

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067793.D
 Acq On : 25 Nov 2020 18:00
 Operator : VA/SY
 Sample : L4899-01
 Misc : 6.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Nov 26 00:26:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	512594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	801946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	769299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377745	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	262440	52.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.32%
35) Dibromofluoromethane	7.92	113	249257	48.84	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.68%
50) Toluene-d8	10.34	98	910003	48.77	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.54%
62) 4-Bromofluorobenzene	12.64	95	340283	53.35	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.70%

Target Compounds

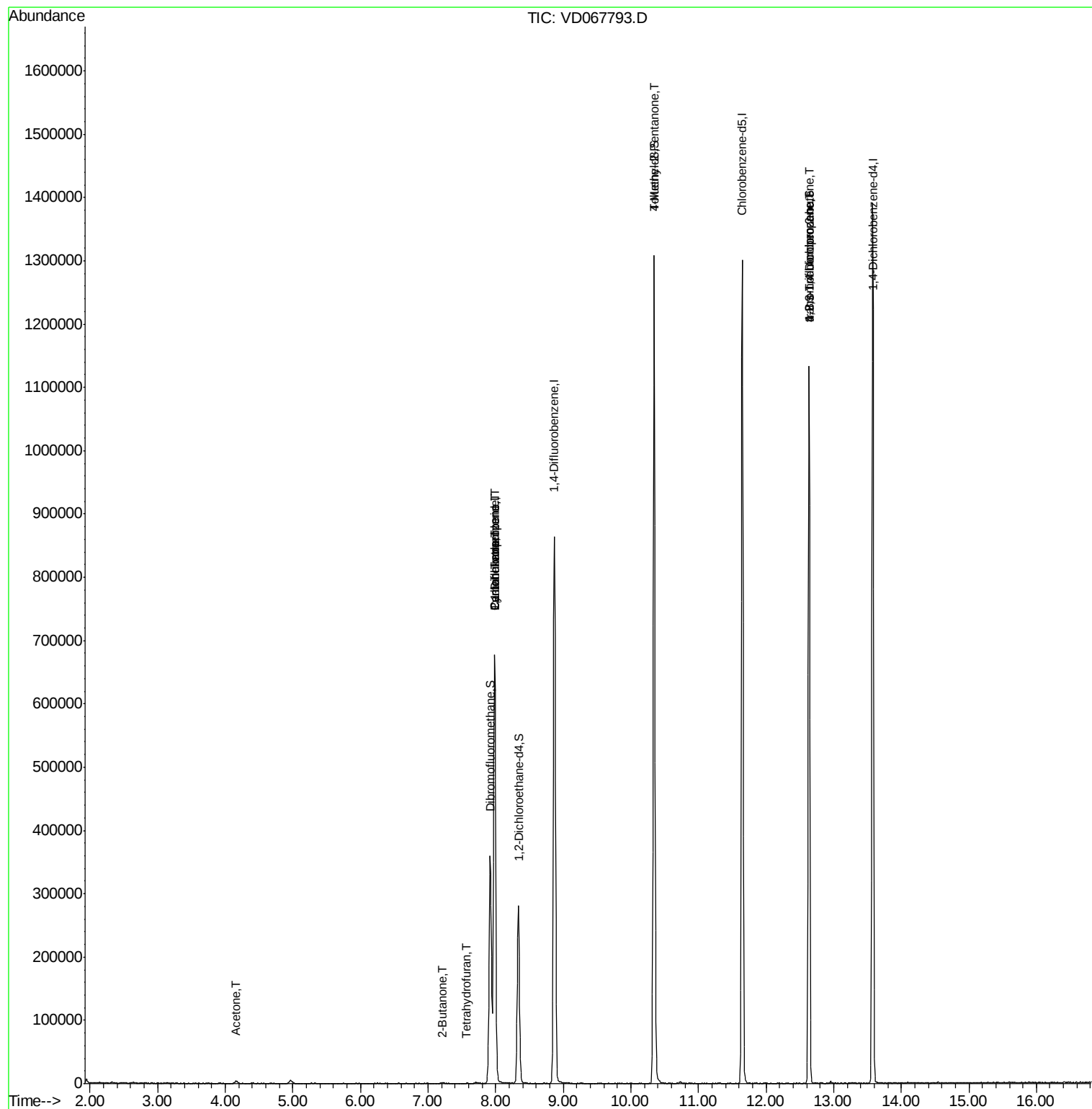
					Qvalue	
16) Acetone	4.16	43	7123	11.063	ug/l #	81
20) Methylene Chloride	4.97	84	3800	Below Cal	#	93
25) 2-Butanone	7.21	43	1335	1.848	ug/l	92
29) Tetrahydrofuran	7.57	42	449	1.093	ug/l #	88
31) Cyclohexane	7.98	56	9165	1.520	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	35191	5.114	ug/l #	49
38) Carbon Tetrachloride	7.98	117	52116	5.225	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	3154	1.814	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	190165	72.232	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	190165	168.945	ug/l #	11

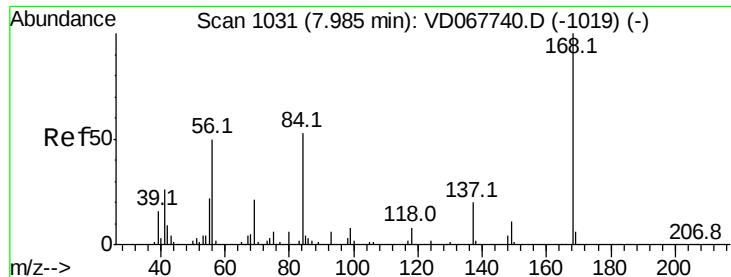
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112520\
Data File : VD067793.D
Acq On : 25 Nov 2020 18:00
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Instrument :
MSVOA_D
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Quant Time: Nov 26 00:26:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 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: VD067793.D

Acq: 25 Nov 2020 18:00

Instrument :

MSVOA_D

ClientSampleId :

