

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066792.D
 Acq On : 21 Sep 2020 19:32
 Operator : VA/SY
 Sample : L4048-06
 Misc : 4.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 Q-2

Quant Time: Sep 22 00:56:11 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	393890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	730639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	732255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330511	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	224636	53.45	ug/l	0.00
Spiked Amount						
			Recovery	=	106.90%	
35) Dibromofluoromethane	7.91	113	237273	52.97	ug/l	0.00
Spiked Amount						
			Recovery	=	105.94%	
50) Toluene-d8	10.34	98	893743	56.00	ug/l	0.00
Spiked Amount						
			Recovery	=	112.00%	
62) 4-Bromofluorobenzene	12.63	95	323250	58.68	ug/l	0.00
Spiked Amount						
			Recovery	=	117.36%	

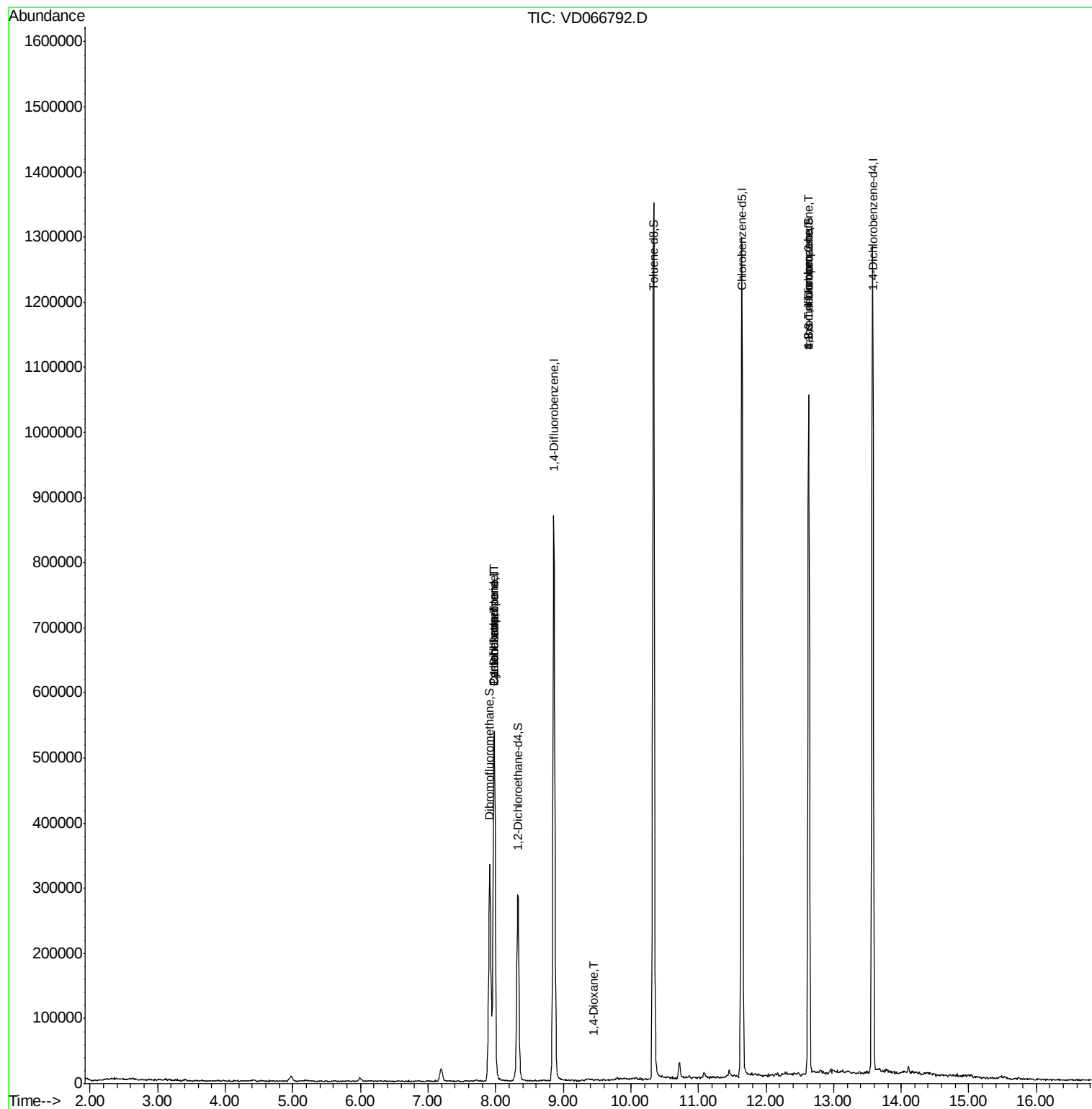
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	267	Below Cal	#	43
11) Tert butyl alcohol	5.19	59	1438	Below Cal	#	76
18) Methyl Acetate	4.58	43	87	Below Cal	#	52
20) Methylene Chloride	4.99	84	6065	Below Cal	#	63
31) Cyclohexane	7.98	56	9837	1.325	ug/l #	14
36) 1,1-Dichloropropene	7.97	75	32741	4.359	ug/l #	51
38) Carbon Tetrachloride	7.97	117	43698	5.478	ug/l #	17
49) 1,4-Dioxane	9.46	88	62	2.096	ug/l #	25
76) 1,2,3-Trichloropropane	12.63	75	175138	61.907	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	175138	133.606	ug/l #	8

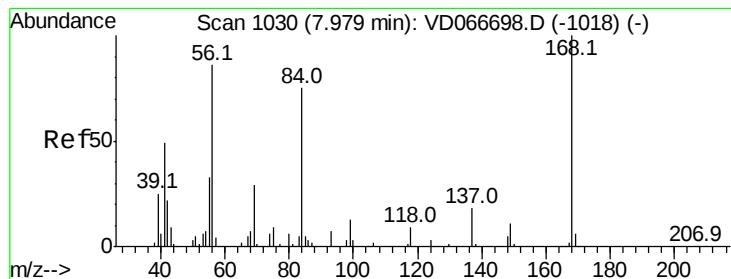
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092120\
Data File : VD066792.D
Acq On : 21 Sep 2020 19:32
Operator : VA/SY
Sample : L4048-06
Misc : 4.52G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
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Q-2

Quant Time: Sep 22 00:56:11 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: VD066792.D

