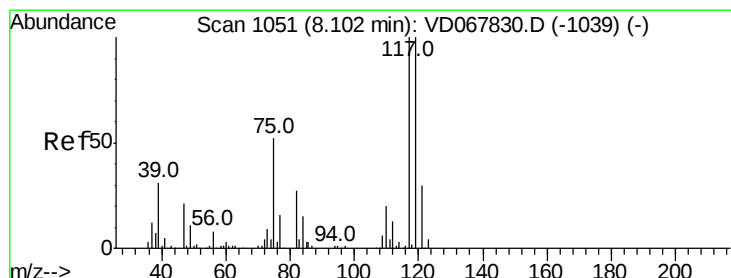
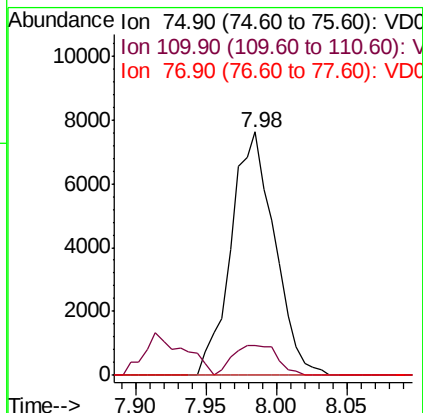
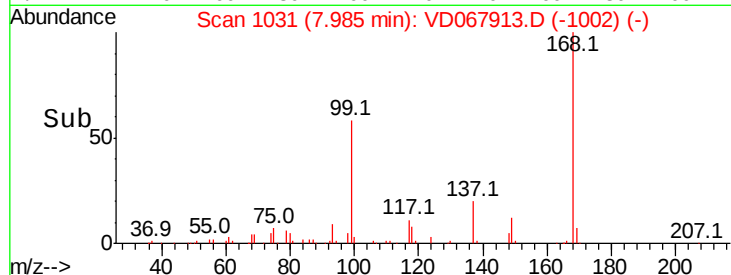
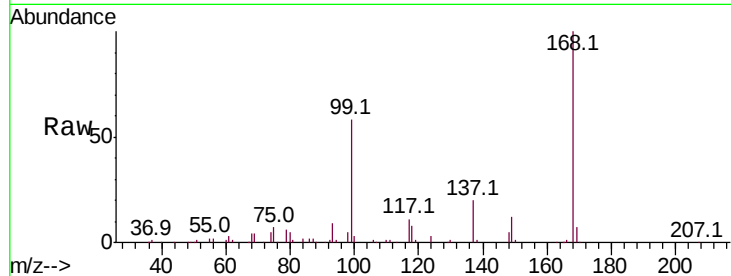
Tot Ion: 75 Resp: 16391

Ion Ratio Lower Upper

75 100

110 12.8 20.3 61.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.643 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

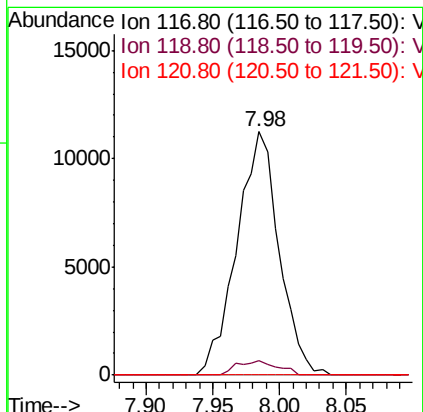
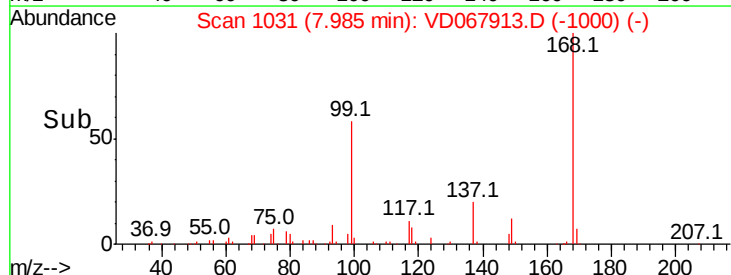
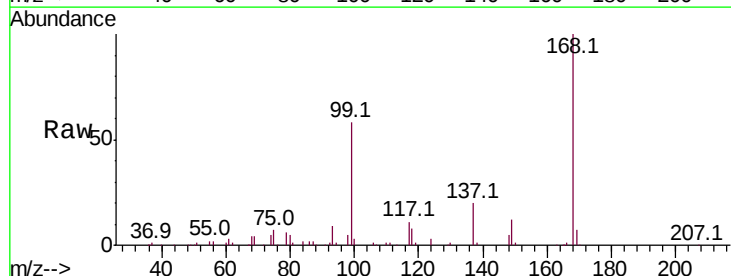
Tgt Ion: 117 Resp: 24561

