

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067872.D
 Acq On : 03 Dec 2020 17:27
 Operator : VA/SY
 Sample : L4916-01RE
 Misc : 7.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-12220

Quant Time: Dec 04 01:09:23 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	232904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	321353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	279382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	122165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117860	47.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.28%
35) Dibromofluoromethane	7.92	113	98612	45.86	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.72%
50) Toluene-d8	10.34	98	369633	47.75	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.50%
62) 4-Bromofluorobenzene	12.64	95	112152	41.91	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.82%

Target Compounds

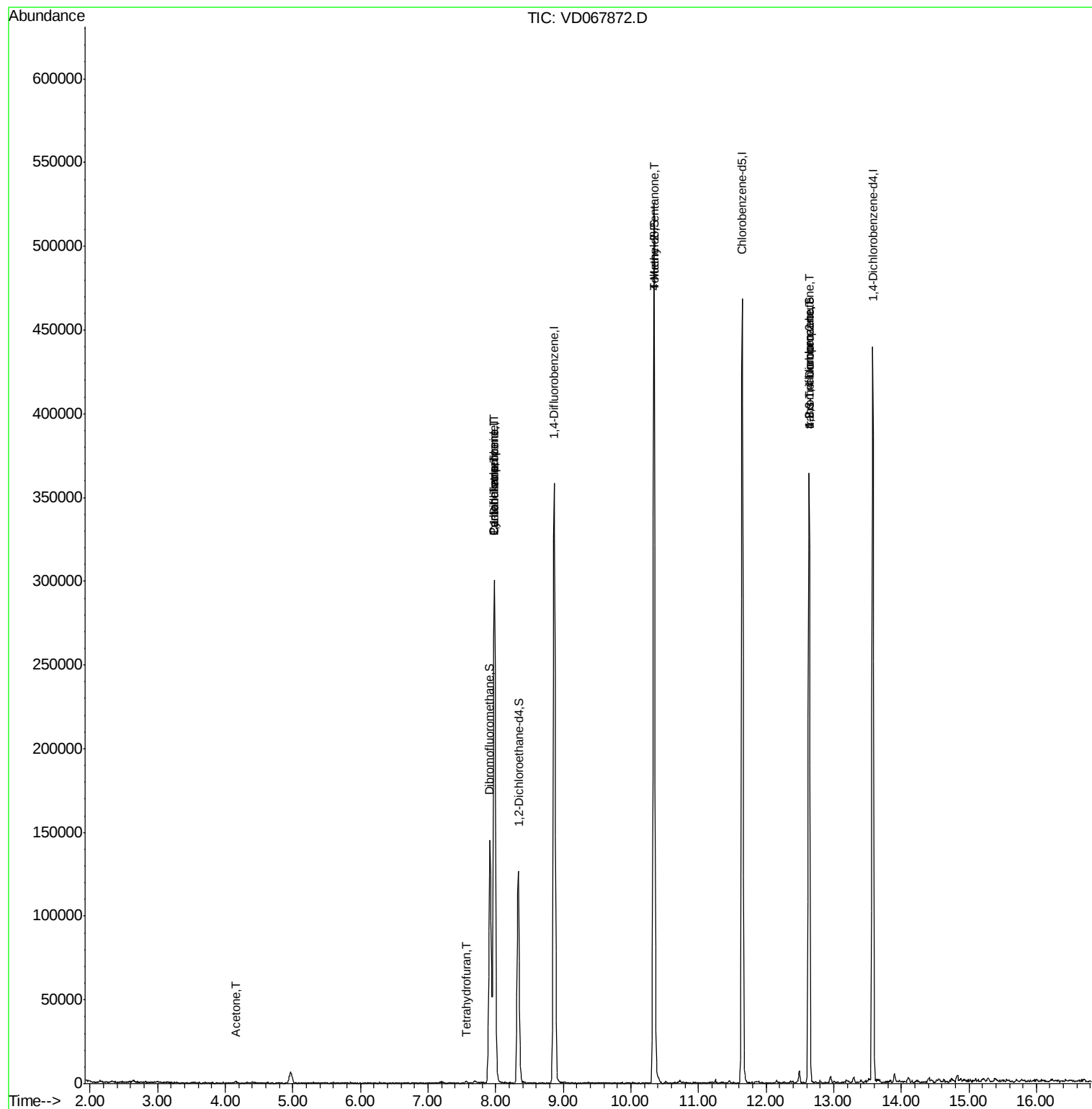
					Qvalue	
16) Acetone	4.16	43	1454	4.706	ug/l	96
20) Methylene Chloride	4.96	84	6106	Below Cal		85
29) Tetrahydrofuran	7.56	42	454	2.454	ug/l #	83
31) Cyclohexane	7.98	56	5050	1.917	ug/l #	33
36) 1,1-Dichloropropene	7.98	75	15313	5.504	ug/l #	52
38) Carbon Tetrachloride	7.98	117	23306	5.537	ug/l #	15
41) Methacrylonitrile	7.56	41	157	Below Cal	#	22
51) 4-Methyl-2-Pentanone	10.34	43	1286	1.842	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	60513	68.019	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	60513	162.709	ug/l #	7

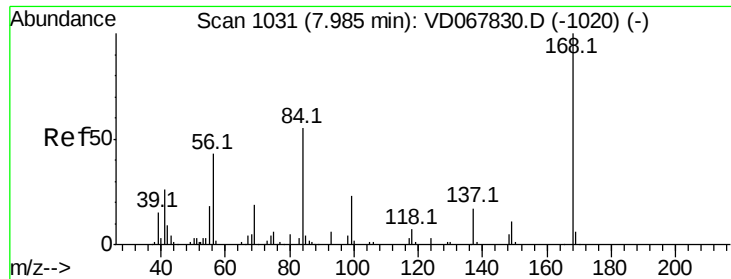
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120320\
Data File : VD067872.D
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Operator : VA/SY
Sample : L4916-01RE
Misc : 7.18G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-01-12220

Quant Time: Dec 04 01:09:23 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# 1030

