

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066769.D
 Acq On : 18 Sep 2020 16:36
 Operator : VA/SY
 Sample : L4017-04
 Misc : 5.80G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-4

Quant Time: Sep 19 03:15:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	365964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	669938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	646139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281255	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	223540	57.25	ug/l	0.00
Spiked Amount			Recovery	=	114.50%	
35) Dibromofluoromethane	7.91	113	212850	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.34	98	816452	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	
62) 4-Bromofluorobenzene	12.64	95	279088	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	

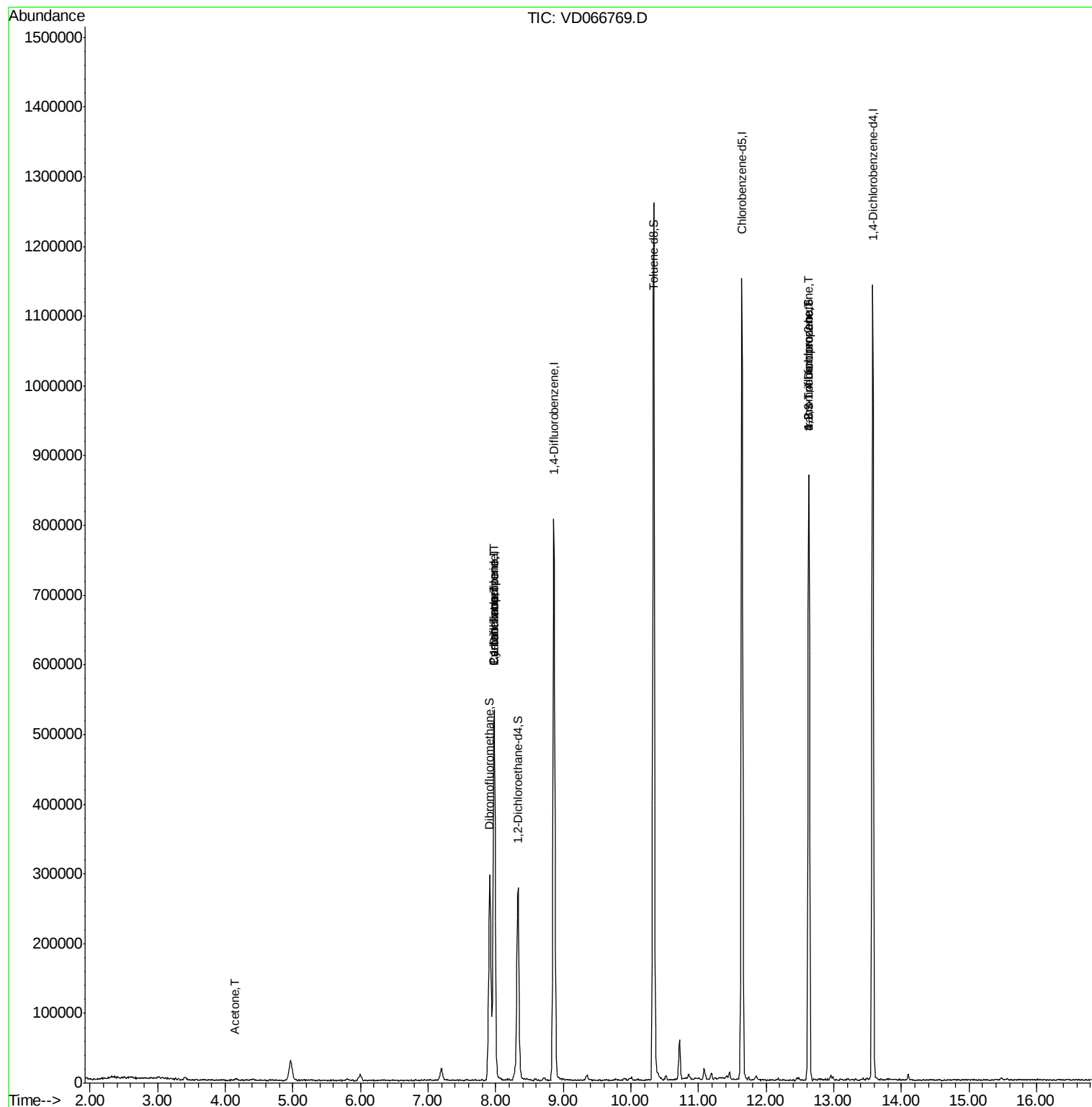
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	77	Below Cal	#	43
11) Tert butyl alcohol	5.23	59	57	Below Cal	#	76
16) Acetone	4.16	43	3633	4.569	ug/l #	72
18) Methyl Acetate	4.79	43	121	Below Cal	#	52
20) Methylene Chloride	4.96	84	21739	Below Cal	#	80
31) Cyclohexane	7.98	56	10185	1.477	ug/l #	6
36) 1,1-Dichloropropene	7.97	75	31901	4.631	ug/l #	50
38) Carbon Tetrachloride	7.98	117	39955	5.462	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	147356	61.209	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	147356	132.099	ug/l #	9

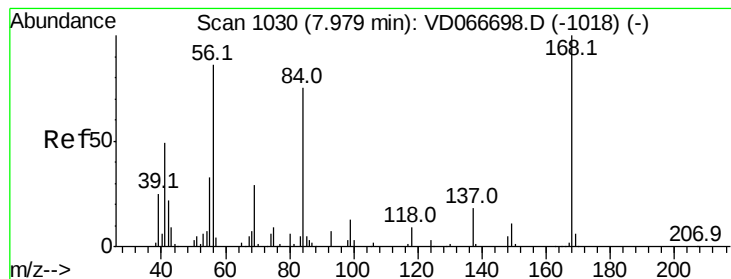
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091820\
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Quant Time: Sep 19 03:15:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066769.D

