

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066766.D
 Acq On : 18 Sep 2020 15:13
 Operator : VA/SY
 Sample : L4017-01
 Misc : 5.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-1

Quant Time: Sep 19 03:15:06 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	7.97	168	372210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	674927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	662121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296565	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	226015	56.91	ug/l	0.00
Spiked Amount			Recovery	=	113.82%	
35) Dibromofluoromethane	7.91	113	215730	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
50) Toluene-d8	10.34	98	840421	57.01	ug/l	0.00
Spiked Amount			Recovery	=	114.02%	
62) 4-Bromofluorobenzene	12.63	95	295517	58.07	ug/l	0.00
Spiked Amount			Recovery	=	116.14%	

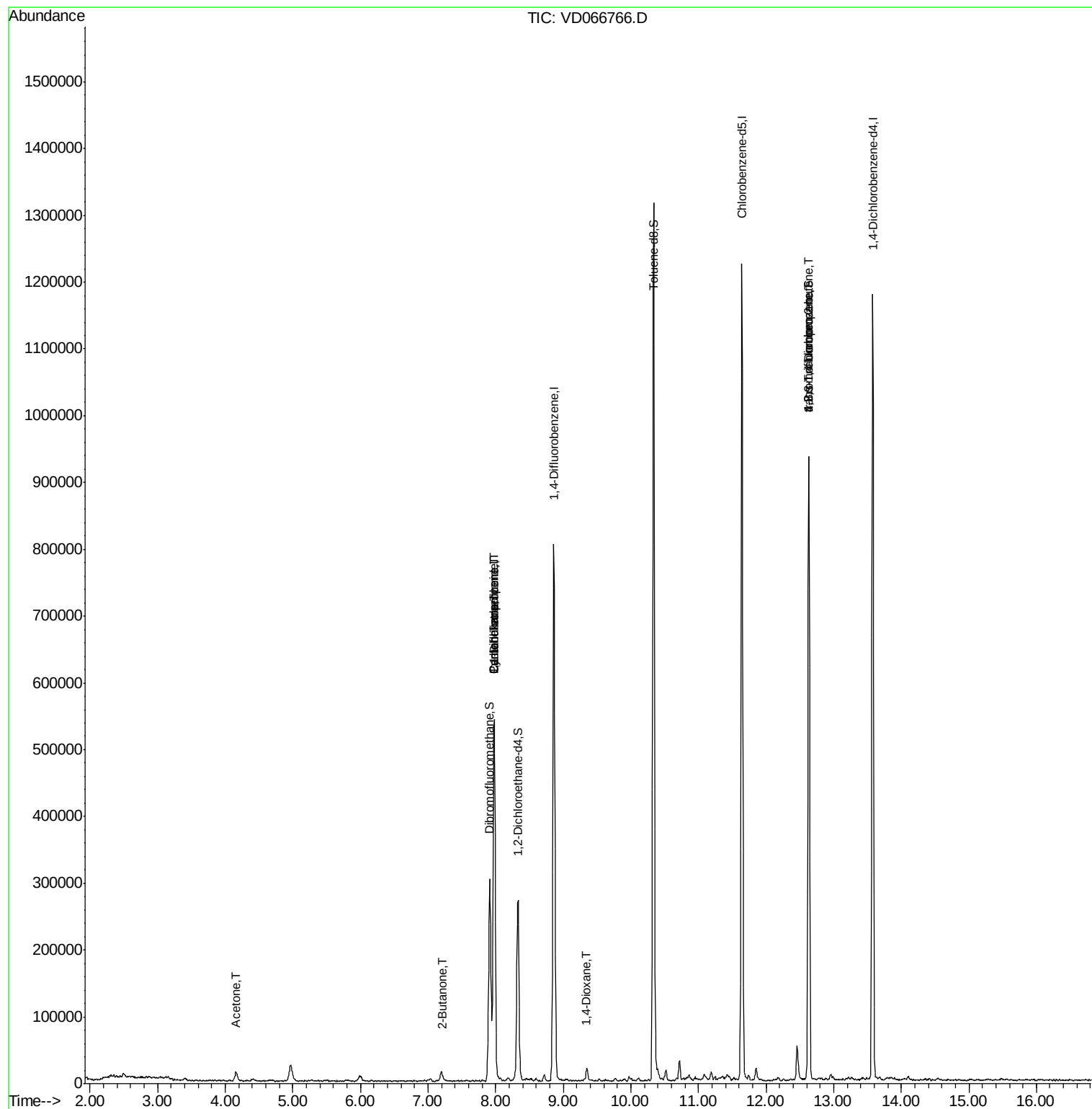
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	316	Below Cal	#	43
11) Tert butyl alcohol	5.23	59	151	Below Cal	#	76
16) Acetone	4.16	43	23241	28.739	ug/l #	86
18) Methyl Acetate	4.71	43	318	Below Cal	#	52
20) Methylene Chloride	4.97	84	17225	Below Cal		97
25) 2-Butanone	7.21	43	2306	2.190	ug/l	99
31) Cyclohexane	7.98	56	12865	1.834	ug/l #	43
36) 1,1-Dichloropropene	7.98	75	33561	4.836	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42343	5.746	ug/l #	19
49) 1,4-Dioxane	9.34	88	68	2.489	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	163517	64.415	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	163517	139.020	ug/l #	8

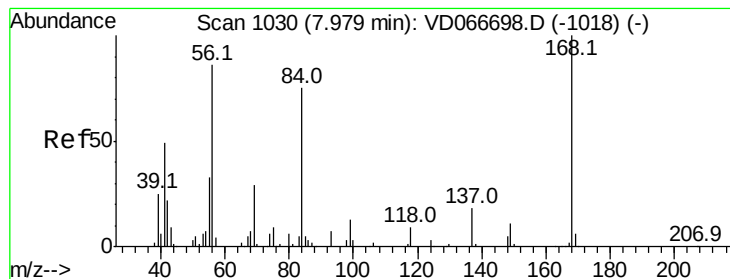
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066766.D