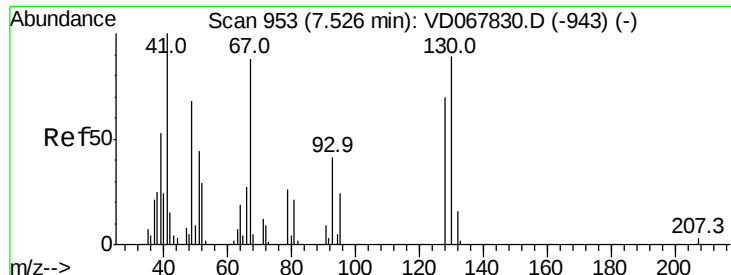
Ion Ratio Lower Upper

117 100

119 6.0 79.7 119.5#

121 0.0 23.8 35.6#

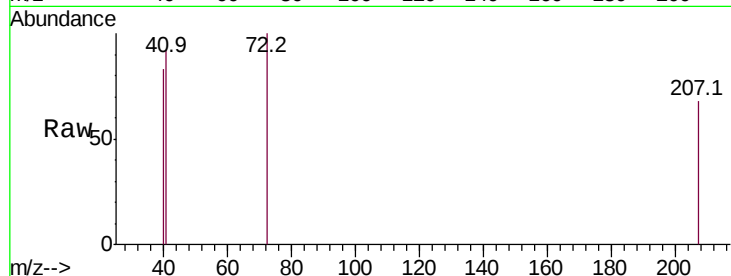




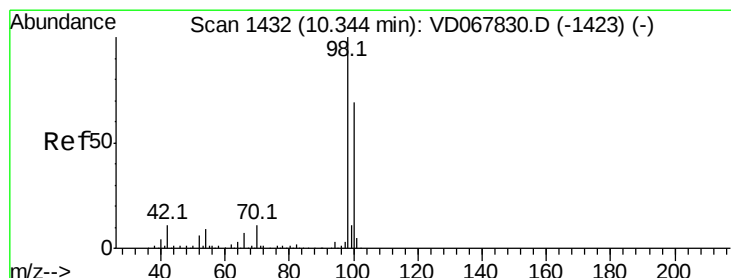
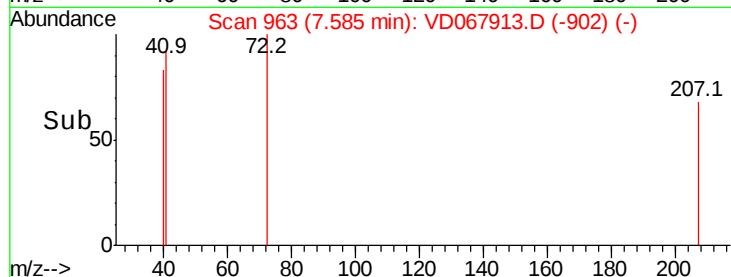
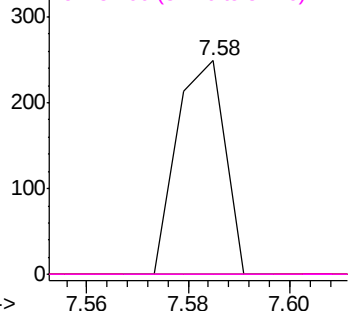
#41
Methacrylonitrile
Concen: Below Cal
RT: 7.58 min Scan# 963
Delta R.T. 0.06 min
Lab File: VD067913.D
Acq: 08 Dec 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
HD-01-120820

