

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066767.D
 Acq On : 18 Sep 2020 15:41
 Operator : VA/SY
 Sample : L4017-02
 Misc : 4.68G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-2

Quant Time: Sep 19 03:15:27 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	340082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	608773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	607040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271926	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	215055	59.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.54%	
35) Dibromofluoromethane	7.91	113	198393	53.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.30%	
50) Toluene-d8	10.34	98	765607	57.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.16%	
62) 4-Bromofluorobenzene	12.63	95	262570	57.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.40%	

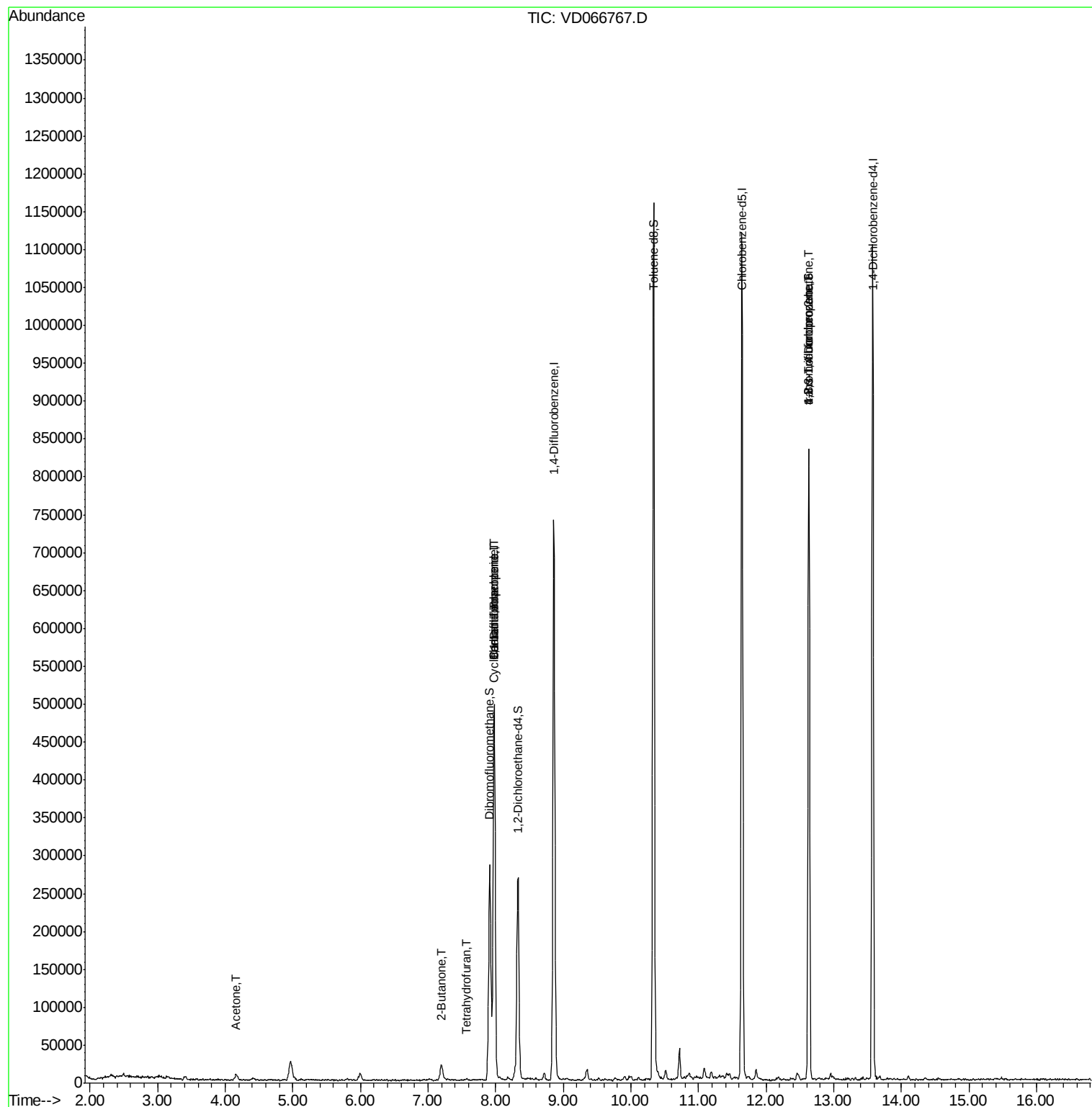
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	474	Below Cal	#	43
11) Tert butyl alcohol	5.21	59	543	Below Cal	#	76
16) Acetone	4.16	43	12691	17.176	ug/l	100
18) Methyl Acetate	4.73	43	59	Below Cal	#	52
20) Methylene Chloride	4.96	84	19563	Below Cal	#	77
25) 2-Butanone	7.20	43	2040	2.120	ug/l #	49
29) Tetrahydrofuran	7.56	42	748	1.271	ug/l #	46
31) Cyclohexane	7.97	56	11502	1.795	ug/l #	46
36) 1,1-Dichloropropene	7.97	75	30159	4.818	ug/l #	50
38) Carbon Tetrachloride	7.98	117	36629	5.511	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	142695	61.306	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	142695	132.309	ug/l #	8

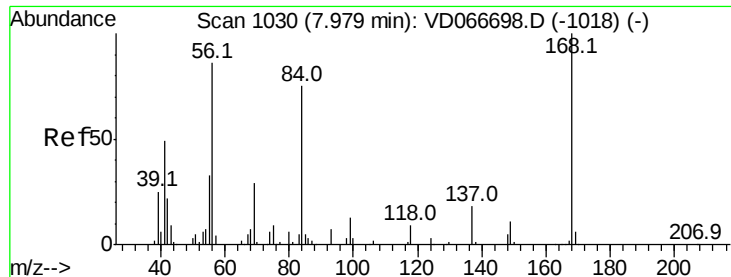
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091820\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066767.D