Acq: 18 Sep 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

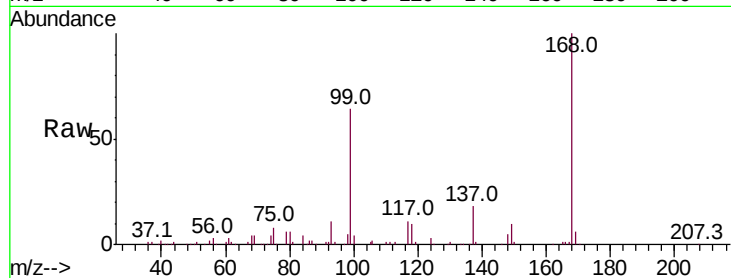
SS-4

Tot Ion:168 Resp: 365964

Ion Ratio Lower Upper

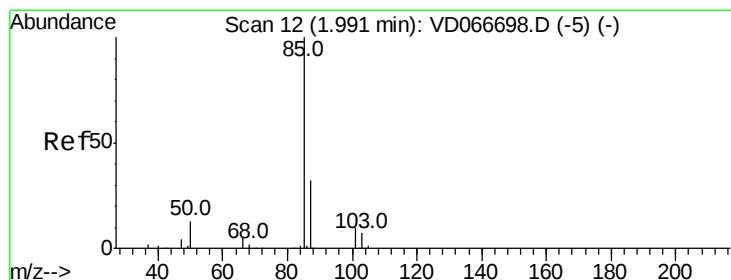
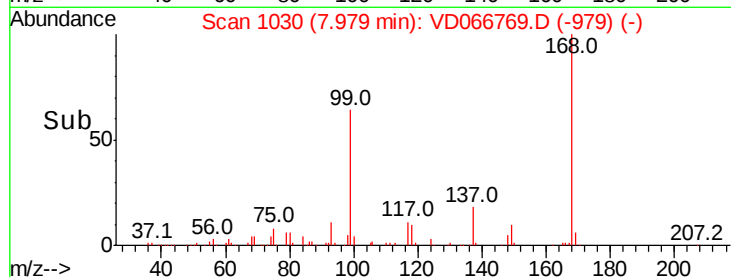
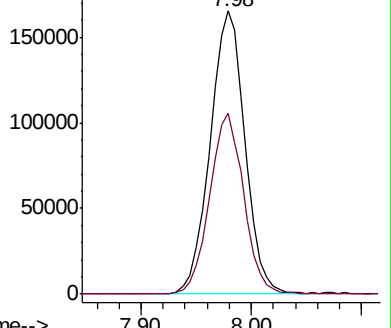
168 100

99 63.8 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066769.D

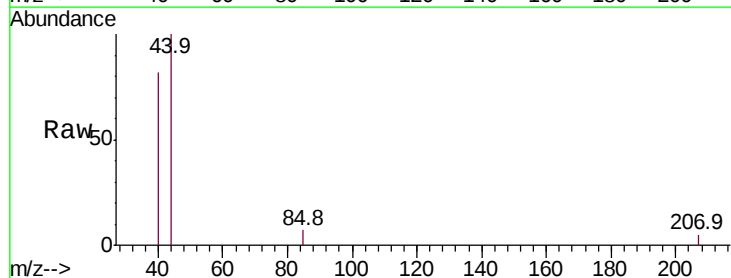
Acq: 18 Sep 2020 16:36

Tgt Ion: 85 Resp: 77

Ion Ratio Lower Upper

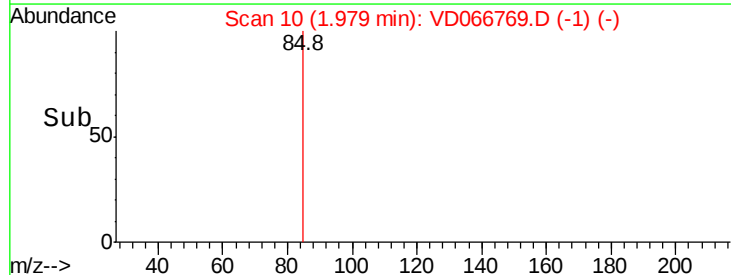
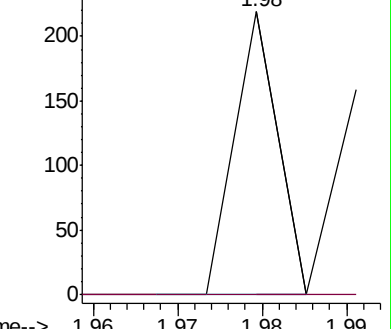
85 100

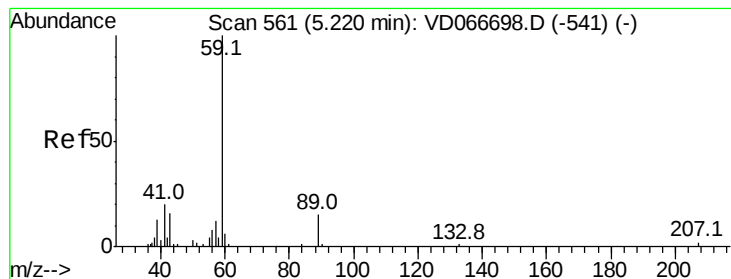
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



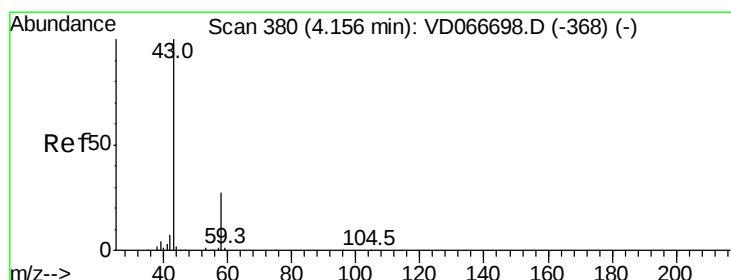
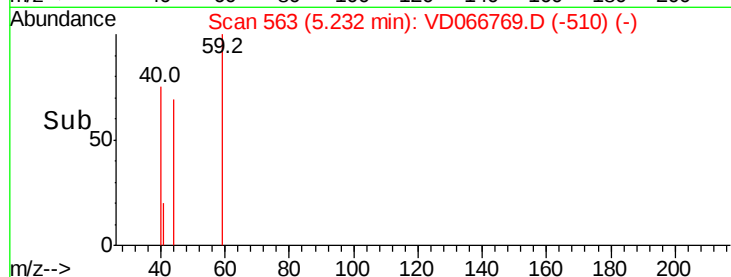
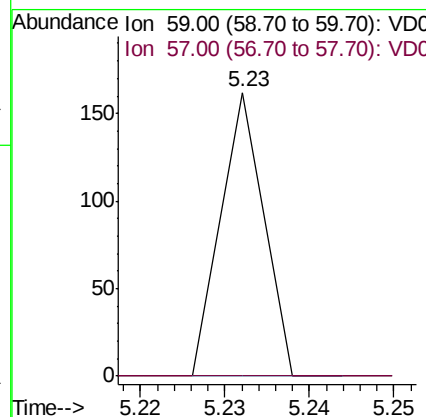
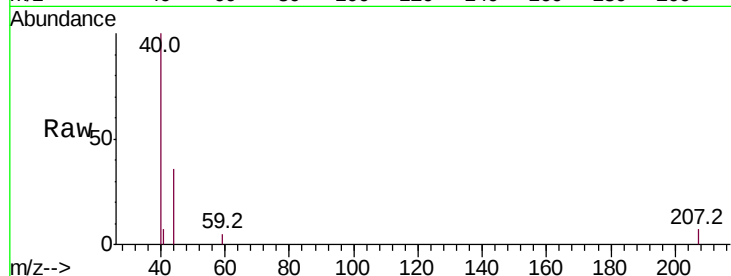