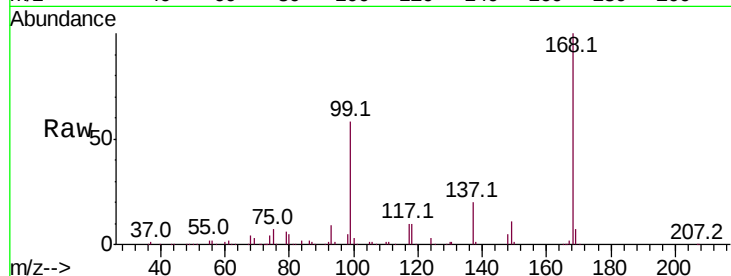
TP-1

Tot Ion:168 Resp: 512594

Ion Ratio Lower Upper

168 100

99 58.2 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

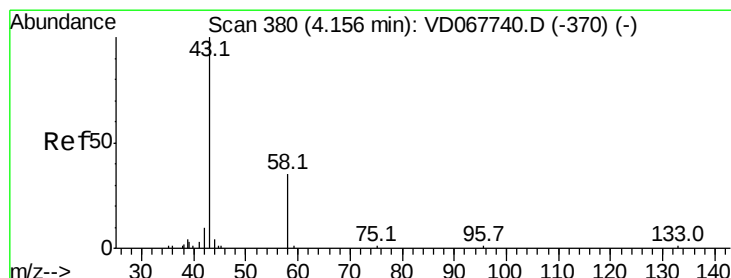
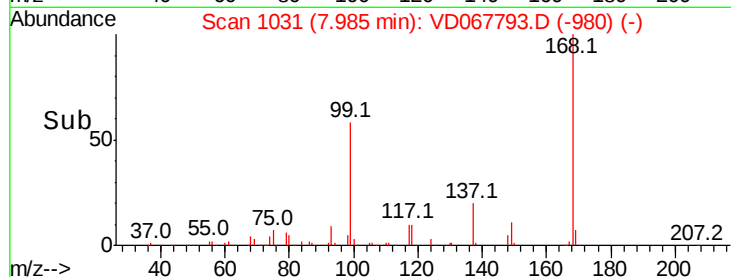
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 11.063 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067793.D

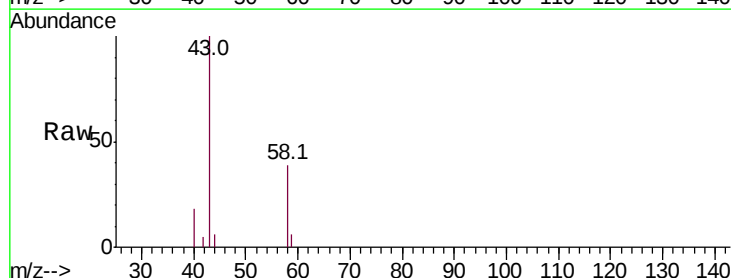
Acq: 25 Nov 2020 18:00

Tgt Ion: 43 Resp: 7123

Ion Ratio Lower Upper

43 100

58 45.7 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

3000

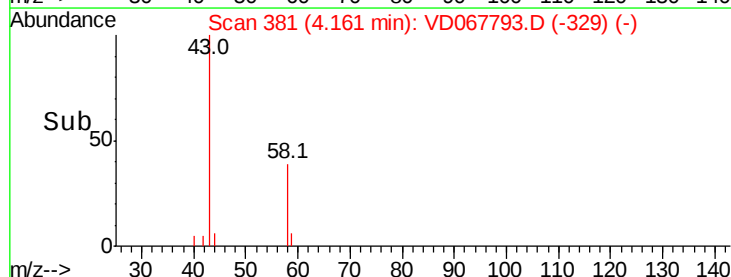
2000

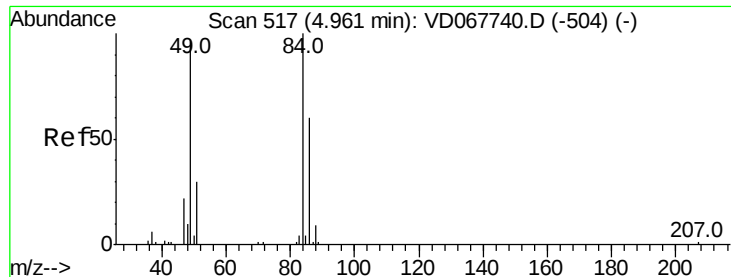
1000

0

Time-->

4.05 4.10 4.15 4.20 4.25





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067793.D

Acq: 25 Nov 2020 18:00

Instrument :

MSVOA_D

ClientSampled :

TP-1

Tot Ion: 84 Resp: 3800

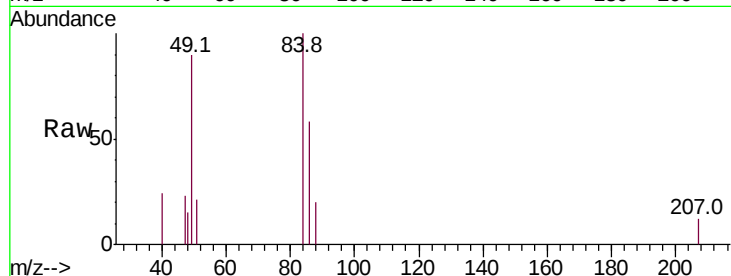
Ion Ratio Lower Upper

84 100

49 90.5 77.4 116.2

51 21.3 24.1 36.1#

86 58.3 48.2 72.2

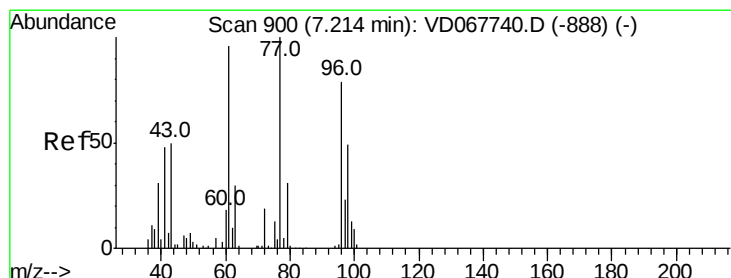
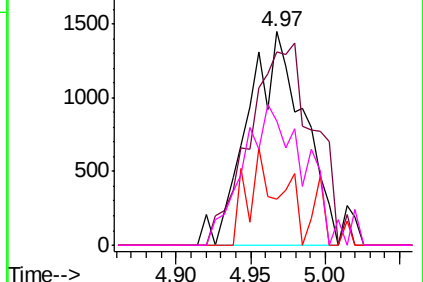
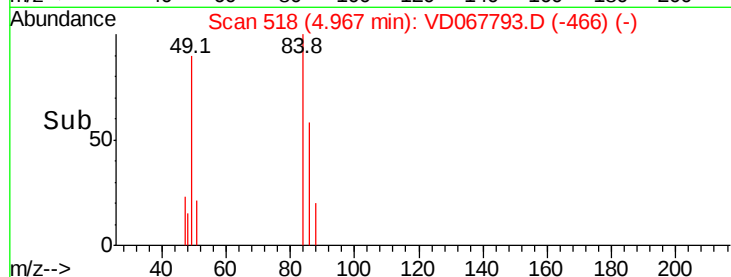


