

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066420.D
 Acq On : 26 Aug 2020 15:05
 Operator : VA/SY
 Sample : L3793-13
 Misc : 7.2G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

Quant Time: Aug 27 07:29:10 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	7.97	168	204729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	296984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	274269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	142099	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	114920	57.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.52%	
35) Dibromofluoromethane	7.91	113	93151	50.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.32%	
50) Toluene-d8	10.34	98	347558	51.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.63	95	120464	49.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.92%	

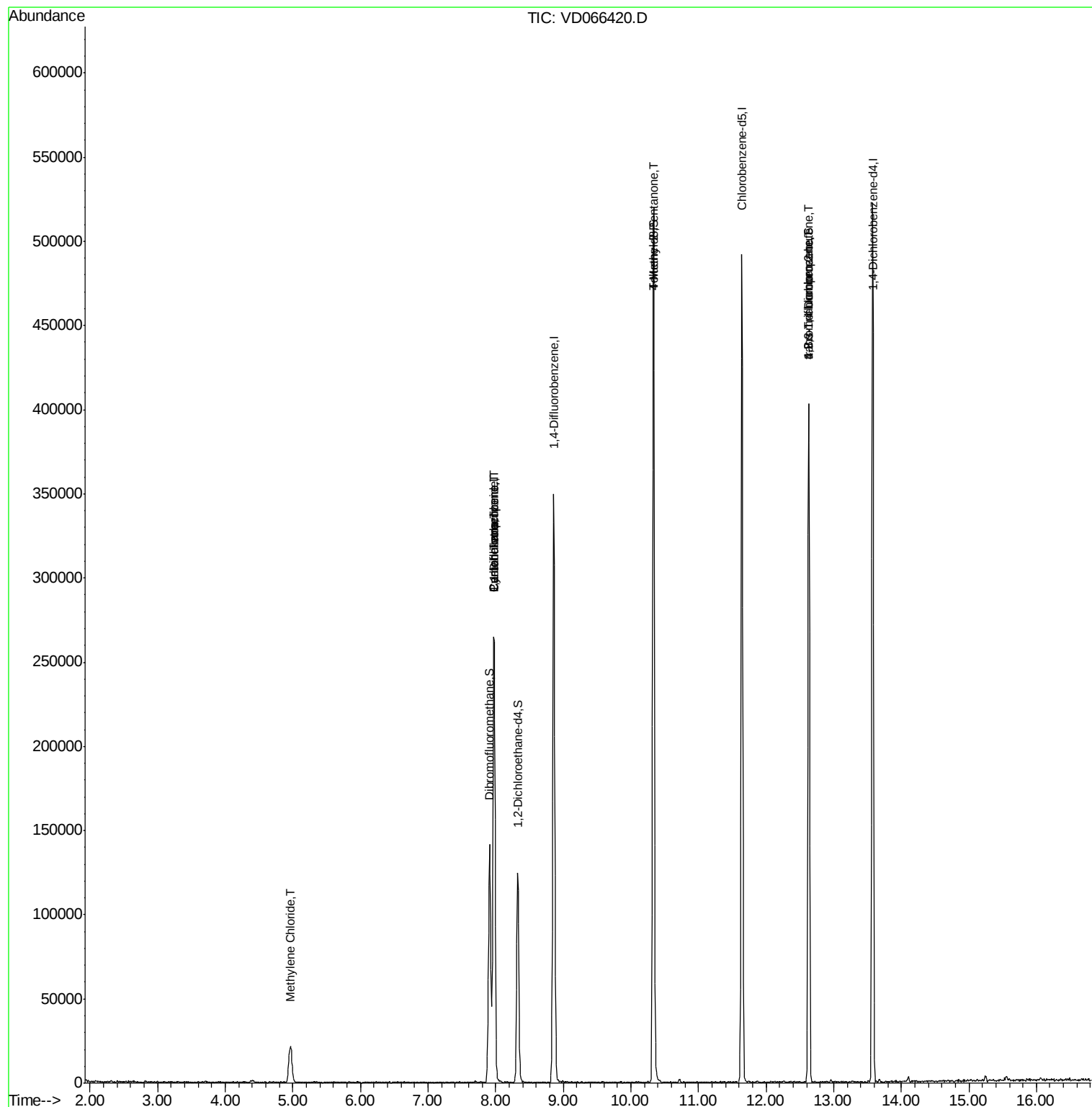
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.96	84	17926	3.364	ug/l	90
31) Cyclohexane	7.97	56	4521	1.622	ug/l #	31
36) 1,1-Dichloropropene	7.97	75	13832	5.104	ug/l #	46
38) Carbon Tetrachloride	7.97	117	20742	5.875	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1606	1.795	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	70022	70.045	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	70022	148.683	ug/l #	6

