

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066726.D
 Acq On : 16 Sep 2020 18:16
 Operator : VA/SY
 Sample : L4015-14
 Misc : 8.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 REACTOR-5W

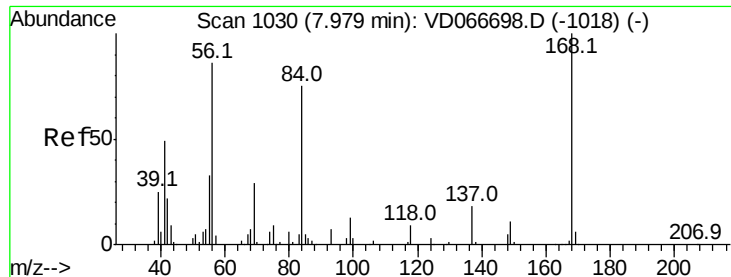
Quant Time: Sep 17 00:52:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	372788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	684017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	655351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279441	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	229392	57.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.34%	
35) Dibromofluoromethane	7.91	113	232915	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
50) Toluene-d8	10.34	98	847955	56.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.50%	
62) 4-Bromofluorobenzene	12.63	95	272630	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	1310	1.617	ug/l	90
18) Methyl Acetate	4.89	43	58	Below Cal	#	52
20) Methylene Chloride	4.96	84	54093	5.936	ug/l #	91
31) Cyclohexane	7.97	56	11121	1.583	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	34627	4.924	ug/l #	50
38) Carbon Tetrachloride	7.97	117	41425	5.547	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	3808	1.476	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	154458	64.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	154458	139.365	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

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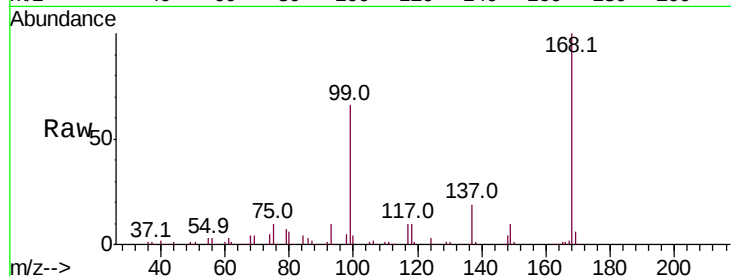
REACTOR-5W

Tot Ion:168 Resp: 372788

Ion Ratio Lower Upper

168 100

99 65.9 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

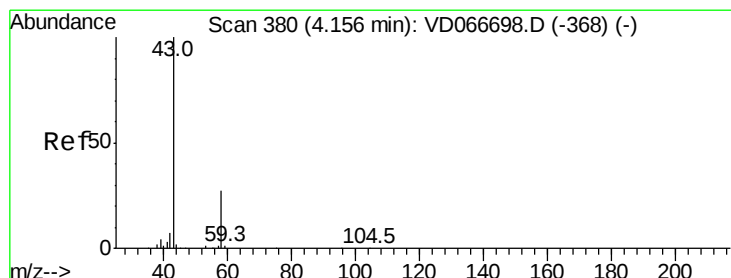
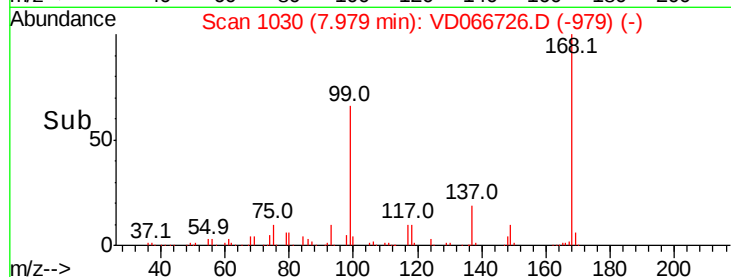
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.617 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066726.D

