

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066423.D
 Acq On : 26 Aug 2020 16:27
 Operator : VA/SY
 Sample : L3793-22
 Misc : 6.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-8

Quant Time: Aug 27 07:29:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	198362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	285617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	264461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	139212	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	110608	56.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.76%	
35) Dibromofluoromethane	7.91	113	90953	50.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.86%	
50) Toluene-d8	10.34	98	340653	52.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.63	95	116168	50.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.20%	

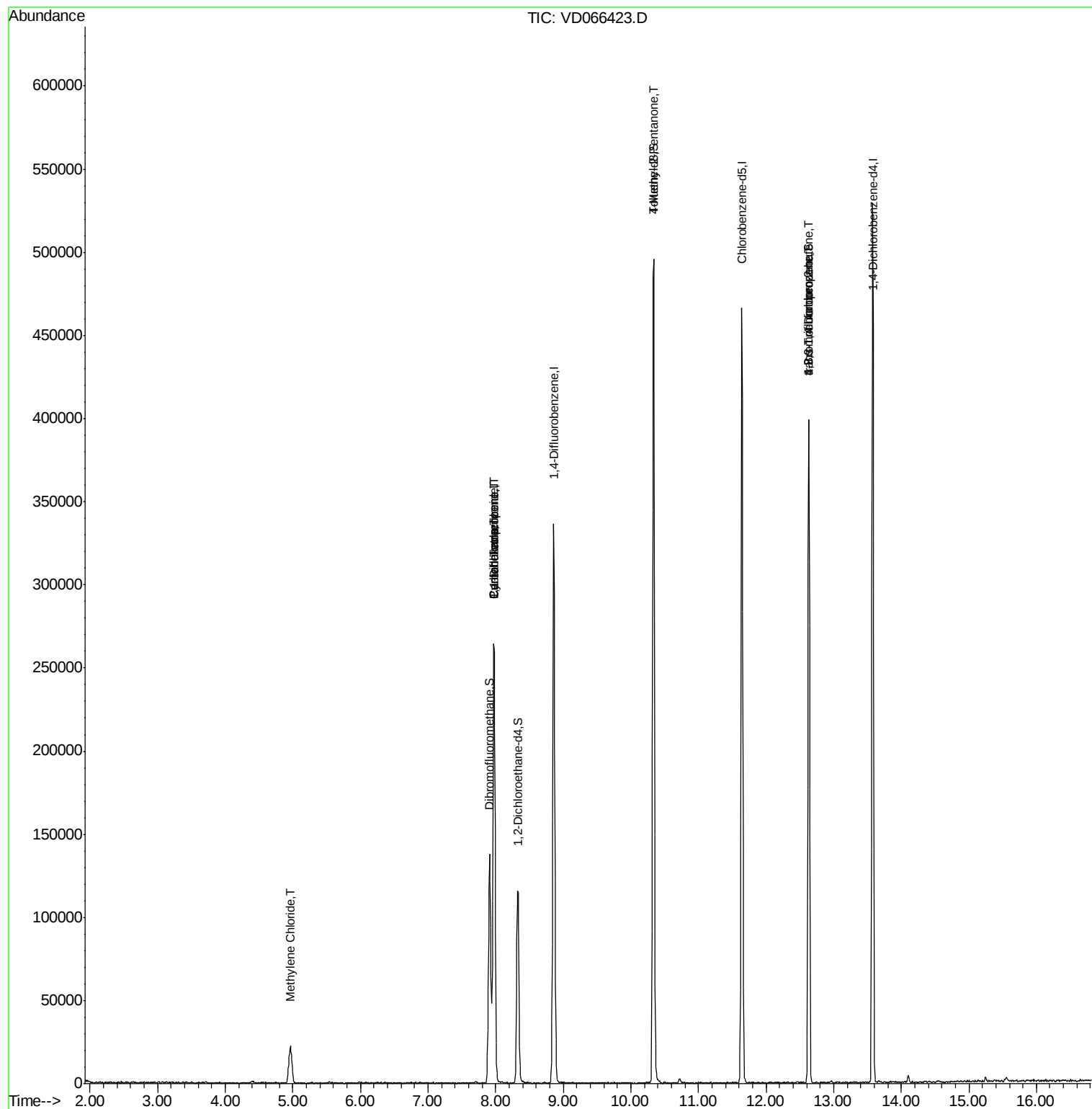
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.96	84	17401	3.384	ug/l #	80
31) Cyclohexane	7.98	56	4117	1.525	ug/l #	40
36) 1,1-Dichloropropene	7.97	75	13969	5.360	ug/l #	53
38) Carbon Tetrachloride	7.97	117	21066	6.204	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	1394	1.620	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	68872	70.323	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	68872	149.274	ug/l #	6

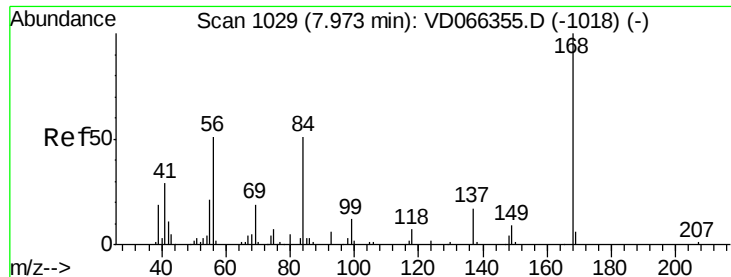
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082620\
Data File : VD066423.D
Acq On : 26 Aug 2020 16:27
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Sample : L3793-22
Misc : 6.69G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-8