Acq: 21 Sep 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

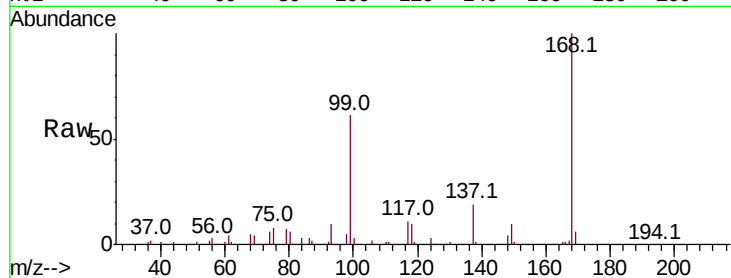
Q-2

Tot Ion:168 Resp: 393890

Ion Ratio Lower Upper

168 100

99 61.0 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

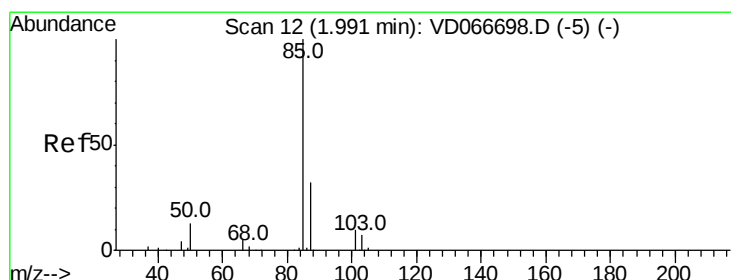
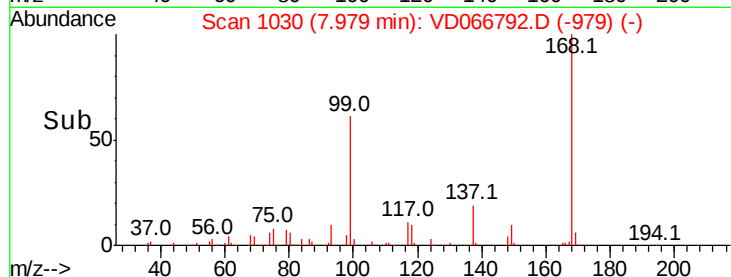
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066792.D

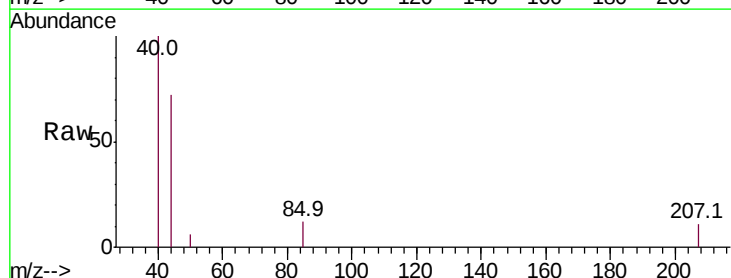
Acq: 21 Sep 2020 19:32

Tgt Ion: 85 Resp: 267

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

1.99

500

400

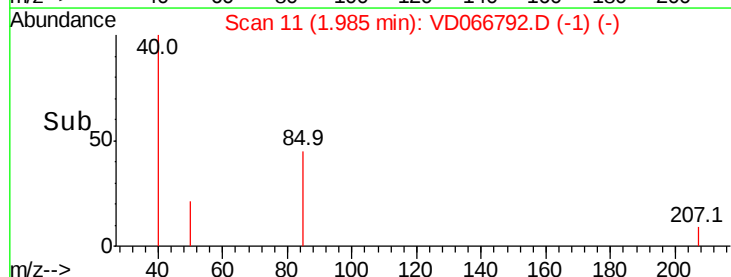
300

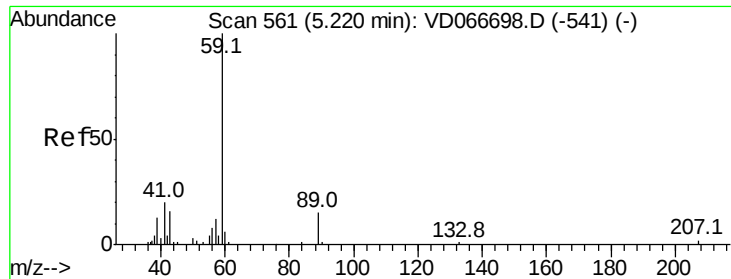
200

100

0

Time-->



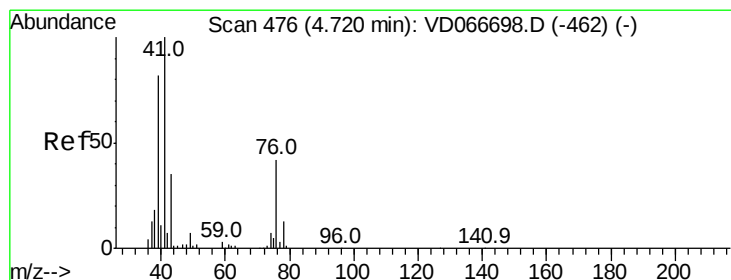
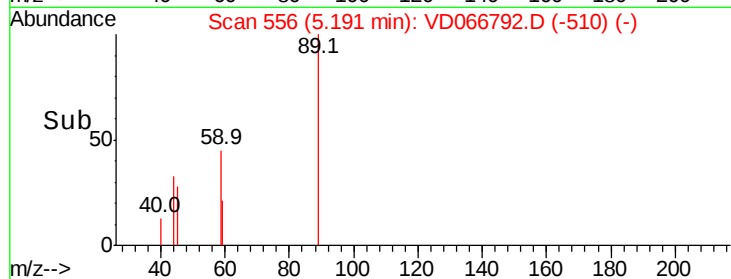
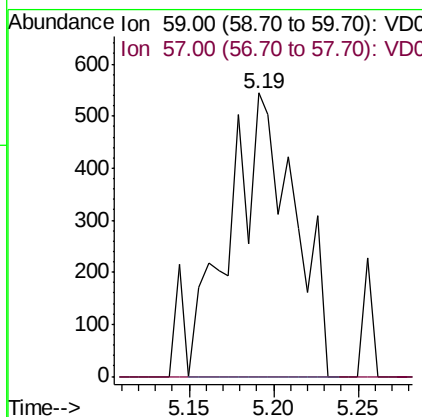
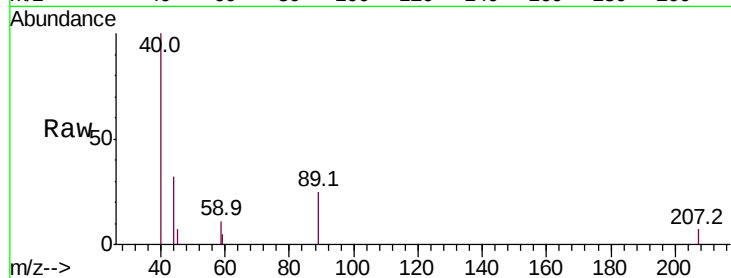