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 1.848 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067793.D

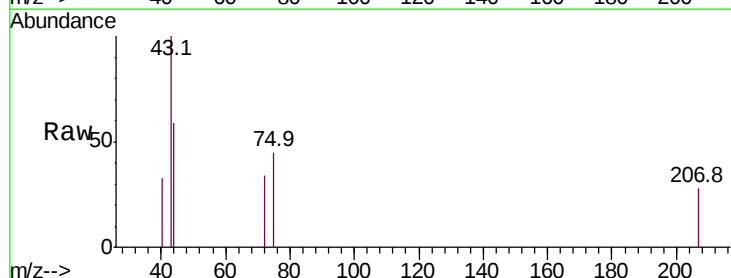
Acq: 25 Nov 2020 18:00

Tgt Ion: 43 Resp: 1335

Ion Ratio Lower Upper

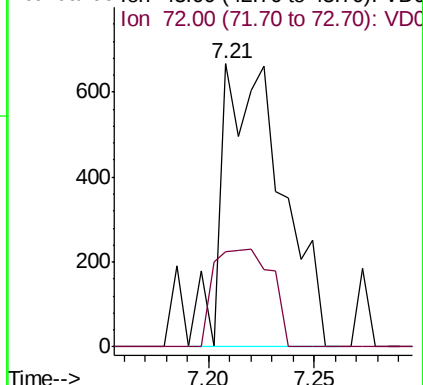
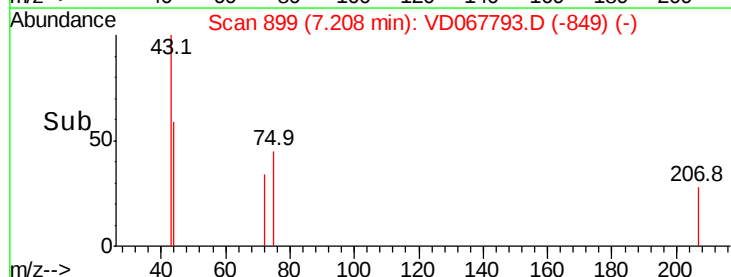
43 100

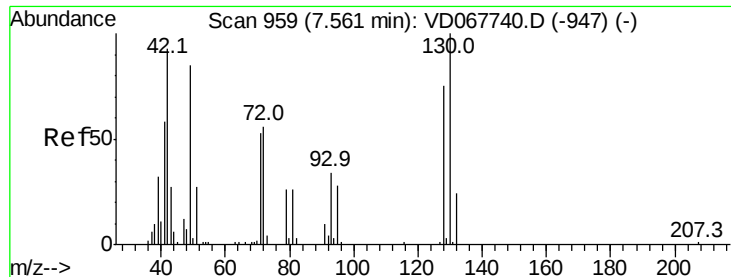
72 33.7 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.093 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067793.D

Acq: 25 Nov 2020 18:00

Instrument :

MSVOA_D

ClientSampled :

TP-1

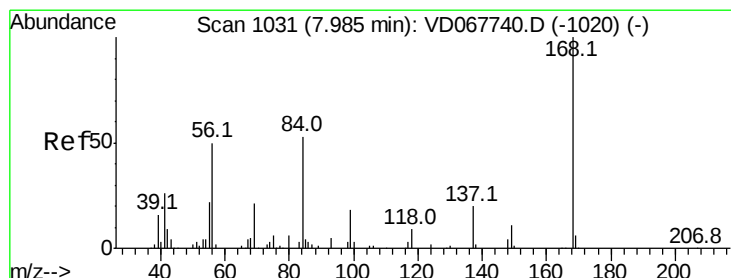
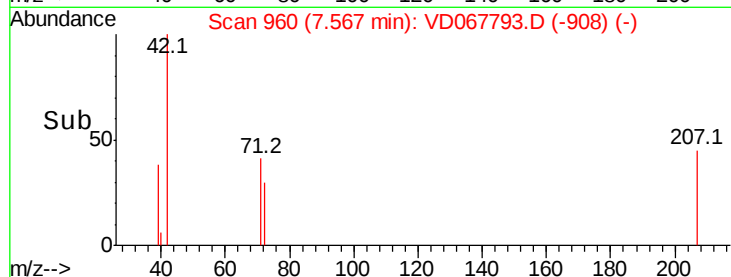
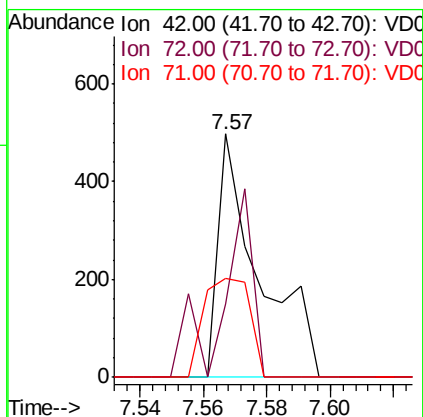
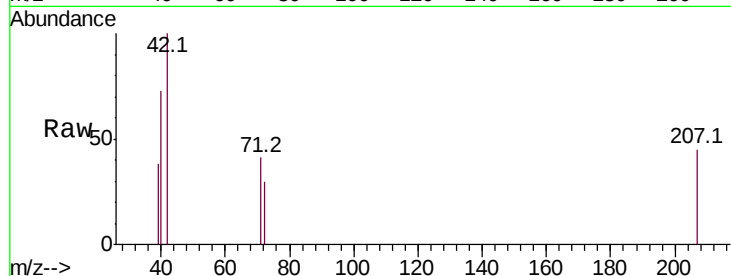
Tot Ion: 42 Resp: 449