Acq: 18 Sep 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

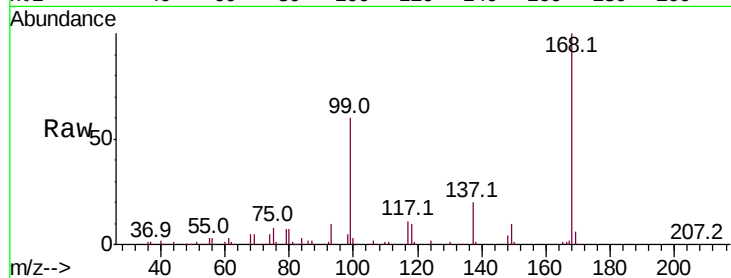
SS-2

Tot Ion:168 Resp: 340082

Ion Ratio Lower Upper

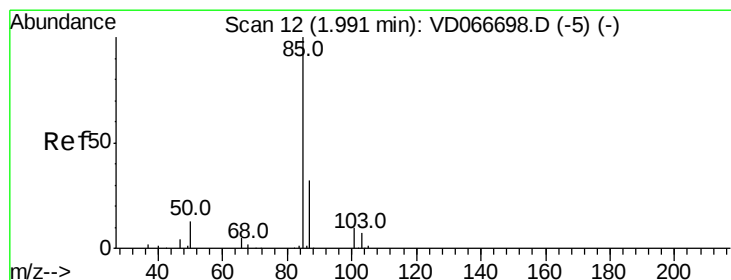
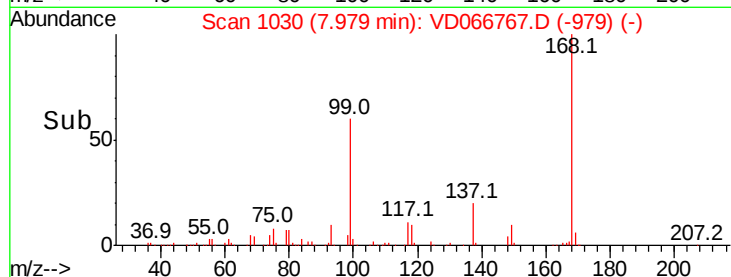
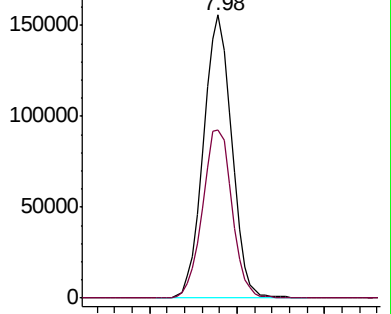
168 100

99 59.6 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: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD066767.D

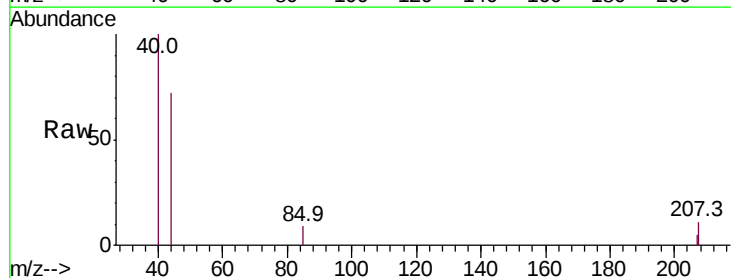
Acq: 18 Sep 2020 15:41

Tgt Ion: 85 Resp: 474

Ion Ratio Lower Upper

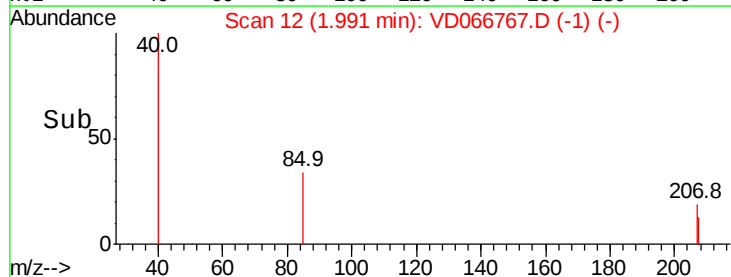
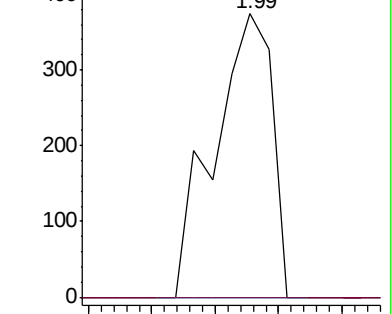
85 100

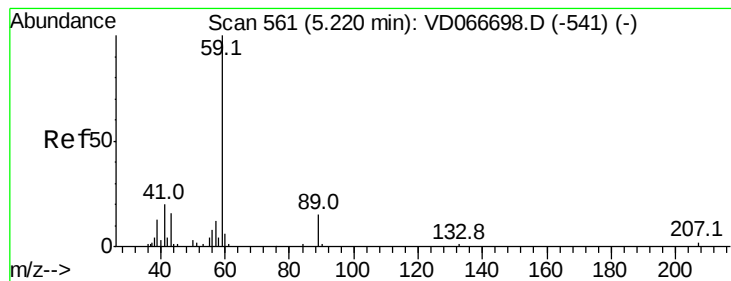
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



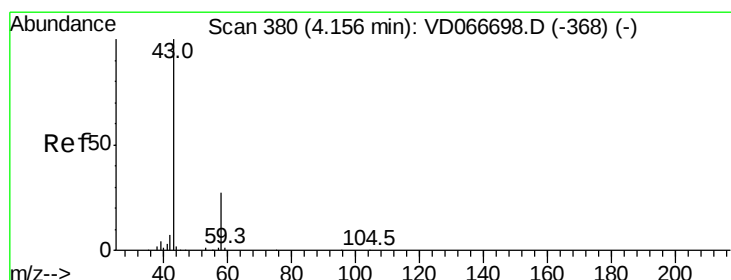
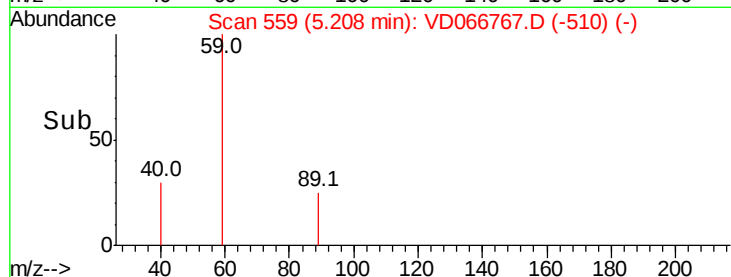
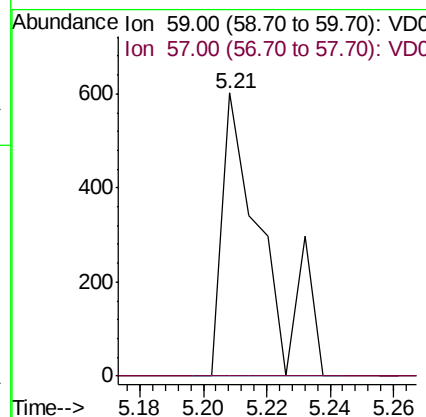
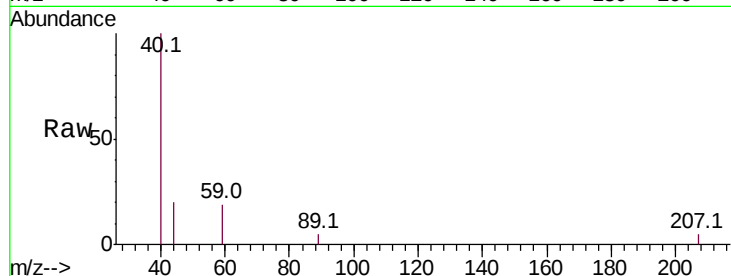


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066767.D
 Acq: 18 Sep 2020 15:41