Quant Time: Aug 27 07:29:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066423.D

Acq: 26 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

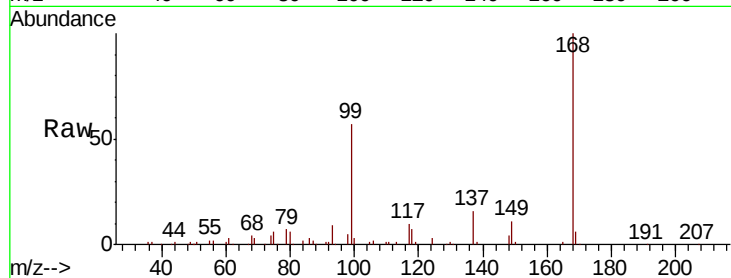
TP-8

Tot Ion:168 Resp: 198362

Ion Ratio Lower Upper

168 100

99 57.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

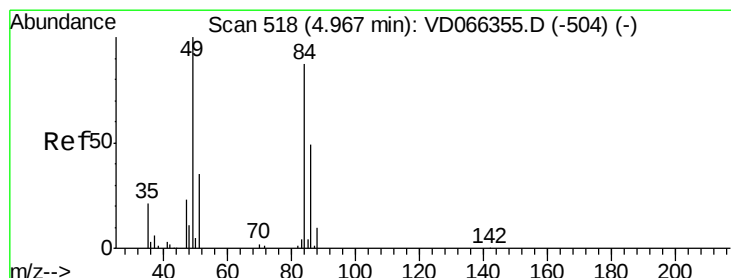
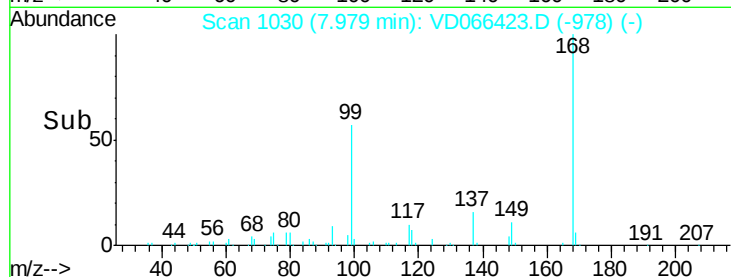
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 3.384 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066423.D