Tot Ion: 41 Resp: 163
Ion Ratio Lower Upper
41 100
39 0.0 42.1 63.1#
67 0.0 82.4 123.6#
52 0.0 30.6 45.8#

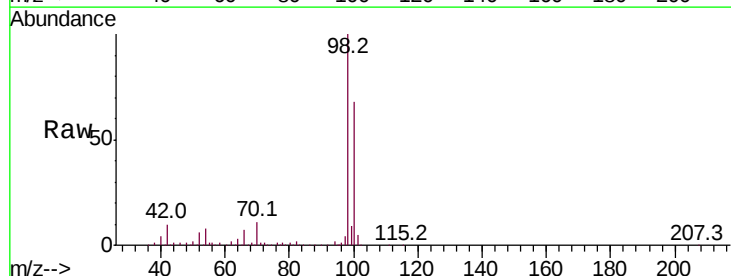


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

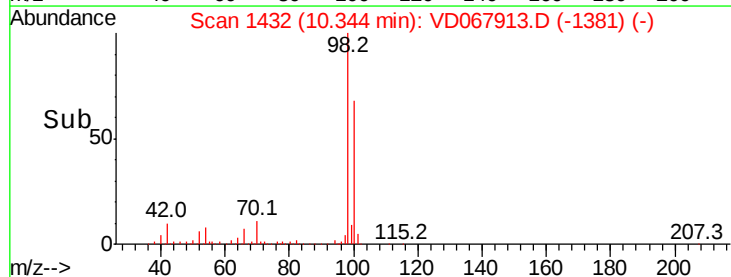
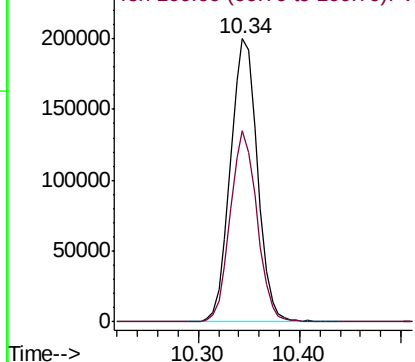


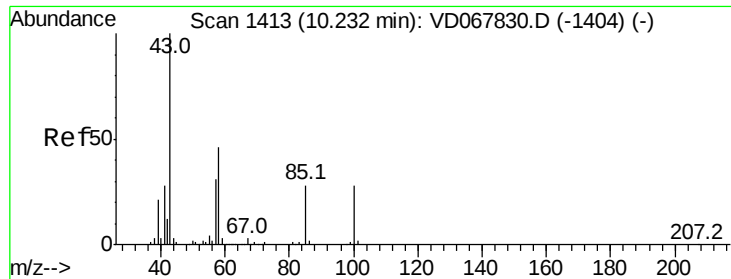
#50
Toluene-d8
Concen: 46.241 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067913.D
Acq: 08 Dec 2020 15:33

Tgt Ion: 98 Resp: 370156
Ion Ratio Lower Upper
98 100
100 67.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 2.039 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