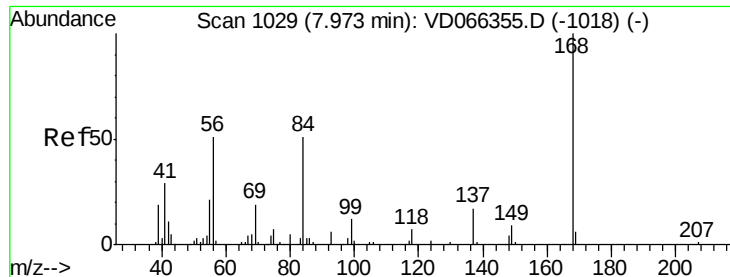
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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TP-5

Quant Time: Aug 27 07:29:10 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: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066420.D

Acq: 26 Aug 2020 15:05

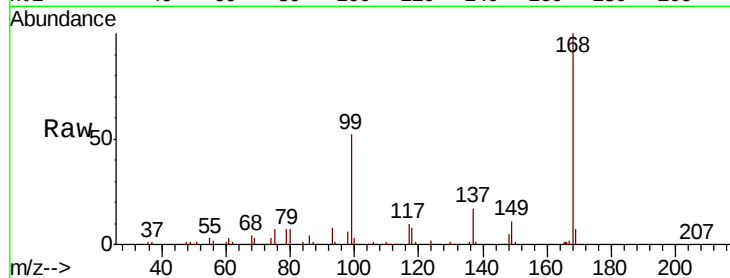
Instrument :
MSVOA_D
ClientSampleId :
TP-5

Tot Ion:168 Resp: 204729

Ion Ratio Lower Upper

168 100

99 52.4 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

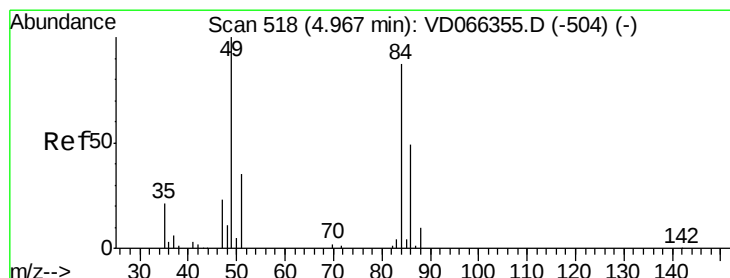
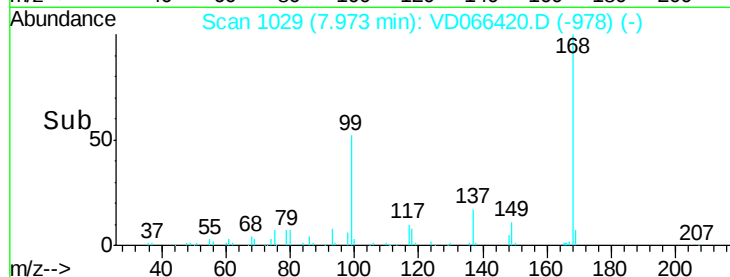
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 3.364 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066420.D