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD066792.D
 Acq: 21 Sep 2020 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 Q-2

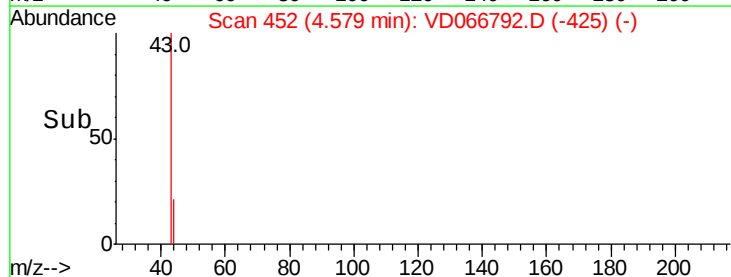
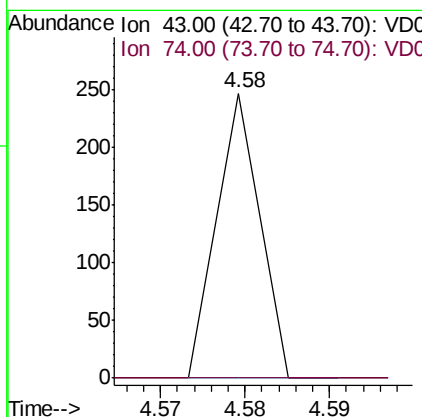
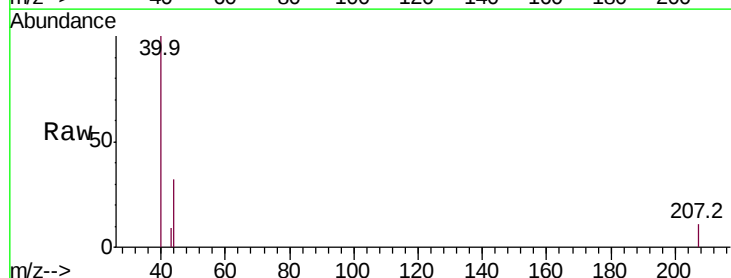
Tot Ion: 59 Resp: 1438
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

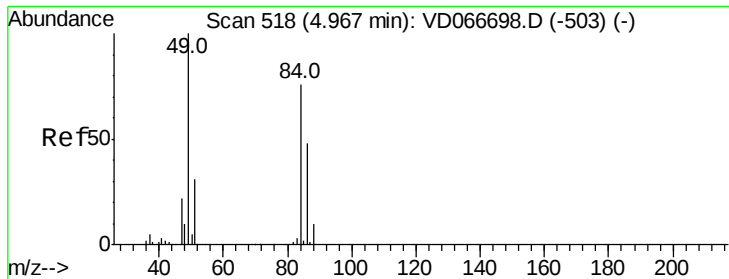


#18

Methyl Acetate
 Concen: Below Cal
 RT: 4.58 min Scan# 452
 Delta R.T. -0.14 min
 Lab File: VD066792.D
 Acq: 21 Sep 2020 19:32

Tgt Ion: 43 Resp: 87
 Ion Ratio Lower Upper
 43 100
 74 0.0 18.6 28.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.99 min Scan# 521

Delta R.T. 0.02 min

Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
Q-2

Tot Ion: 84 Resp: 6065

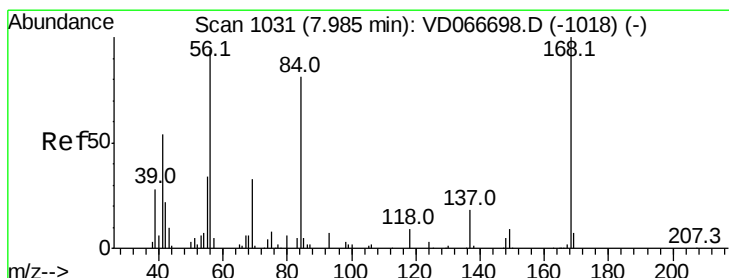
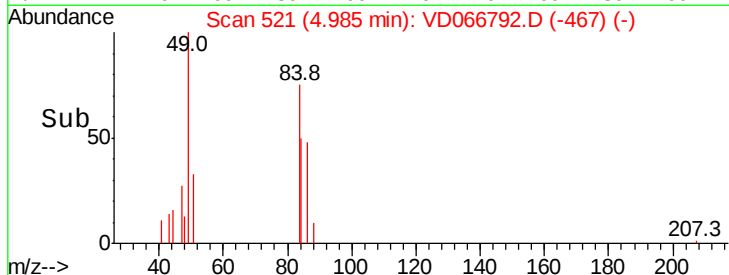
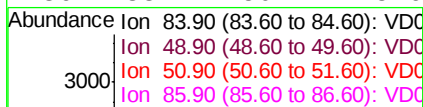
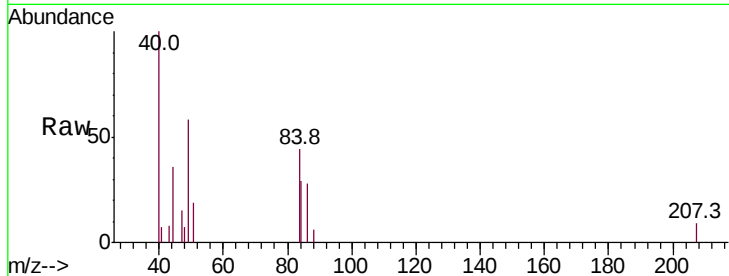
Ion Ratio Lower Upper