Delta R.T. -0.01 min

Lab File: VD067872.D

Acq: 03 Dec 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

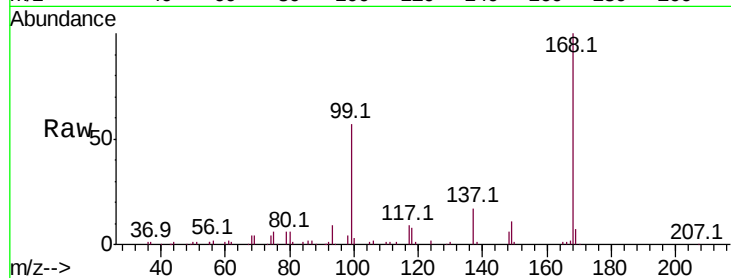
OK-01-12220

Tot Ion:168 Resp: 232904

Ion Ratio Lower Upper

168 100

99 57.2 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

100000

80000

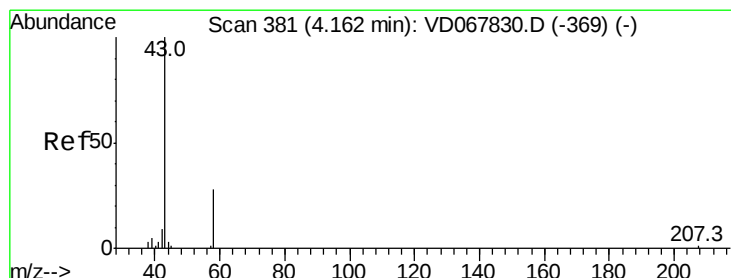
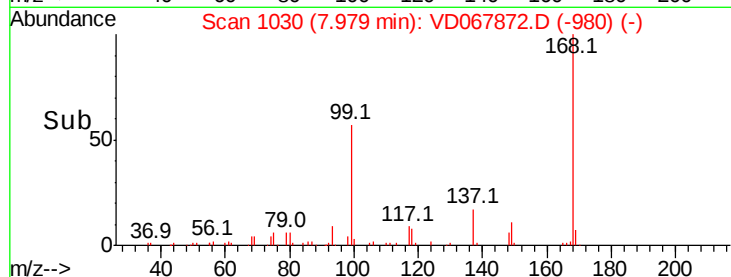
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 4.706 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067872.D

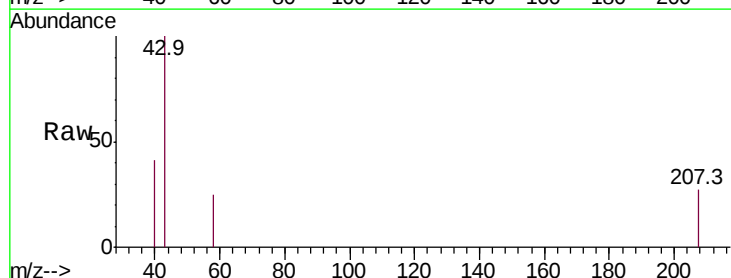
Acq: 03 Dec 2020 17:27

Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

58 25.4 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

800

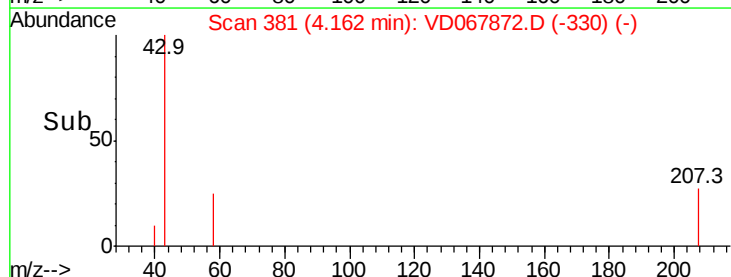
600

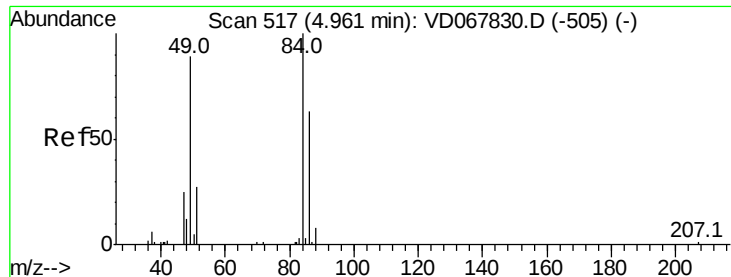
400

200

0

Time-->

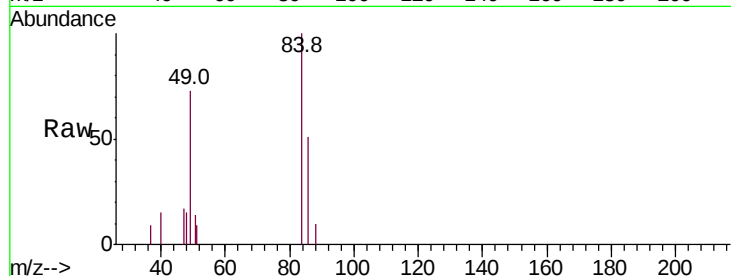




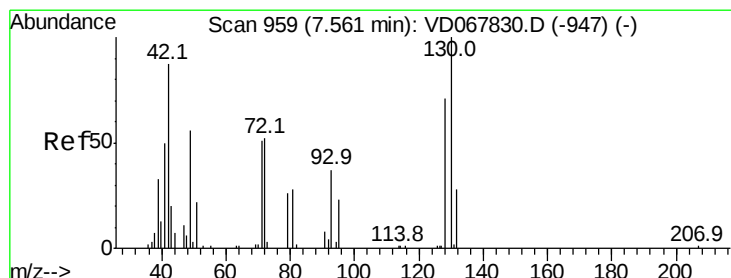
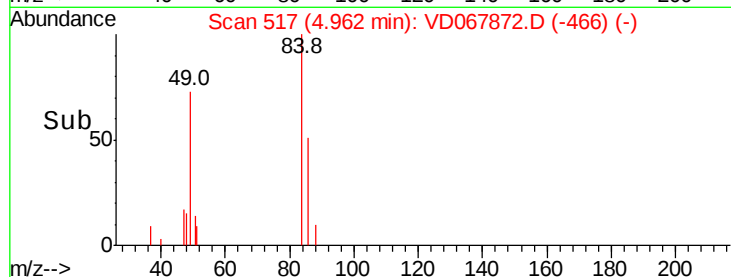
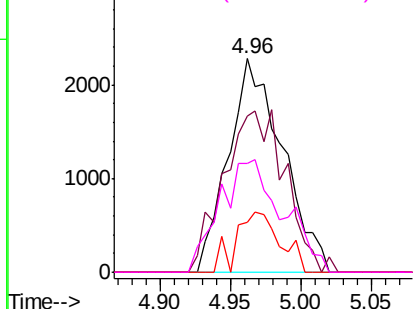
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067872.D
Acq: 03 Dec 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
OK-01-12220