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD066769.D
 Acq: 18 Sep 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-4

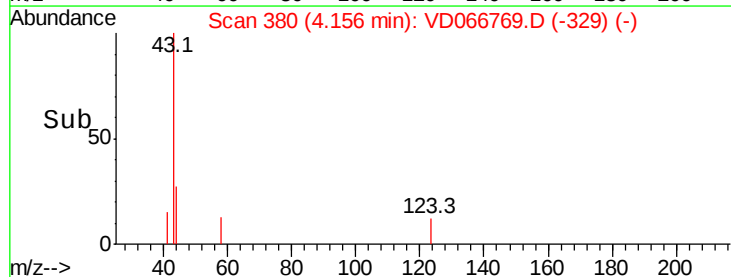
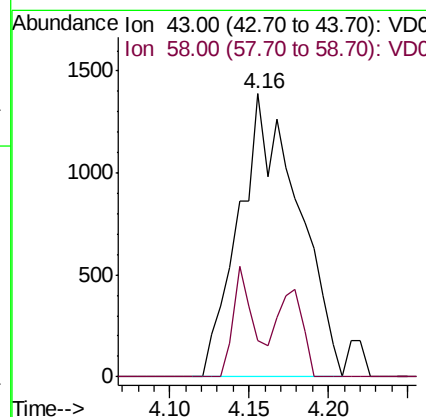
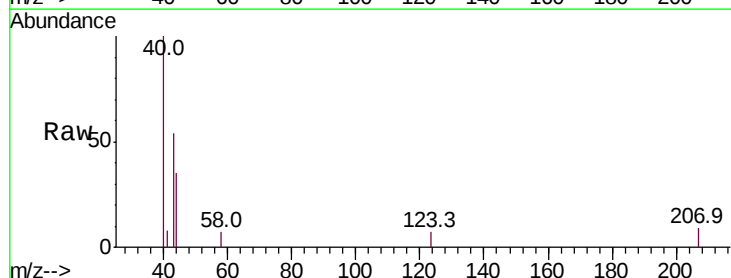
Tot Ion: 59 Resp: 57
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

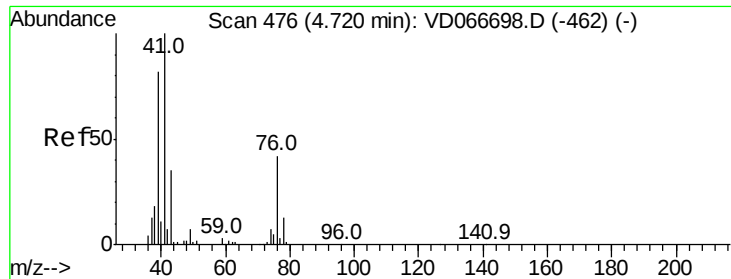


#16

Acetone
 Concen: 4.569 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066769.D
 Acq: 18 Sep 2020 16:36

Tgt Ion: 43 Resp: 3633
 Ion Ratio Lower Upper
 43 100
 58 13.0 21.9 32.9#

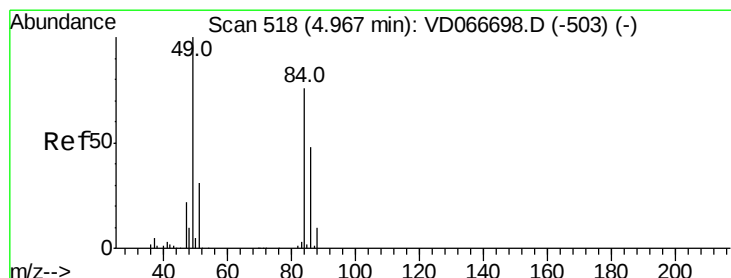
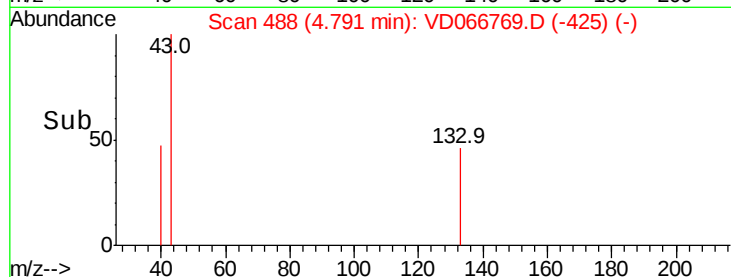
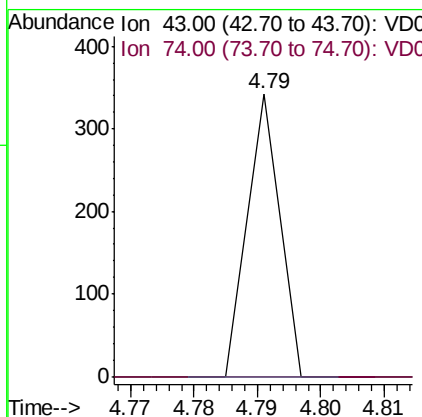
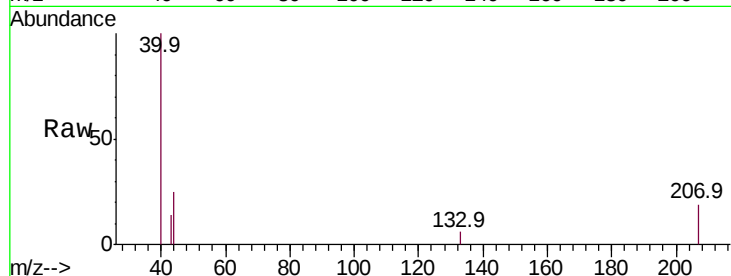




#18
Methyl Acetate
Concen: Below Cal
RT: 4.79 min Scan# 488
Delta R.T. 0.07 min
Lab File: VD066769.D
Acq: 18 Sep 2020 16:36