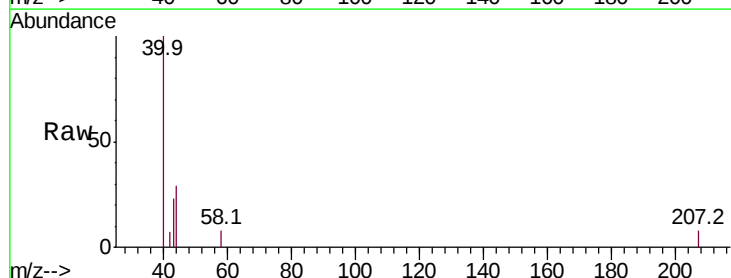
Acq: 16 Sep 2020 18:16

Tgt Ion: 43 Resp: 1310

Ion Ratio Lower Upper

43 100

58 32.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

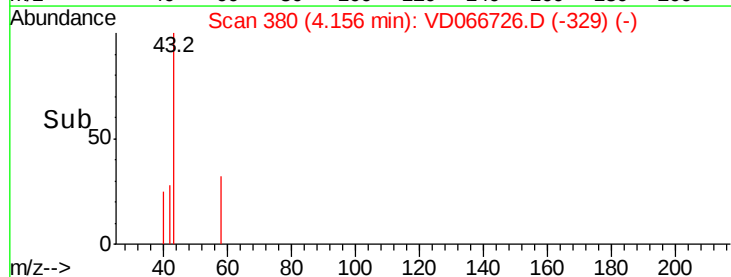
600

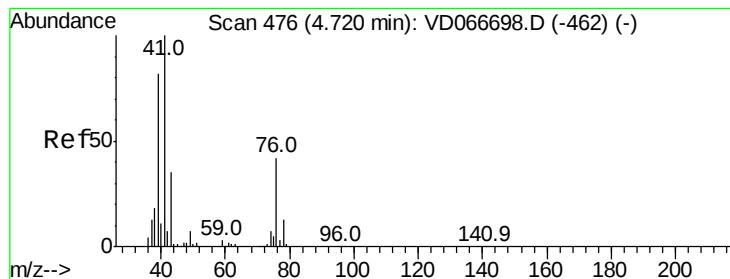
400

200

0

Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 4.89 min Scan# 504

Delta R.T. 0.17 min

Lab File: VD066726.D

Acq: 16 Sep 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

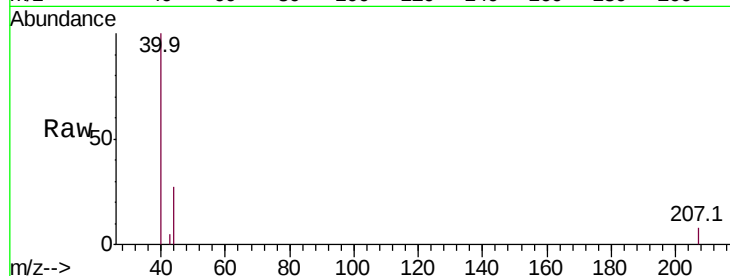
REACTOR-5W

Tot Ion: 43 Resp: 58

Ion Ratio Lower Upper

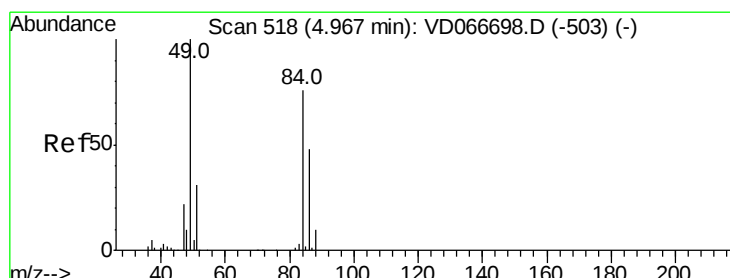
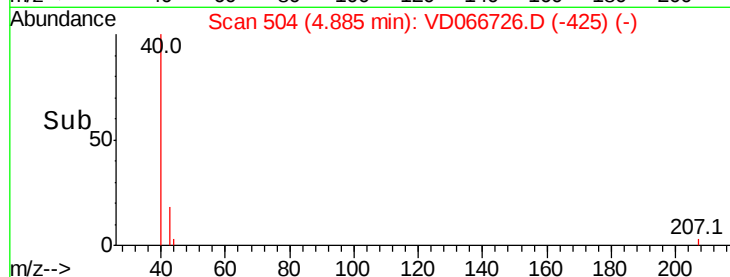
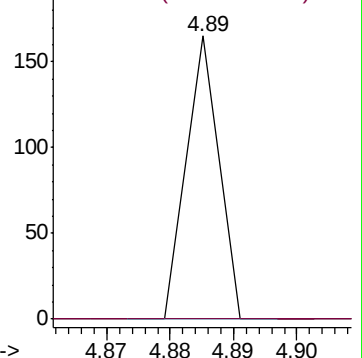
43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 5.936 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066726.D

Acq: 16 Sep 2020 18:16

Tgt Ion: 84 Resp: 54093

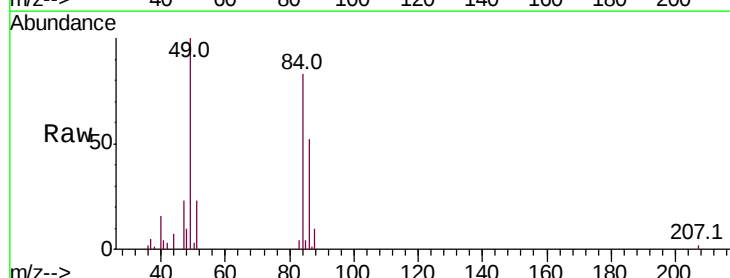
Ion Ratio Lower Upper

84 100

49 120.5 105.0 157.6

51 27.7 32.2 48.4#

86 62.5 50.4 75.6

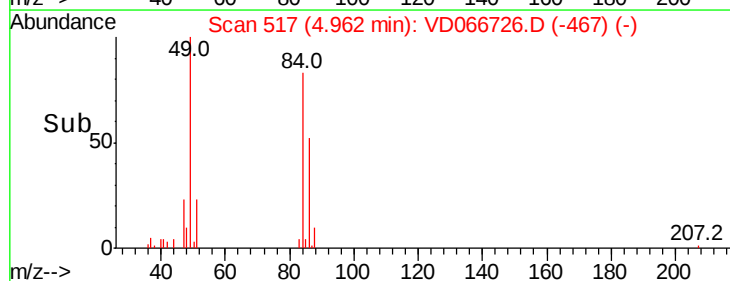
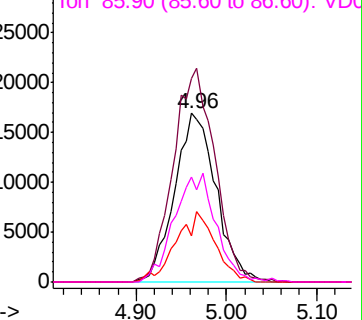


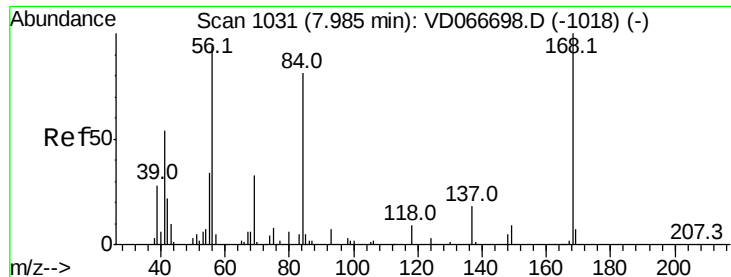
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