Acq: 18 Sep 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

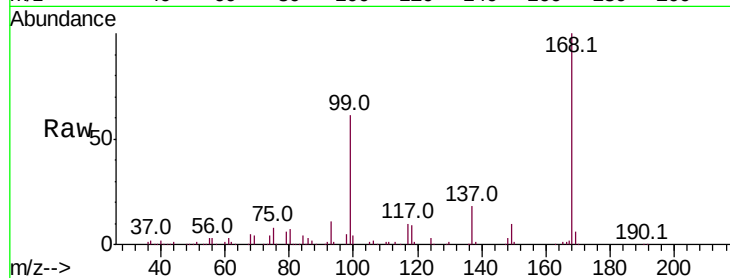
SS-1

Tot Ion:168 Resp: 372210

Ion Ratio Lower Upper

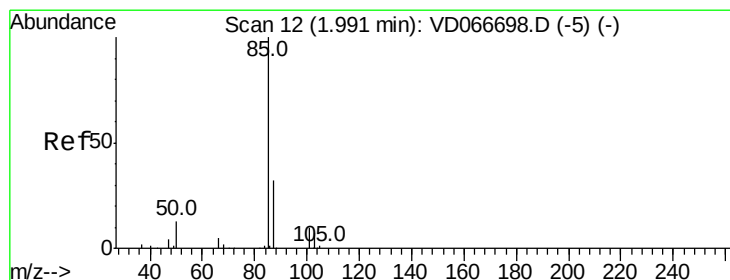
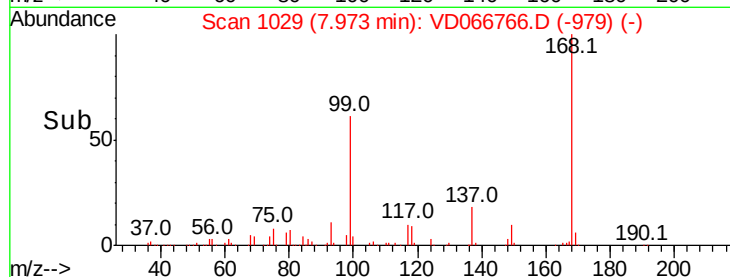
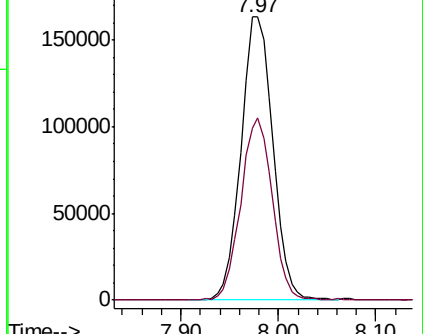
168 100

99 60.7 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: VD066766.D

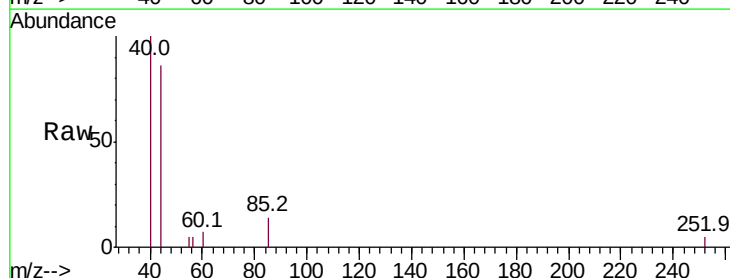
Acq: 18 Sep 2020 15:13

Tgt Ion: 85 Resp: 316

Ion Ratio Lower Upper

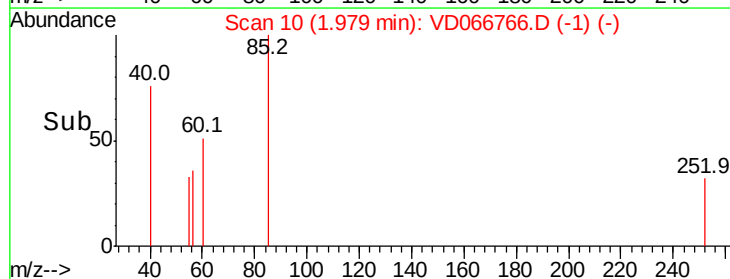
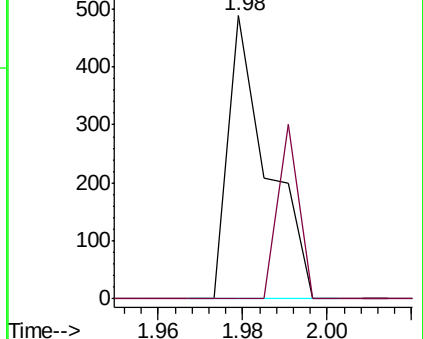
85 100

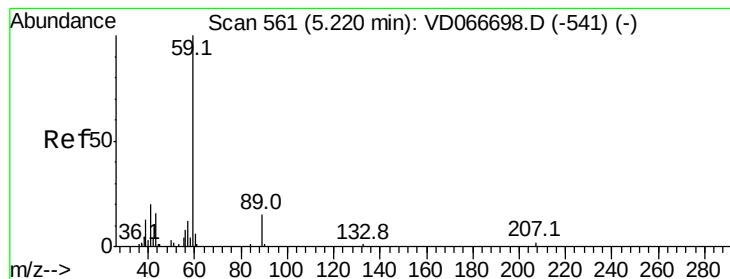
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



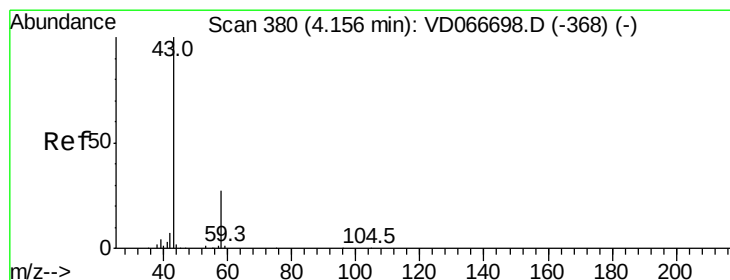
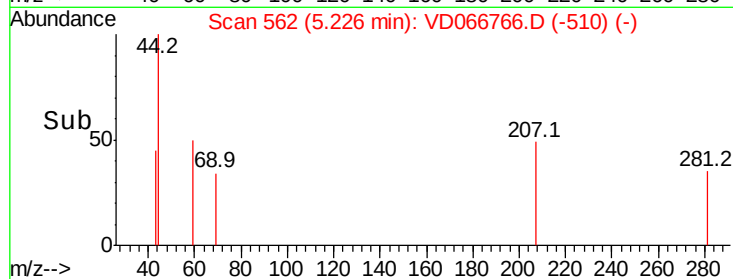
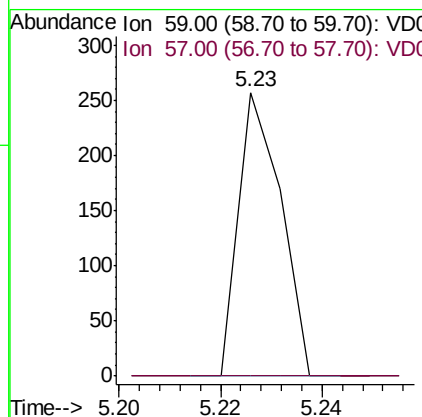
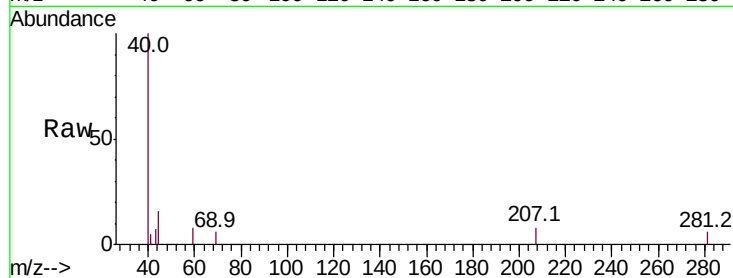


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066766.D
 Acq: 18 Sep 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-1