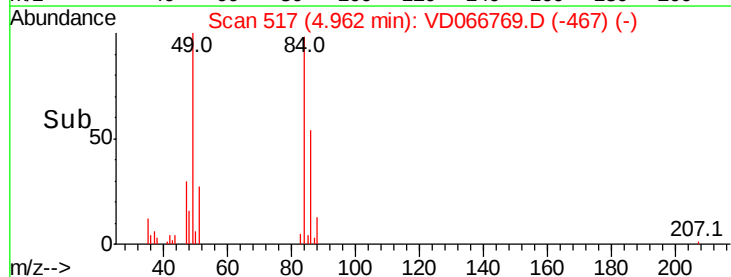
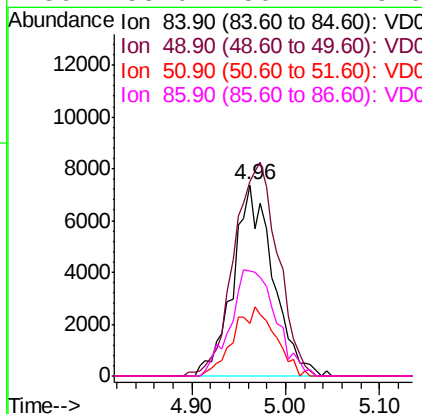
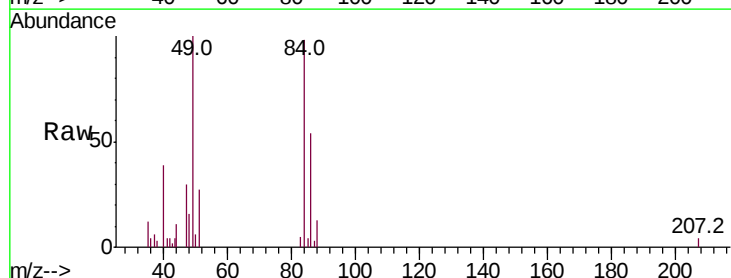
Instrument :
MSVOA_D
ClientSampleId :
SS-4

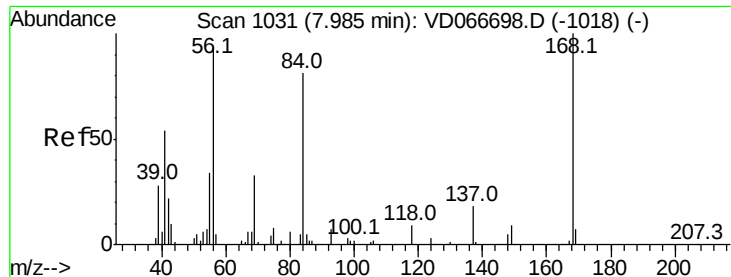
Tot Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066769.D
Acq: 18 Sep 2020 16:36

Tgt Ion: 84 Resp: 21739
Ion Ratio Lower Upper
84 100
49 101.8 105.0 157.6#
51 27.6 32.2 48.4#
86 55.0 50.4 75.6

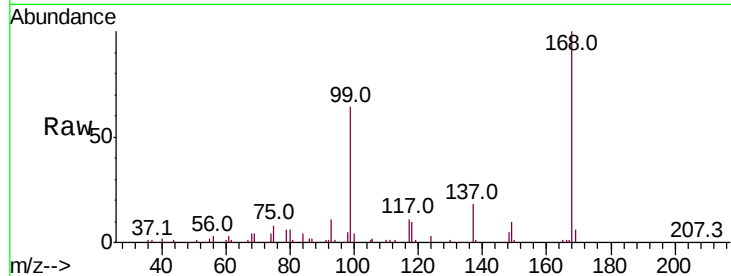




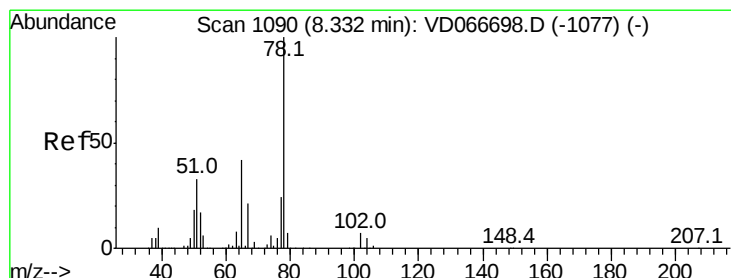
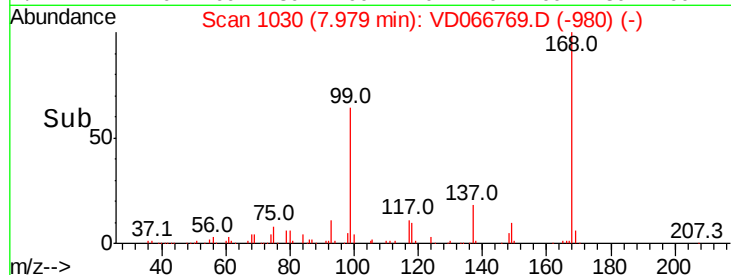
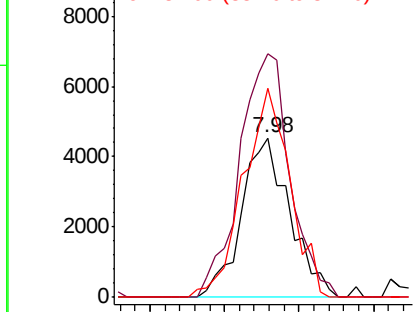
#31
Cyclohexane
Concen: 1.477 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066769.D
Acq: 18 Sep 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
SS-4

Tot Ion: 56 Resp: 10185
Ion Ratio Lower Upper
56 100
69 152.5 27.7 41.5#
84 130.9 68.5 102.7#

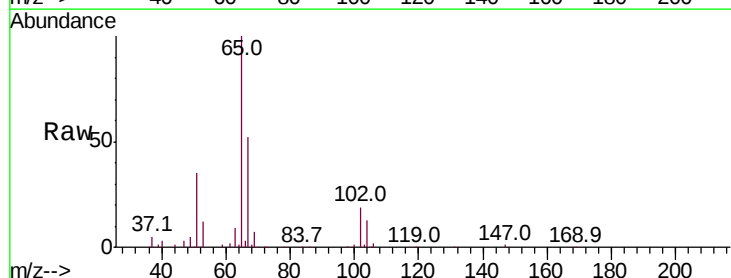


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

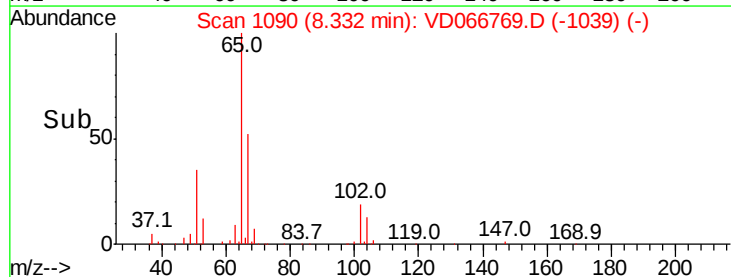
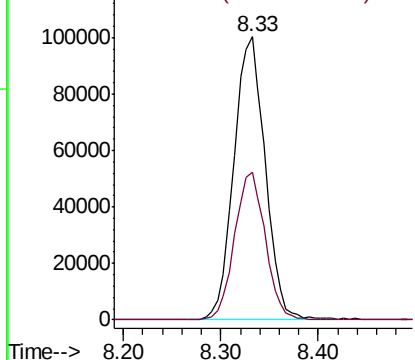