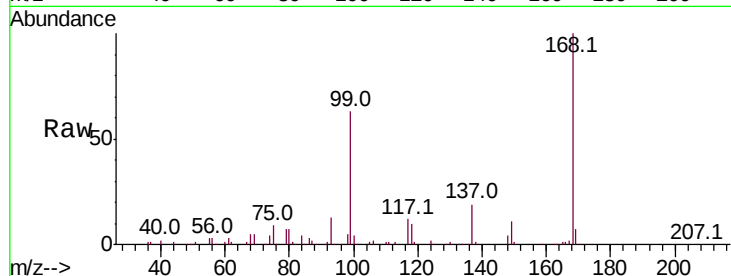




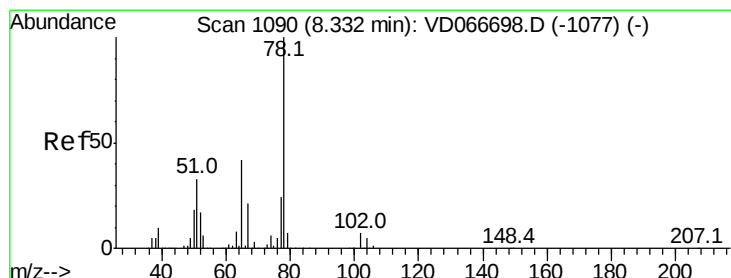
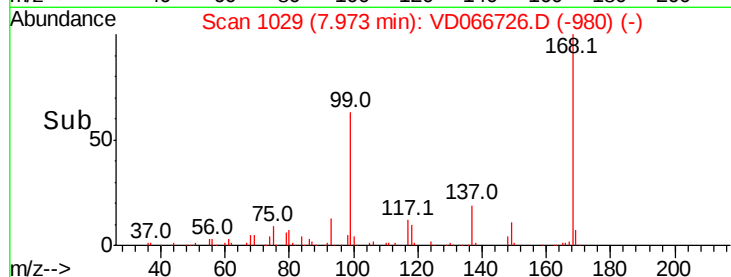
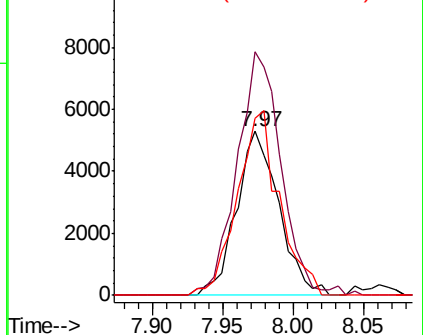
#31
Cyclohexane
Concen: 1.583 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066726.D
Acq: 16 Sep 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
REACTOR-5W

Tot Ion: 56 Resp: 11121
Ion Ratio Lower Upper
56 100
69 148.4 27.7 41.5#
84 107.7 68.5 102.7#

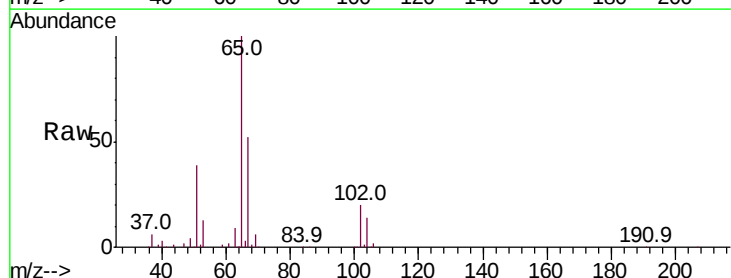


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

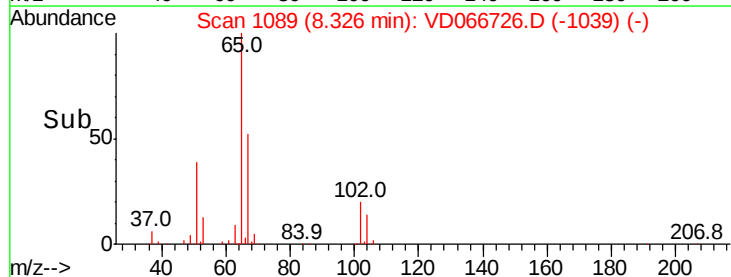
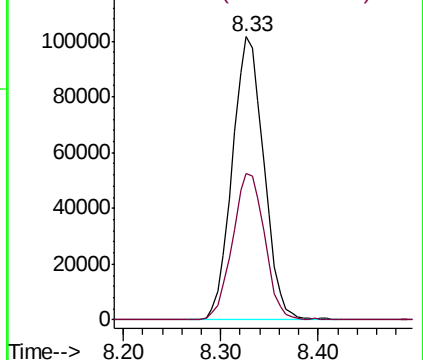


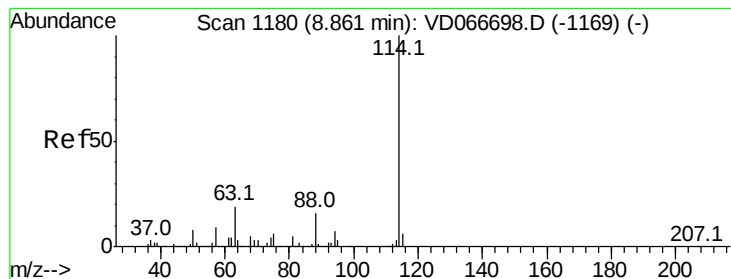
#33
1,2-Dichloroethane-d4
Concen: 57.674 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066726.D
Acq: 16 Sep 2020 18:16