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-2

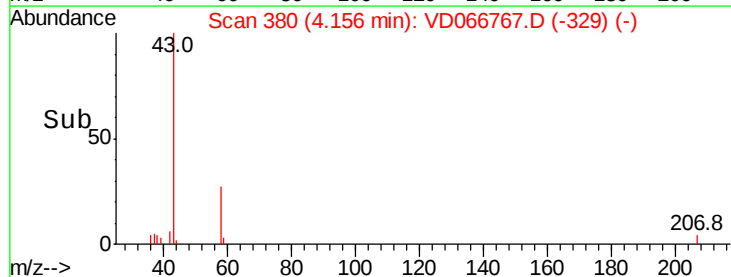
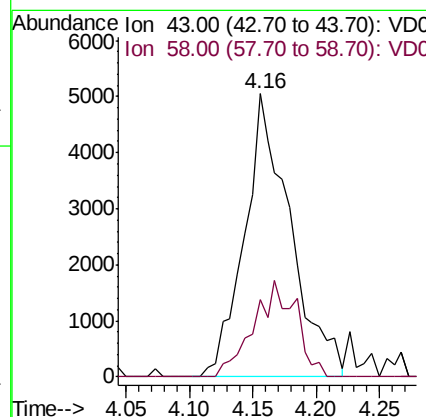
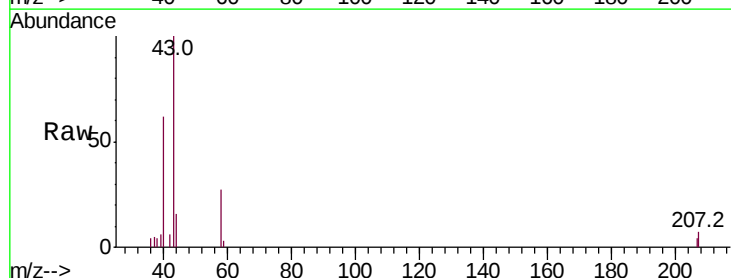
Tot Ion: 59 Resp: 543
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

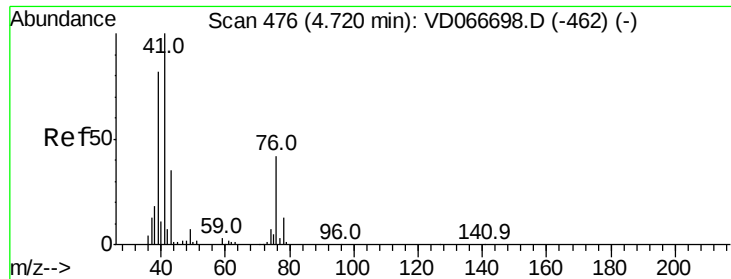


#16

Acetone
 Concen: 17.176 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066767.D
 Acq: 18 Sep 2020 15:41

Tgt Ion: 43 Resp: 12691
 Ion Ratio Lower Upper
 43 100
 58 27.5 21.9 32.9

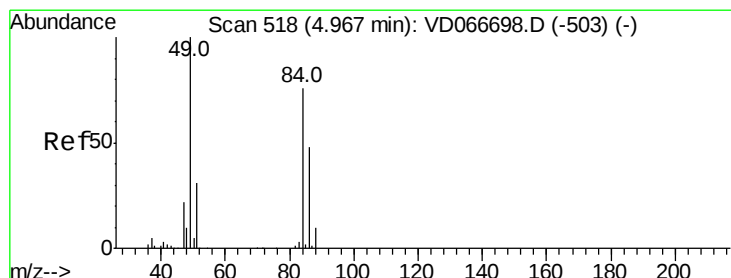
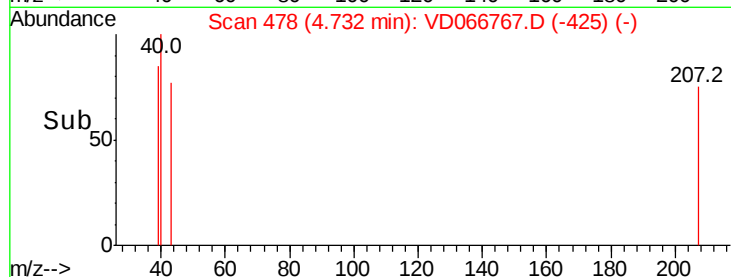
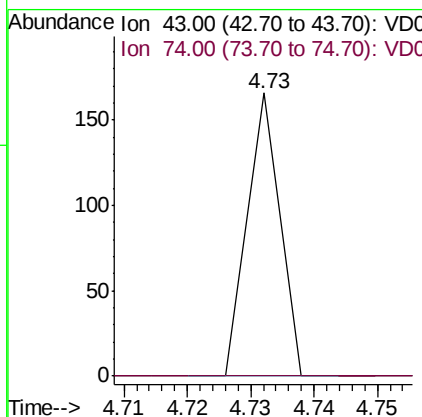
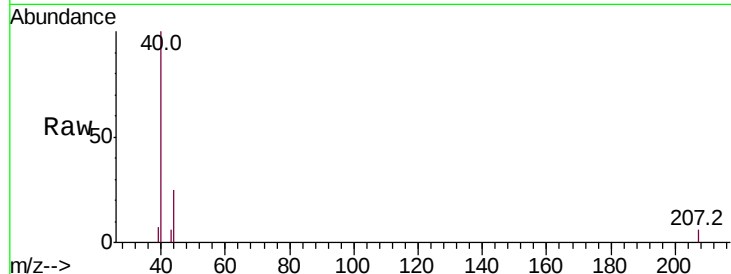




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD066767.D
Acq: 18 Sep 2020 15:41

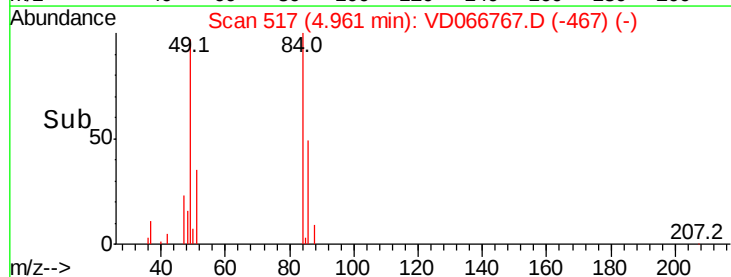
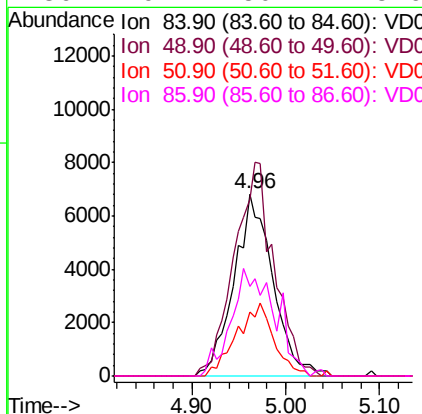
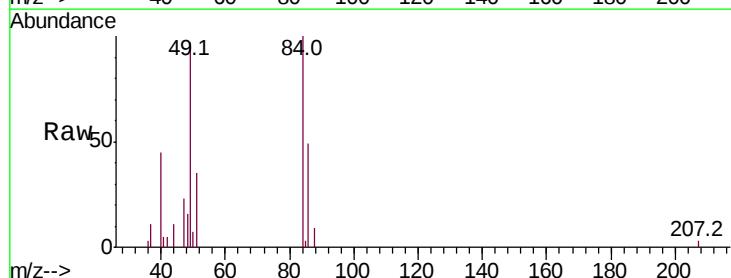
Instrument :
MSVOA_D
ClientSampleId :
SS-2

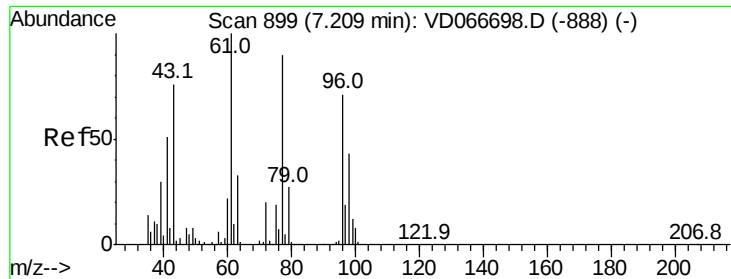
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066767.D
Acq: 18 Sep 2020 15:41