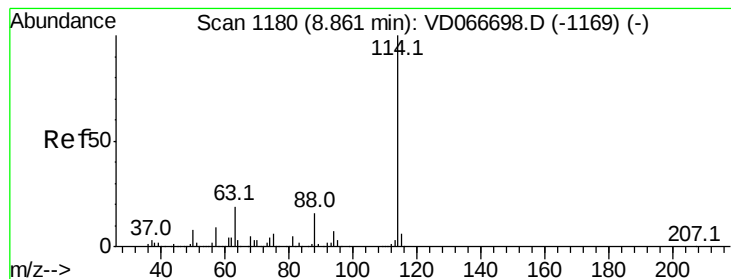
#33
1,2-Dichloroethane-d4
Concen: 57.250 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066769.D
Acq: 18 Sep 2020 16:36

Tgt Ion: 65 Resp: 223540
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.2



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066769.D

Acq: 18 Sep 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

SS-4

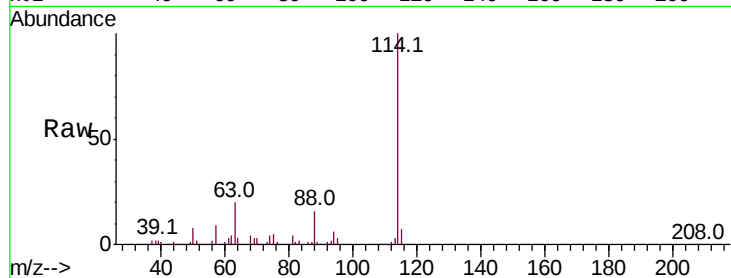
Tot Ion:114 Resp: 669938

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.6

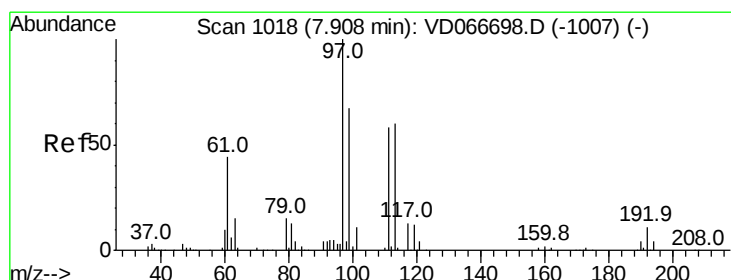
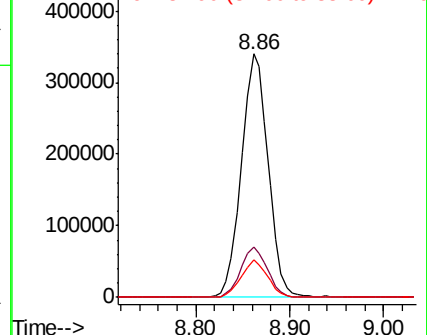
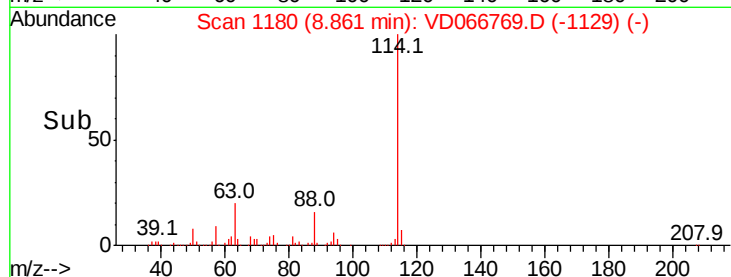
88 15.6 0.0 32.2



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: 51.822 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066769.D

Acq: 18 Sep 2020 16:36

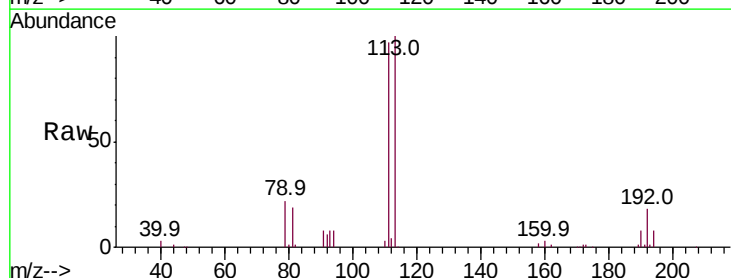
Tgt Ion:113 Resp: 212850

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

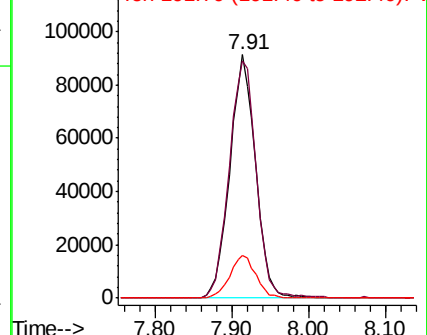
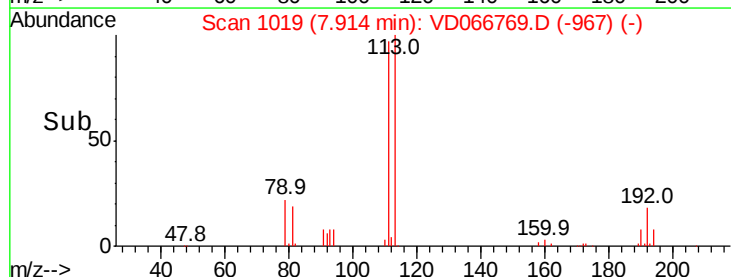
192 17.7 14.8 22.2