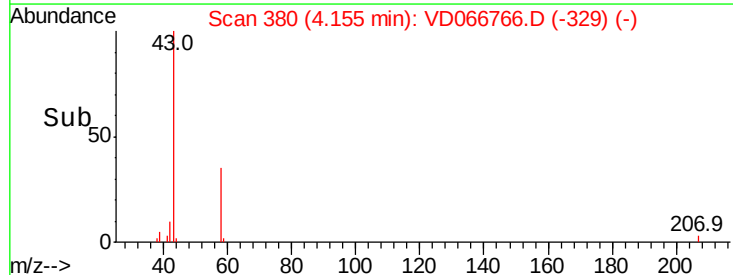
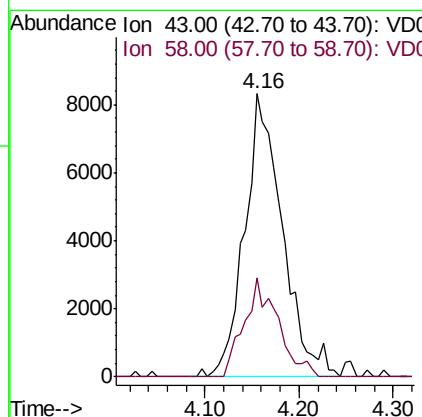
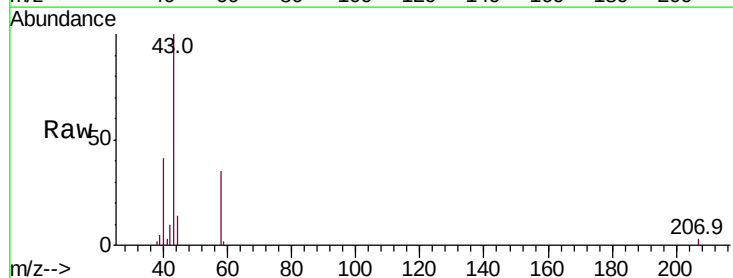
Tot Ion: 59 Resp: 151
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

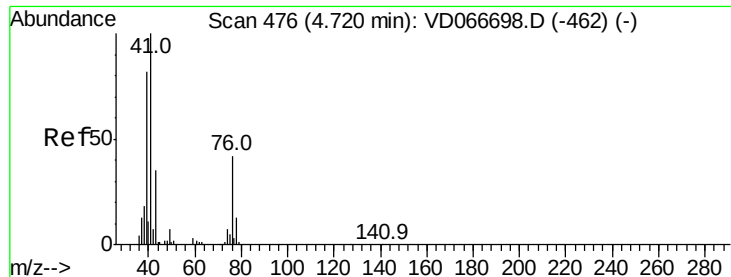


#16

Acetone
 Concen: 28.739 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066766.D
 Acq: 18 Sep 2020 15:13

Tgt Ion: 43 Resp: 23241
 Ion Ratio Lower Upper
 43 100
 58 34.8 21.9 32.9#

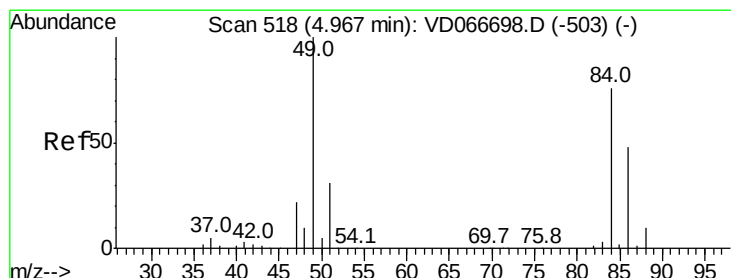
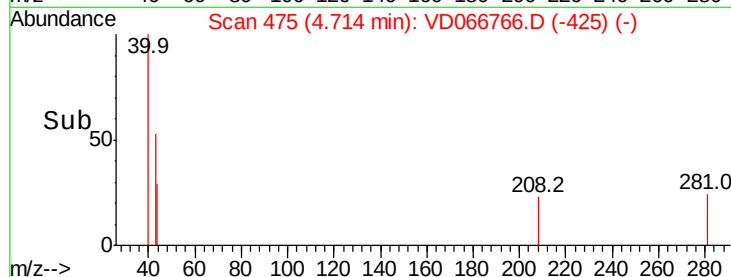
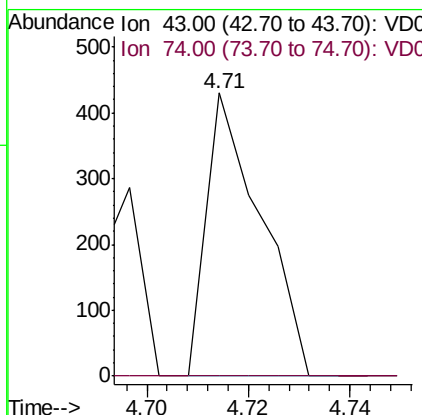
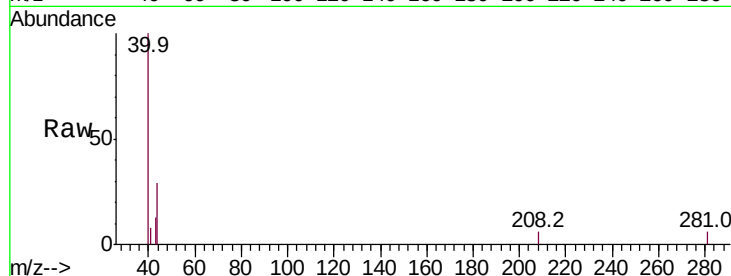




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066766.D
Acq: 18 Sep 2020 15:13

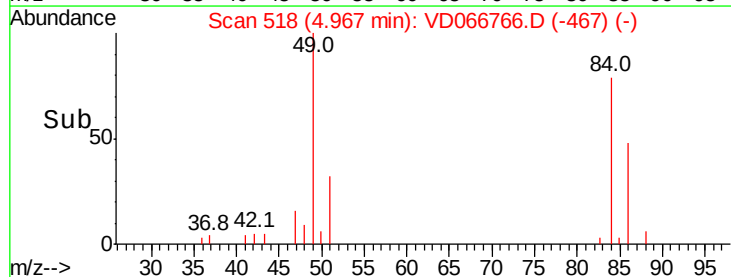
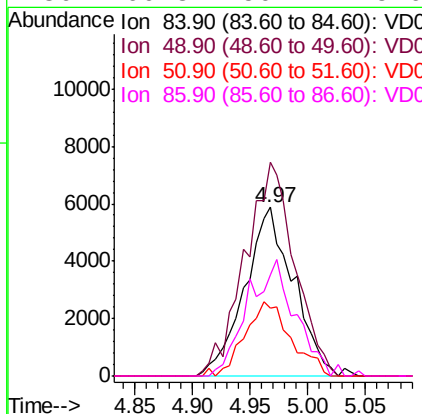
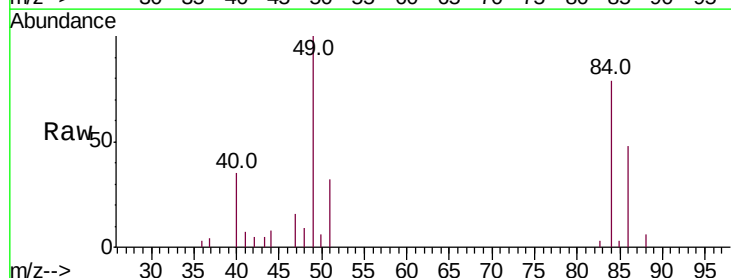
Instrument :
MSVOA_D
ClientSampled :
SS-1