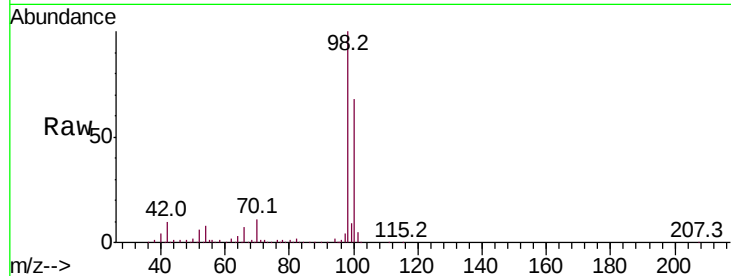
HD-01-120820

Tot Ion: 43 Resp: 1472

Ion Ratio Lower Upper

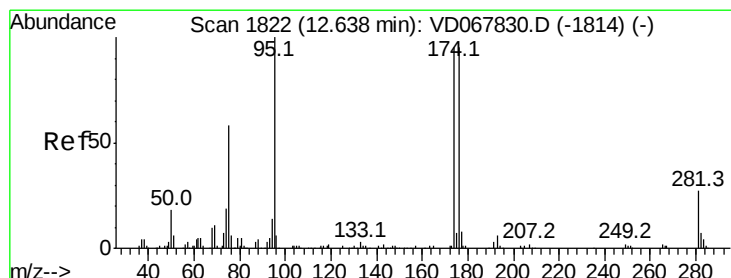
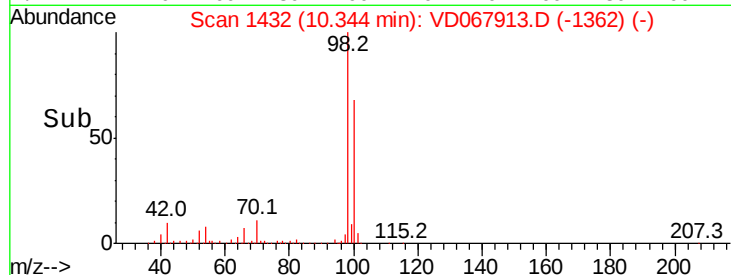
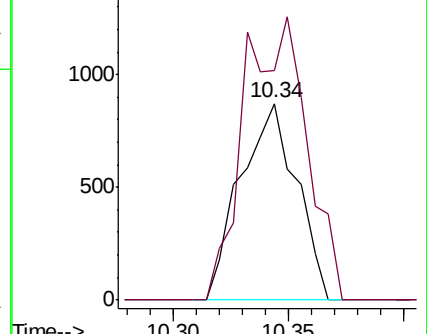
43 100

58 161.6 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: 40.060 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

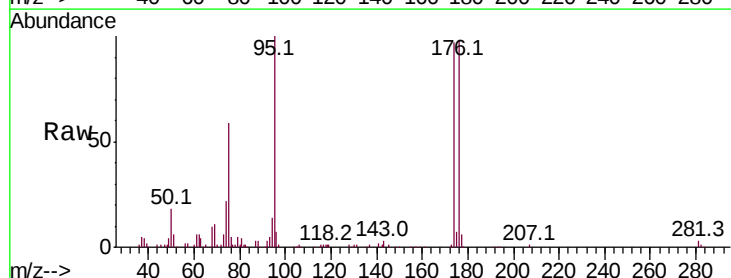
Tgt Ion: 95 Resp: 110868

Ion Ratio Lower Upper

95 100

174 95.6 0.0 186.0

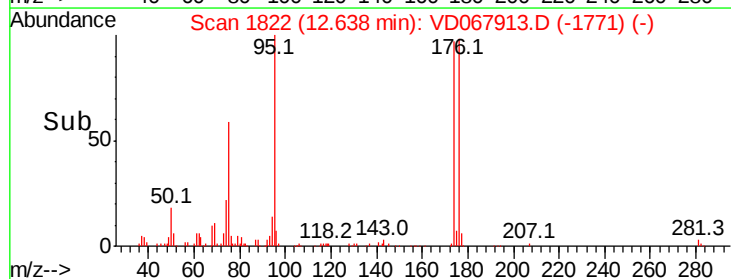
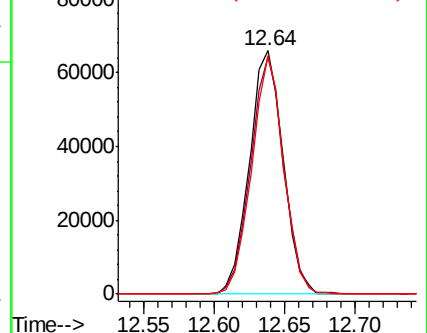
176 92.6 0.0 184.2