Tot Ion:	84	Resp:	6106
Ion	Ratio	Lower	Upper
84	100		
49	72.9	71.4	107.0
51	23.1	21.8	32.8
86	50.8	50.6	75.8

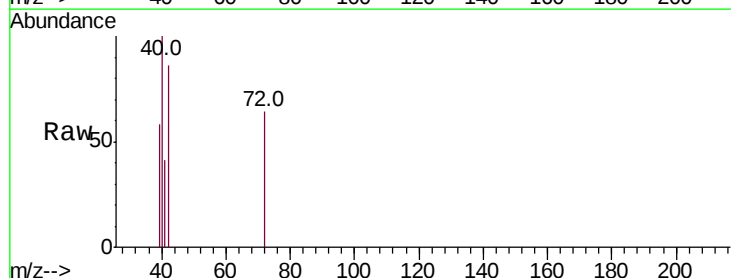


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

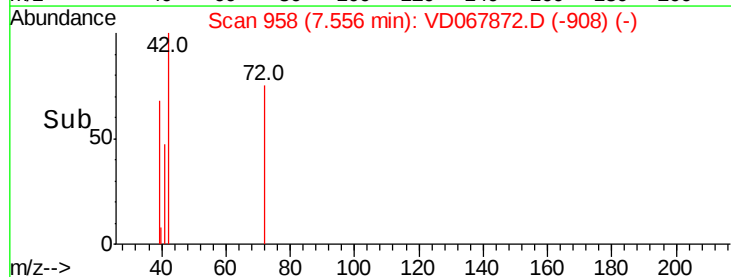
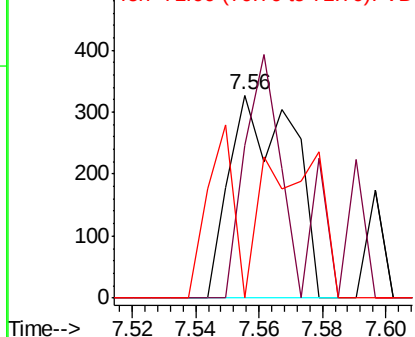


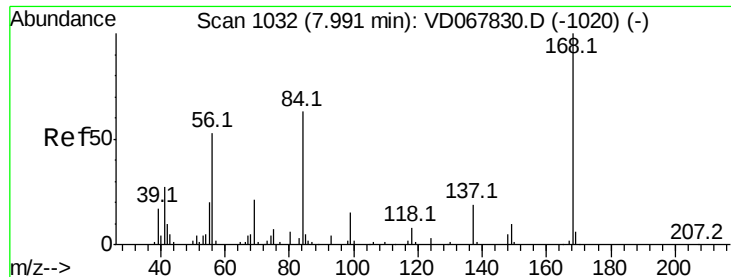
#29
Tetrahydrofuran
Concen: 2.454 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067872.D
Acq: 03 Dec 2020 17:27

Tgt Ion:	42	Resp:	454
Ion	Ratio	Lower	Upper
42	100		
72	66.1	51.9	77.9
71	35.5	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

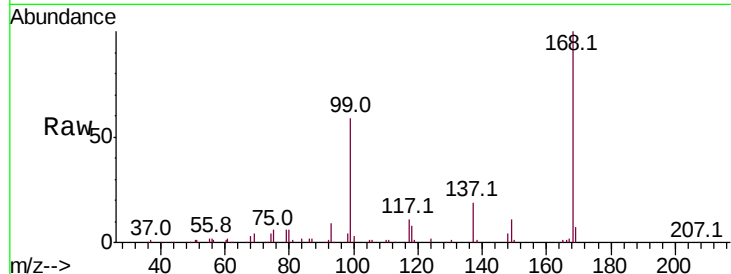




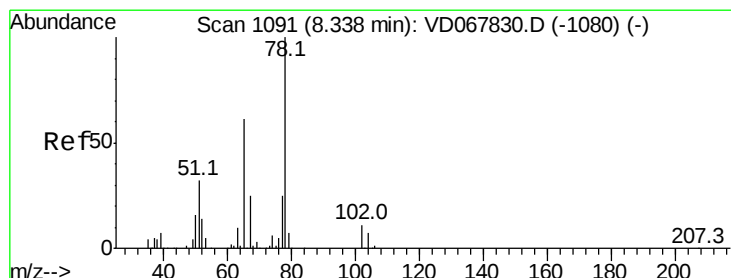
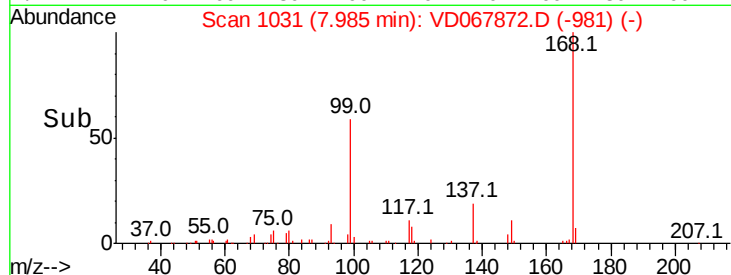
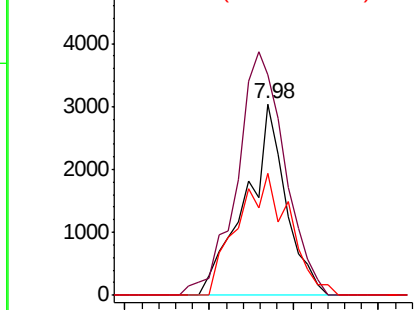
#31
Cyclohexane
Concen: 1.917 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067872.D
Acq: 03 Dec 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :
OK-01-12220

Tot Ion: 56 Resp: 5050
Ion Ratio Lower Upper
56 100
69 115.2 32.1 48.1#
84 63.5 93.2 139.8#