Tgt Ion: 84 Resp: 19563
Ion Ratio Lower Upper
84 100
49 97.2 105.0 157.6#
51 35.1 32.2 48.4
86 49.1 50.4 75.6#

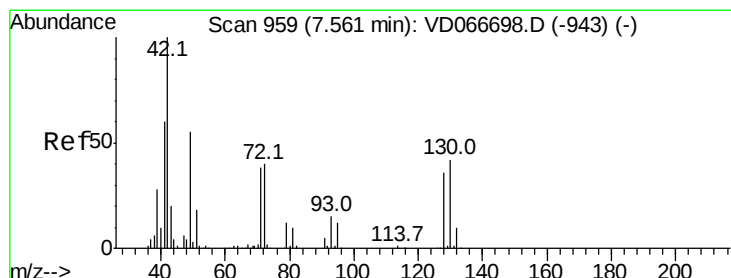
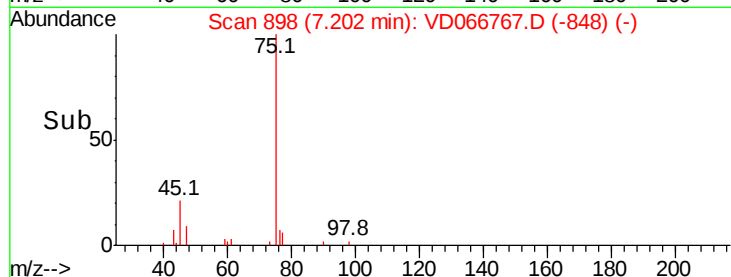
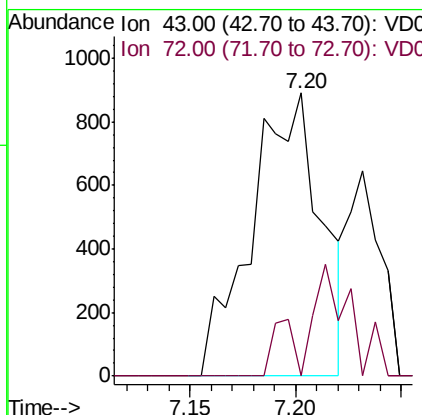
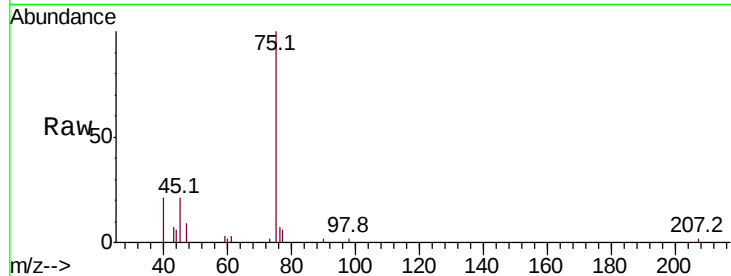




#25
2-Butanone
Concen: 2.120 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066767.D
Acq: 18 Sep 2020 15:41

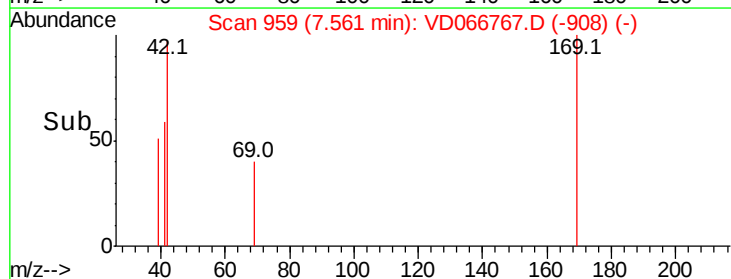
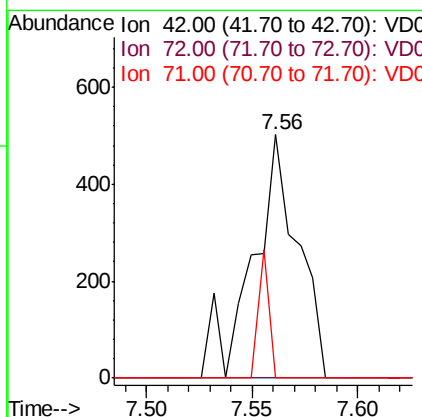
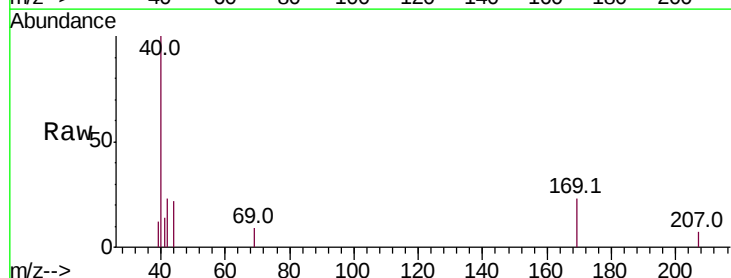
Instrument :
MSVOA_D
ClientSampleId :
SS-2

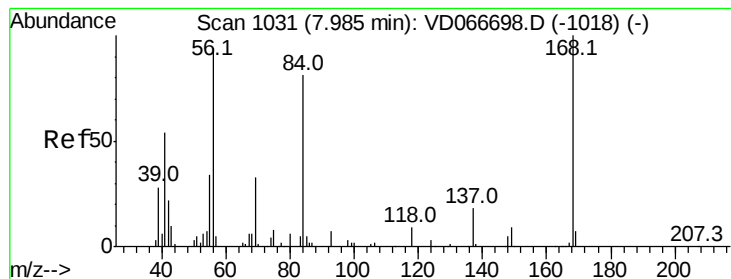
Tot Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#29
Tetrahydrofuran
Concen: 1.271 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066767.D
Acq: 18 Sep 2020 15:41

Tgt Ion: 42 Resp: 748
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 12.4 30.6 45.8#