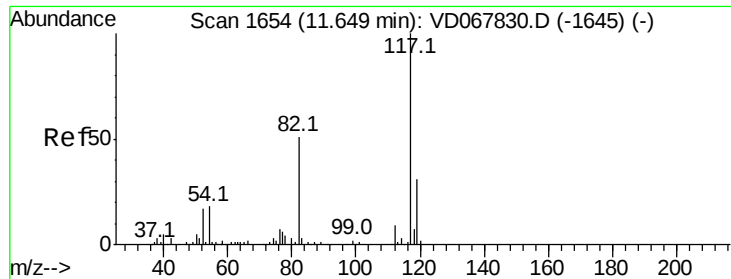


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

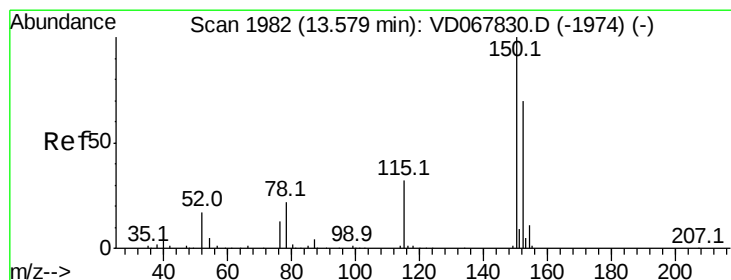
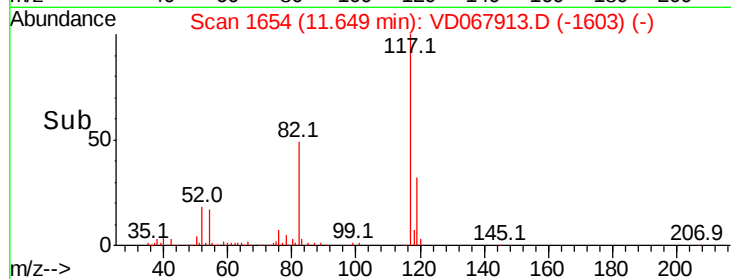
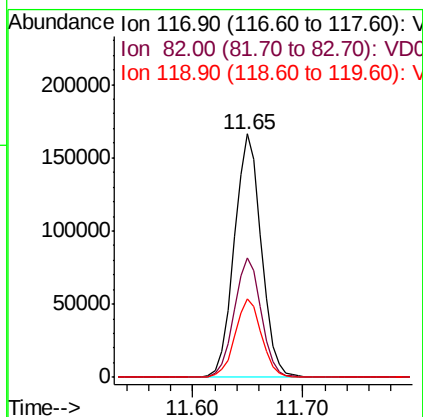
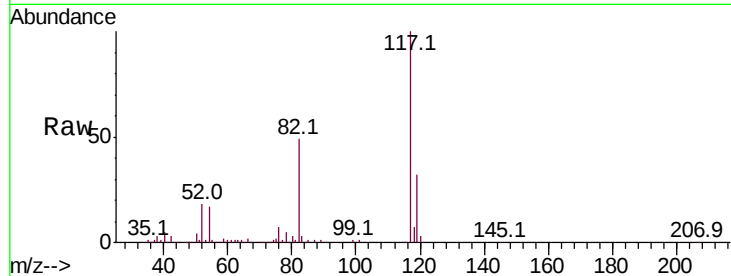




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067913.D
Acq: 08 Dec 2020 15:33