Acq: 26 Aug 2020 15:05

Tgt Ion: 84 Resp: 17926

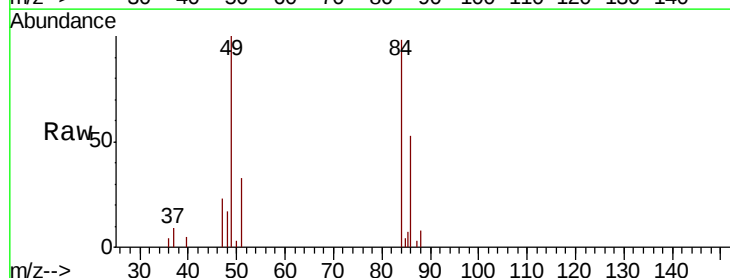
Ion Ratio Lower Upper

84 100

49 102.0 92.5 138.7

51 33.9 32.5 48.7

86 53.9 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

10000

8000

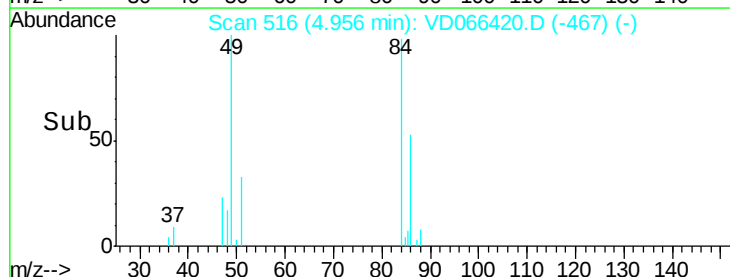
6000

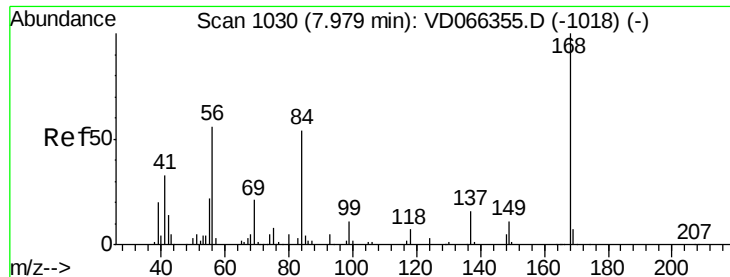
4000

2000

0

Time--> 4.85 4.90 4.95 5.00 5.05

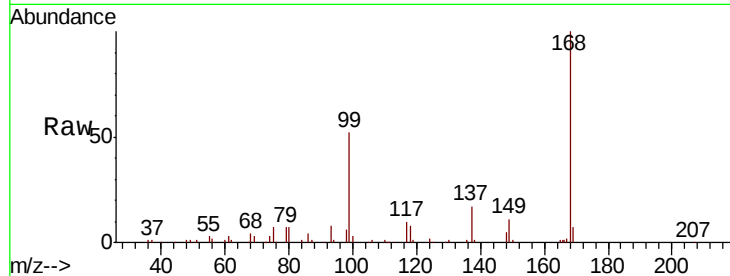




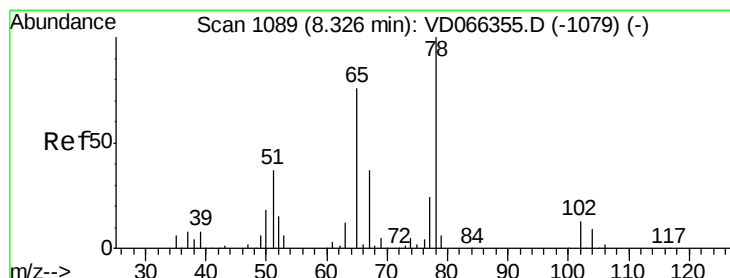
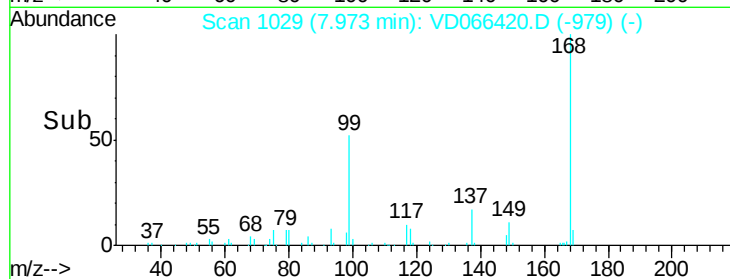
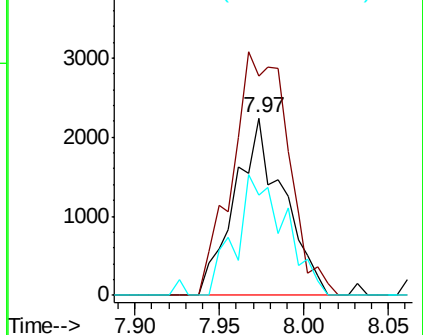
#31
Cyclohexane
Concen: 1.622 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066420.D
Acq: 26 Aug 2020 15:05