Ion Ratio Lower Upper

42 100

72 55.5 49.3 73.9

71 45.2 45.9 68.9#



#31

Cyclohexane

Concen: 1.520 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067793.D

Acq: 25 Nov 2020 18:00

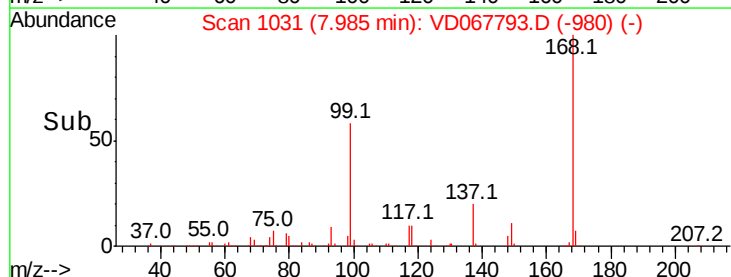
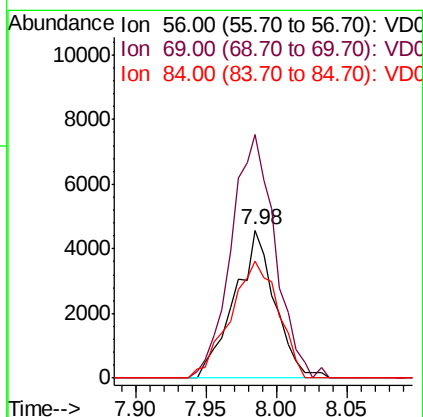
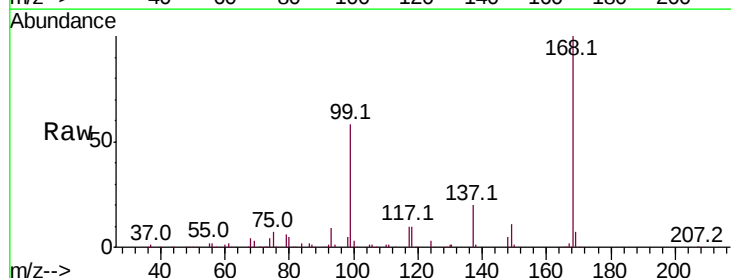
Tgt Ion: 56 Resp: 9165

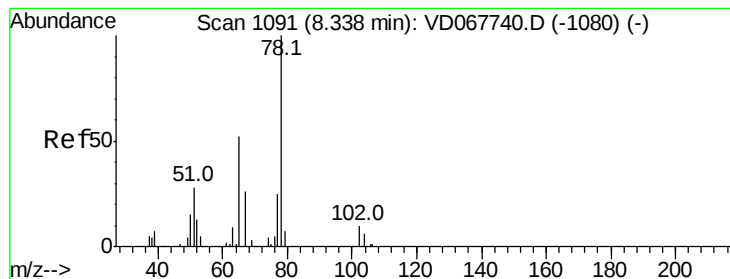
Ion Ratio Lower Upper

56 100

69 164.3 33.2 49.8#

84 79.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 52.656 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067793.D

Acq: 25 Nov 2020 18:00

Instrument :

MSVOA_D

ClientSampled :

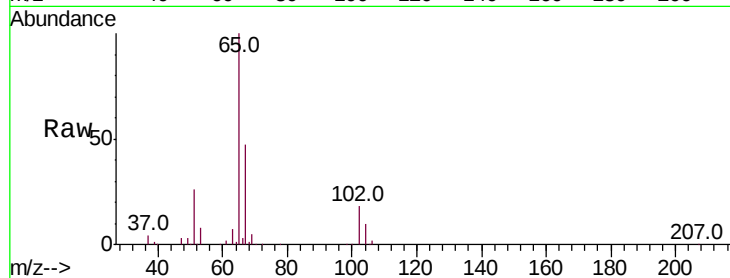
TP-1

Tot Ion: 65 Resp: 262440

Ion Ratio Lower Upper

65 100

67 46.6 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

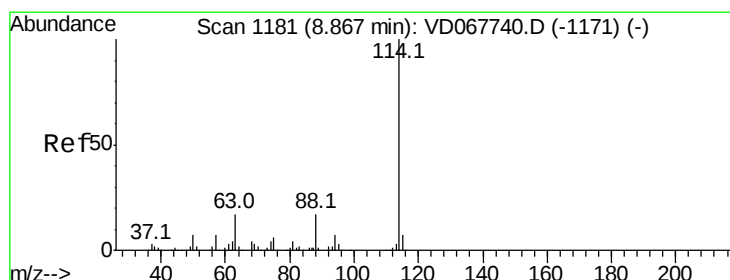
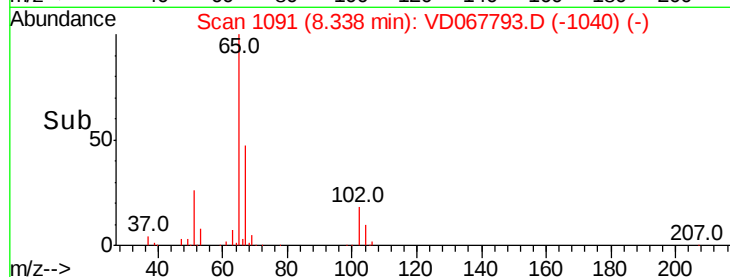
100000