Tgt Ion: 65 Resp: 229392
Ion Ratio Lower Upper
65 100
67 52.7 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: VD066726.D

Acq: 16 Sep 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-5W

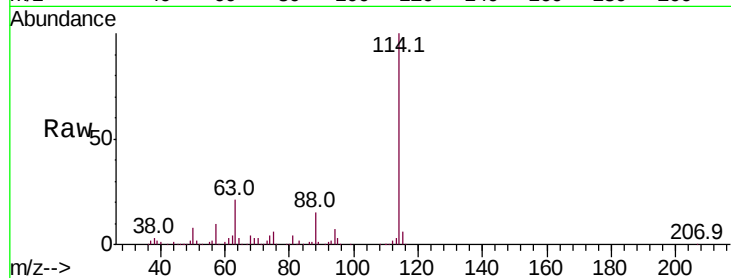
Tot Ion:114 Resp: 684017

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.6

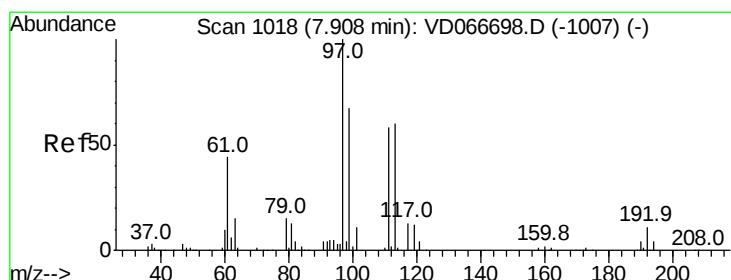
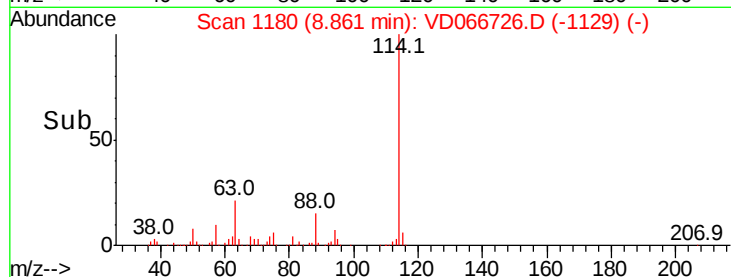
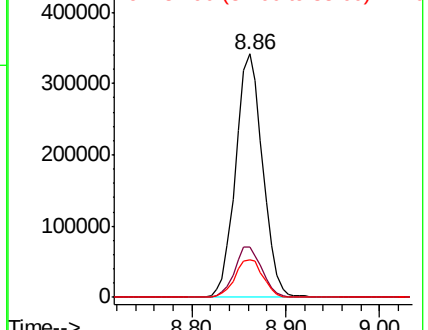
88 15.3 0.0 32.2



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: 55.540 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066726.D

Acq: 16 Sep 2020 18:16

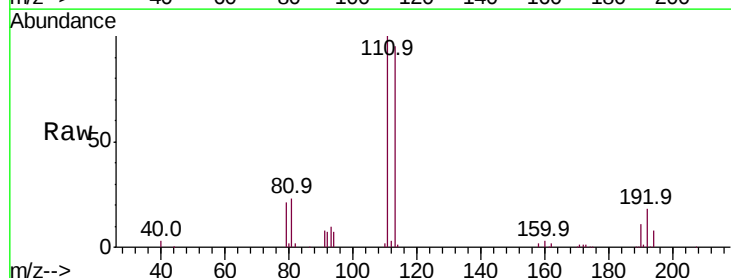
Tgt Ion:113 Resp: 232915

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

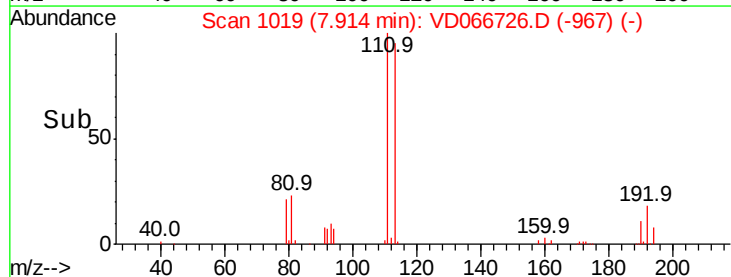
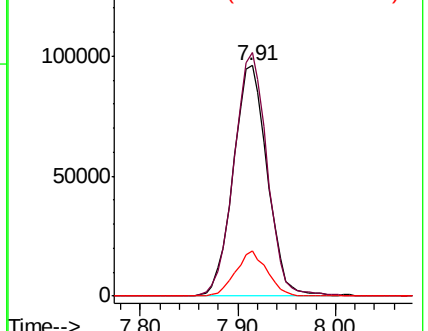
192 18.1 14.8 22.2

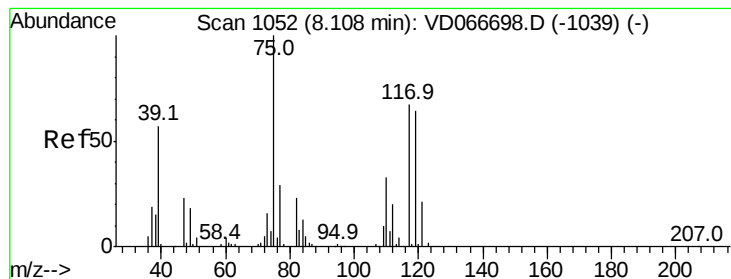


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.924 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066726.D