Instrument :
MSVOA_D
ClientSampled :
TP-5

Tot Ion: 56 Resp: 4521
Ion Ratio Lower Upper
56 100
69 123.4 29.6 44.4#
84 56.7 76.6 115.0#

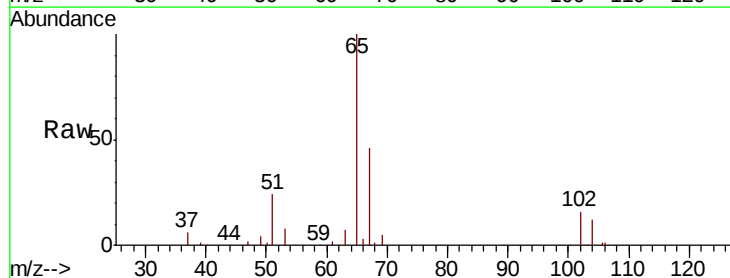


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

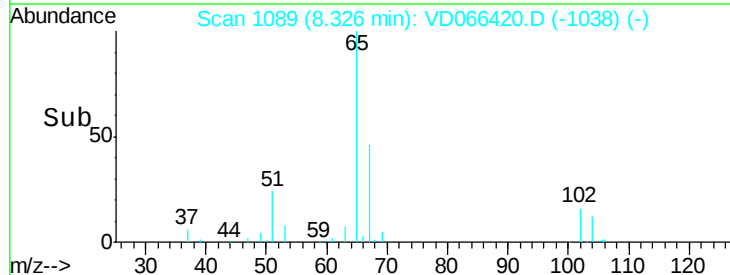
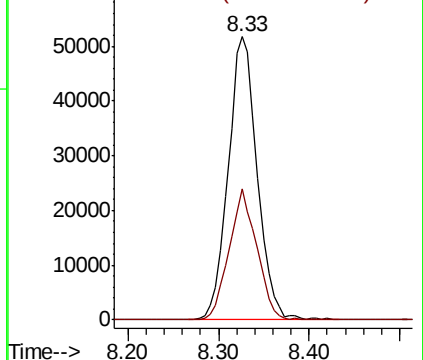


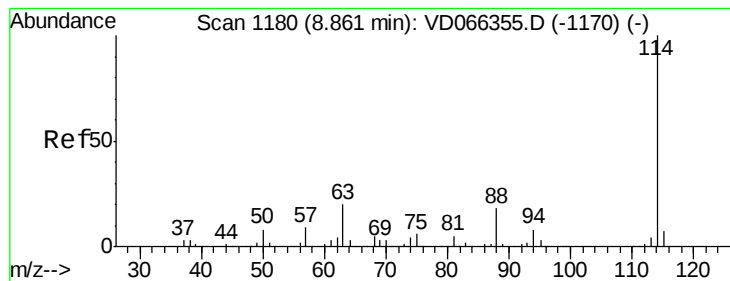
#33
1,2-Dichloroethane-d4
Concen: 57.255 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066420.D
Acq: 26 Aug 2020 15:05

Tgt Ion: 65 Resp: 114920
Ion Ratio Lower Upper
65 100
67 44.2 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: VD066420.D