50000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067793.D

Acq: 25 Nov 2020 18:00

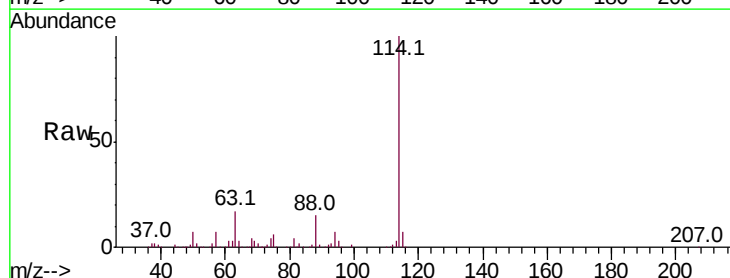
Tgt Ion: 114 Resp: 801946

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.8

88 15.2 0.0 34.4



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

8.87

500000

400000

300000

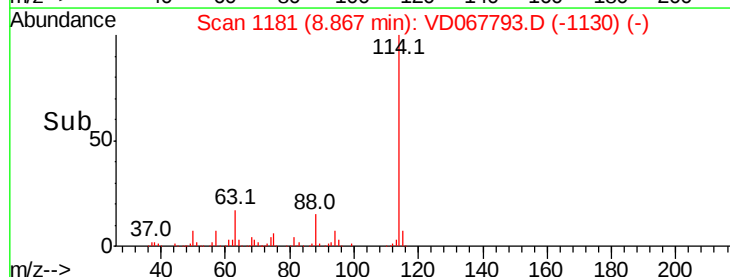
200000

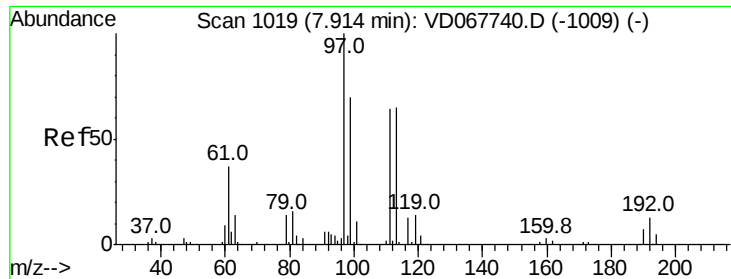
100000

0

8.80 8.90 9.00

Time-->

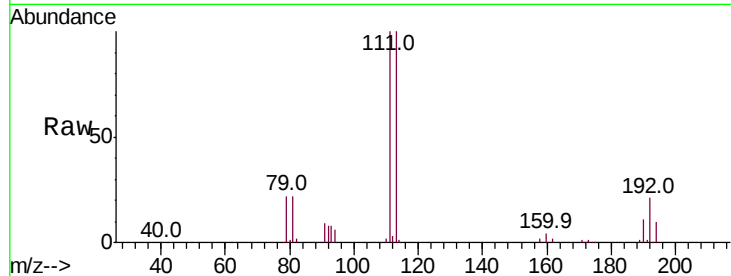




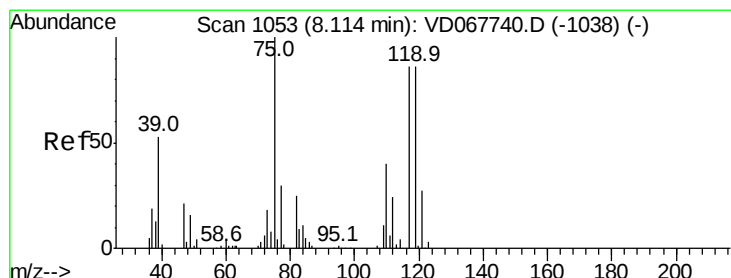
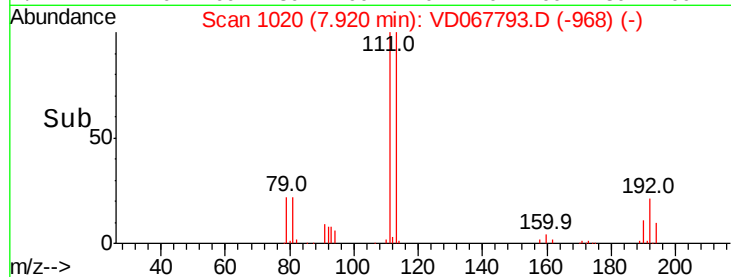
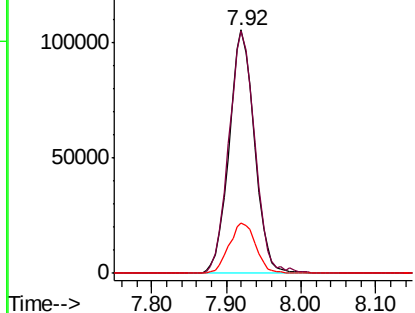
#35
 Dibromofluoromethane
 Concen: 48.840 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067793.D
 Acq: 25 Nov 2020 18:00

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Tot Ion:113 Resp: 249257
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.0
 192 21.7 17.0 25.4

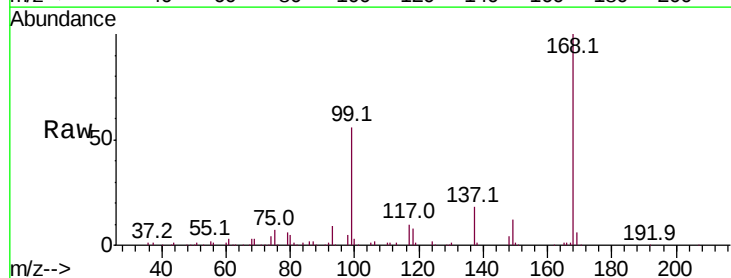


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

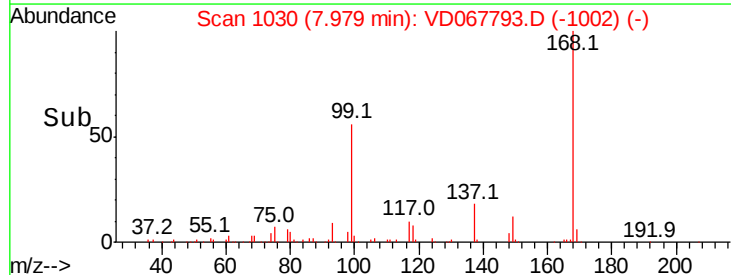
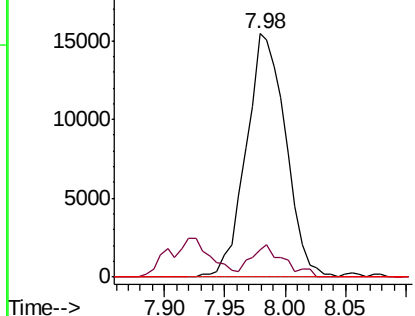


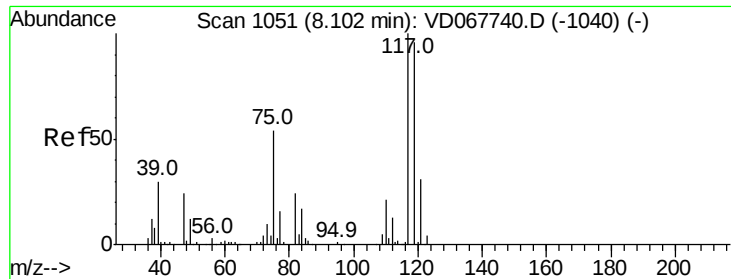
#36
 1,1-Dichloropropene
 Concen: 5.114 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067793.D
 Acq: 25 Nov 2020 18:00

Tgt Ion: 75 Resp: 35191
 Ion Ratio Lower Upper
 75 100
 110 11.1 20.1 60.2#
 77 0.0 24.8 37.2#



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





#38

Carbon Tetrachloride

Concen: 5.225 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067793.D

Acq: 25 Nov 2020 18:00

Instrument :

MSVOA_D

ClientSampled :