Acq: 16 Sep 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-5W

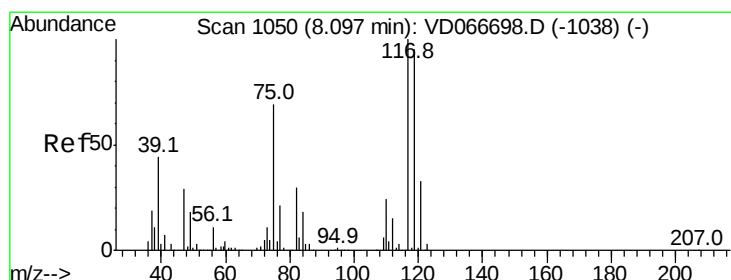
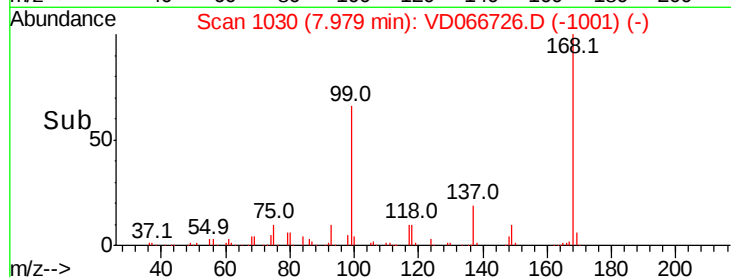
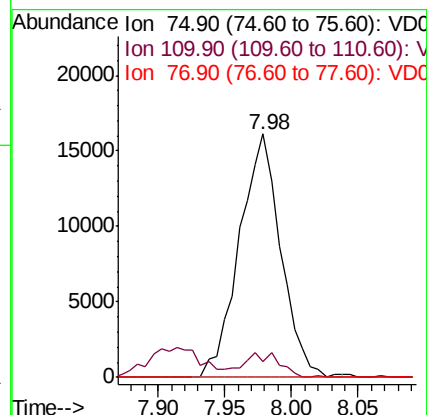
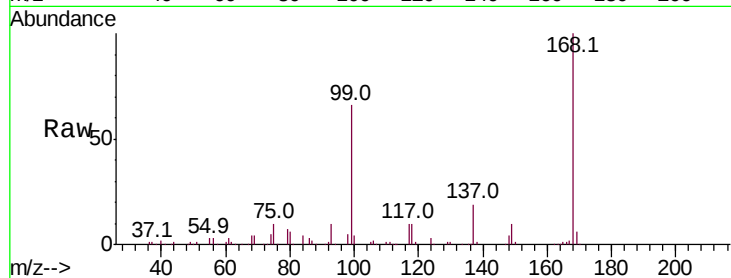
Tot Ion: 75 Resp: 34627

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.547 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066726.D

Acq: 16 Sep 2020 18:16

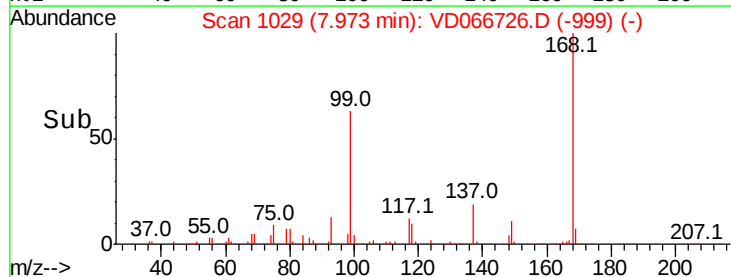
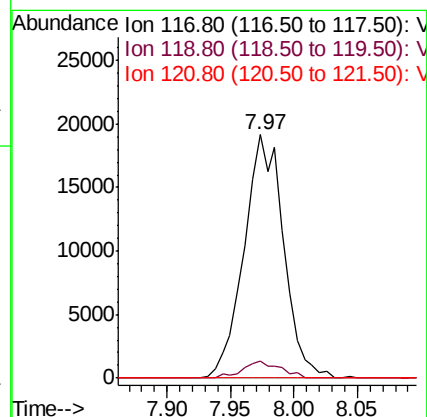
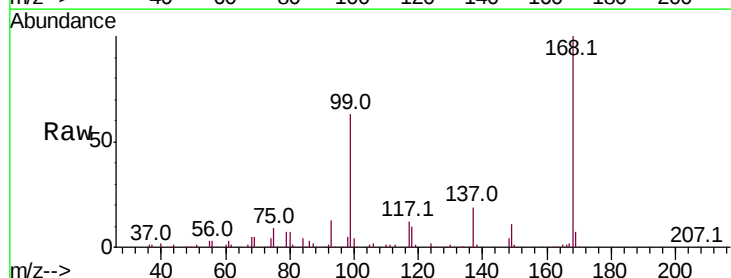
Tgt Ion: 117 Resp: 41425