Acq: 26 Aug 2020 16:27

Tgt Ion: 84 Resp: 17401

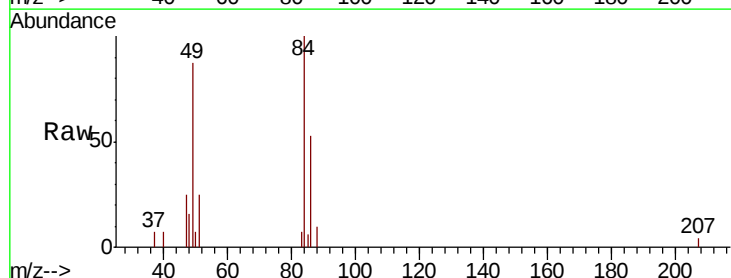
Ion Ratio Lower Upper

84 100

49 87.3 92.5 138.7#

51 24.9 32.5 48.7#

86 53.4 45.0 67.6



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

8000

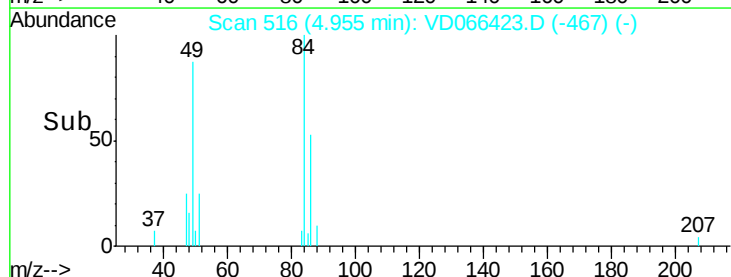
6000

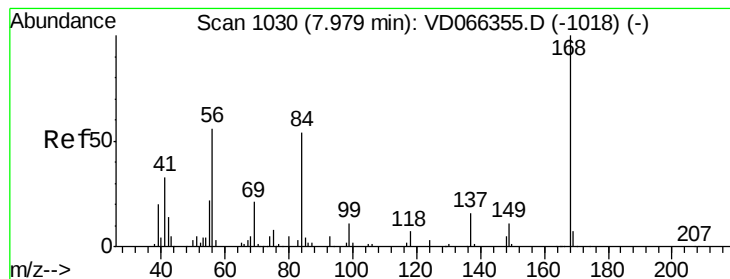
4000

2000

0

Time-->





#31

Cyclohexane

Concen: 1.525 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066423.D

Acq: 26 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

TP-8

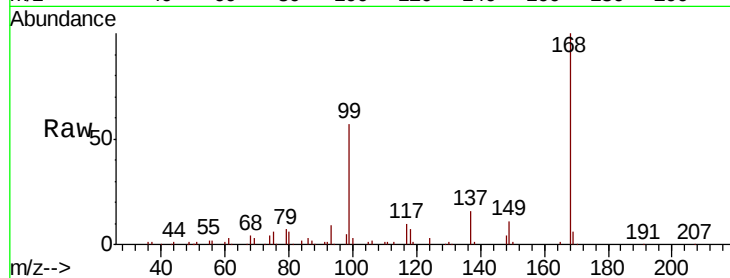
Tot Ion: 56 Resp: 4117

Ion Ratio Lower Upper

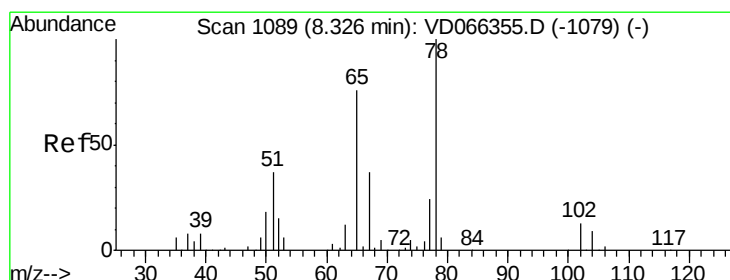
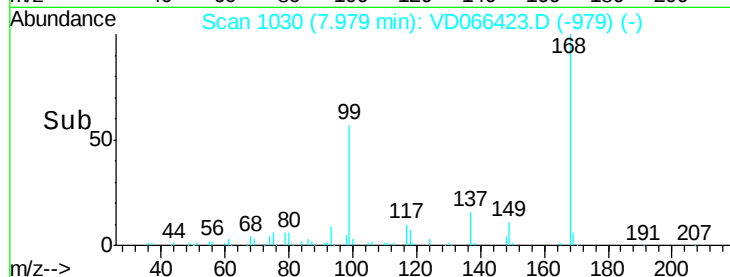
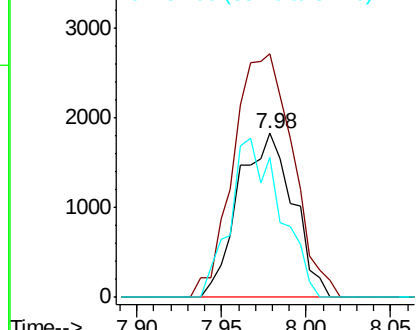
56 100

69 148.3 29.6 44.4#

84 85.3 76.6 115.0



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: 56.876 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066423.D

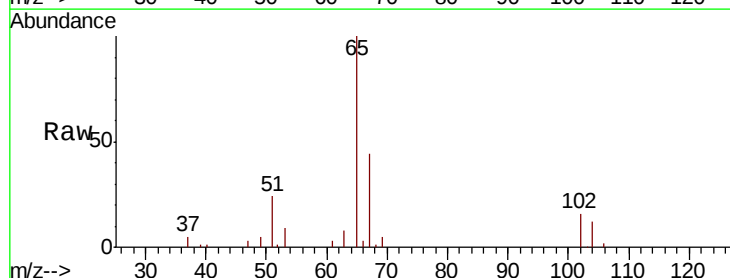
Acq: 26 Aug 2020 16:27

Tgt Ion: 65 Resp: 110608

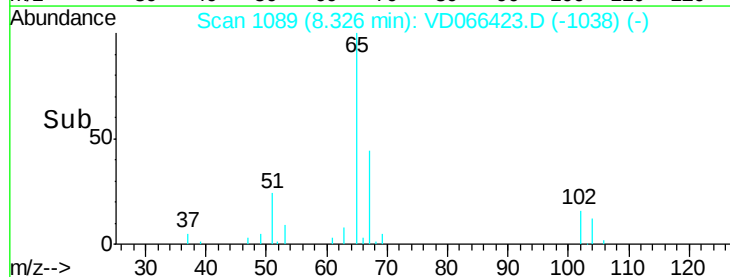
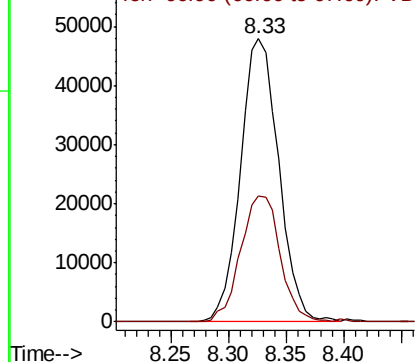
Ion Ratio Lower Upper