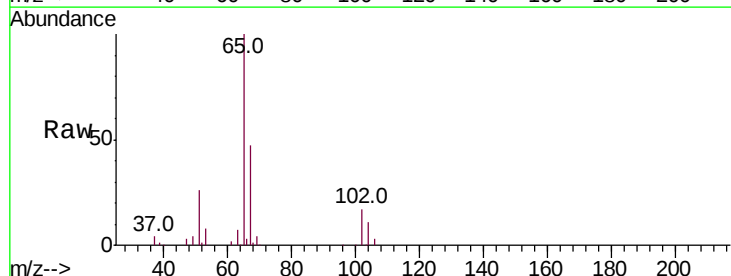


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

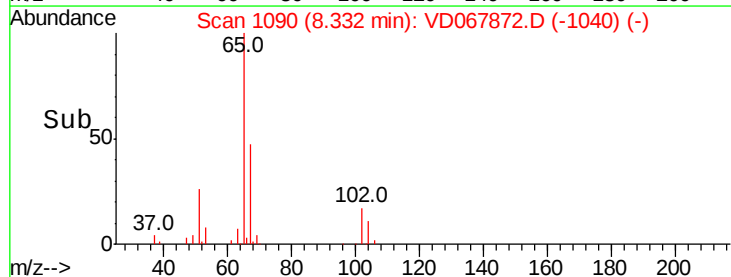
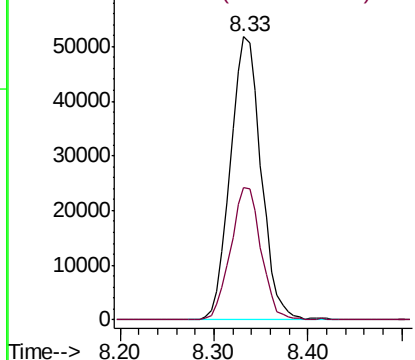


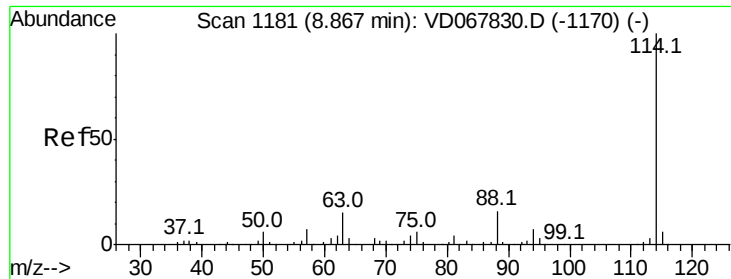
#33
1,2-Dichloroethane-d4
Concen: 47.138 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067872.D
Acq: 03 Dec 2020 17:27

Tgt Ion: 65 Resp: 117860
Ion Ratio Lower Upper
65 100
67 46.2 0.0 92.0



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

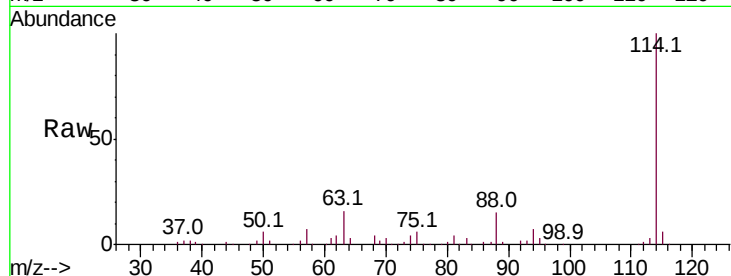




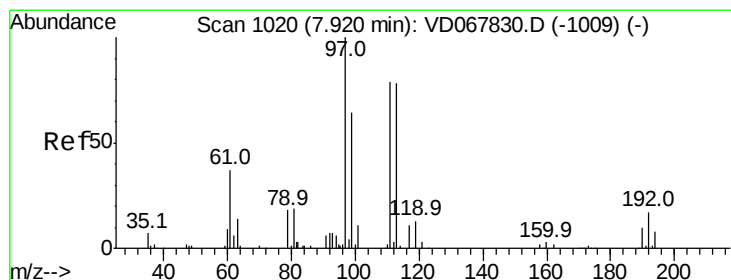
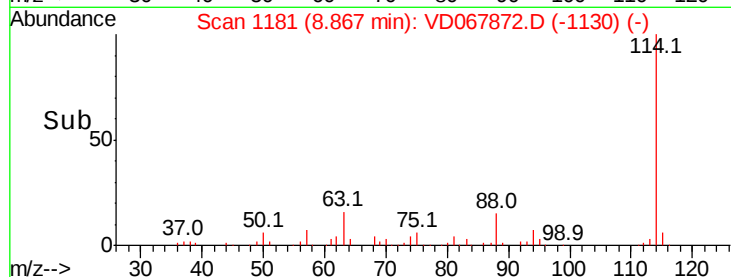
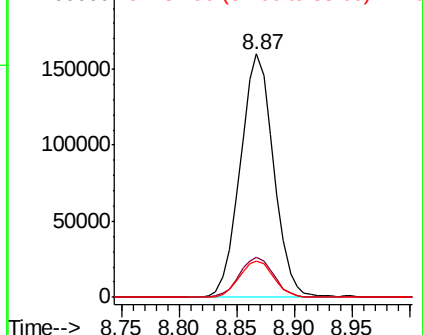
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067872.D
 Acq: 03 Dec 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-12220

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	30.8
88	14.8	0.0	31.8

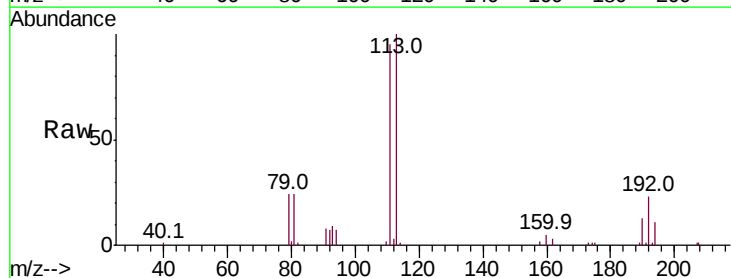


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

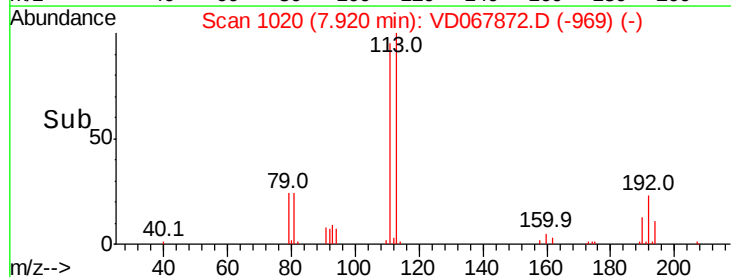
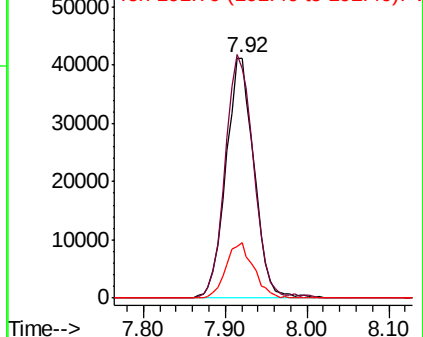