TP-1

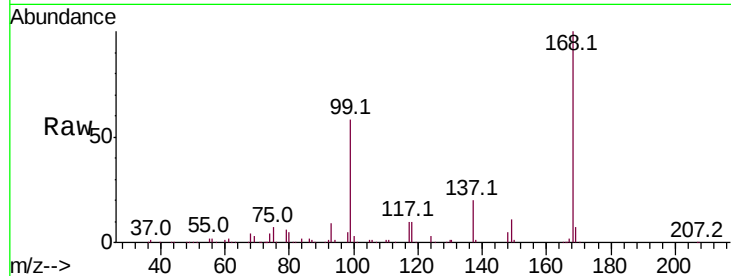
Tot Ion:117 Resp: 52116

Ion Ratio Lower Upper

117 100

119 4.6 76.6 115.0#

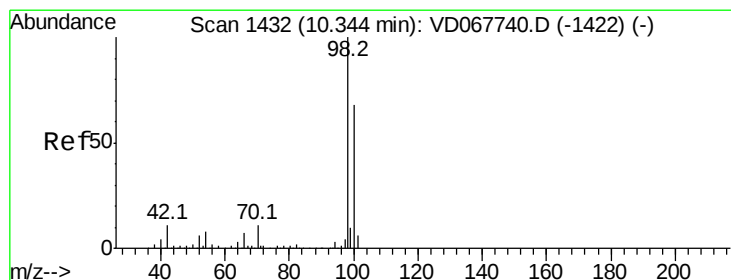
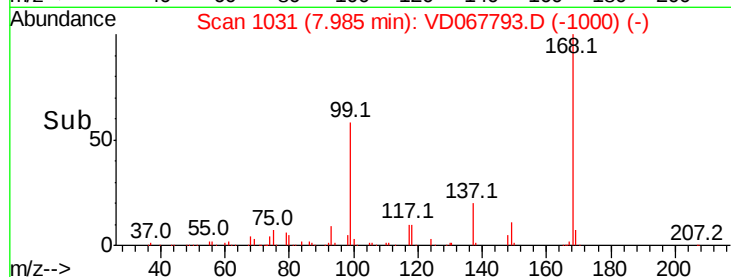
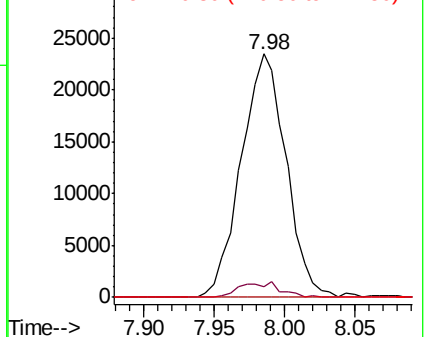
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.770 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067793.D

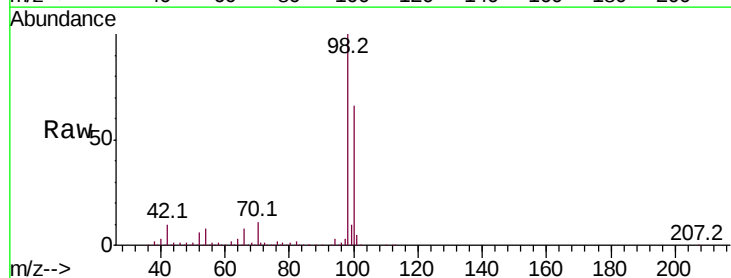
Acq: 25 Nov 2020 18:00

Tgt Ion: 98 Resp: 910003

Ion Ratio Lower Upper

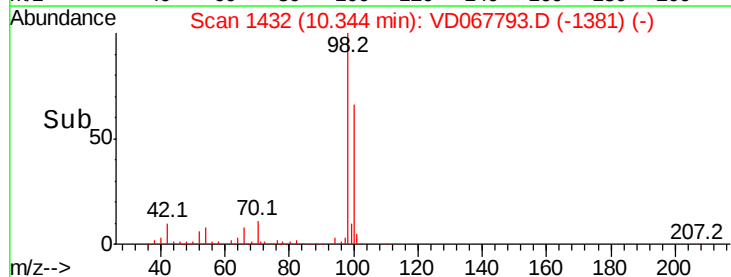
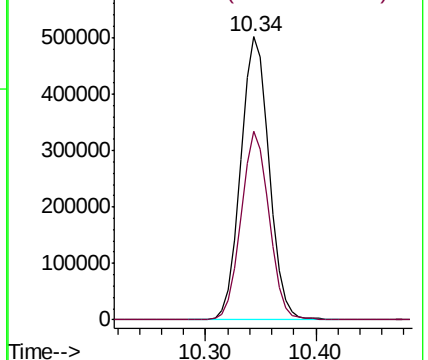
98 100

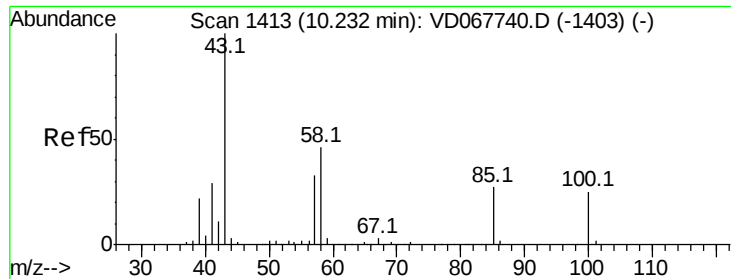
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

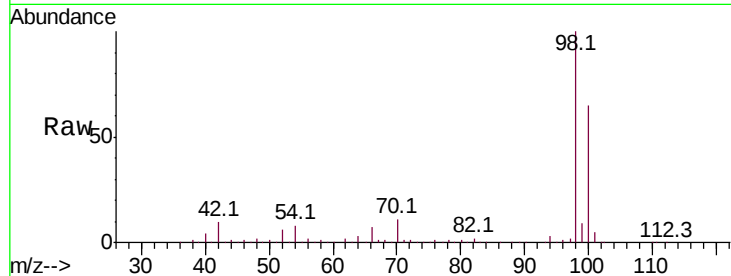




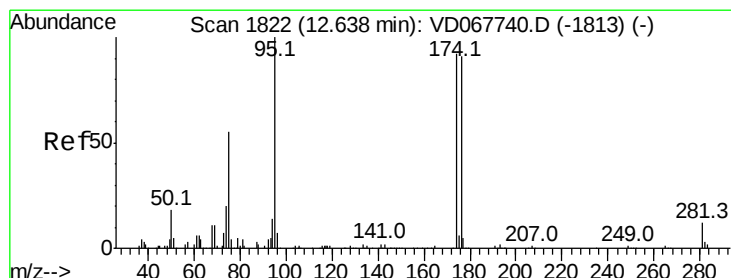
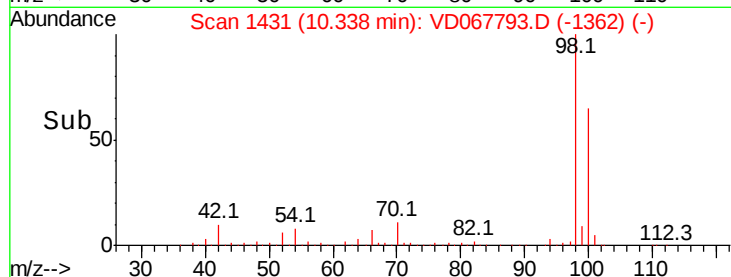
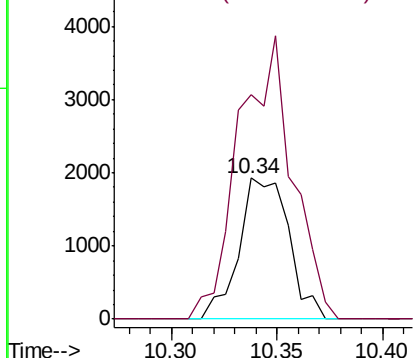
#51
4-Methyl-2-Pentanone
Concen: 1.814 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067793.D
Acq: 25 Nov 2020 18:00