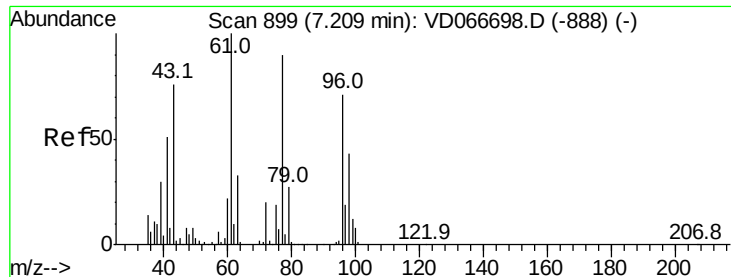
Tot Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066766.D
Acq: 18 Sep 2020 15:13

Tgt Ion: 84 Resp: 17225
Ion Ratio Lower Upper
84 100
49 126.6 105.0 157.6
51 40.1 32.2 48.4
86 60.3 50.4 75.6





#25

2-Butanone

Concen: 2.190 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066766.D

Acq: 18 Sep 2020 15:13

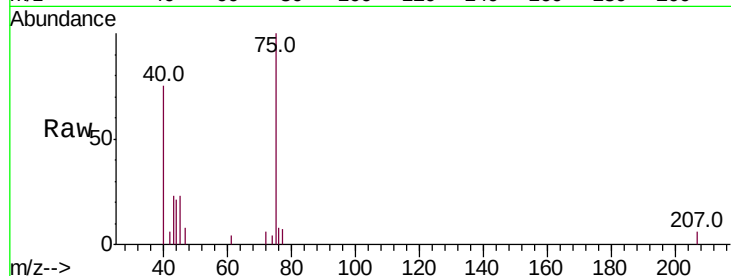
Instrument :
MSVOA_D
ClientSampled :
SS-1

Tot Ion: 43 Resp: 2306

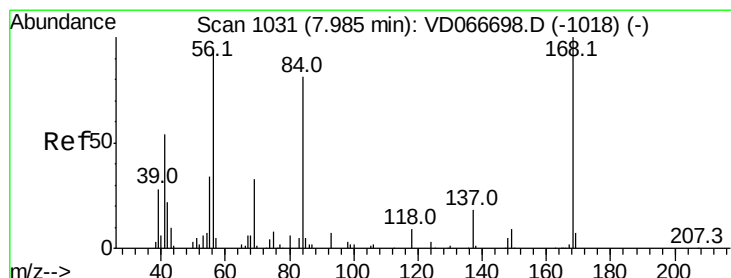
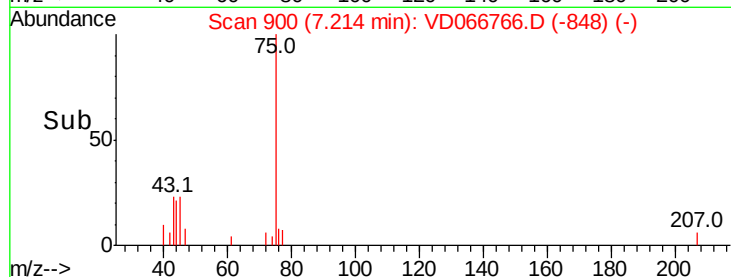
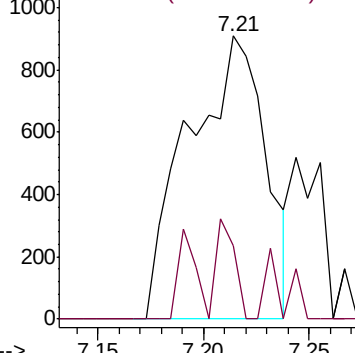
Ion Ratio Lower Upper

43 100

72 25.8 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.834 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066766.D

Acq: 18 Sep 2020 15:13

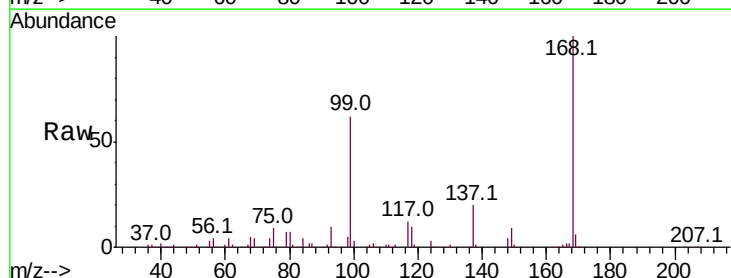
Tgt Ion: 56 Resp: 12865

Ion Ratio Lower Upper

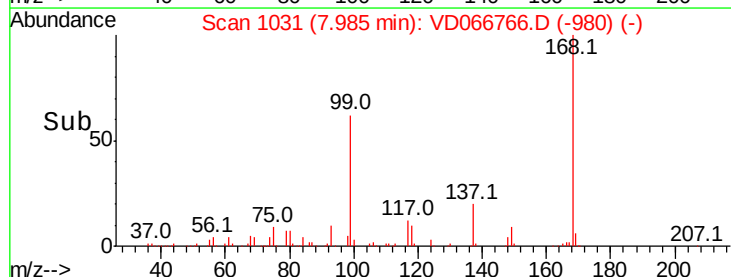
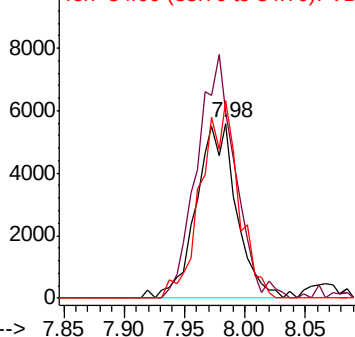
56 100

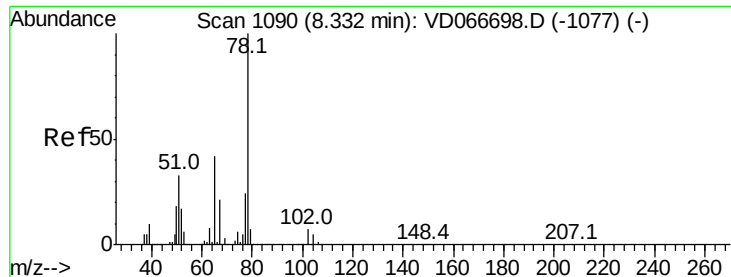
69 106.8 27.7 41.5#

84 113.1 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: 56.913 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066766.D