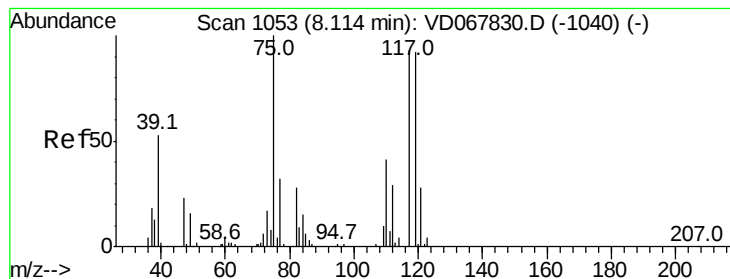
#35
 Dibromofluoromethane
 Concen: 45.859 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067872.D
 Acq: 03 Dec 2020 17:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.2	121.8
192	22.5	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: 5.504 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067872.D

Acq: 03 Dec 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

OK-01-12220

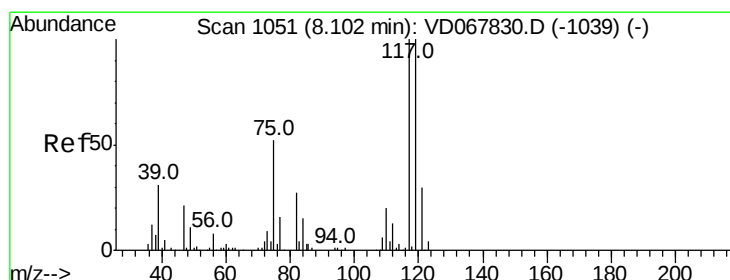
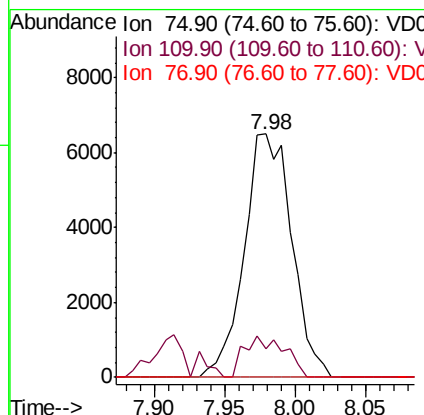
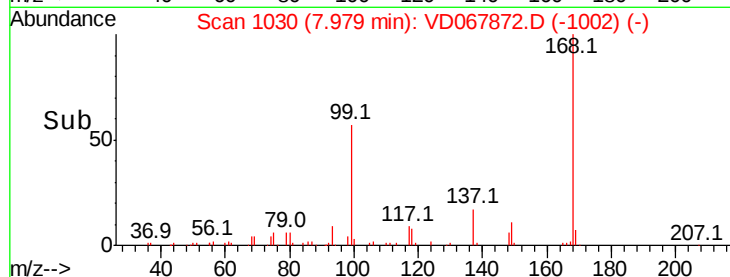
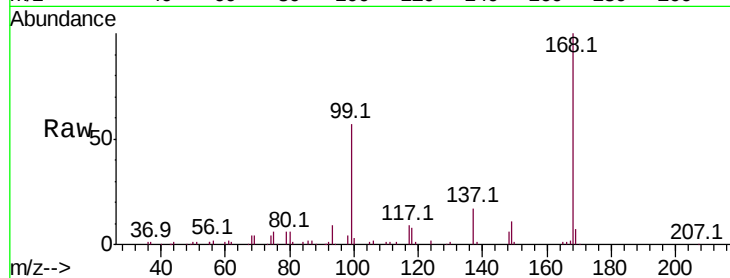
Tot Ion: 75 Resp: 15313

Ion Ratio Lower Upper

75 100

110 14.3 20.3 61.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.537 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067872.D

Acq: 03 Dec 2020 17:27

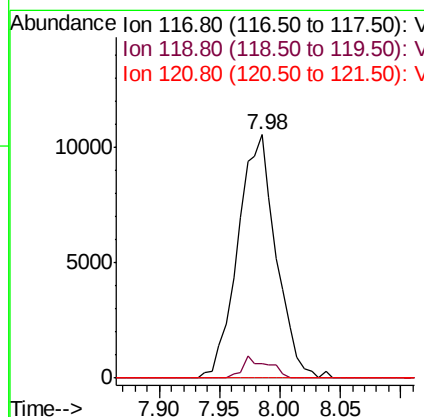
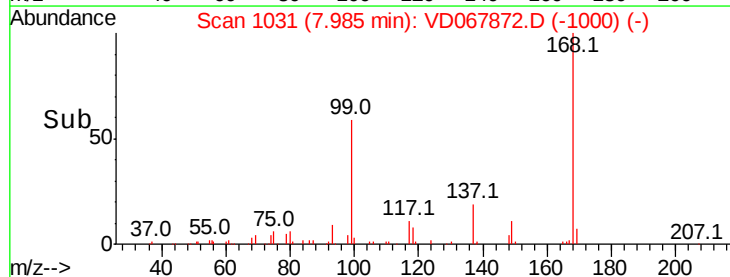
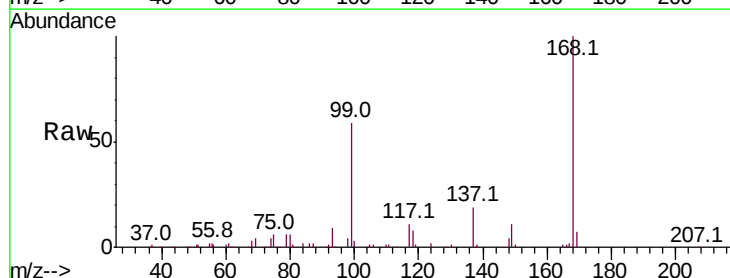
Tgt Ion: 117 Resp: 23306