84 100

49 79.9 105.0 157.6#

51 26.3 32.2 48.4#

86 38.1 50.4 75.6#



#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

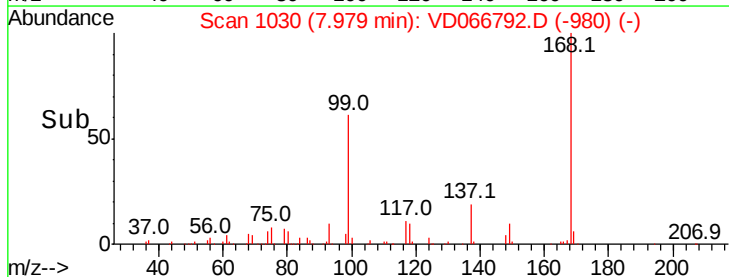
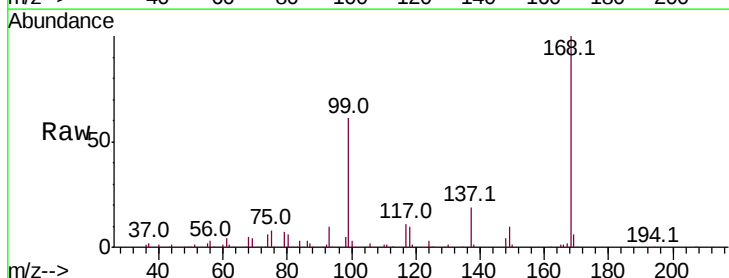
Tgt Ion: 56 Resp: 9837

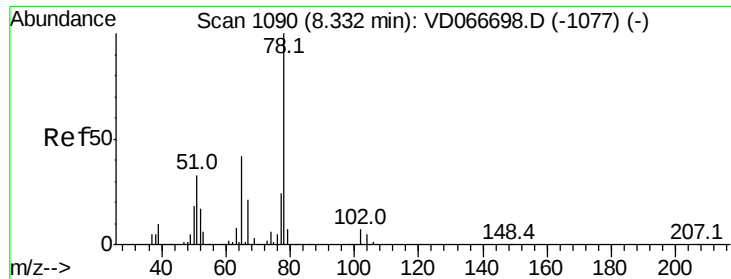
Ion Ratio Lower Upper

56 100

69 144.3 27.7 41.5#

84 125.3 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 53.452 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

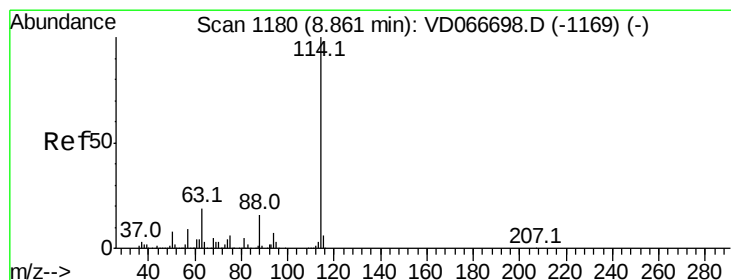
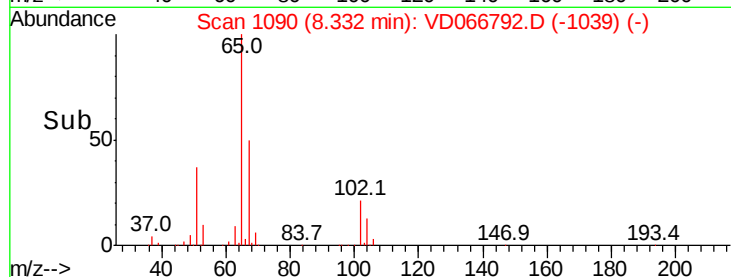
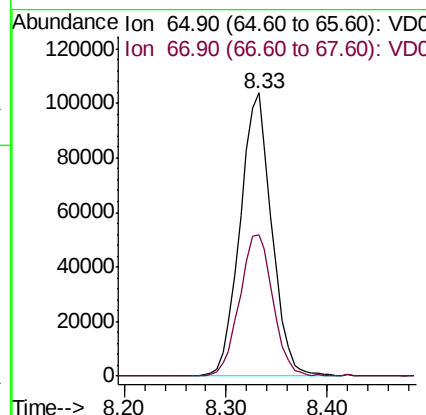
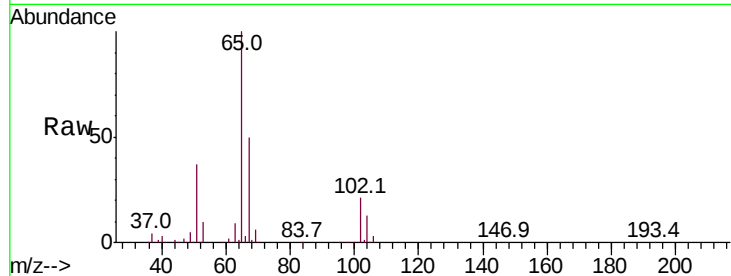
Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
Q-2

Tot Ion: 65 Resp: 224636

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

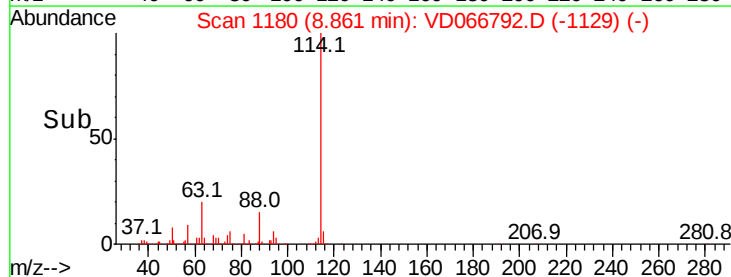
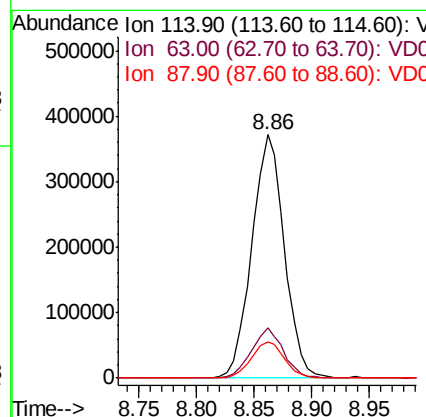
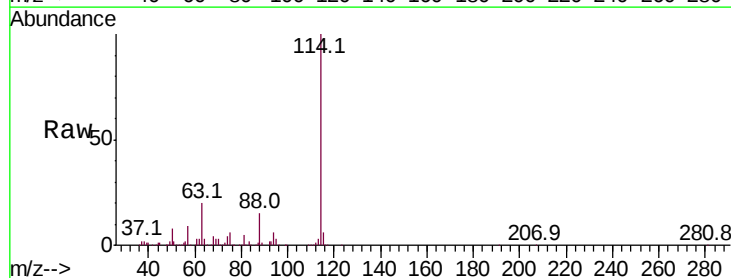
Delta R.T. 0.00 min