Instrument :
MSVOA_D
ClientSampleID :
TP-1

Tot Ion: 43 Resp: 3154
Ion Ratio Lower Upper
43 100
58 216.8 34.7 52.1#

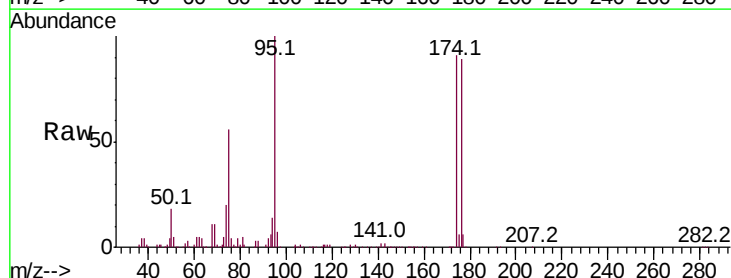


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

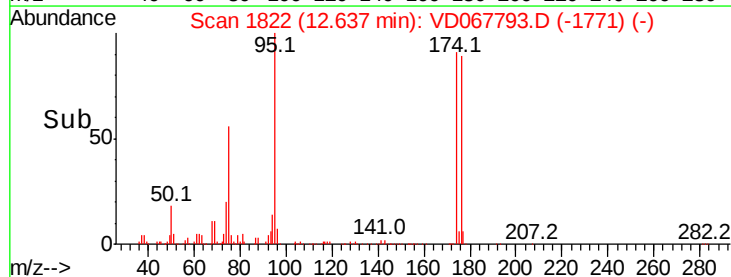
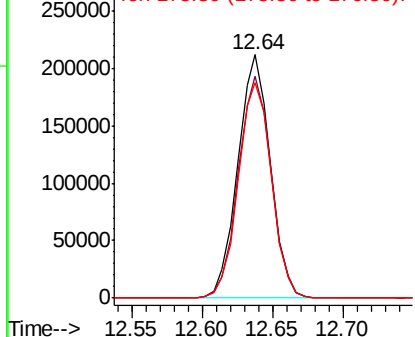


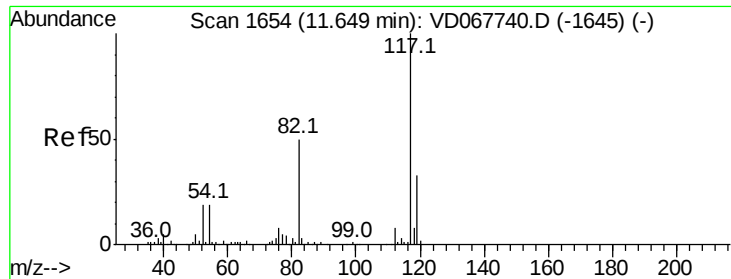
#62
4-Bromofluorobenzene
Concen: 53.355 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067793.D
Acq: 25 Nov 2020 18:00

Tgt Ion: 95 Resp: 340283
Ion Ratio Lower Upper
95 100
174 92.7 0.0 182.4
176 90.6 0.0 178.2



Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC

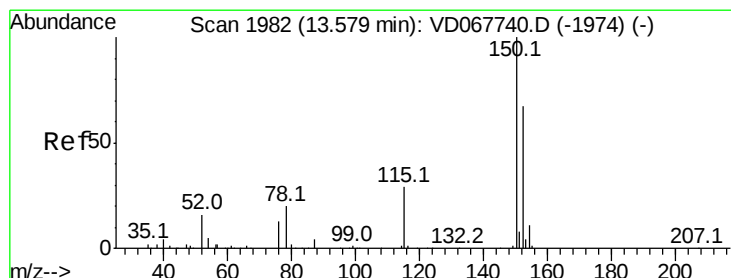
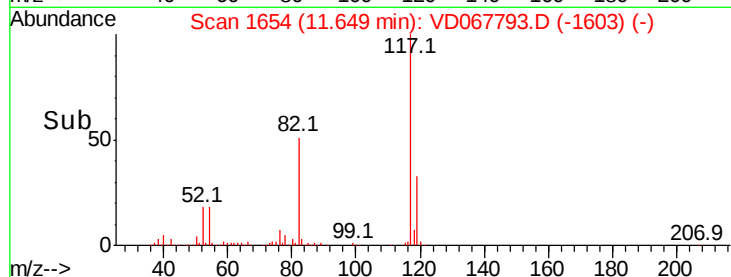
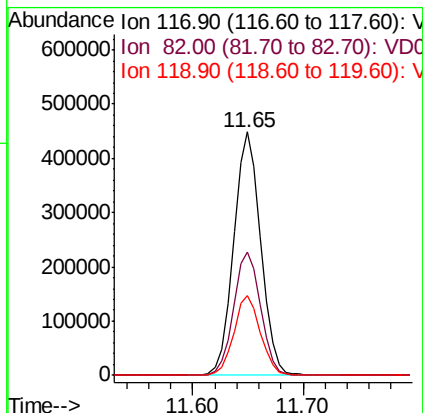
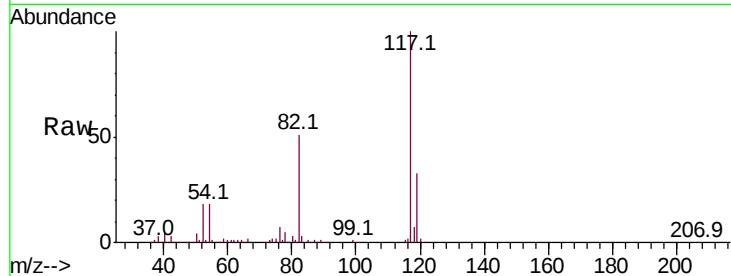




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067793.D
Acq: 25 Nov 2020 18:00