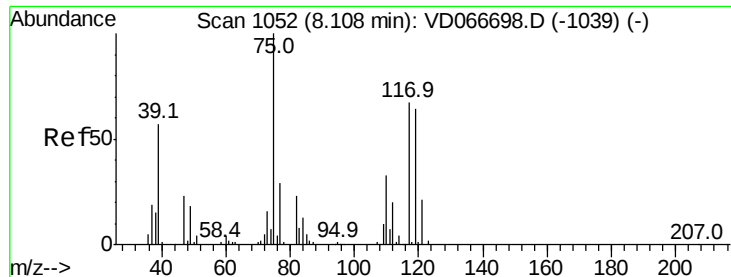


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

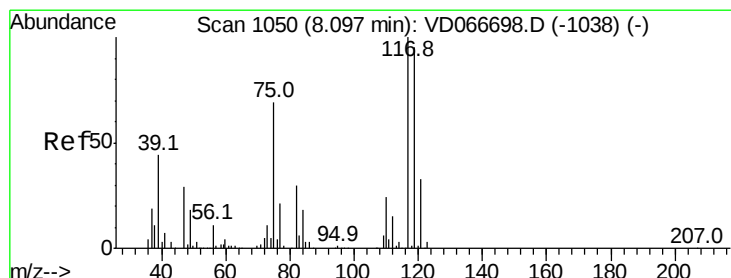
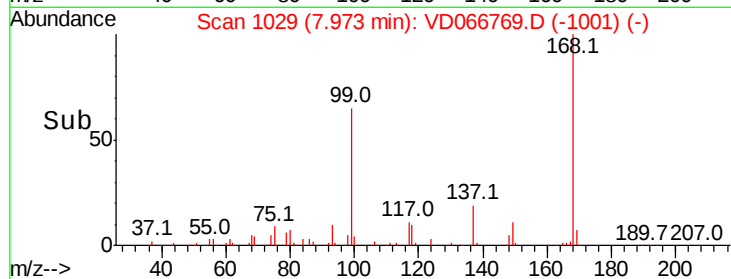
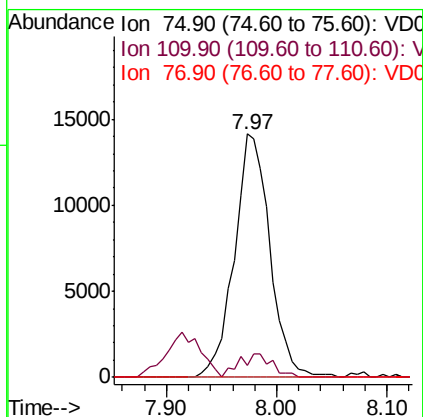
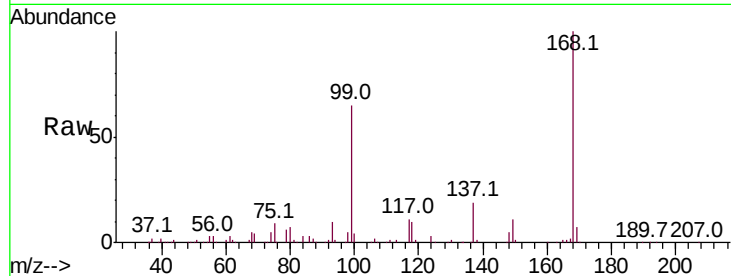




#36
 1,1-Dichloropropene
 Concen: 4.631 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066769.D
 Acq: 18 Sep 2020 16:36

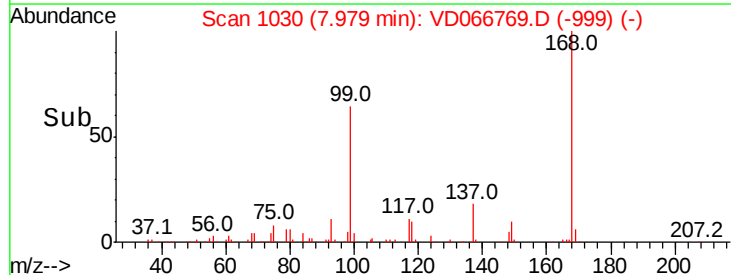
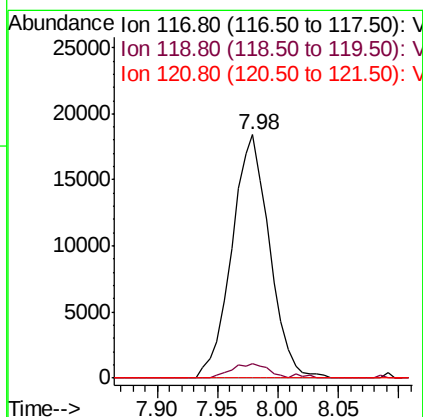
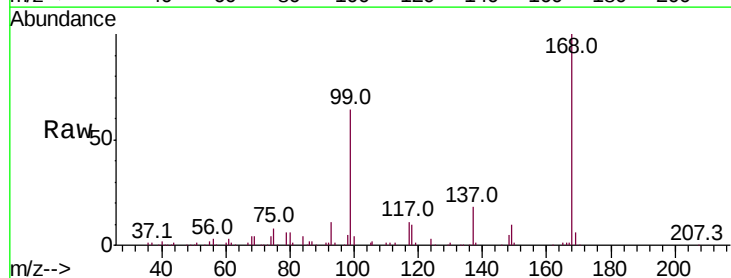
Instrument :
 MSVOA_D
 ClientSampled :
 SS-4

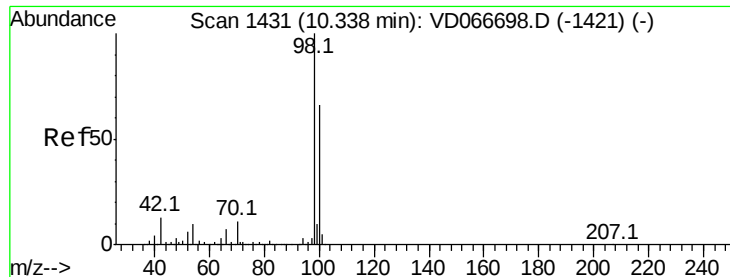
Tot Ion: 75 Resp: 31901
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.1 51.2#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.462 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066769.D
 Acq: 18 Sep 2020 16:36

Tgt Ion: 117 Resp: 39955
 Ion Ratio Lower Upper
 117 100
 119 6.2 75.8 113.6#
 121 0.0 26.2 39.4#