Acq: 26 Aug 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

TP-5

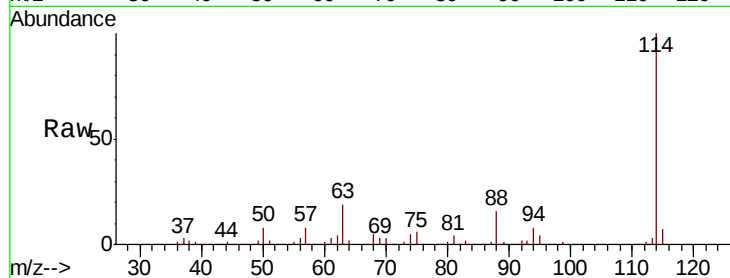
Tot Ion:114 Resp: 296984

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.8

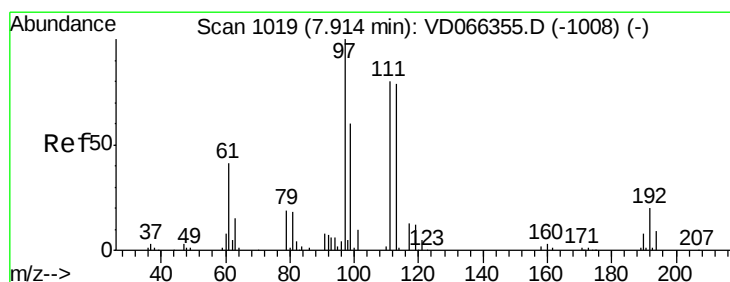
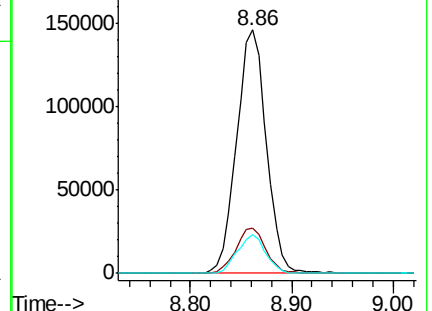
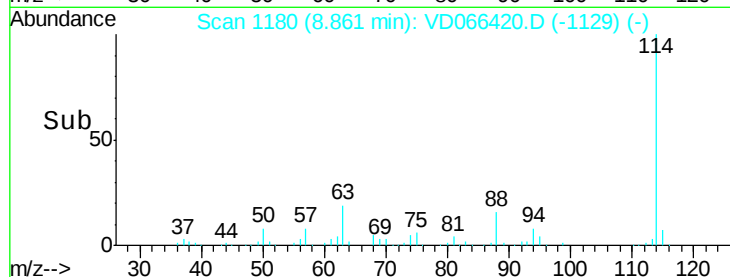
88 15.8 0.0 35.4



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: 50.160 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066420.D

Acq: 26 Aug 2020 15:05

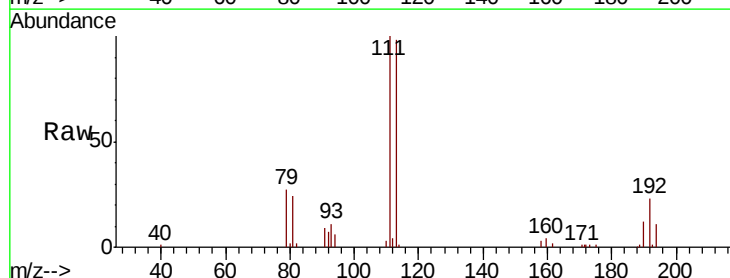
Tgt Ion:113 Resp: 93151

Ion Ratio Lower Upper

113 100

111 105.1 80.3 120.5

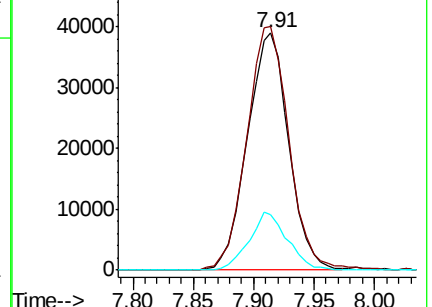
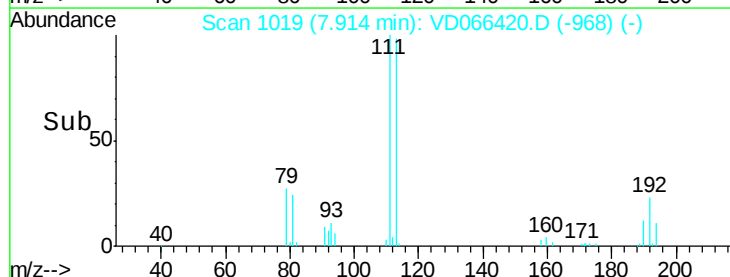
192 22.7 19.0 28.6