#31

Cyclohexane

Concen: 1.795 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VD066767.D

Acq: 18 Sep 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

SS-2

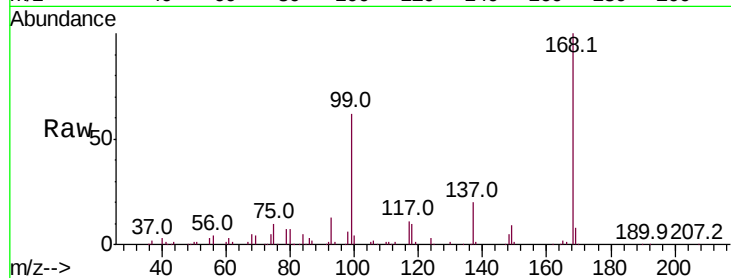
Tot Ion: 56 Resp: 11502

Ion Ratio Lower Upper

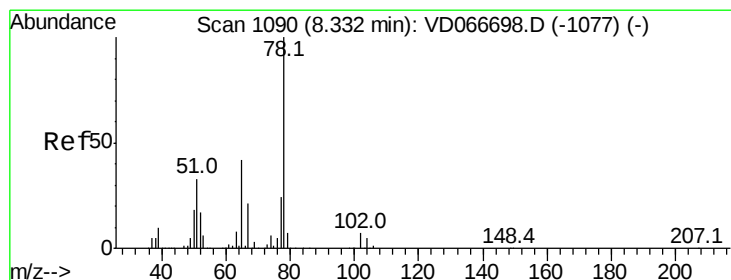
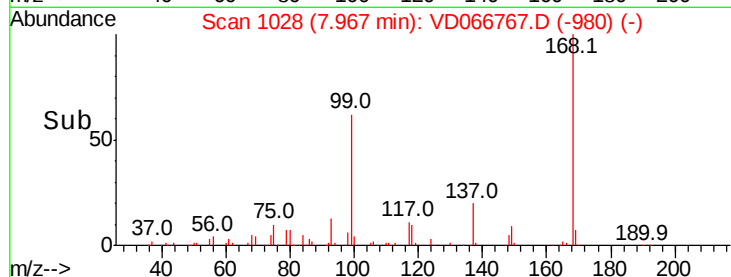
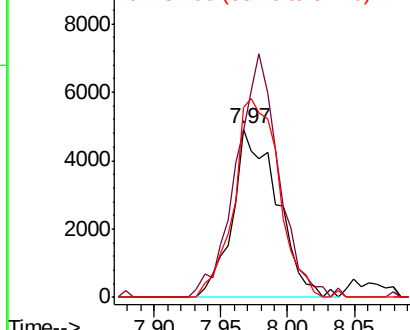
56 100

69 99.4 27.7 41.5#

84 113.0 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: 59.269 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066767.D

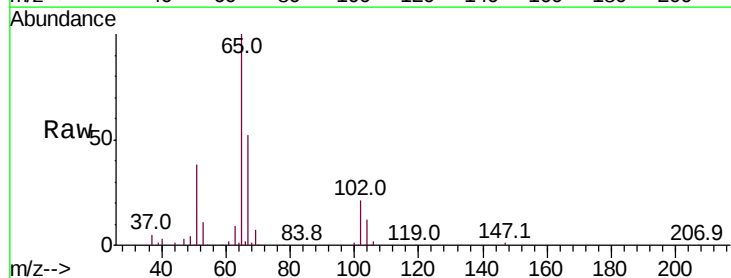
Acq: 18 Sep 2020 15:41

Tgt Ion: 65 Resp: 215055

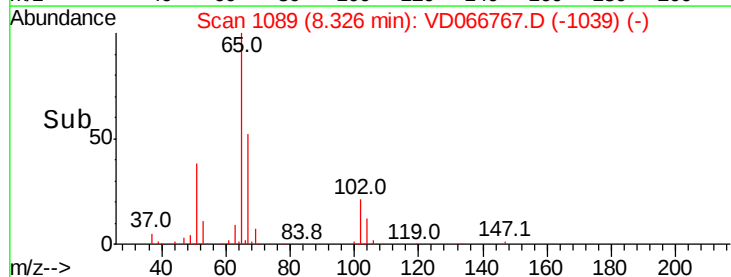
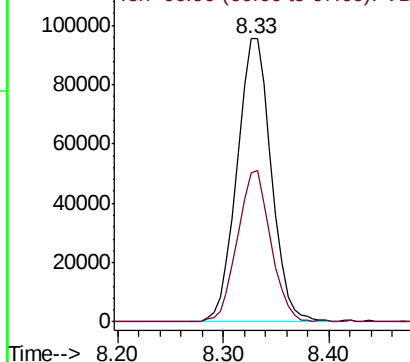
Ion Ratio Lower Upper

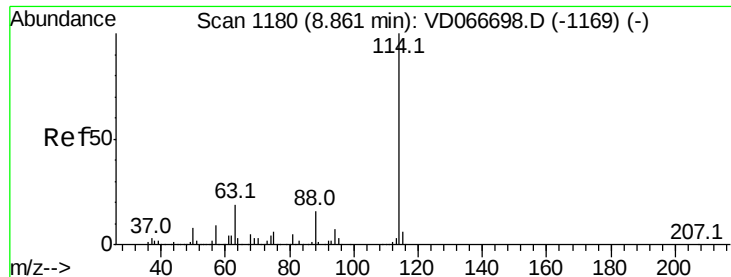
65 100

67 52.2 0.0 102.2



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

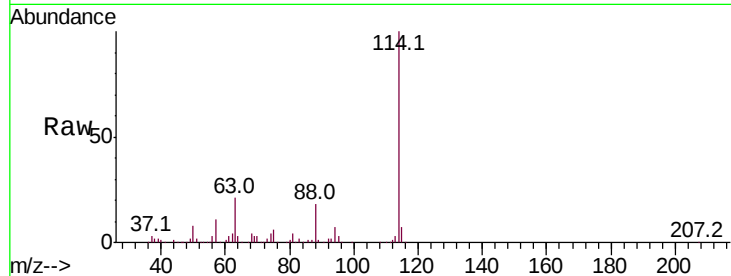




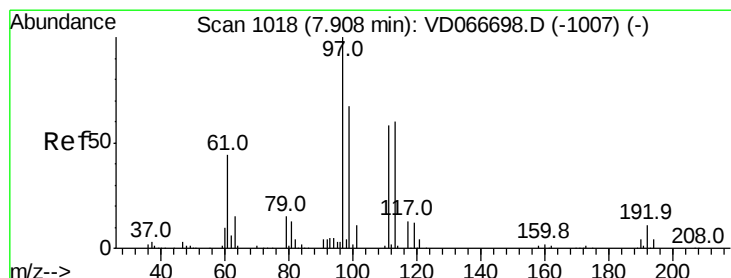
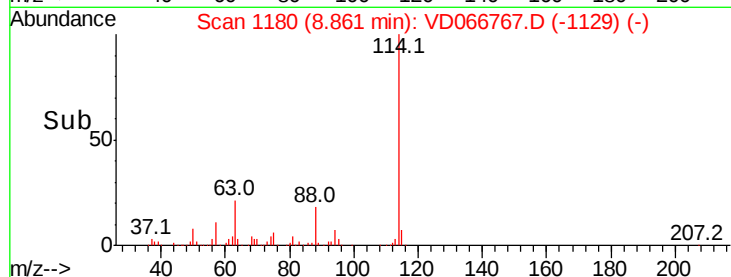
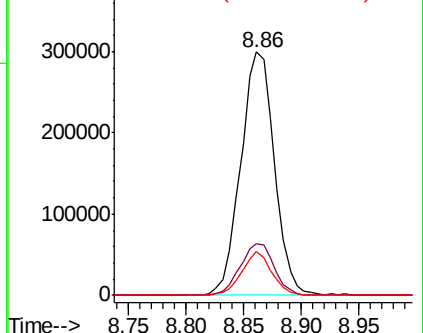
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066767.D
Acq: 18 Sep 2020 15:41

Instrument :
MSVOA_D
ClientSampleId :
SS-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	37.6
88	17.9	0.0	32.2