#50

Toluene-d8

Concen: 55.793 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066769.D

Acq: 18 Sep 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

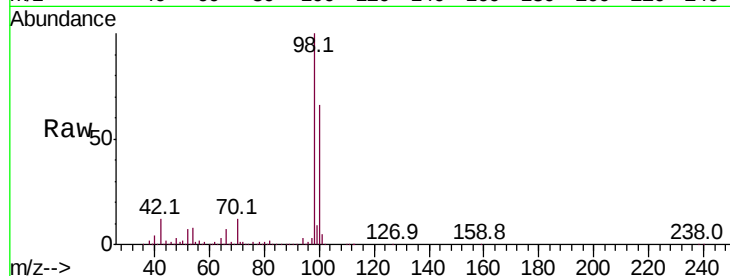
SS-4

Tot Ion: 98 Resp: 816452

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

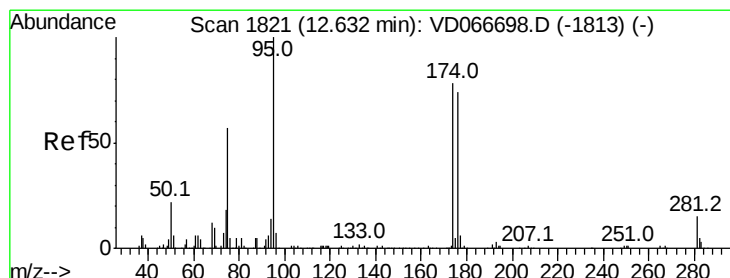
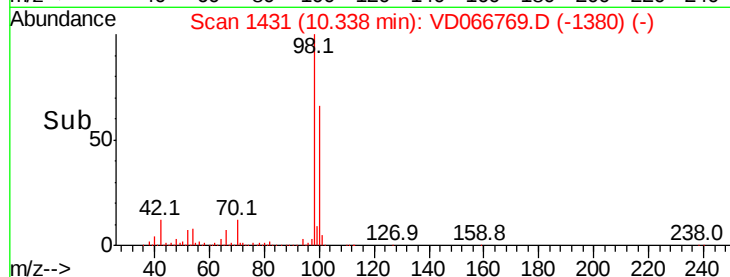
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.251 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD066769.D

Acq: 18 Sep 2020 16:36

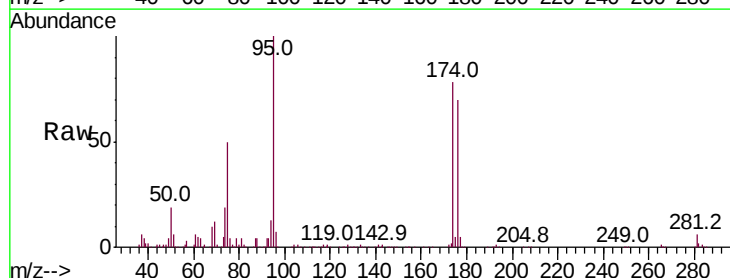
Tgt Ion: 95 Resp: 279088

Ion Ratio Lower Upper

95 100

174 76.1 0.0 156.6

176 72.5 0.0 150.2



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

12.64

200000

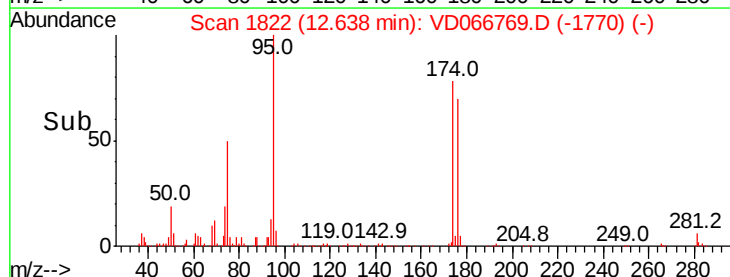
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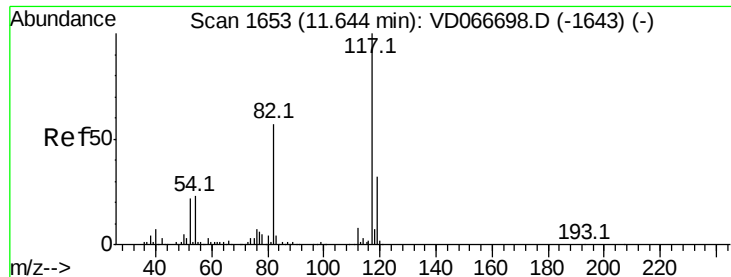
100000

50000

0

Time-->

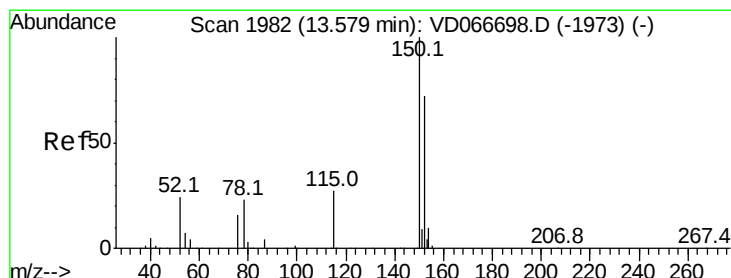
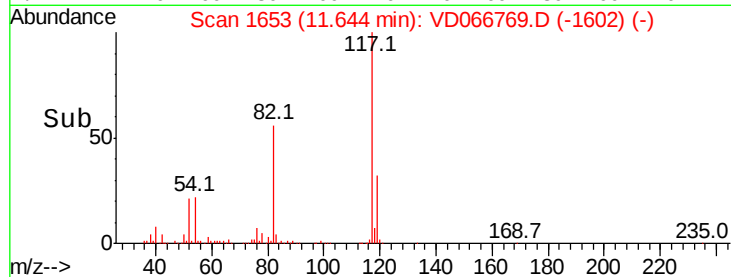
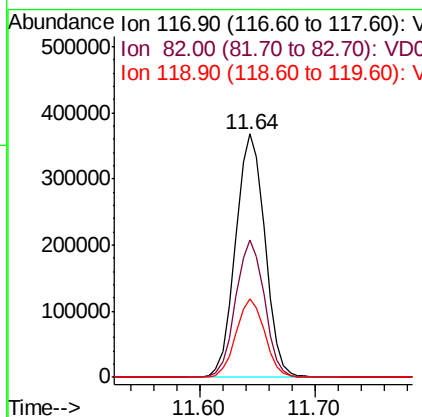
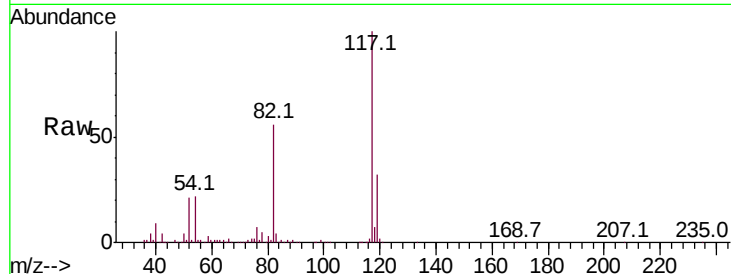