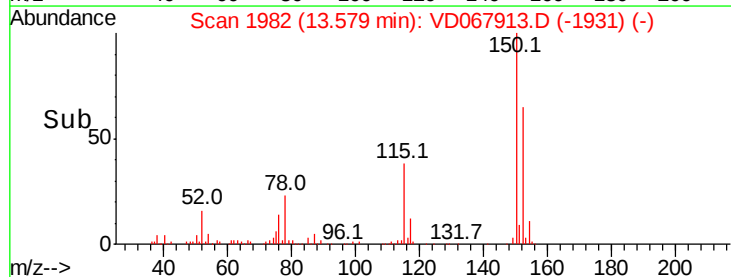
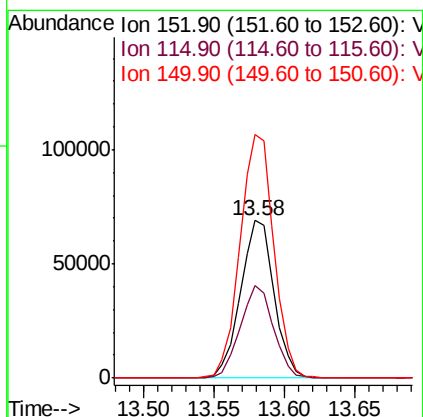
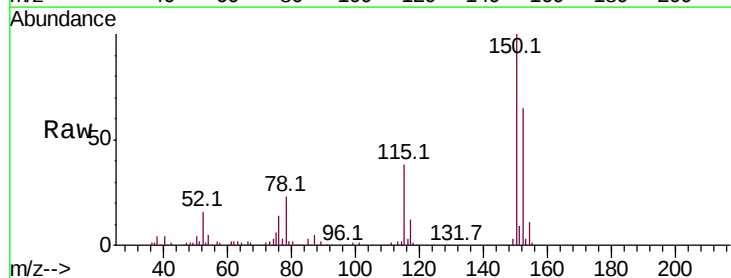
Instrument :
MSVOA_D
ClientSampleId :
HD-01-120820

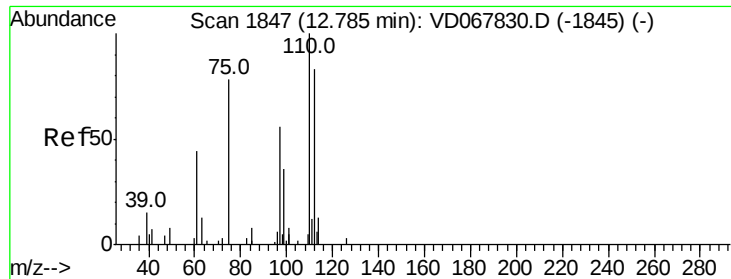
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	40.6	60.8
119	32.2	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067913.D
Acq: 08 Dec 2020 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.1	87.4
150	155.5	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 74.619 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

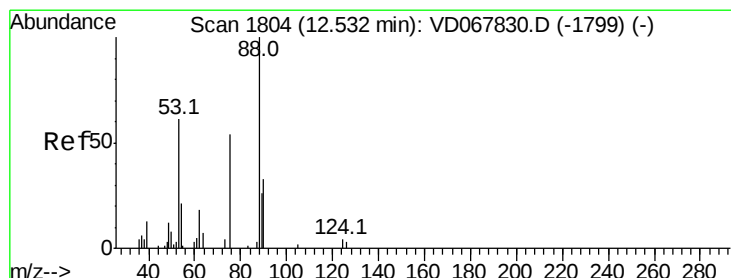
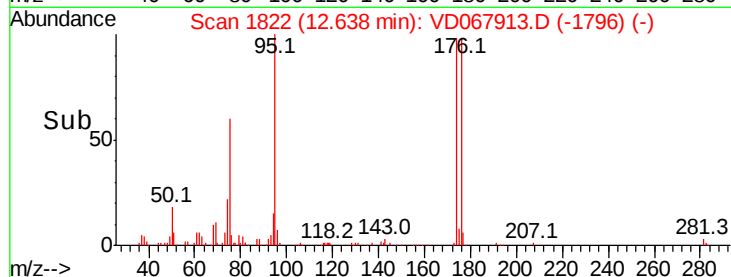
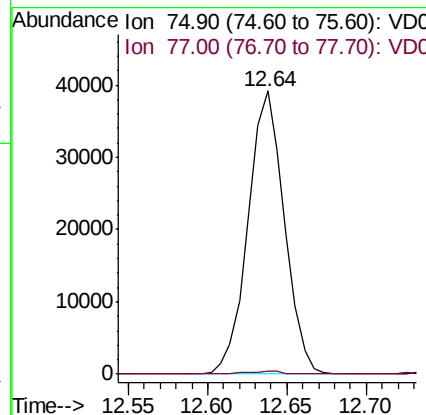
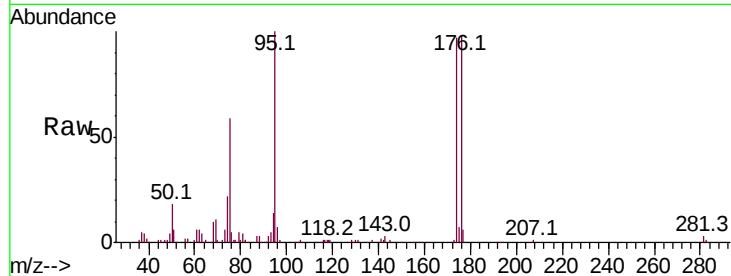
HD-01-120820