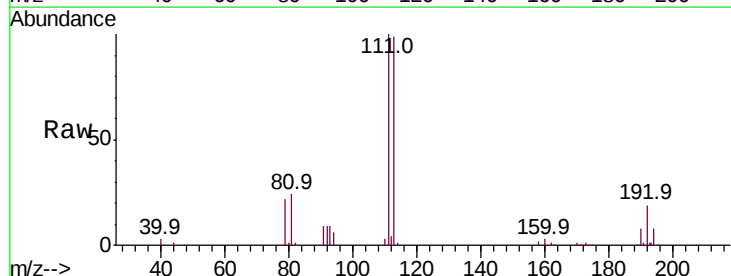


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

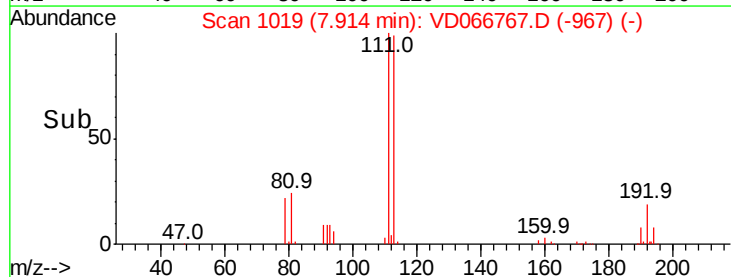
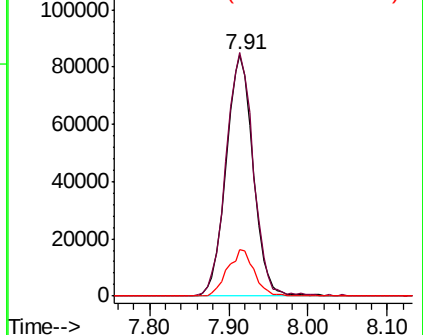


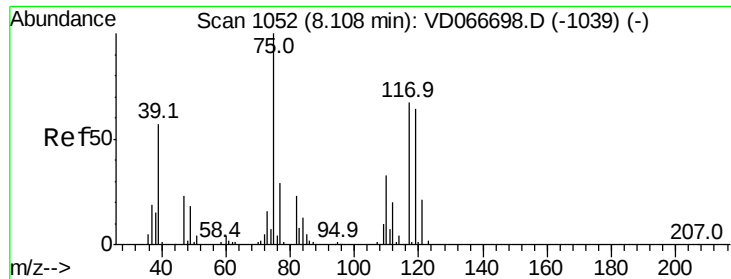
#35
Dibromofluoromethane
Concen: 53.155 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066767.D
Acq: 18 Sep 2020 15:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.2	124.8
192	18.8	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: 4.818 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066767.D

Acq: 18 Sep 2020 15:41

Instrument :

MSVOA_D

ClientSampled :

SS-2

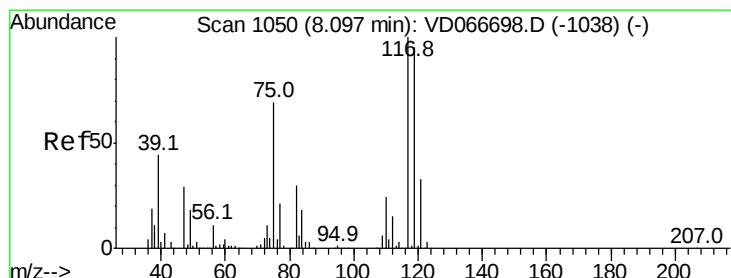
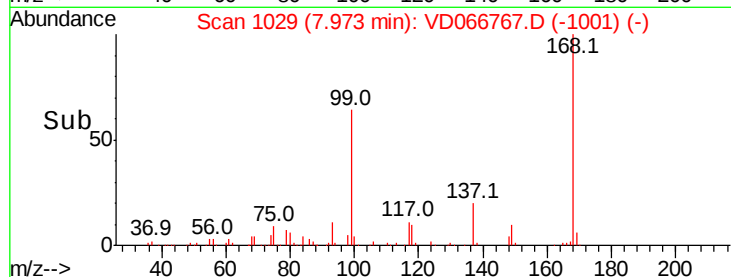
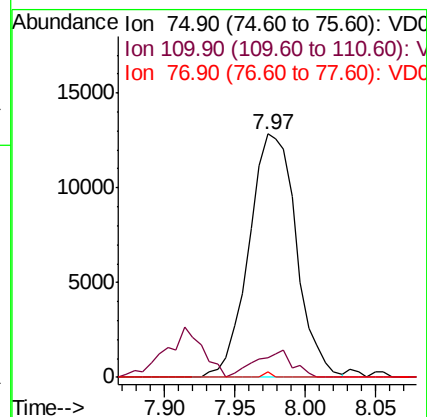
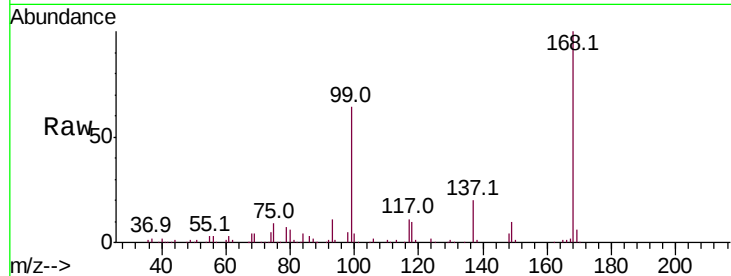
Tot Ion: 75 Resp: 30159

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.4 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.511 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066767.D

Acq: 18 Sep 2020 15:41

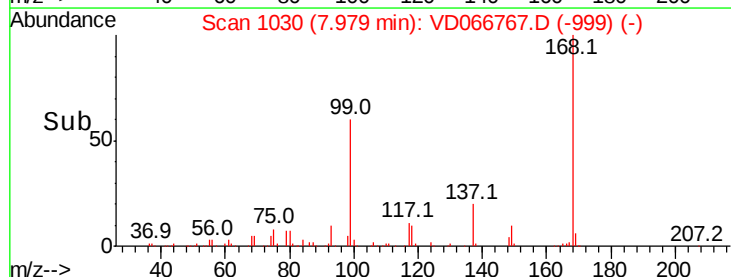
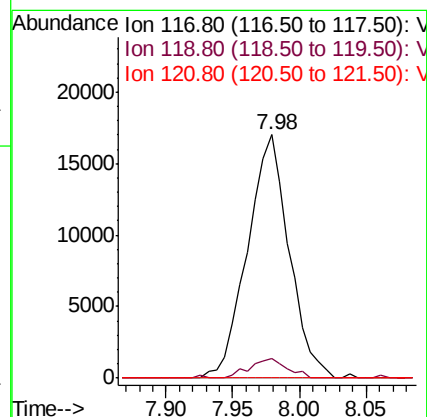
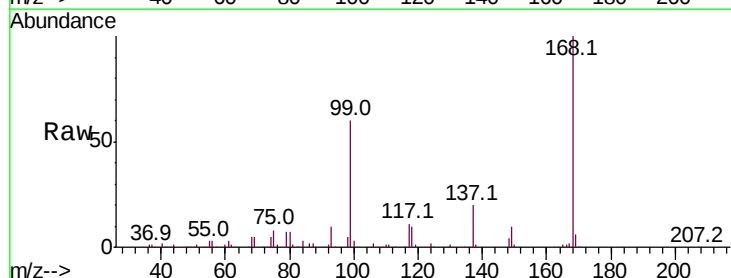
Tgt Ion: 117 Resp: 36629