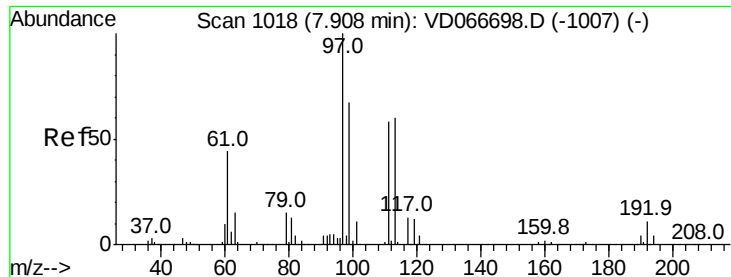
Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

Tgt Ion: 114 Resp: 730639

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	37.6
88	15.1	0.0	32.2

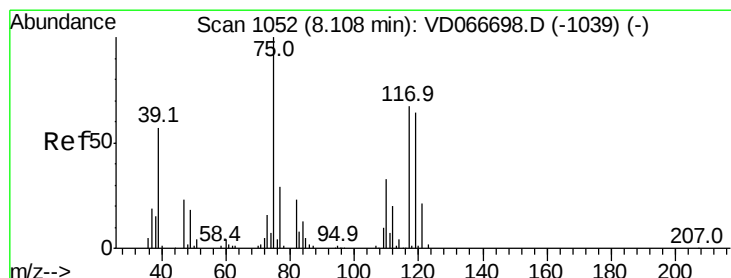
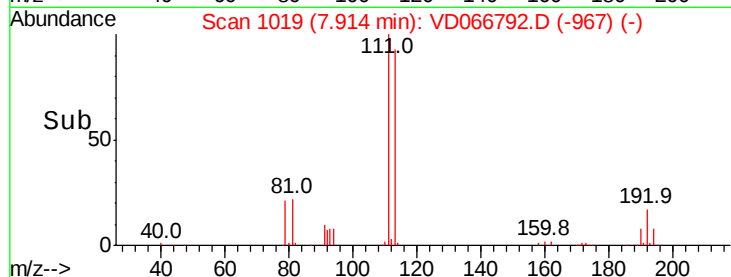
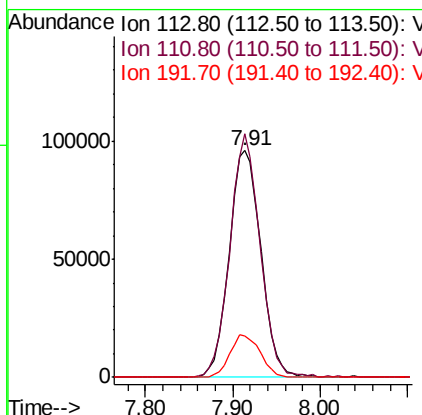
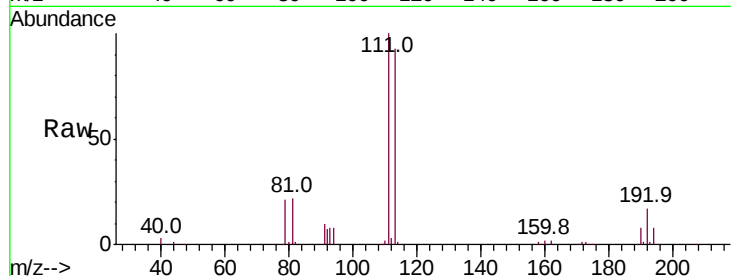




#35
 Dibromofluoromethane
 Concen: 52.968 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066792.D
 Acq: 21 Sep 2020 19:32

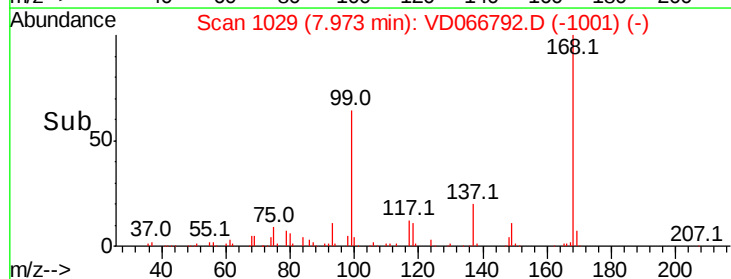
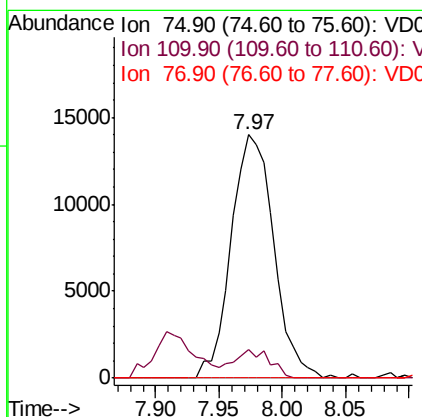
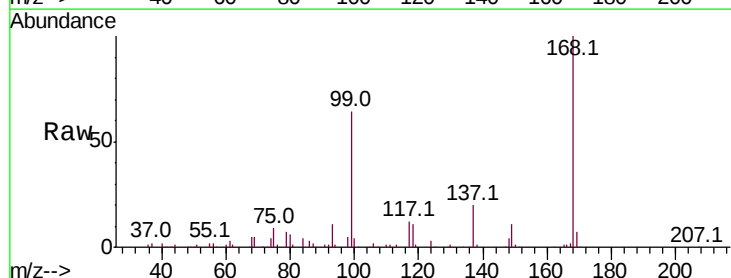
Instrument :
 MSVOA_D
 ClientSampled :
 Q-2

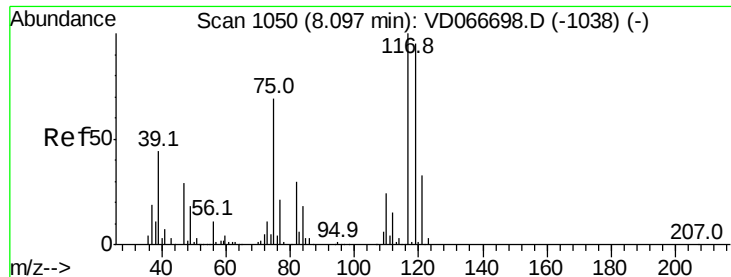
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.2	124.8
192	17.9	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 4.359 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066792.D
 Acq: 21 Sep 2020 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.1	51.2#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.478 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

Instrument :

MSVOA_D

ClientSampled :