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066769.D
Acq: 18 Sep 2020 16:36

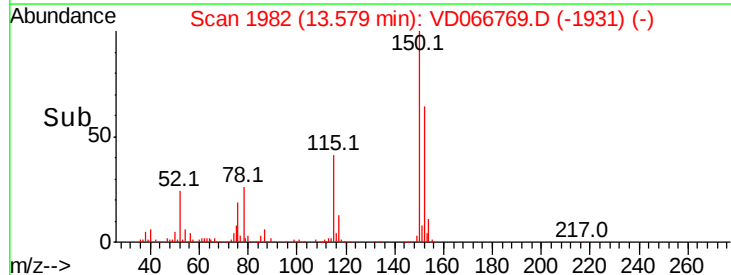
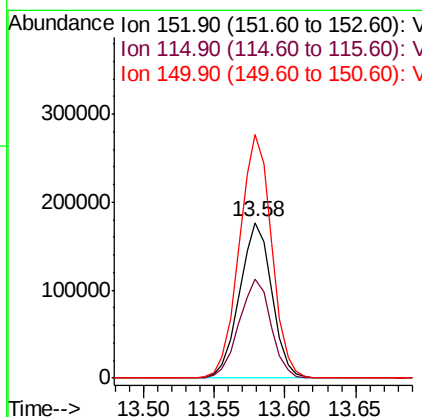
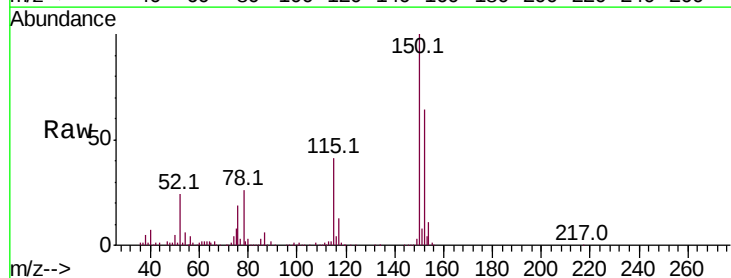
Instrument :
MSVOA_D
ClientSampleId :
SS-4

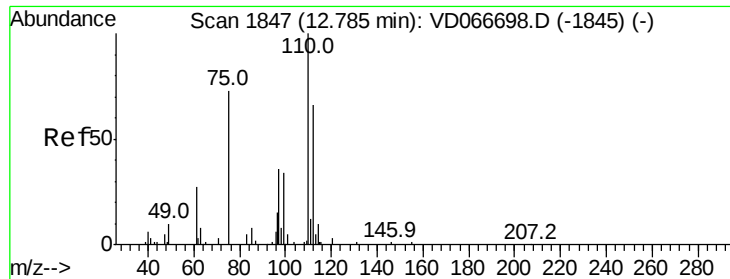
Tot Ion:117 Resp: 646139
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.0
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066769.D
Acq: 18 Sep 2020 16:36

Tgt Ion:152 Resp: 281255
Ion Ratio Lower Upper
152 100
115 63.2 30.5 91.5
150 157.4 0.0 344.6

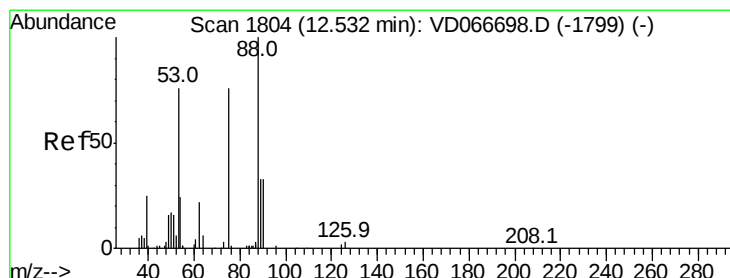
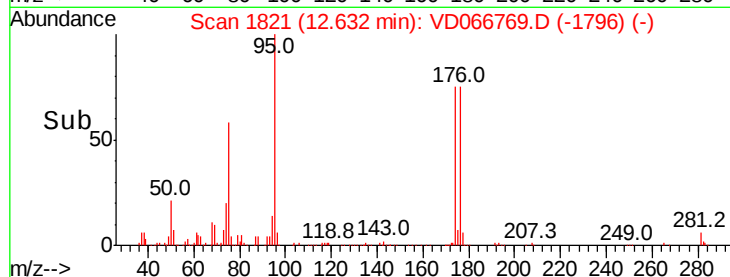
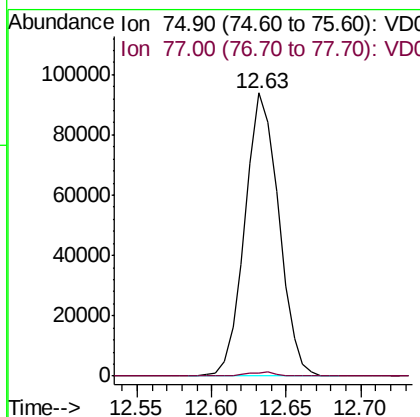
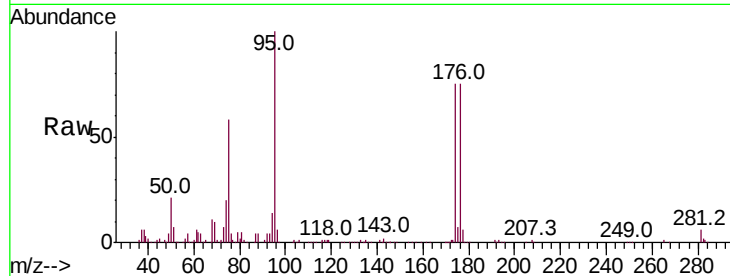




#76
 1,2,3-Trichloropropane
 Concen: 61.209 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066769.D
 Acq: 18 Sep 2020 16:36

Instrument :
 MSVOA_D
 ClientSampled :
 SS-4

Tot Ion: 75 Resp: 147356
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.099 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066769.D
 Acq: 18 Sep 2020 16:36

Tgt Ion: 75 Resp: 147356
 Ion Ratio Lower Upper
 75 100
 53 0.4 82.2 123.4#
 89 0.1 39.6 59.4#