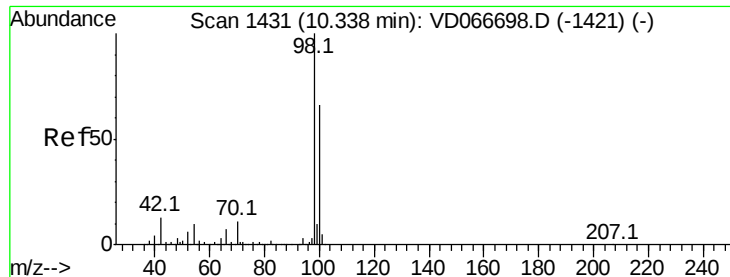
Ion Ratio Lower Upper

117 100

119 7.9 75.8 113.6#

121 0.0 26.2 39.4#





#50

Toluene-d8

Concen: 57.575 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066767.D

Acq: 18 Sep 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

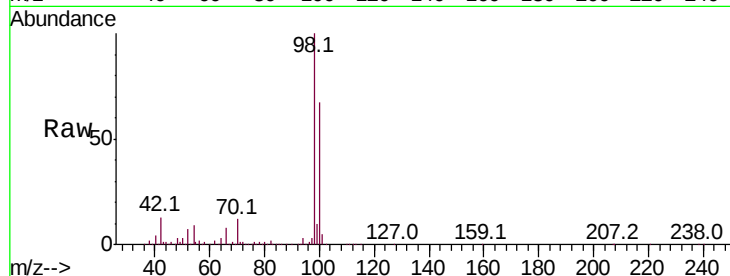
SS-2

Tot Ion: 98 Resp: 765607

Ion Ratio Lower Upper

98 100

100 65.5 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

400000

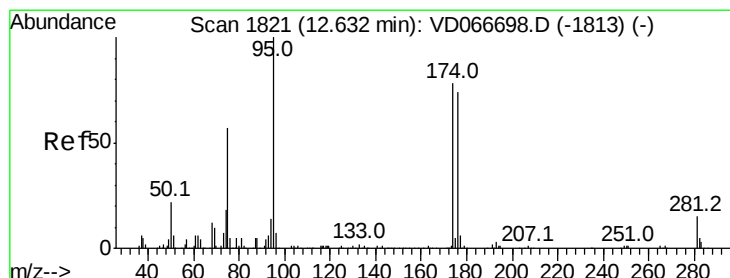
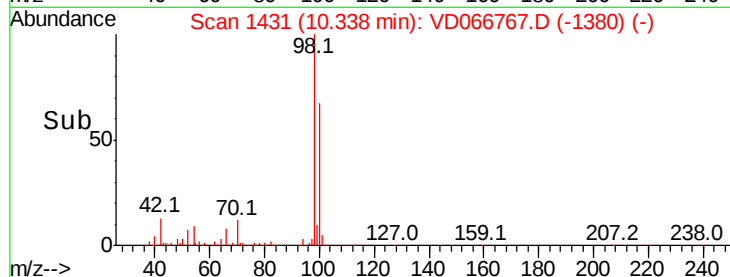
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 57.203 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066767.D

Acq: 18 Sep 2020 15:41

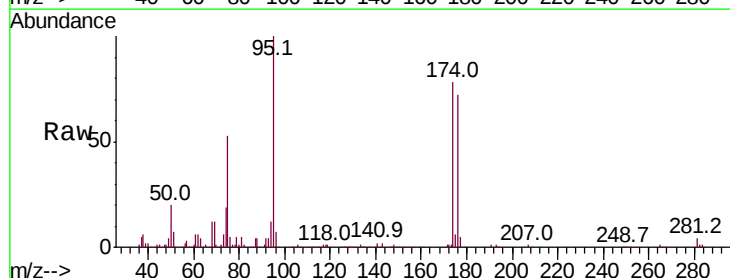
Tgt Ion: 95 Resp: 262570

Ion Ratio Lower Upper

95 100

174 79.1 0.0 156.6

176 75.6 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

200000

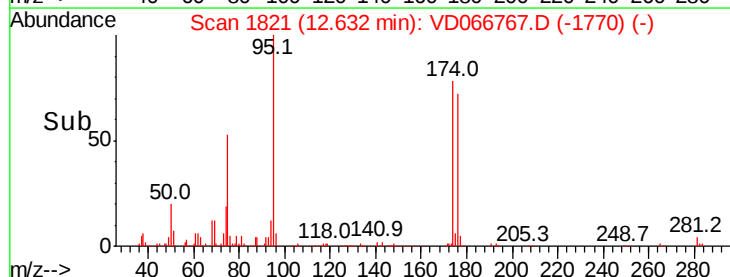
150000

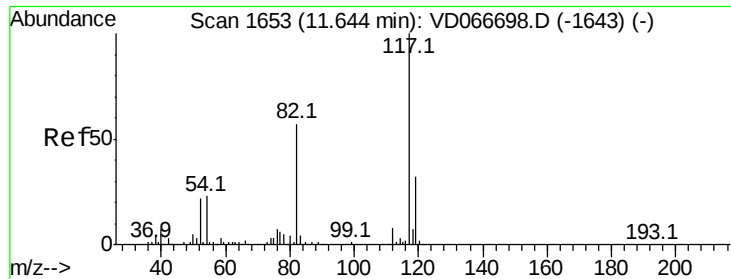
100000

50000

0

Time-->

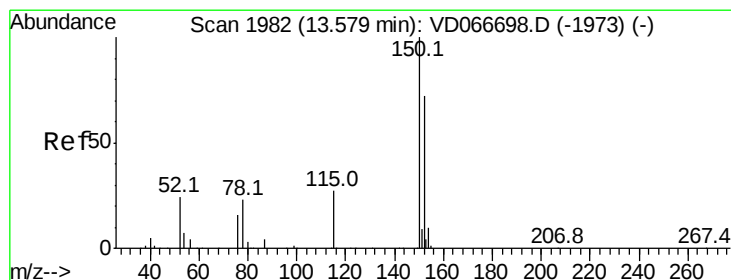
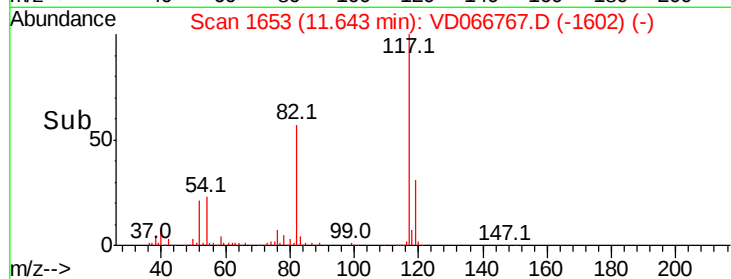
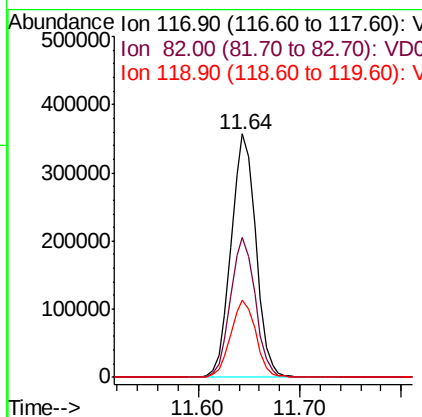
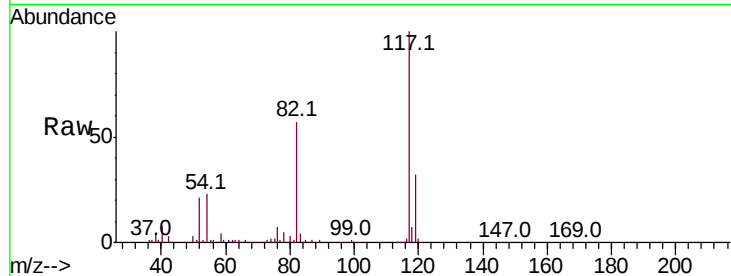