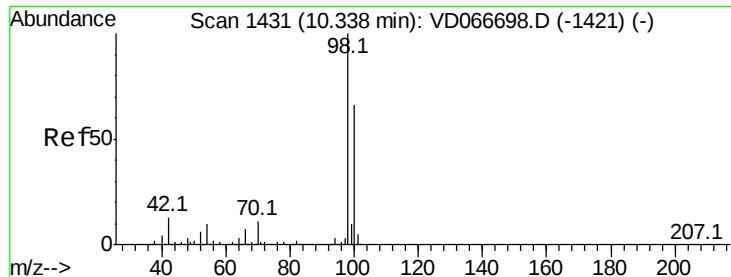
Ion Ratio Lower Upper

117 100

119 7.1 75.8 113.6#

121 0.0 26.2 39.4#

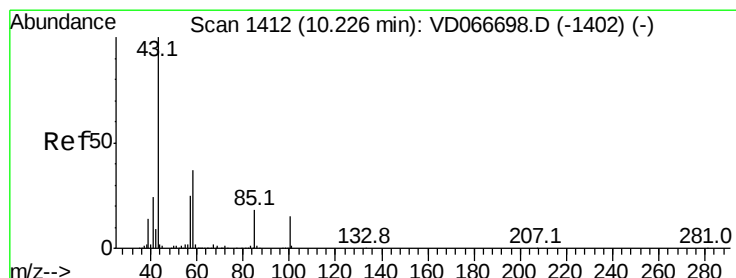
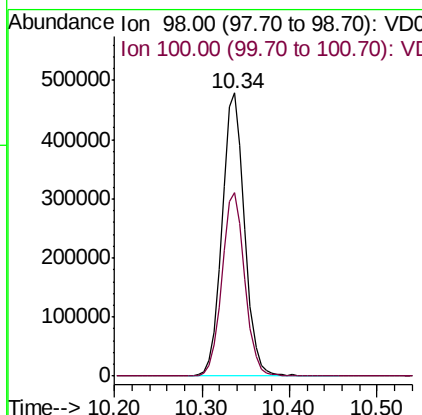
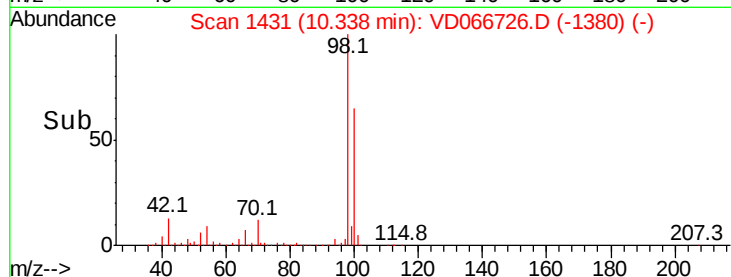
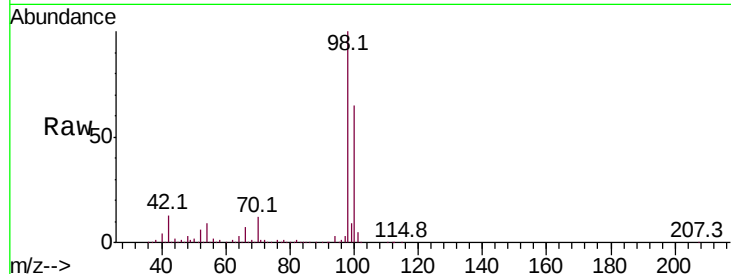




#50
Toluene-d8
Concen: 56.753 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066726.D
Acq: 16 Sep 2020 18:16

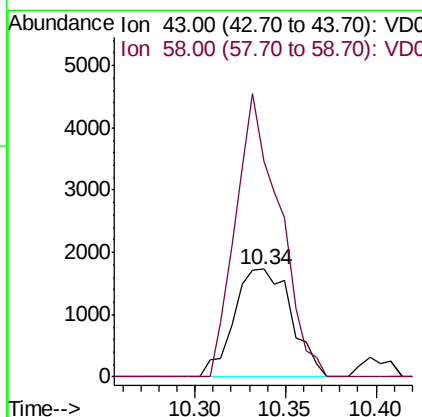
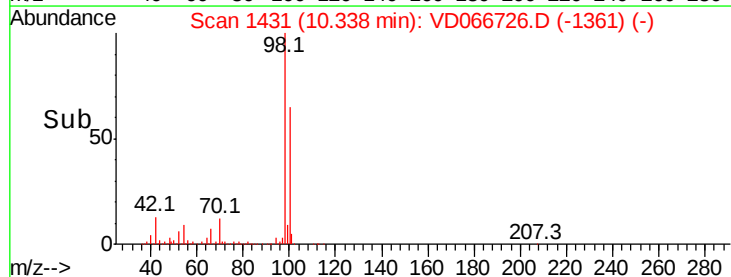
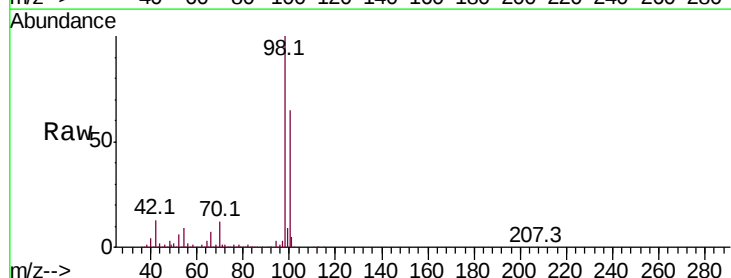
Instrument :
MSVOA_D
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REACTOR-5W

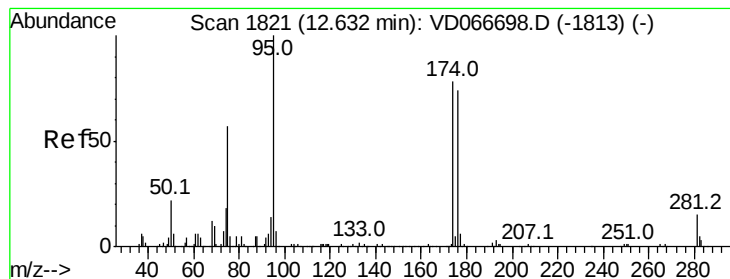
Tot Ion: 98 Resp: 847955
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.476 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066726.D
Acq: 16 Sep 2020 18:16

Tgt Ion: 43 Resp: 3808
Ion Ratio Lower Upper
43 100
58 201.2 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 52.861 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066726.D