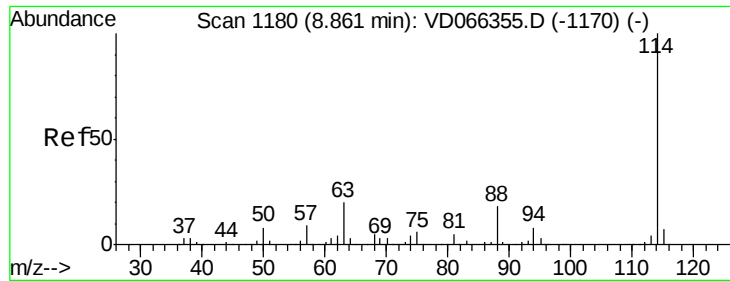
65 100

67 45.9 0.0 101.6



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

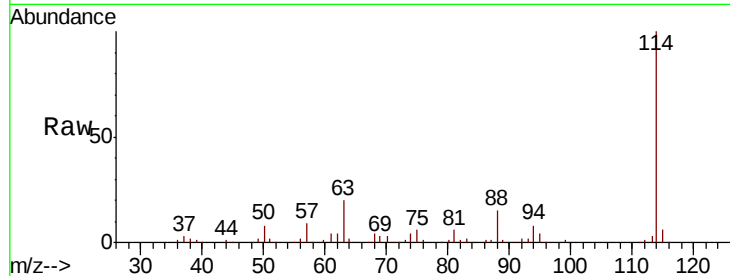




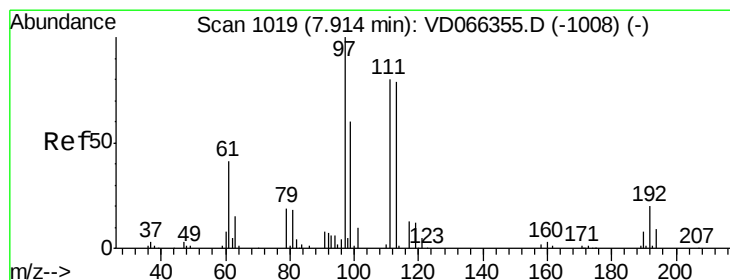
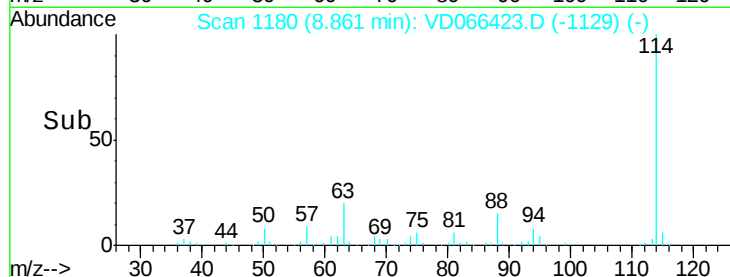
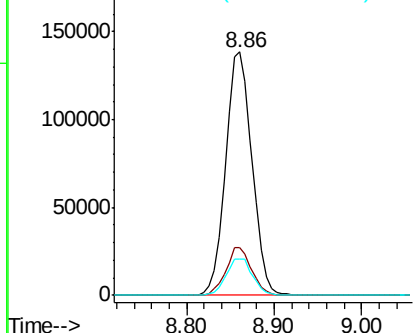
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066423.D
 Acq: 26 Aug 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.1	0.0	35.4

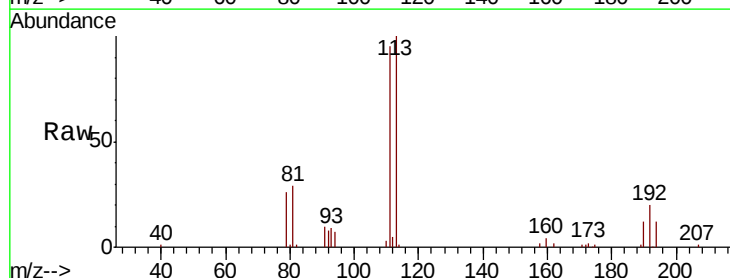


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

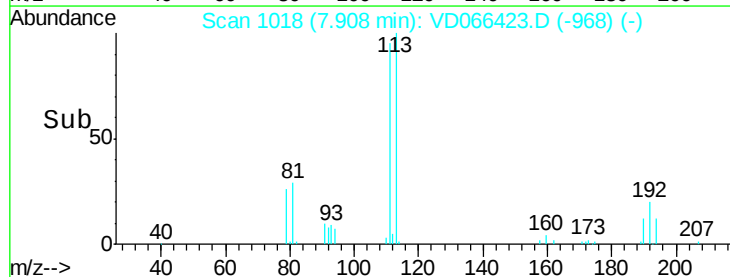
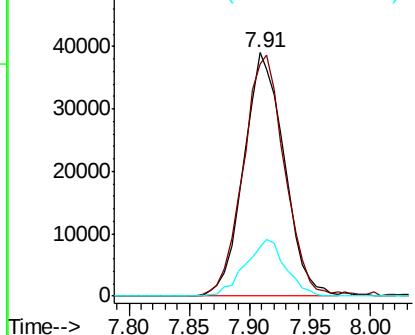


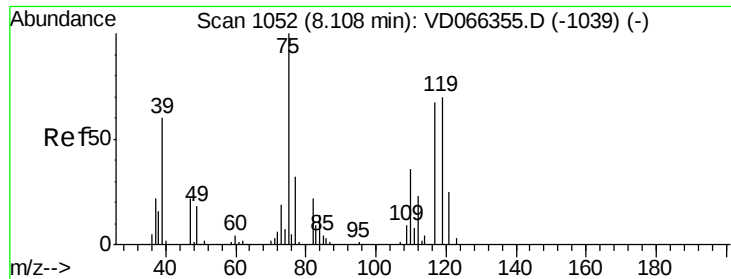
#35
 Dibromofluoromethane
 Concen: 50.926 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066423.D
 Acq: 26 Aug 2020 16:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.3	120.5
192	23.0	19.0	28.6