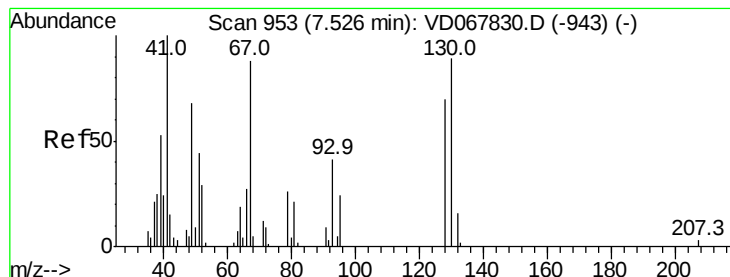
Ion Ratio Lower Upper

117 100

119 6.2 79.7 119.5#

121 0.0 23.8 35.6#





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.56 min Scan# 959

Delta R.T. 0.04 min

Lab File: VD067872.D

Acq: 03 Dec 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

OK-01-12220

Tot Ion: 41 Resp: 157

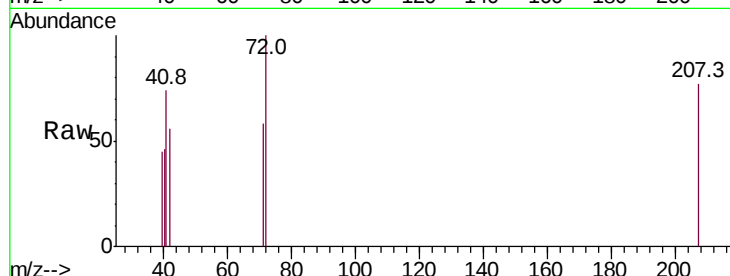
Ion Ratio Lower Upper

41 100

39 84.1 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

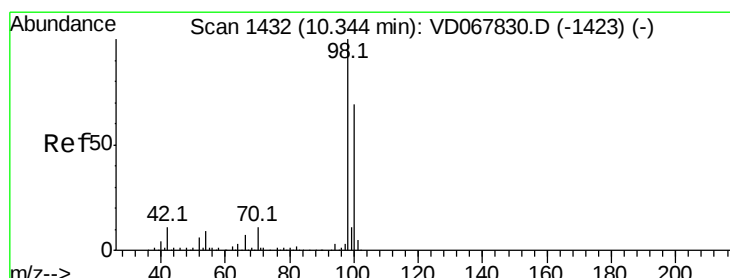
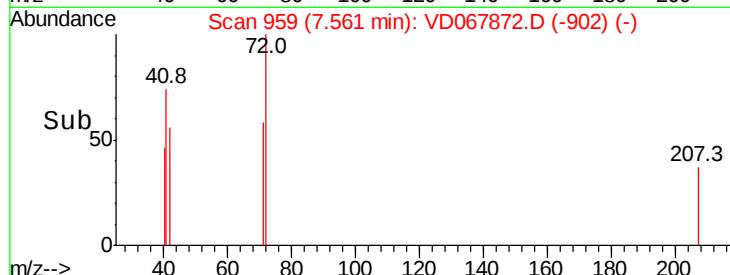
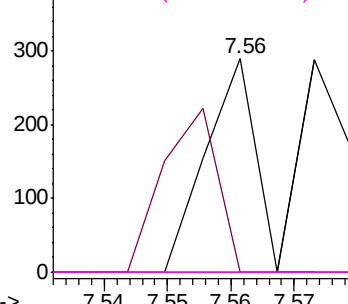


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 47.752 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067872.D

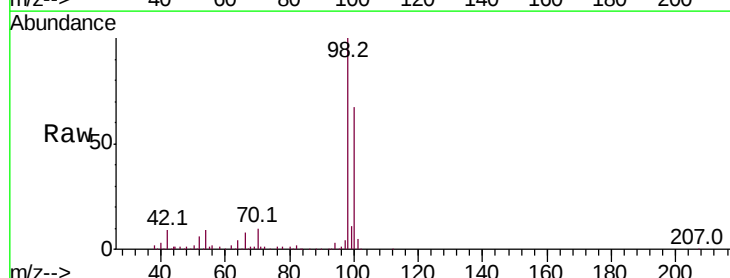
Acq: 03 Dec 2020 17:27

Tgt Ion: 98 Resp: 369633

Ion Ratio Lower Upper

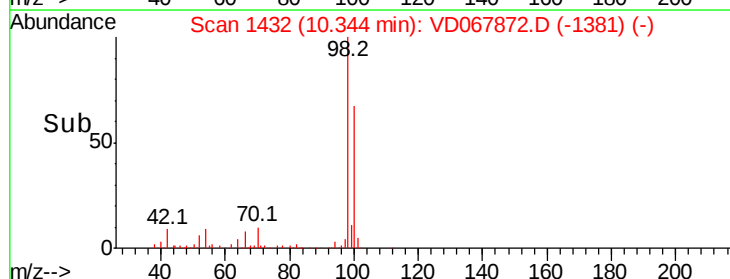
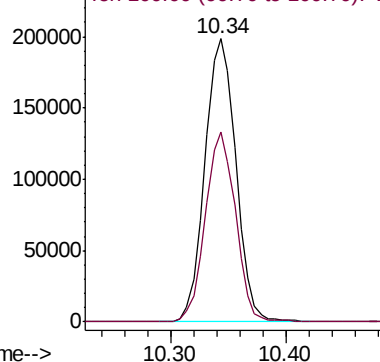
98 100

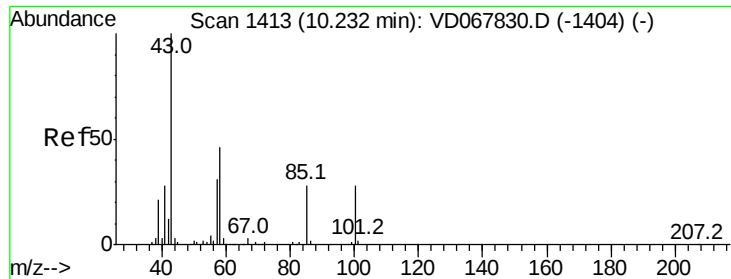
100 65.4 52.9 79.3



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: 1.842 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067872.D