Acq: 18 Sep 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

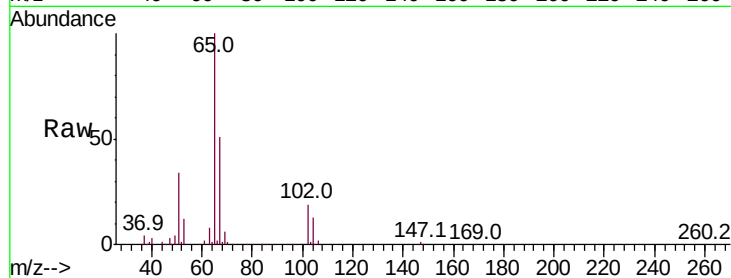
SS-1

Tot Ion: 65 Resp: 226015

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

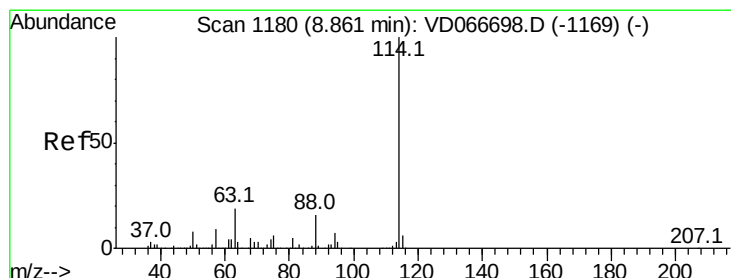
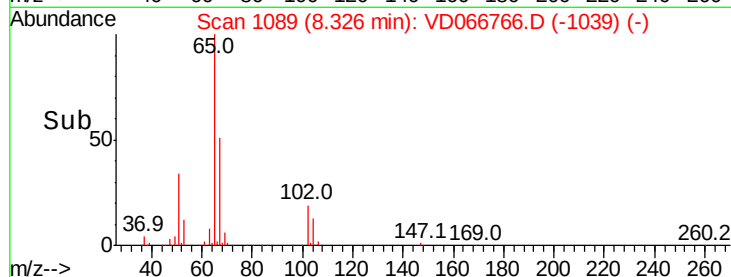
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066766.D

Acq: 18 Sep 2020 15:13

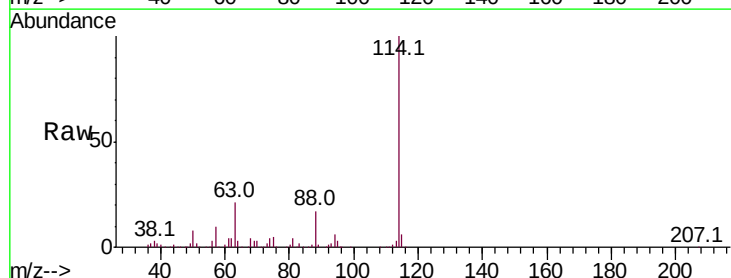
Tgt Ion: 114 Resp: 674927

Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.6

88 16.7 0.0 32.2



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

8.86

400000

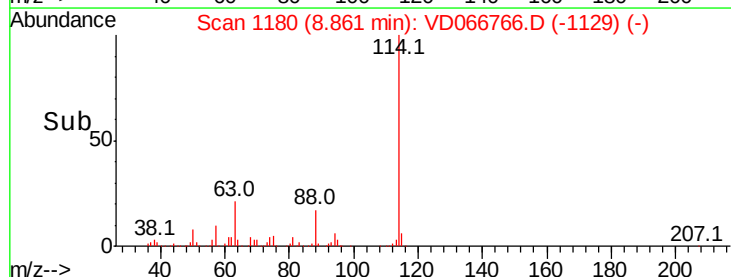
300000

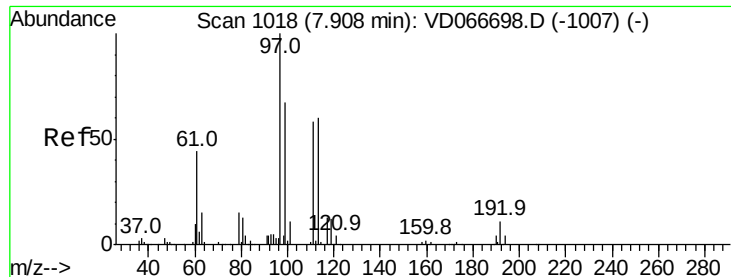
200000

100000

0

Time--> 8.80 8.90 9.00

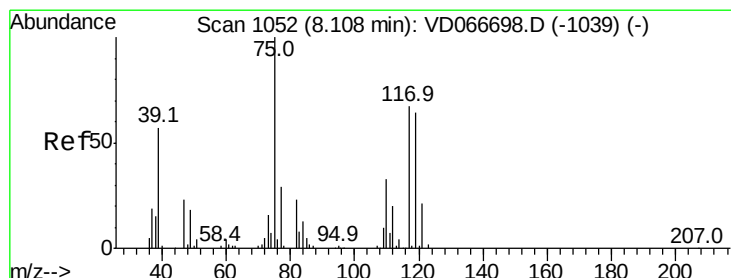
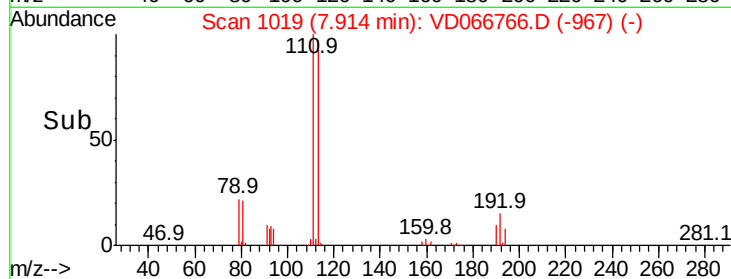
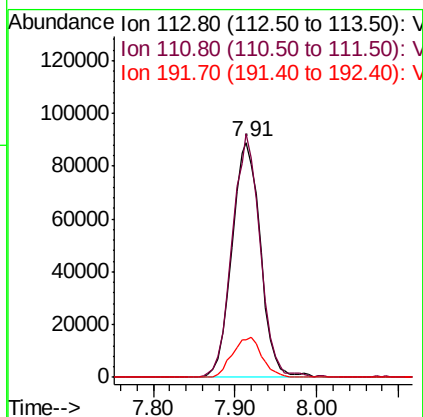
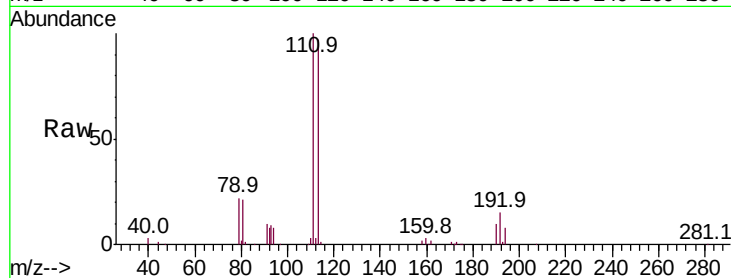




#35
Dibromofluoromethane
Concen: 52.135 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066766.D
Acq: 18 Sep 2020 15:13