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

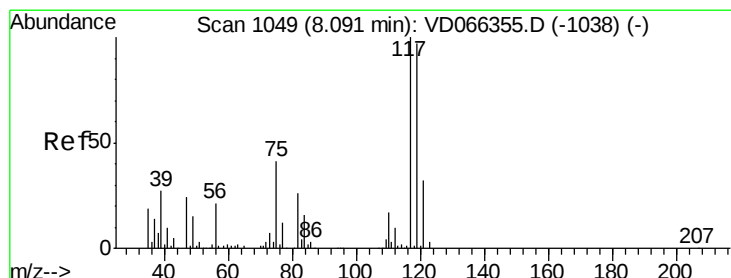
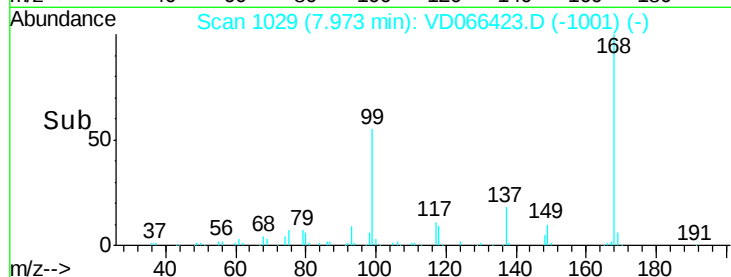
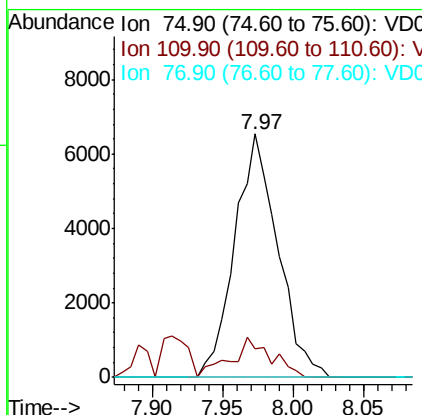
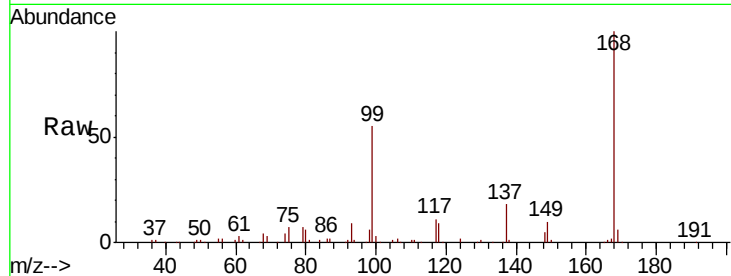




#36
 1,1-Dichloropropene
 Concen: 5.360 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066423.D
 Acq: 26 Aug 2020 16:27

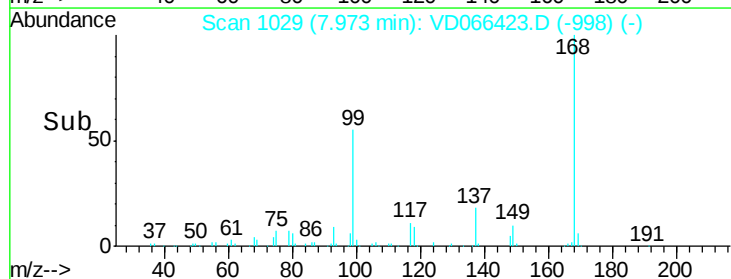
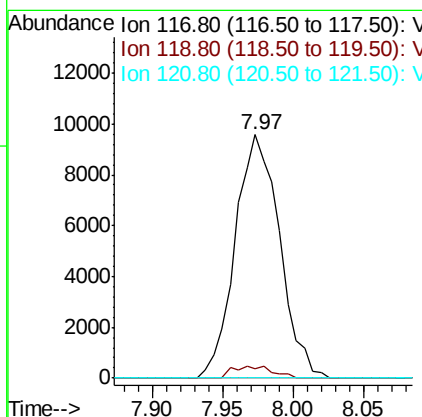
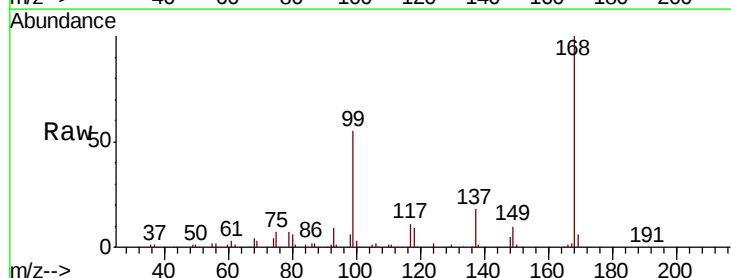
Instrument :
 MSVOA_D
 ClientSampled :
 TP-8

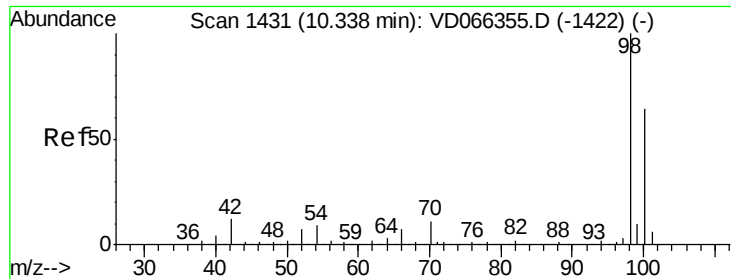
Tot Ion: 75 Resp: 13969
 Ion Ratio Lower Upper
 75 100
 110 14.5 18.7 56.1#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 6.204 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066423.D
 Acq: 26 Aug 2020 16:27

Tgt Ion: 117 Resp: 21066
 Ion Ratio Lower Upper
 117 100
 119 3.9 77.2 115.8#
 121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 52.130 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066423.D

Acq: 26 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampled :

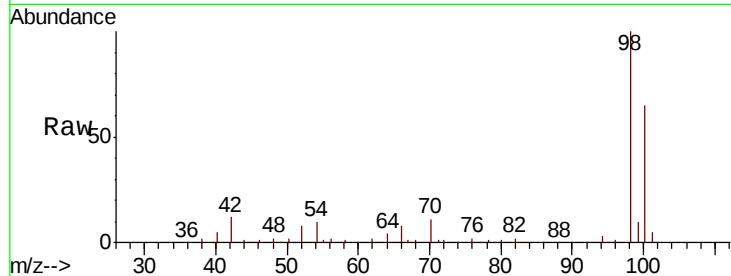
TP-8

Tot Ion: 98 Resp: 340653

Ion Ratio Lower Upper

98 100

100 63.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

200000

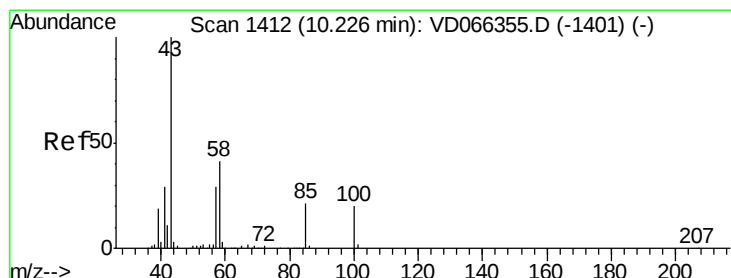
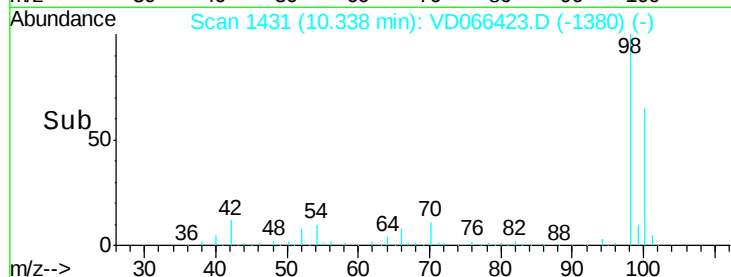
150000

100000

50000

0

Time--> 10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 1.620 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.12 min