Acq: 03 Dec 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

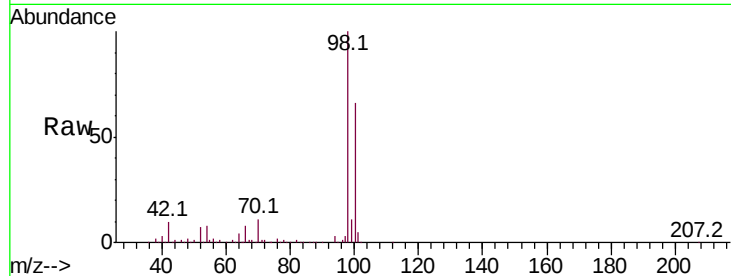
OK-01-12220

Tot Ion: 43 Resp: 1286

Ion Ratio Lower Upper

43 100

58 204.0 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

1000

500

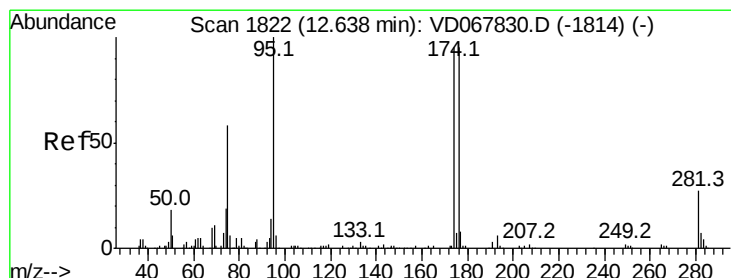
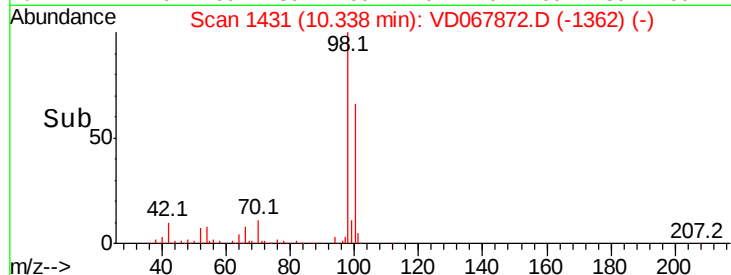
0

10.34

10.35

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 41.907 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067872.D

Acq: 03 Dec 2020 17:27

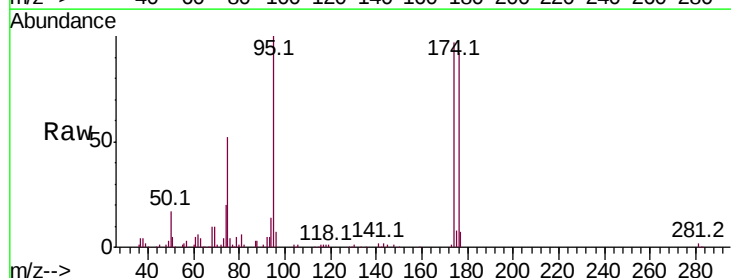
Tgt Ion: 95 Resp: 112152

Ion Ratio Lower Upper

95 100

174 96.2 0.0 186.0

176 91.9 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

80000

60000

40000

20000

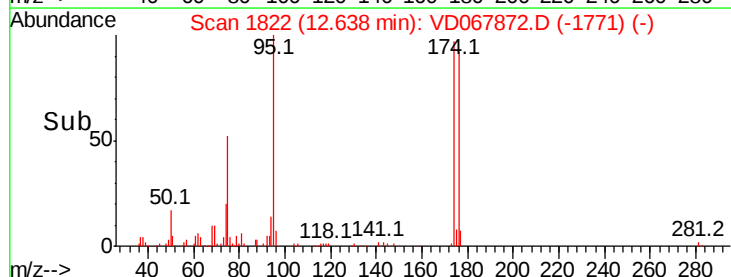
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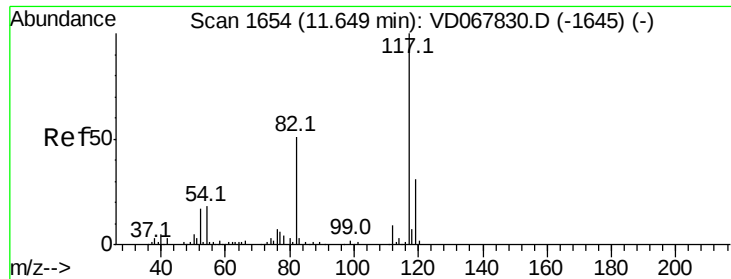
12.64

12.65

12.70

Time-->

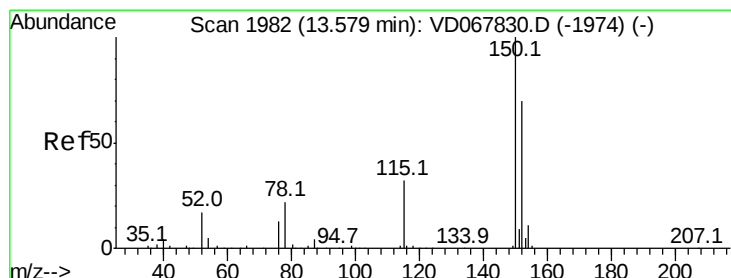
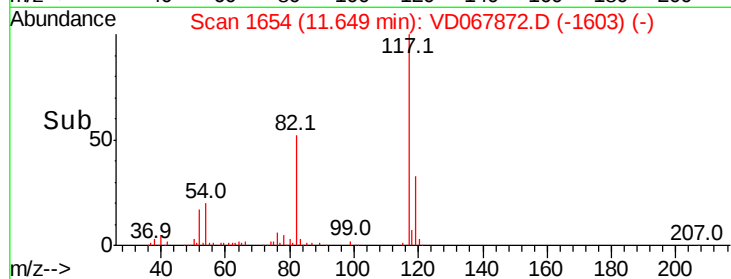
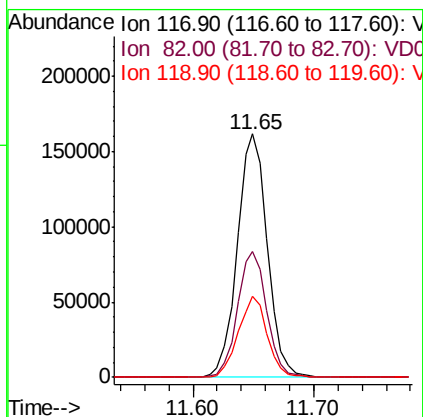
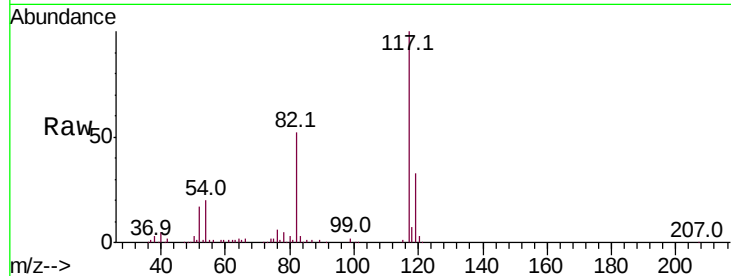