Tot Ion: 75 Resp: 62248

Ion Ratio Lower Upper

75 100

77 0.9 175.9 527.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 178.496 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

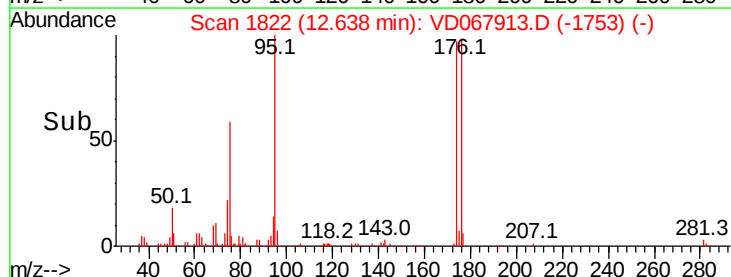
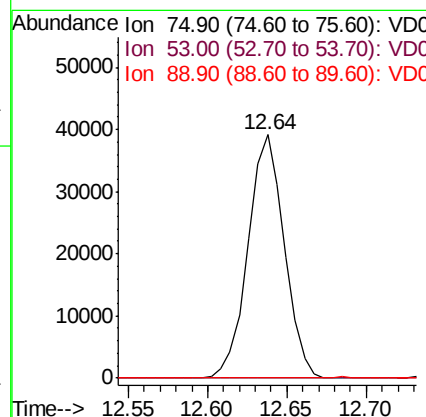
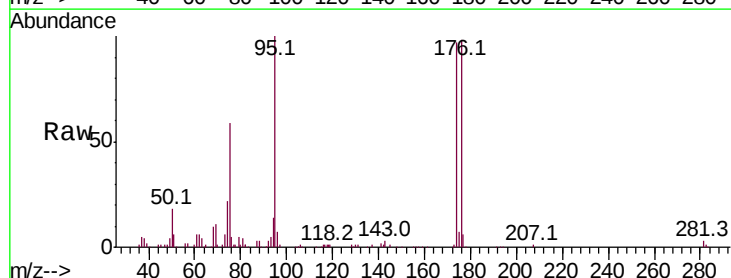
Tgt Ion: 75 Resp: 62248

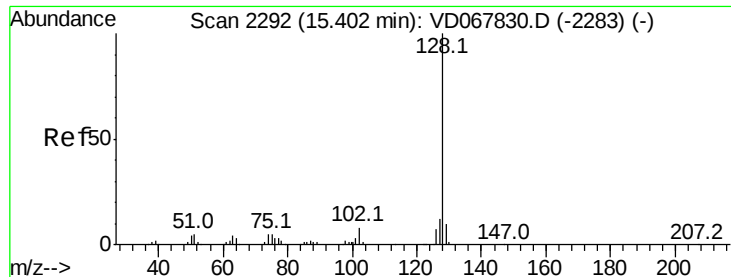
Ion Ratio Lower Upper

75 100

53 0.1 84.6 127.0#

89 0.1 41.0 61.6#





#95
Naphthalene
Concen: 8.134 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067913.D
Acq: 08 Dec 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
HD-01-120820

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.6	15.8
129	11.1	9.0	13.6