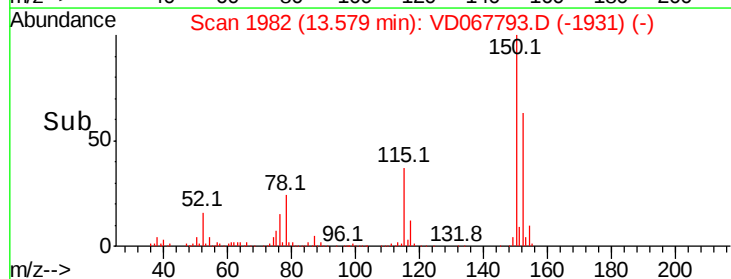
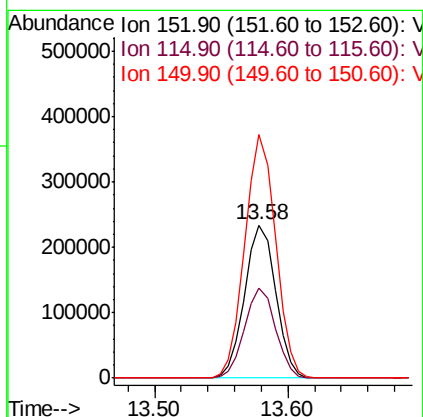
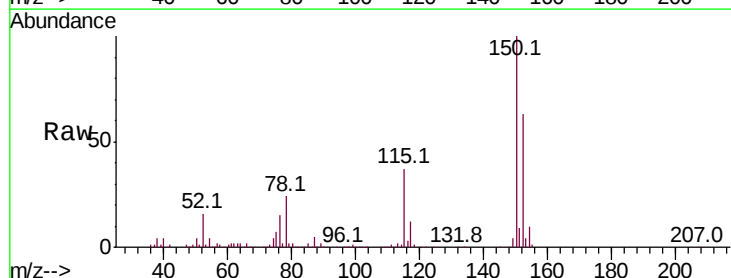
Instrument :
MSVOA_D
ClientSampleId :
TP-1

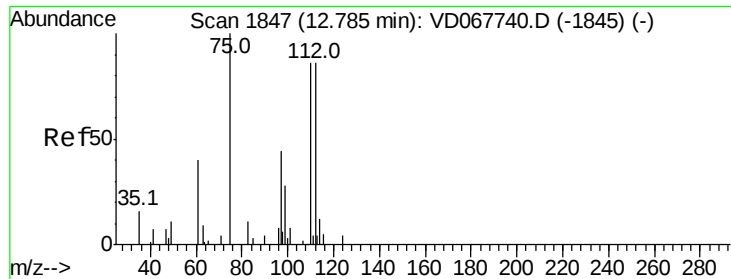
Tot Ion:117 Resp: 769299
Ion Ratio Lower Upper
117 100
82 50.8 40.2 60.4
119 32.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067793.D
Acq: 25 Nov 2020 18:00

Tgt Ion:152 Resp: 377745
Ion Ratio Lower Upper
152 100
115 58.6 29.4 88.3
150 157.1 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 72.232 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067793.D

Acq: 25 Nov 2020 18:00

Instrument :

MSVOA_D

ClientSampled :

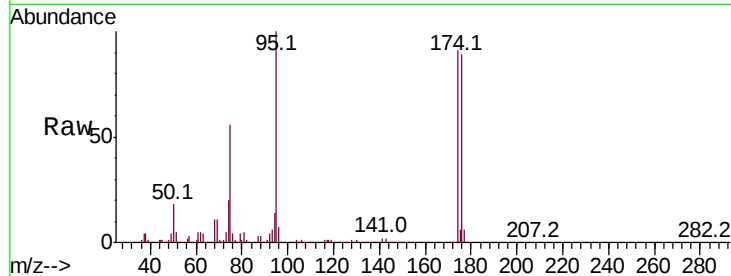
TP-1

Tot Ion: 75 Resp: 190165

Ion Ratio Lower Upper

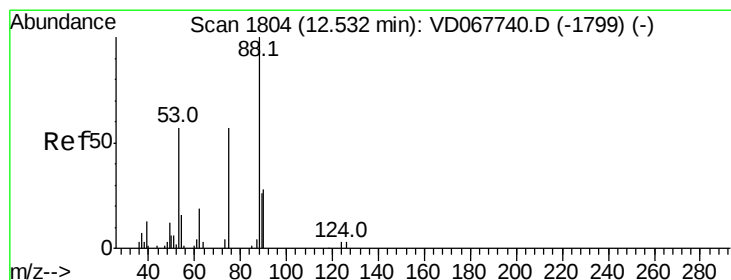
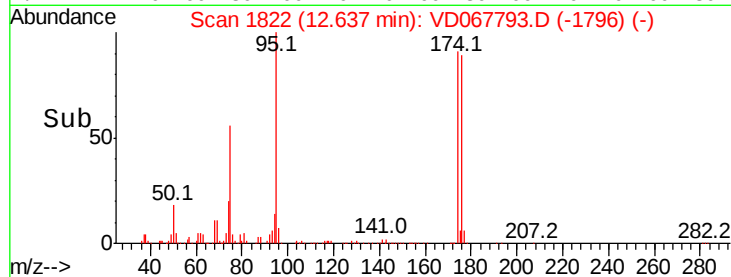
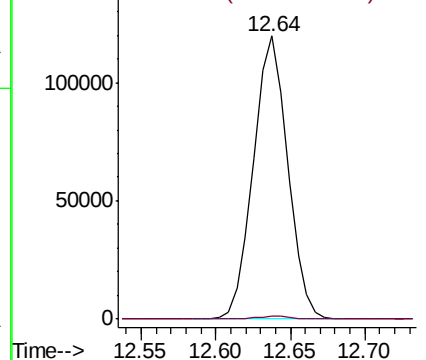
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 168.945 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067793.D

Acq: 25 Nov 2020 18:00

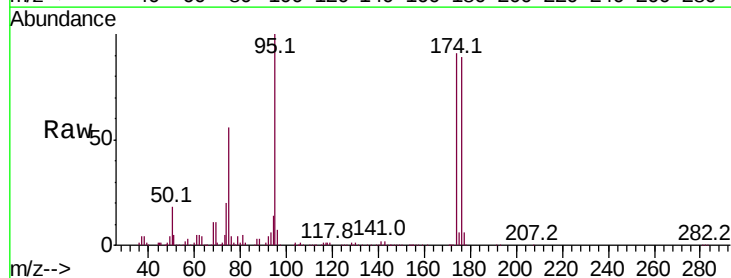
Tgt Ion: 75 Resp: 190165

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.0 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