Acq: 16 Sep 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-5W

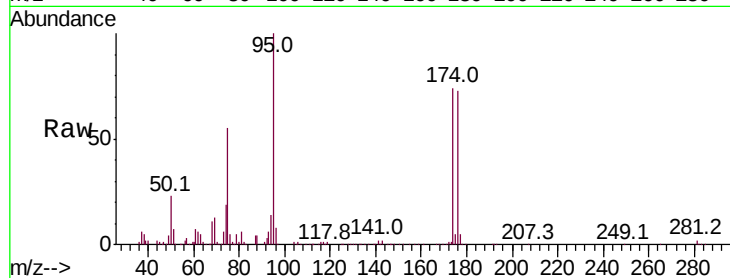
Tot Ion: 95 Resp: 272630

Ion Ratio Lower Upper

95 100

174 77.6 0.0 156.6

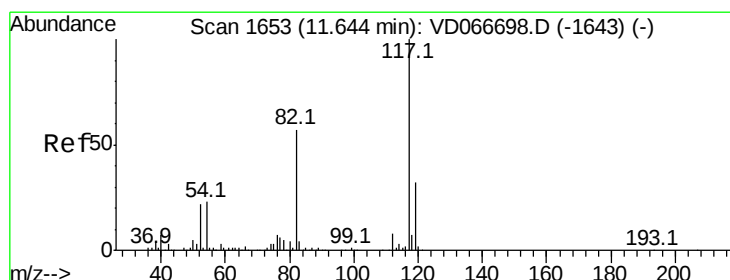
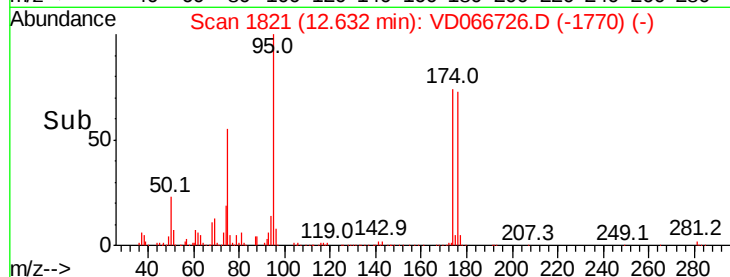
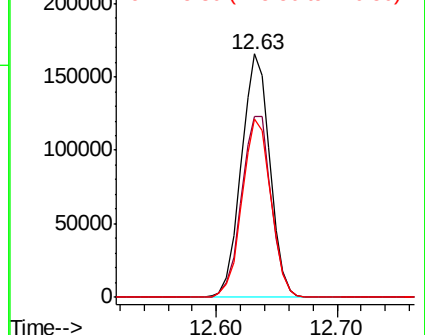
176 74.2 0.0 150.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066726.D

Acq: 16 Sep 2020 18:16

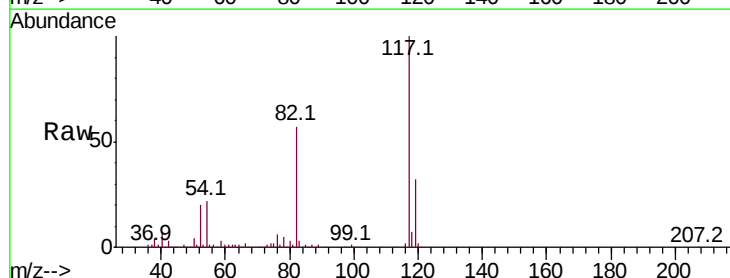
Tgt Ion: 117 Resp: 655351

Ion Ratio Lower Upper

117 100

82 56.6 45.4 68.0

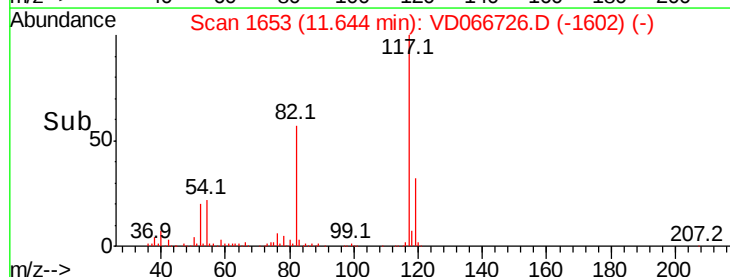
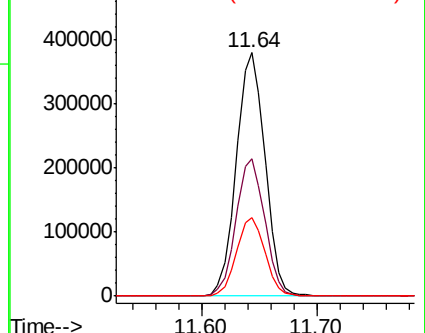
119 32.3 25.8 38.6