Q-2

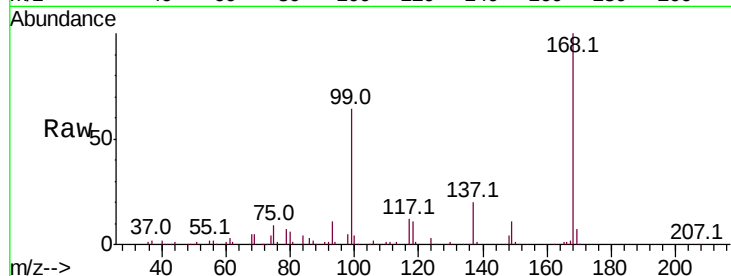
Tot Ion:117 Resp: 43698

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

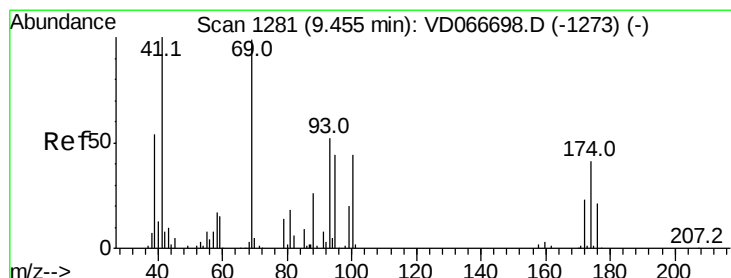
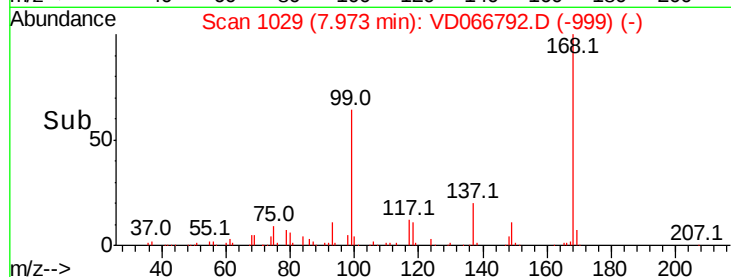
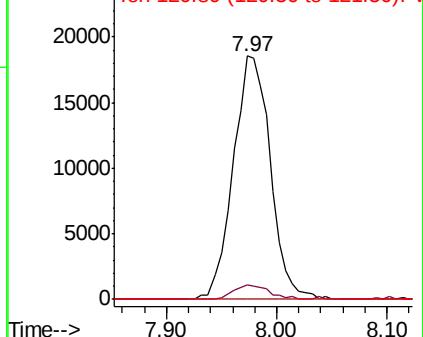
121 0.0 26.2 39.4#



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: 2.096 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

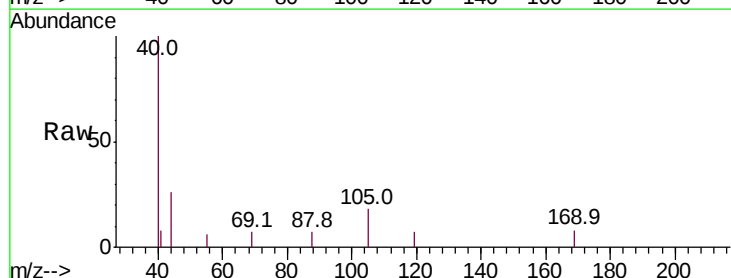
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 29.3 43.9#

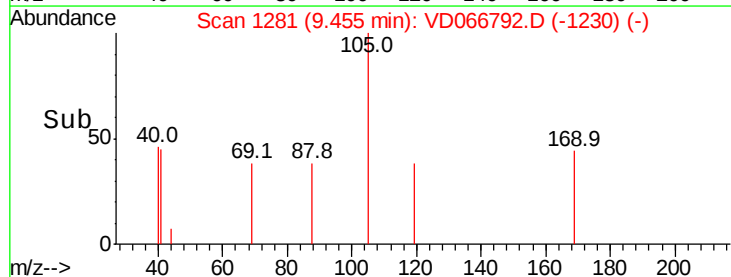
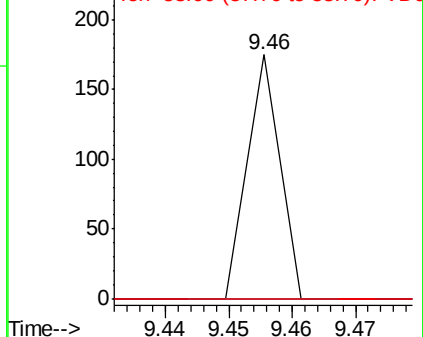
58 0.0 51.4 77.2#

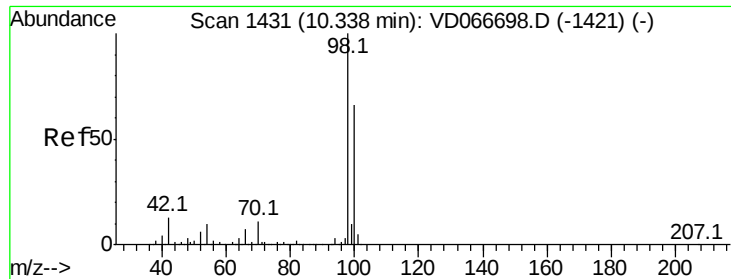


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 56.001 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

Instrument :

MSVOA_D

ClientSampled :