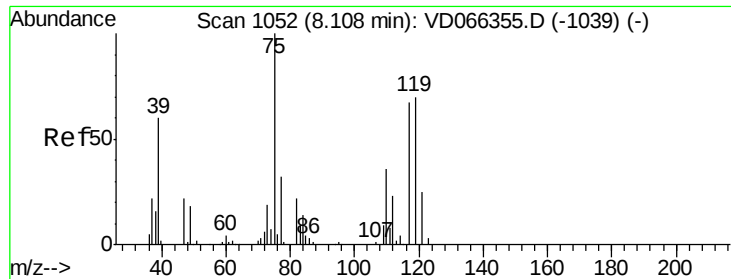


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

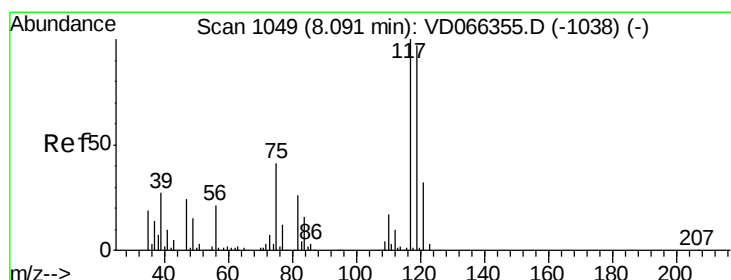
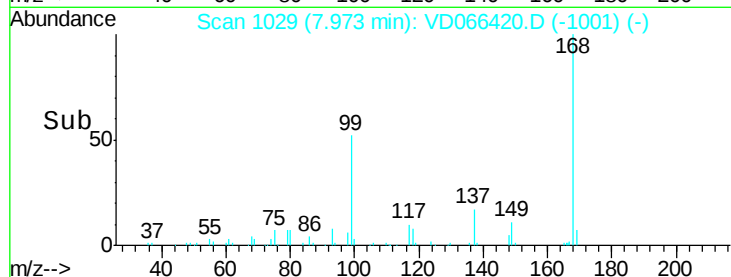
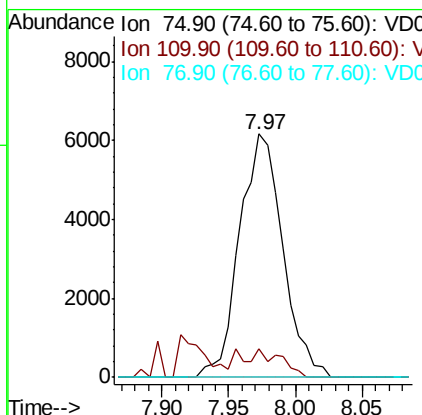
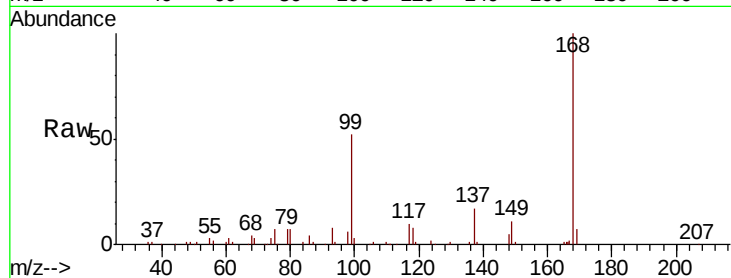




#36
 1,1-Dichloropropene
 Concen: 5.104 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066420.D
 Acq: 26 Aug 2020 15:05