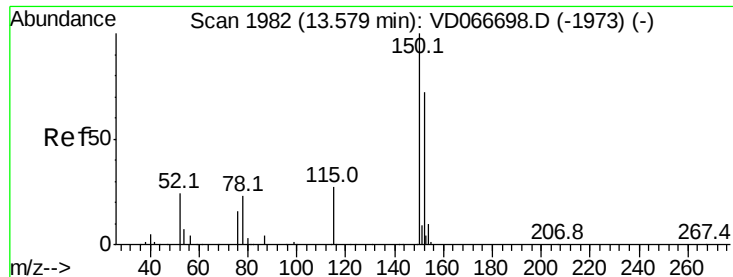


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066726.D

Acq: 16 Sep 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-5W

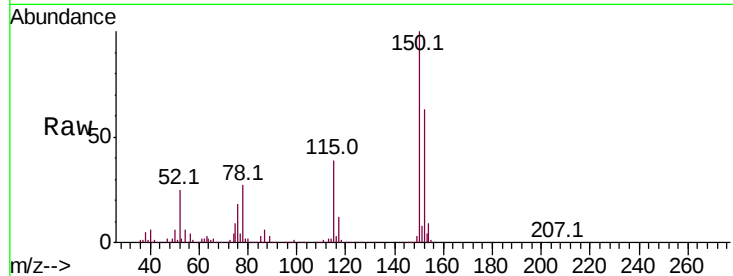
Tot Ion:152 Resp: 279441

Ion Ratio Lower Upper

152 100

115 61.7 30.5 91.5

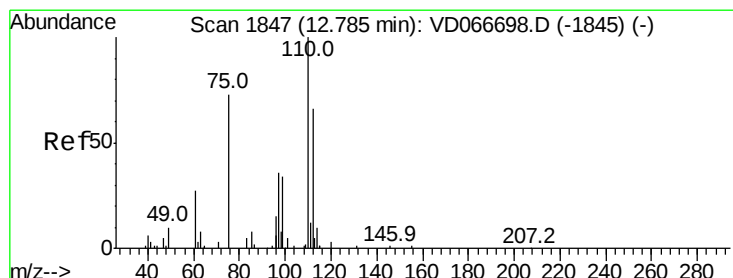
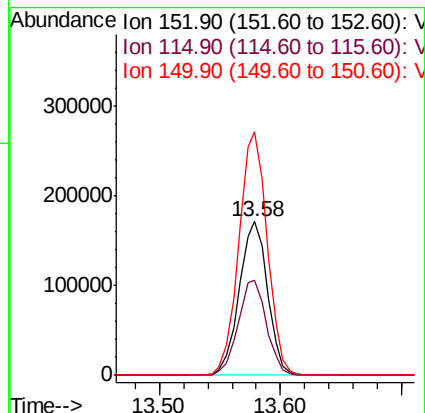
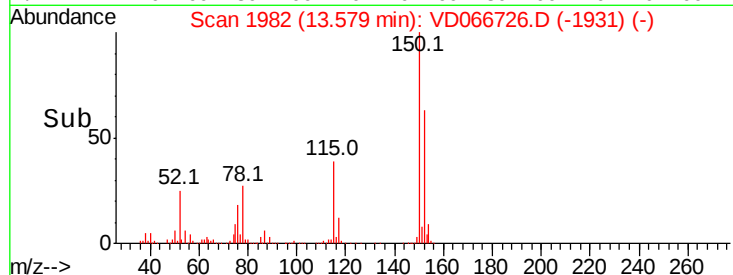
150 158.7 0.0 344.6



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: 64.575 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066726.D

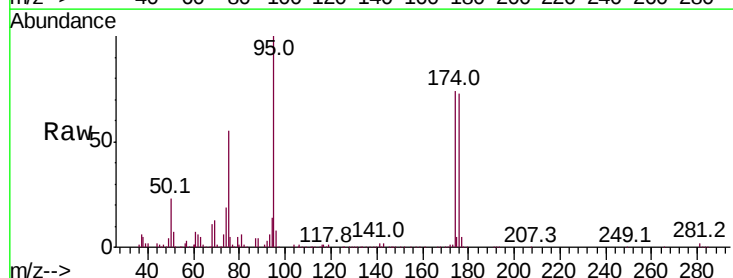
Acq: 16 Sep 2020 18:16

Tgt Ion: 75 Resp: 154458

Ion Ratio Lower Upper

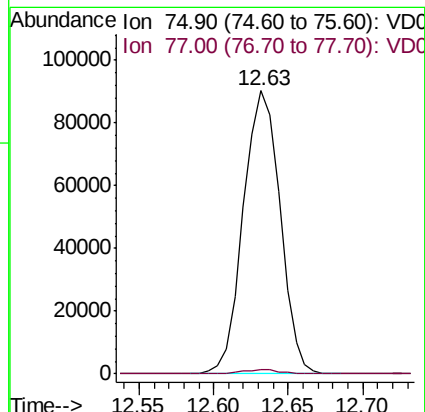
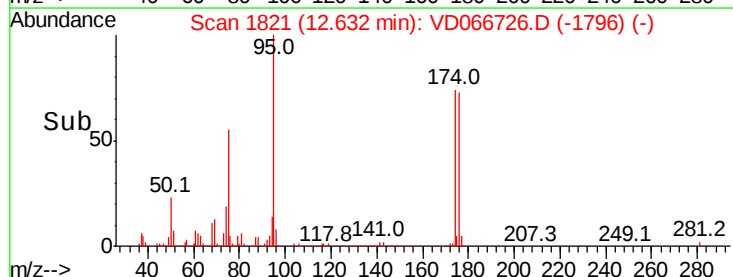
75 100

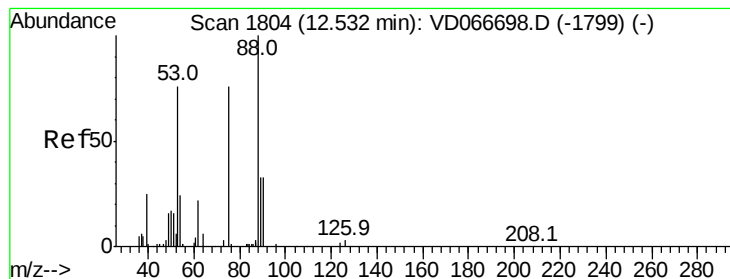
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 139.365 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066726.D

Acq: 16 Sep 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-5W

Tot Ion: 75 Resp: 154458

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#