Lab File: VD066423.D

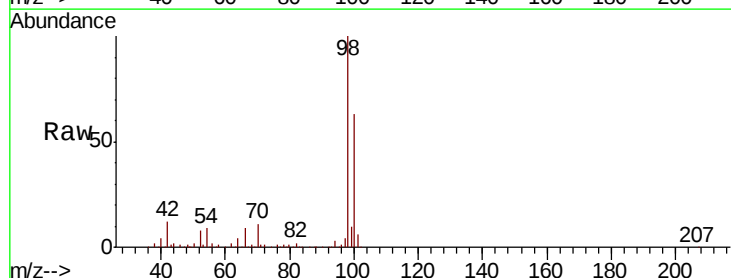
Acq: 26 Aug 2020 16:27

Tgt Ion: 43 Resp: 1394

Ion Ratio Lower Upper

43 100

58 176.3 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

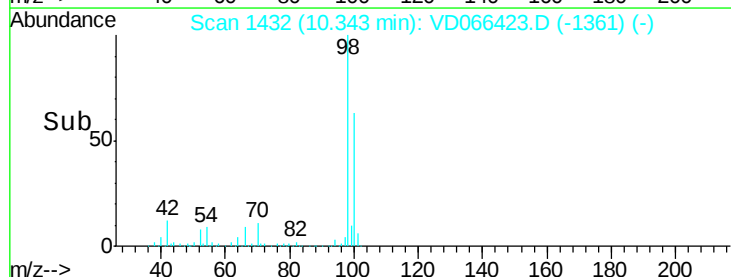
1500

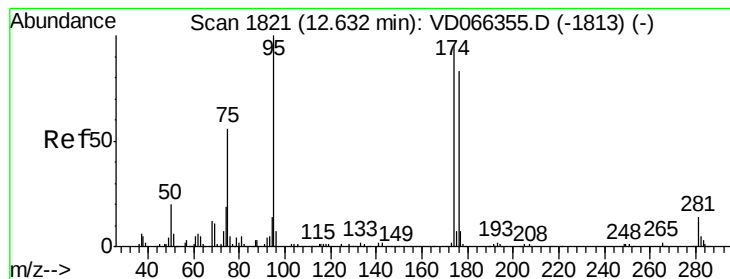
1000

500

0

Time--> 10.30 10.35





#62

4-Bromofluorobenzene

Concen: 50.099 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066423.D

Acq: 26 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

TP-8

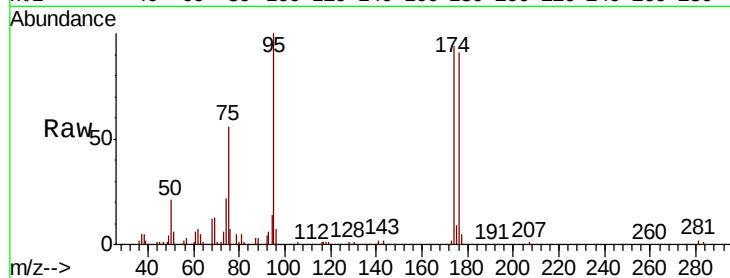
Tot Ion: 95 Resp: 116168

Ion Ratio Lower Upper

95 100

174 97.5 0.0 183.4

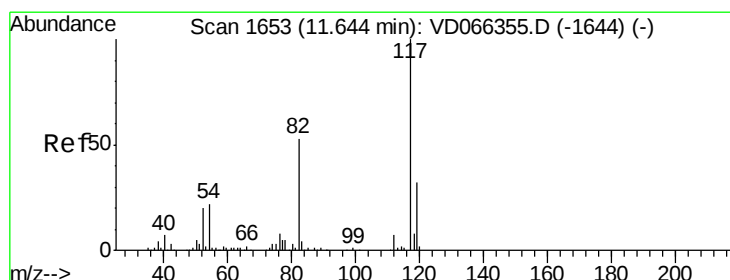
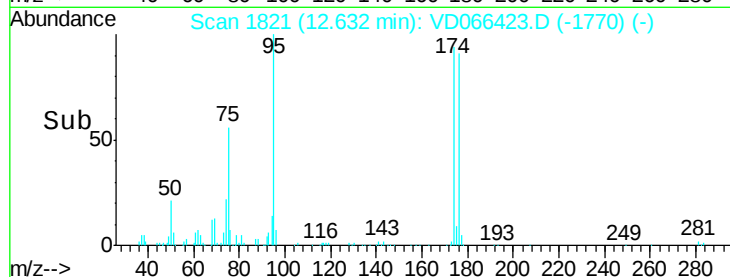
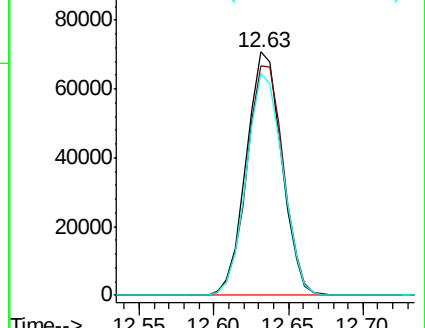
176 93.9 0.0 173.8



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: VD066423.D

Acq: 26 Aug 2020 16:27

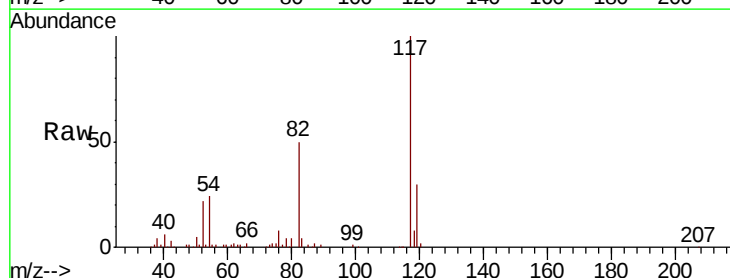
Tgt Ion: 117 Resp: 264461

Ion Ratio Lower Upper

117 100

82 50.2 42.8 64.2

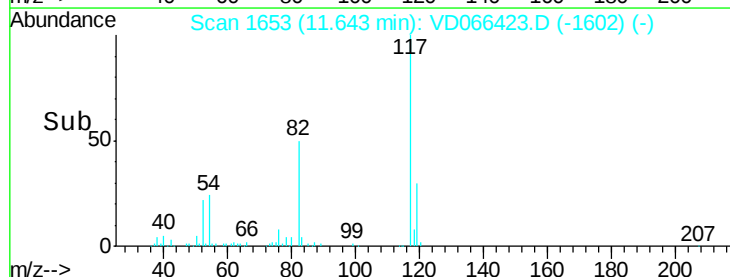
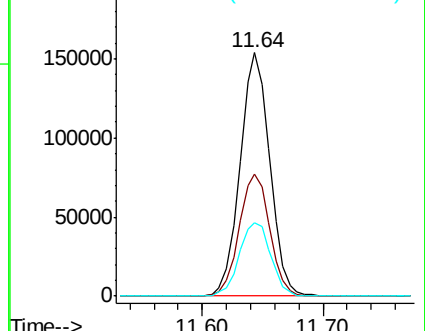
119 30.4 25.8 38.8