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066767.D
Acq: 18 Sep 2020 15:41

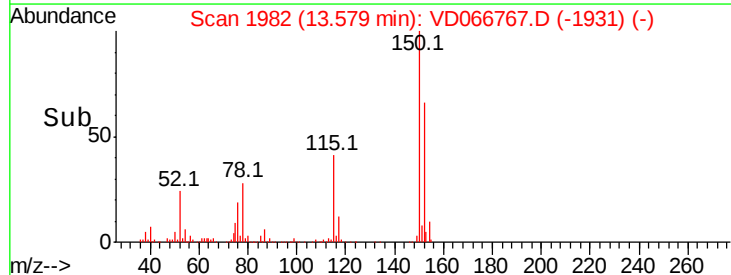
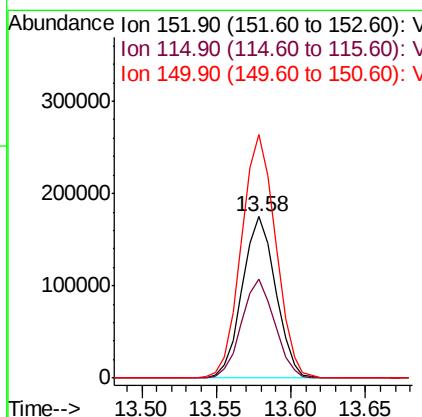
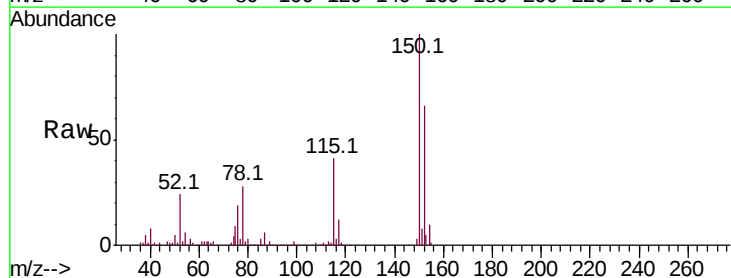
Instrument :
MSVOA_D
ClientSampleId :
SS-2

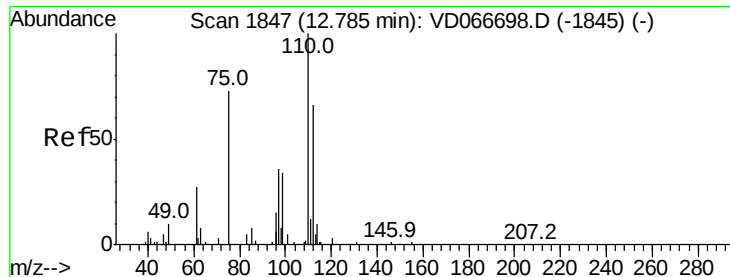
Tot Ion:117 Resp: 607040
Ion Ratio Lower Upper
117 100
82 57.3 45.4 68.0
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066767.D
Acq: 18 Sep 2020 15:41

Tgt Ion:152 Resp: 271926
Ion Ratio Lower Upper
152 100
115 61.1 30.5 91.5
150 155.1 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 61.306 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066767.D

Acq: 18 Sep 2020 15:41

Instrument :

MSVOA_D

ClientSampleID :

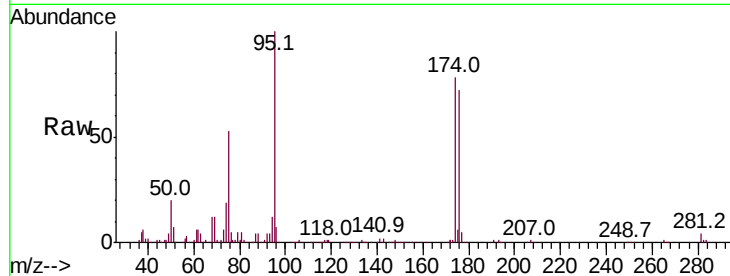
SS-2

Tot Ion: 75 Resp: 142695

Ion Ratio Lower Upper

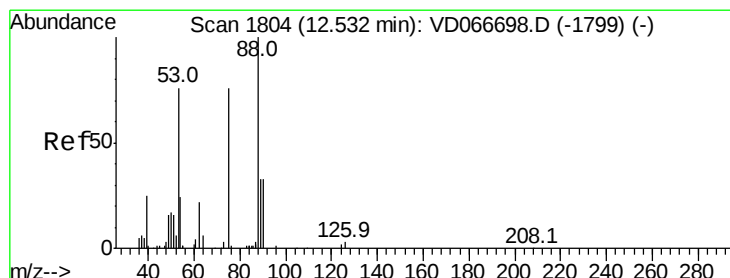
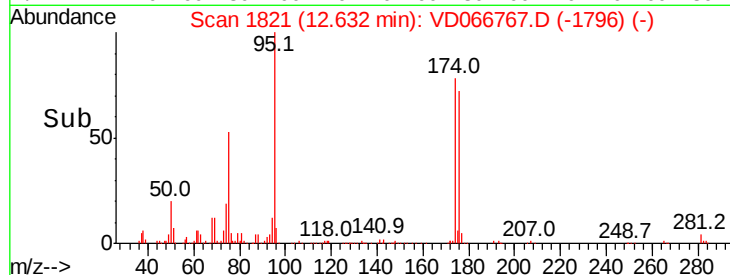
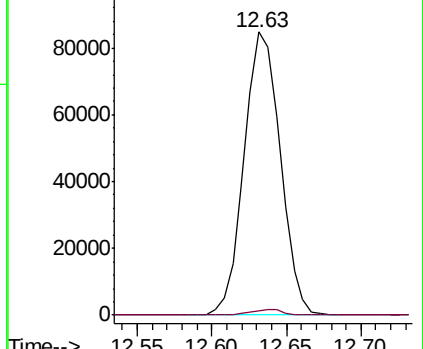
75 100

77 1.7 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: 132.309 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066767.D

Acq: 18 Sep 2020 15:41

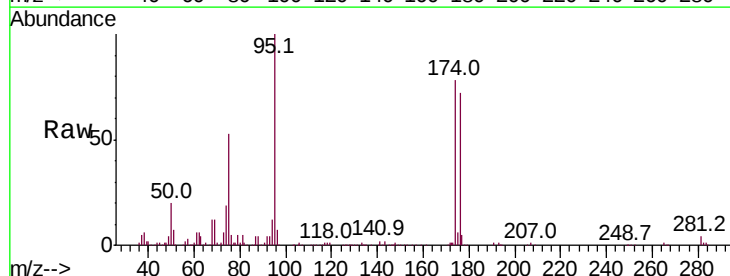
Tgt Ion: 75 Resp: 142695

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#



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