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067872.D
Acq: 03 Dec 2020 17:27

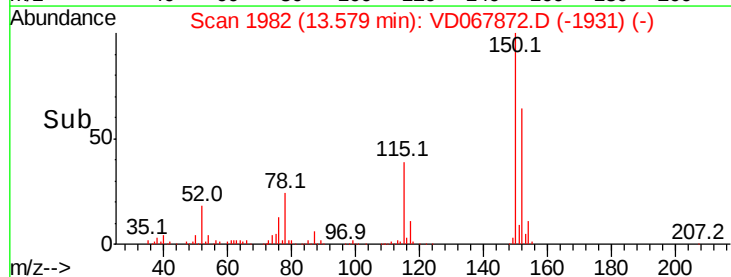
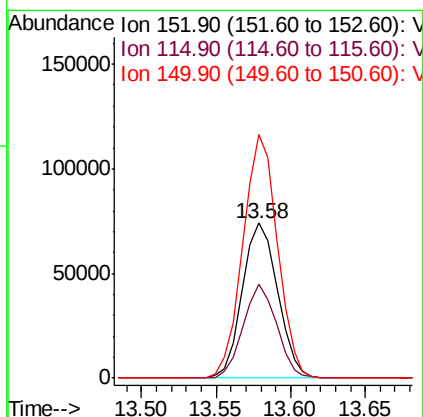
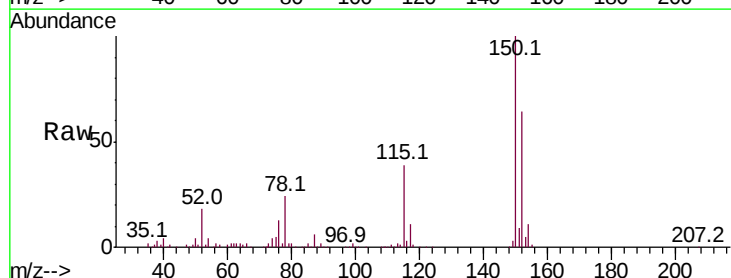
Instrument :
MSVOA_D
ClientSampleId :
OK-01-12220

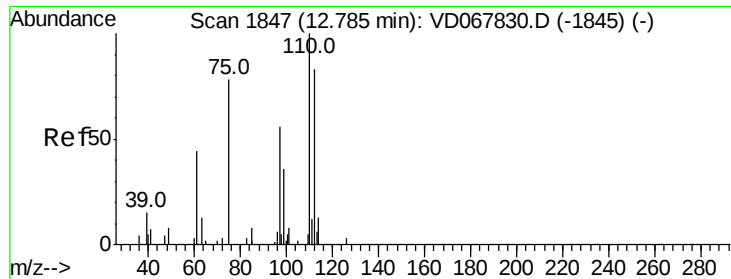
Tot Ion:117 Resp: 279382
Ion Ratio Lower Upper
117 100
82 51.7 40.6 60.8
119 33.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067872.D
Acq: 03 Dec 2020 17:27

Tgt Ion:152 Resp: 122165
Ion Ratio Lower Upper
152 100
115 57.0 29.1 87.4
150 152.5 0.0 339.0

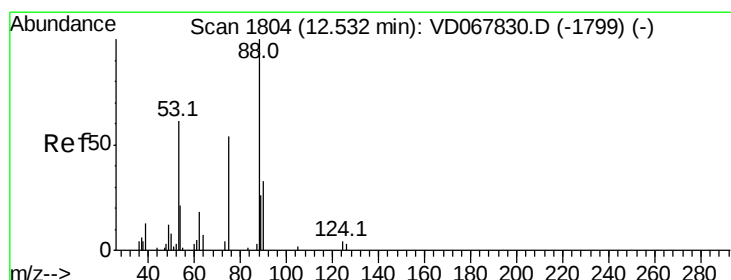
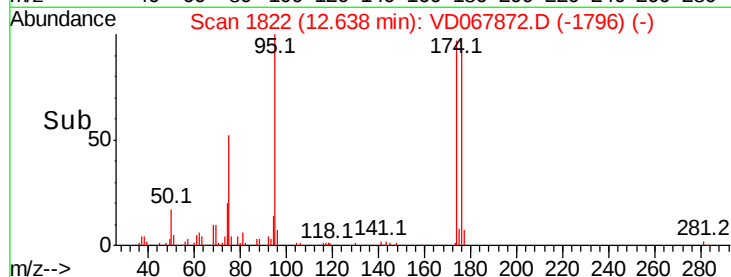
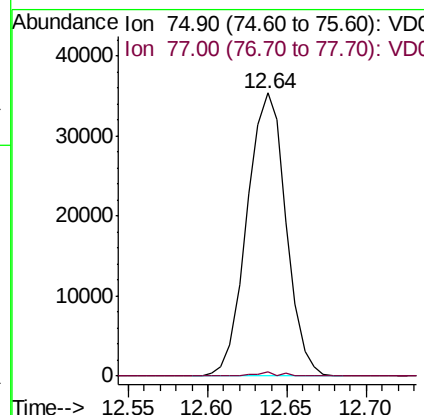
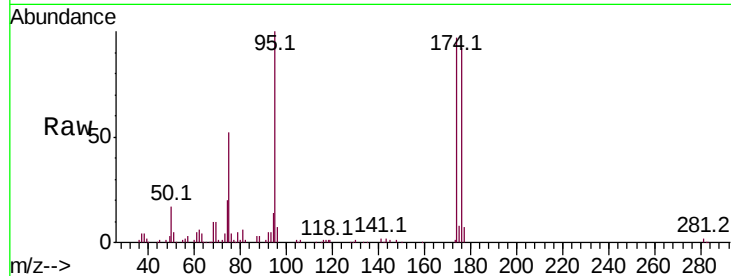




#76
 1,2,3-Trichloropropane
 Concen: 68.019 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067872.D
 Acq: 03 Dec 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-12220

Tot Ion: 75 Resp: 60513
 Ion Ratio Lower Upper
 75 100
 77 0.8 175.9 527.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 162.709 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067872.D
 Acq: 03 Dec 2020 17:27

Tgt Ion: 75 Resp: 60513
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 127.0#
 89 0.0 41.0 61.6#