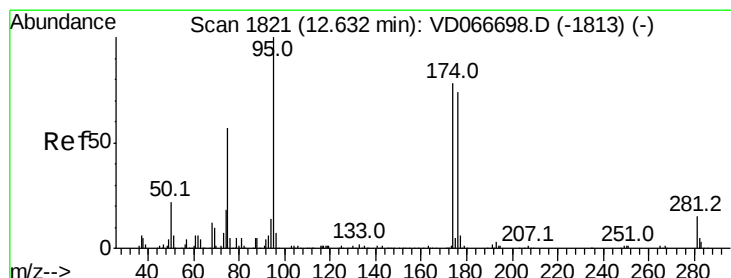
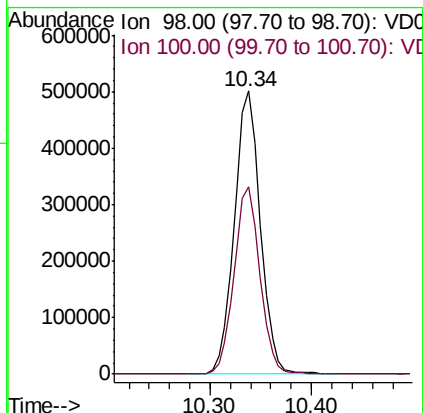
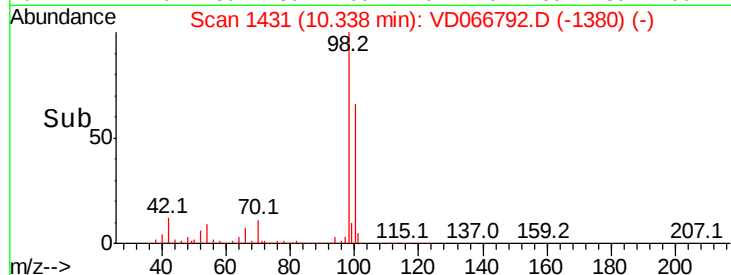
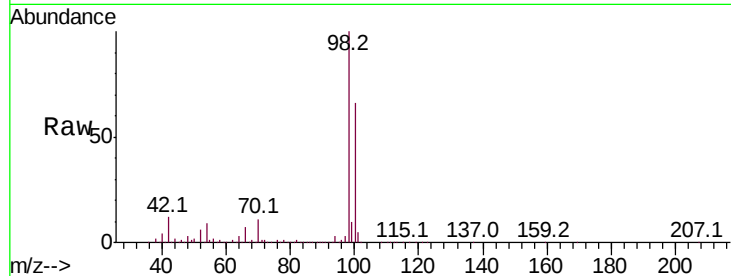
Q-2

Tot Ion: 98 Resp: 893743

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 58.677 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

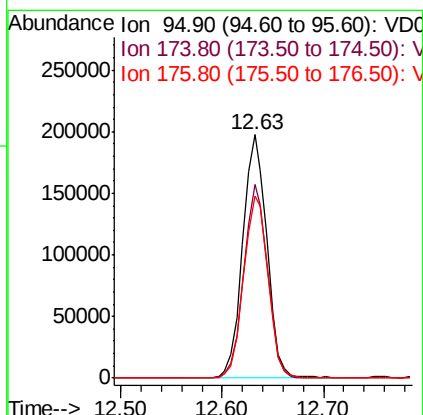
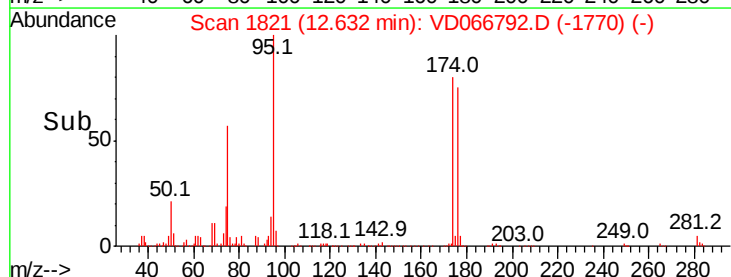
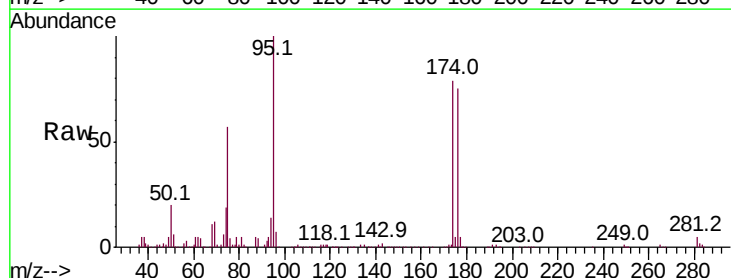
Tgt Ion: 95 Resp: 323250

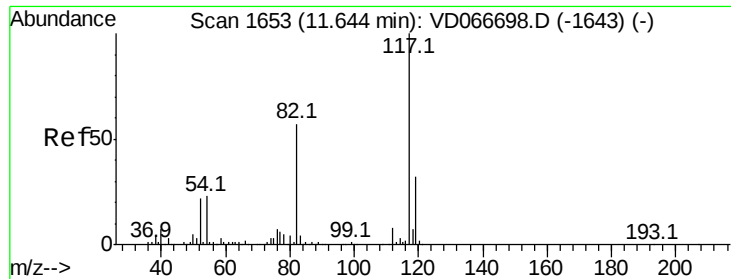
Ion Ratio Lower Upper

95 100

174 78.4 0.0 156.6

176 76.0 0.0 150.2

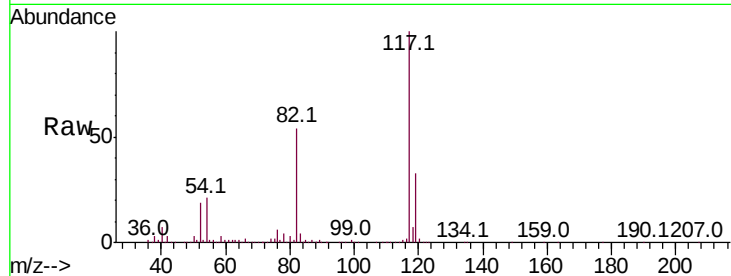




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066792.D
Acq: 21 Sep 2020 19:32

Instrument :
MSVOA_D
ClientSampleId :
Q-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.4	68.0
119	32.6	25.8	38.6

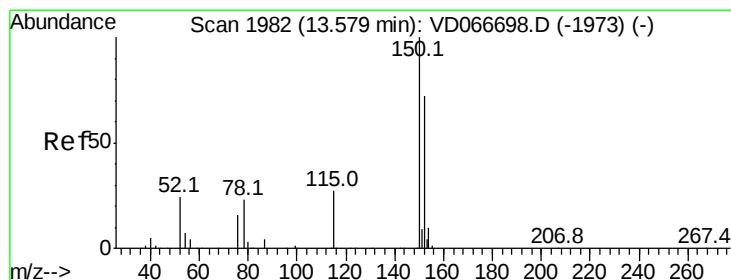
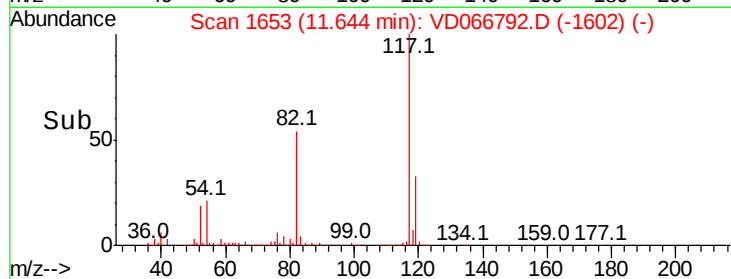
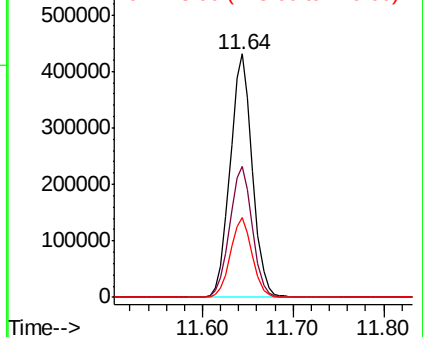