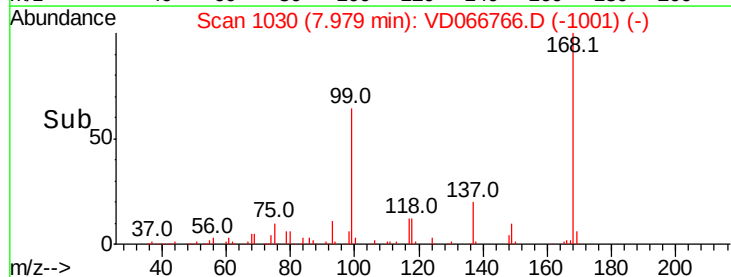
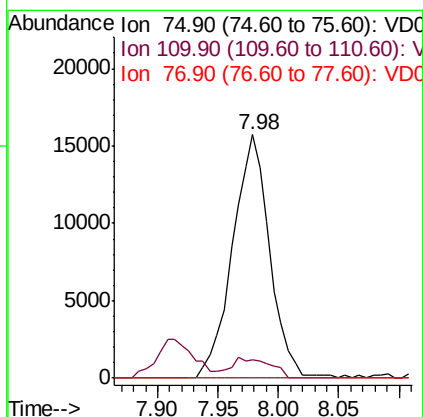
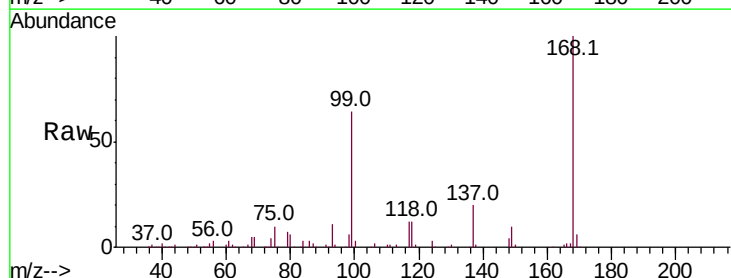
Instrument :
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SS-1

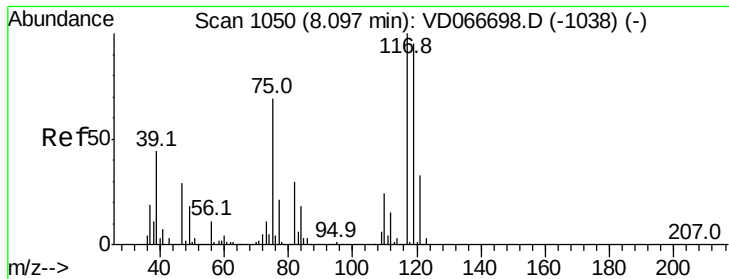
Tot Ion:113 Resp: 215730
Ion Ratio Lower Upper
113 100
111 101.6 83.2 124.8
192 17.7 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.836 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.13 min
Lab File: VD066766.D
Acq: 18 Sep 2020 15:13

Tgt Ion: 75 Resp: 33561
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.746 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066766.D

Acq: 18 Sep 2020 15:13

Instrument :

MSVOA_D

ClientSampled :

SS-1

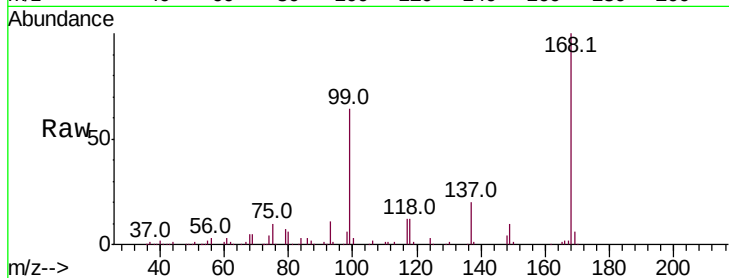
Tot Ion:117 Resp: 42343

Ion Ratio Lower Upper

117 100

119 8.5 75.8 113.6#

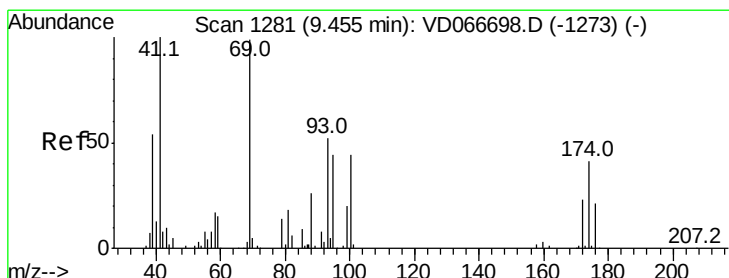
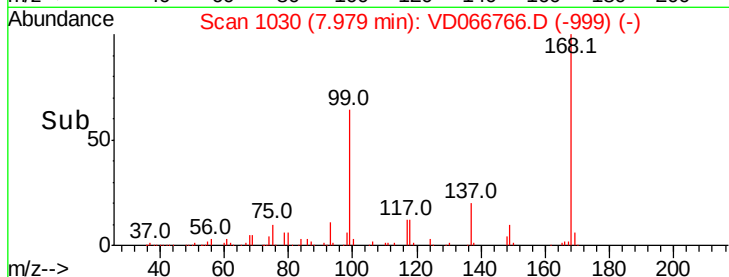
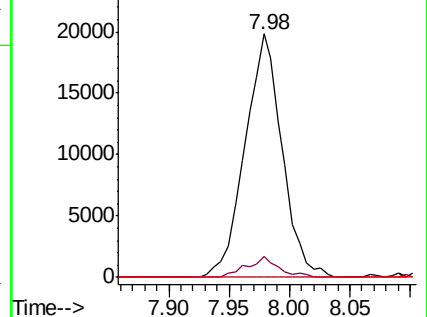
121 0.0 26.2 39.4#



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



#49

1,4-Dioxane

Concen: 2.489 ug/l

RT: 9.34 min Scan# 1261

Delta R.T. -0.12 min

Lab File: VD066766.D

Acq: 18 Sep 2020 15:13

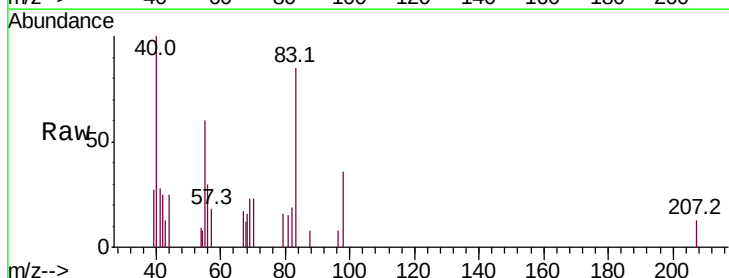
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 652.9 29.3 43.9#

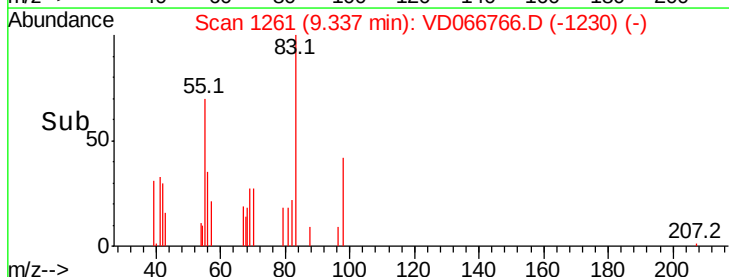
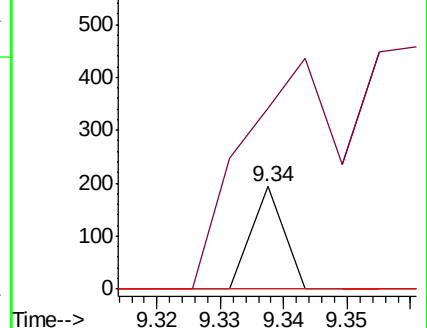
58 0.0 51.4 77.2#