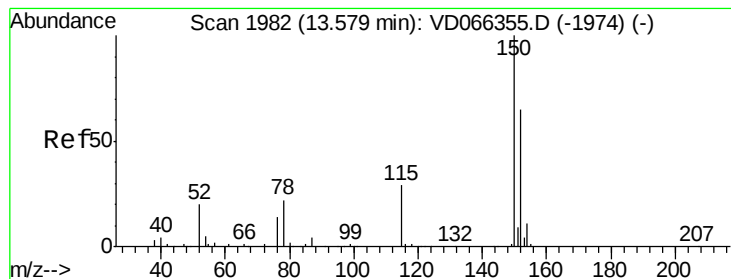


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066423.D

Acq: 26 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

TP-8

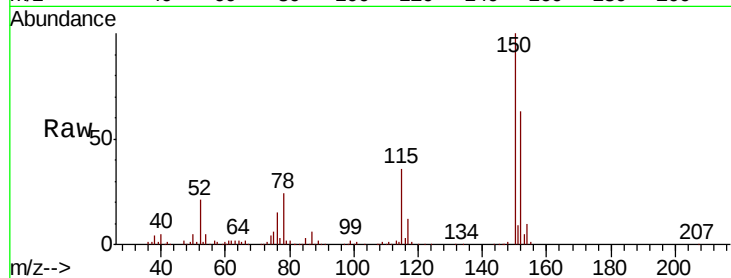
Tot Ion:152 Resp: 139212

Ion Ratio Lower Upper

152 100

115 57.2 28.3 85.0

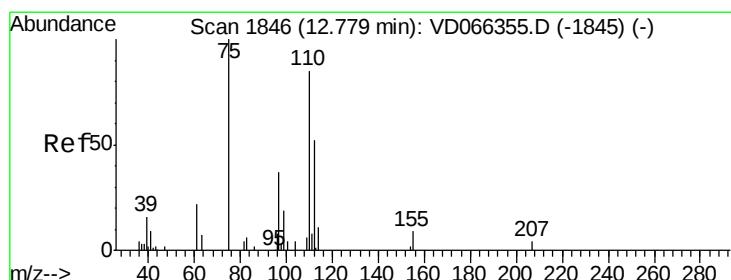
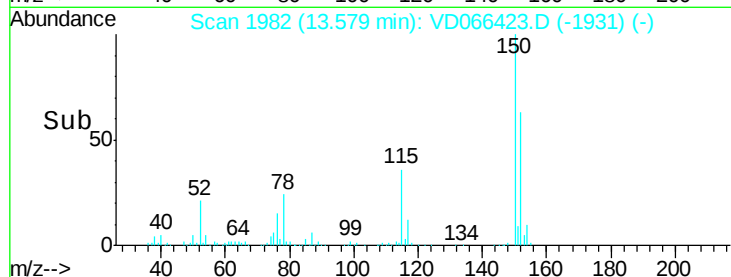
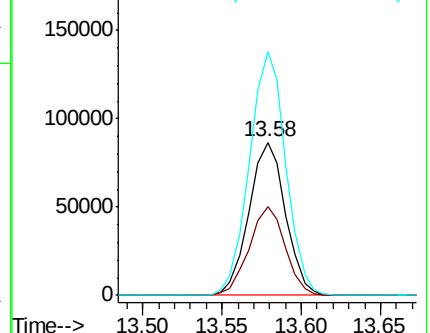
150 158.0 0.0 343.2



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: 70.323 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066423.D

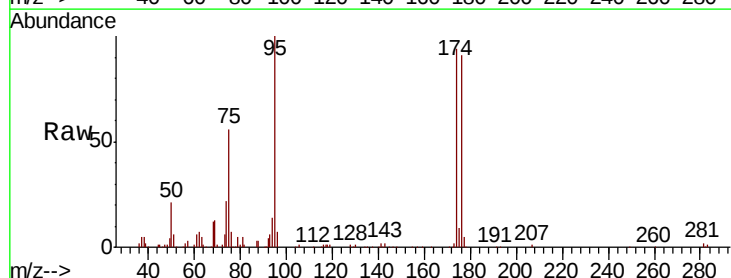
Acq: 26 Aug 2020 16:27

Tgt Ion: 75 Resp: 68872

Ion Ratio Lower Upper

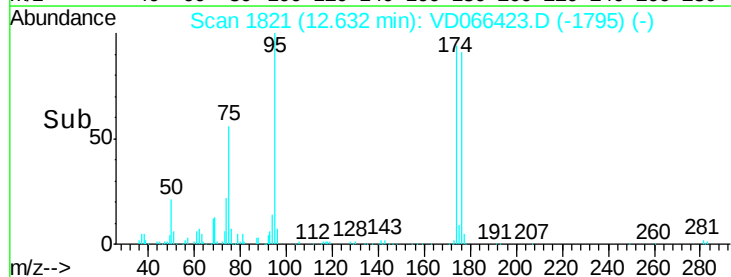
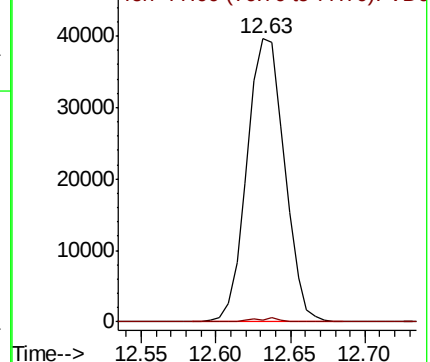
75 100

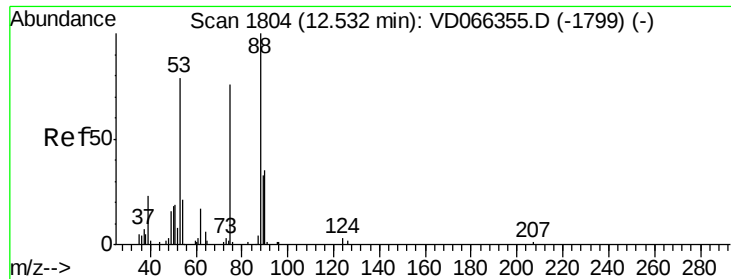
77 0.9 182.9 548.9#



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: 149.274 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066423.D

Acq: 26 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

TP-8

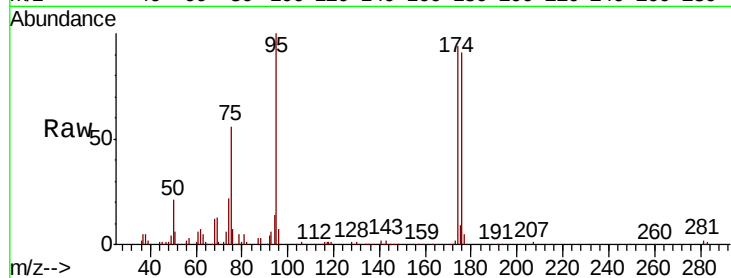
Tot Ion: 75 Resp: 68872

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 39.4 59.0#



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