Abundance

Ion 116.90 (116.60 to 117.60): V

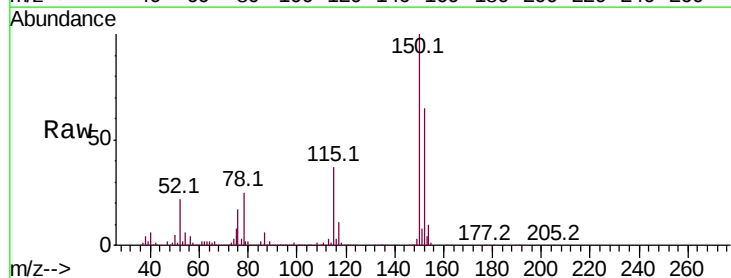
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066792.D
Acq: 21 Sep 2020 19:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.5	91.5
150	156.1	0.0	344.6

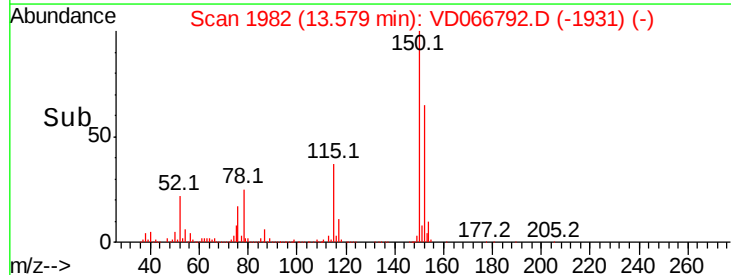
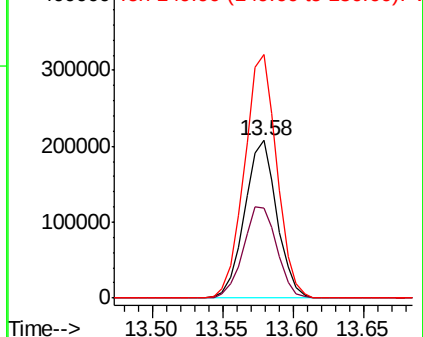


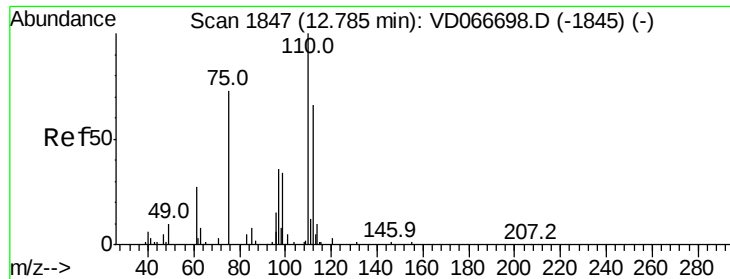
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 61.907 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

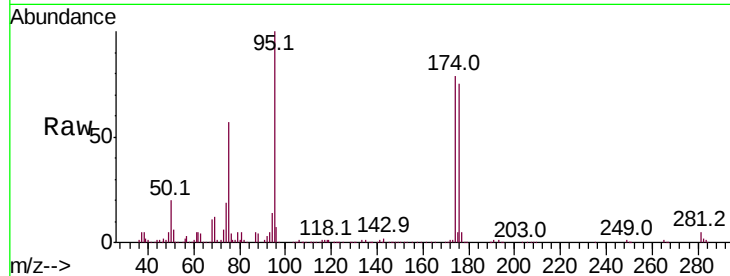
Q-2

Tot Ion: 75 Resp: 175138

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

12.63

120000

100000

80000

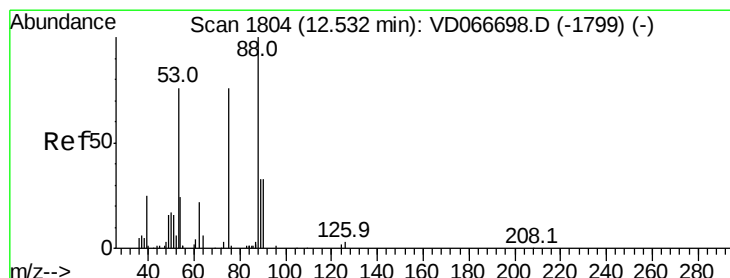
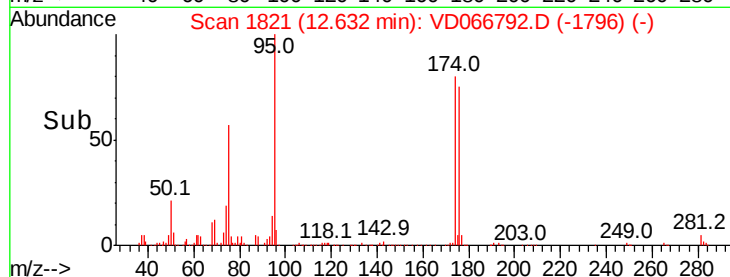
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 133.606 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066792.D

Acq: 21 Sep 2020 19:32

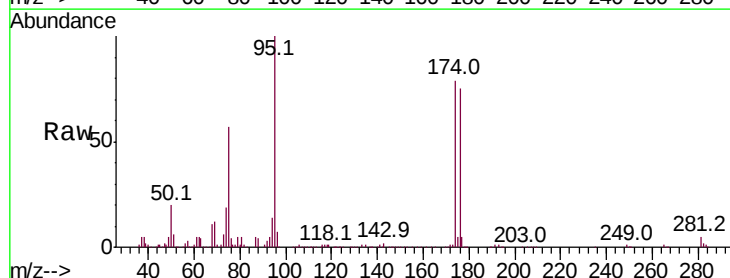
Tgt Ion: 75 Resp: 175138

Ion Ratio Lower Upper

75 100

53 0.3 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

150000

100000

50000

0

Time-->