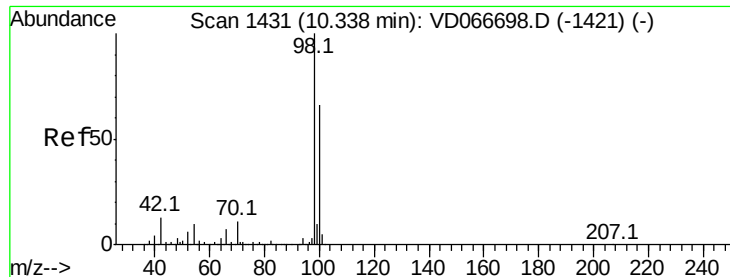


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 57.007 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066766.D

Acq: 18 Sep 2020 15:13

Instrument :

MSVOA_D

ClientSampled :

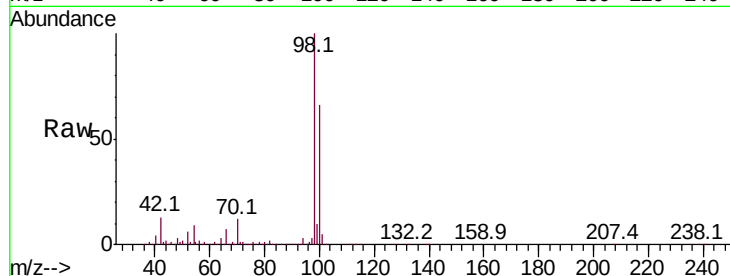
SS-1

Tot Ion: 98 Resp: 840421

Ion Ratio Lower Upper

98 100

100 64.9 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

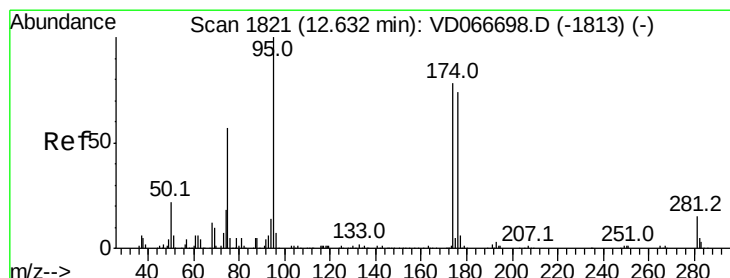
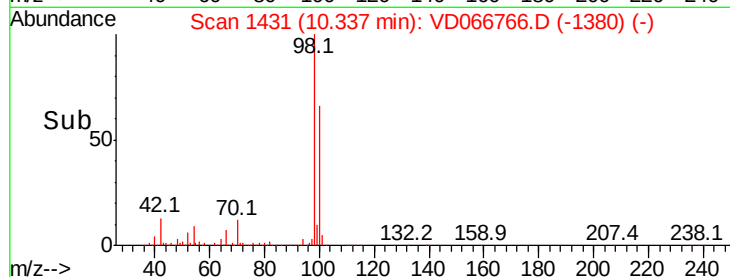
200000

100000

0

Time-->

10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 58.071 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066766.D

Acq: 18 Sep 2020 15:13

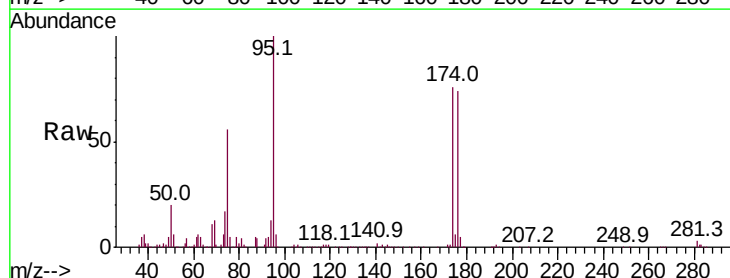
Tgt Ion: 95 Resp: 295517

Ion Ratio Lower Upper

95 100

174 77.1 0.0 156.6

176 74.7 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

250000

200000

150000

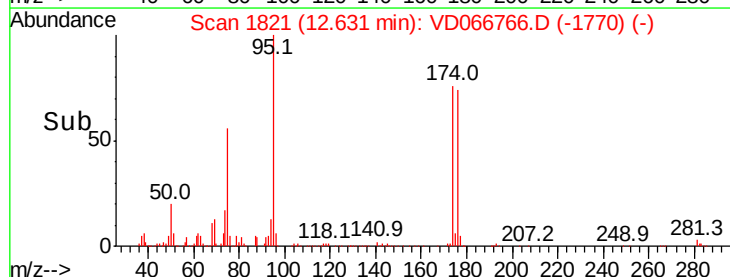
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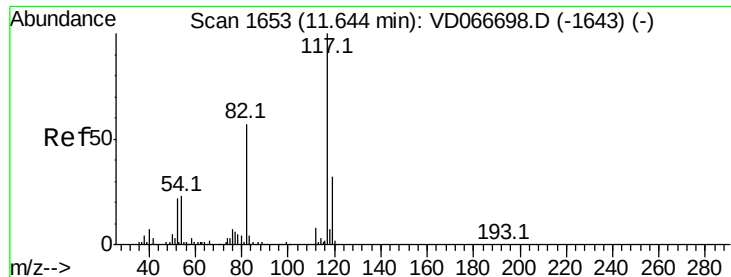
50000

0

Time-->

12.60 12.70

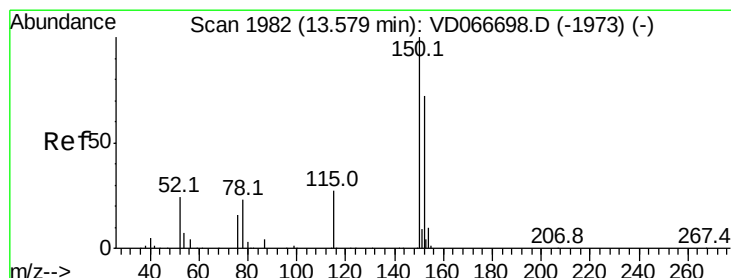
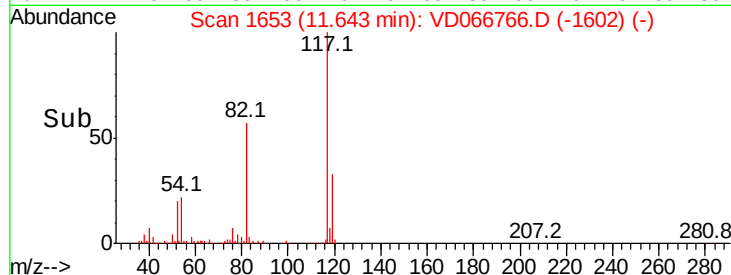
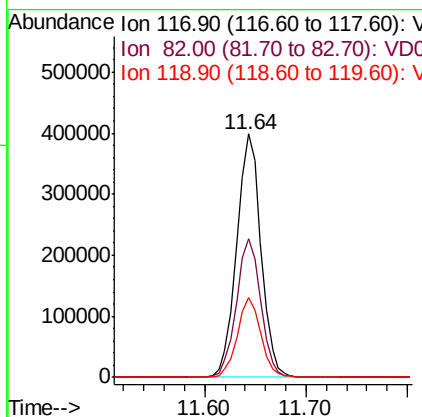
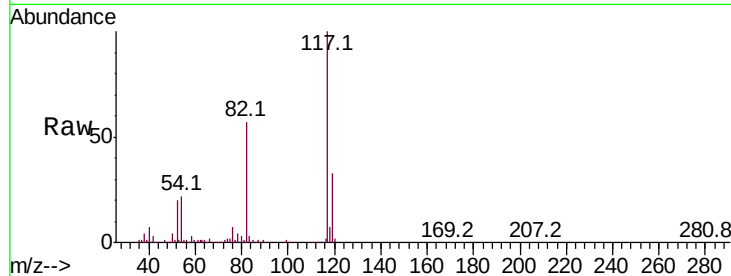




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066766.D
Acq: 18 Sep 2020 15:13

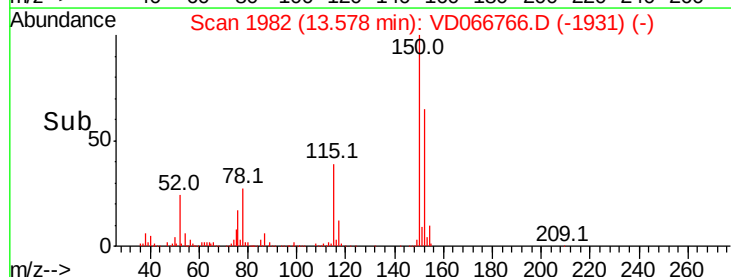
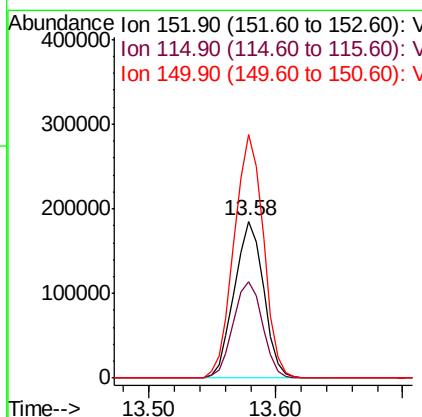
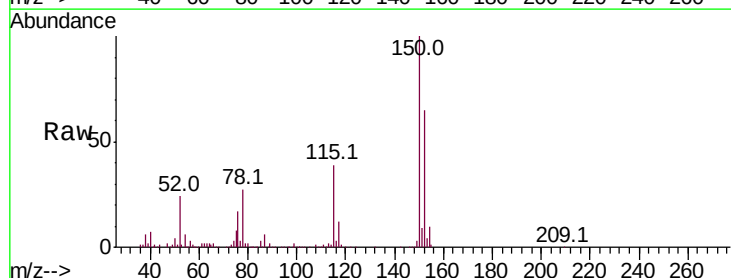
Instrument :
MSVOA_D
ClientSampleId :
SS-1

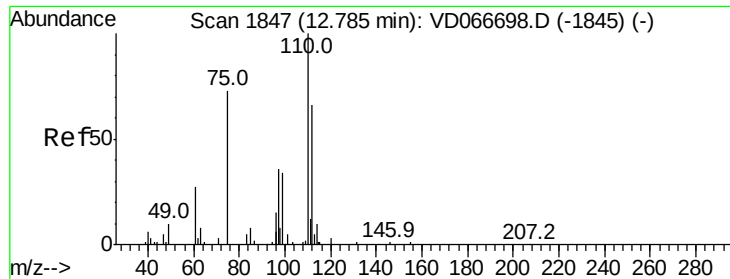
Tot Ion:117 Resp: 662121
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.0
119 32.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066766.D
Acq: 18 Sep 2020 15:13

Tgt Ion:152 Resp: 296565
Ion Ratio Lower Upper
152 100
115 61.5 30.5 91.5
150 155.5 0.0 344.6

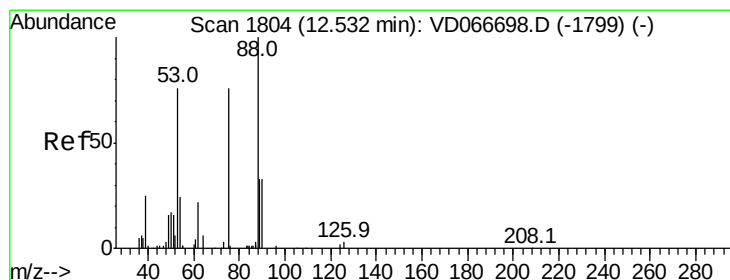
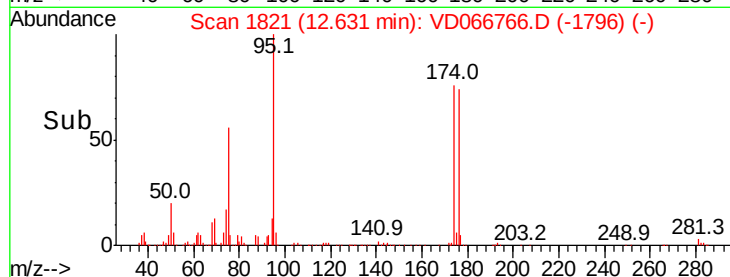
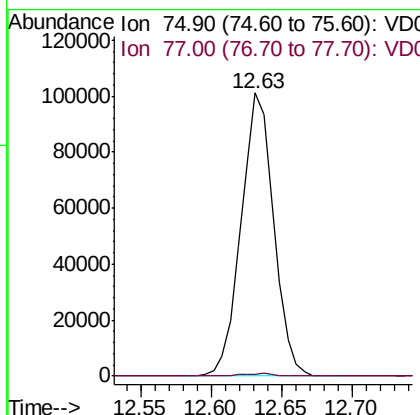
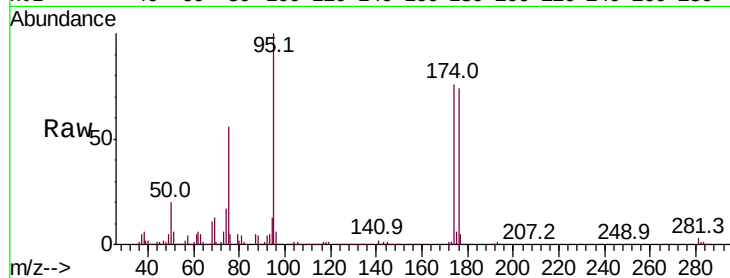




#76
 1,2,3-Trichloropropane
 Concen: 64.415 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066766.D
 Acq: 18 Sep 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleID :
 SS-1

Tot Ion: 75 Resp: 163517
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.020 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066766.D
 Acq: 18 Sep 2020 15:13

Tgt Ion: 75 Resp: 163517
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.2 123.4#
 89 0.0 39.6 59.4#