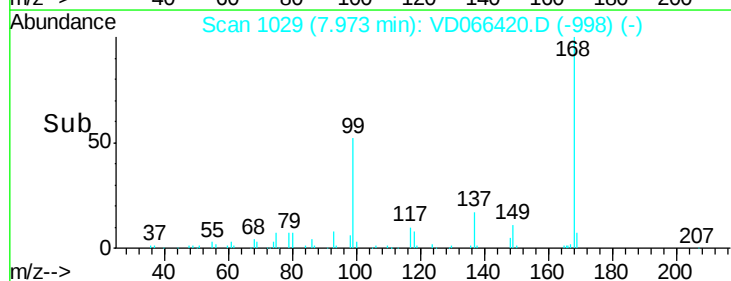
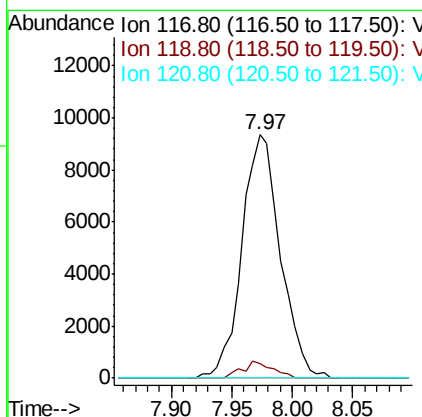
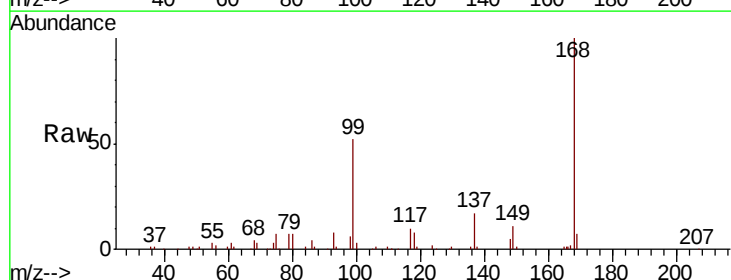
Instrument :
 MSVOA_D
 ClientSampled :
 TP-5

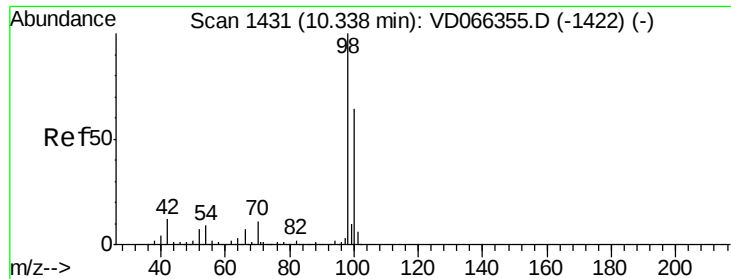
Tot Ion: 75 Resp: 13832
 Ion Ratio Lower Upper
 75 100
 110 6.7 18.7 56.1#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.875 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066420.D
 Acq: 26 Aug 2020 15:05

Tgt Ion: 117 Resp: 20742
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.2 115.8#
 121 0.0 25.8 38.8#

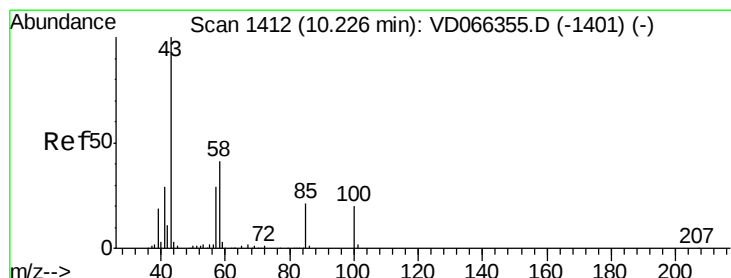
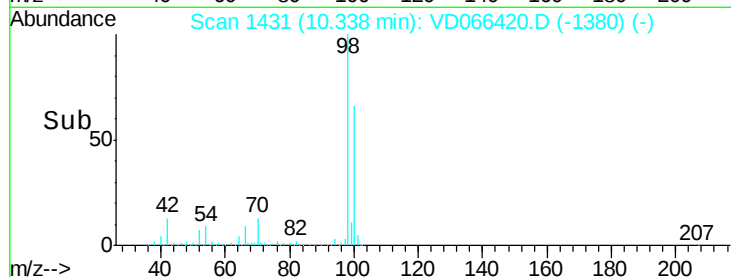
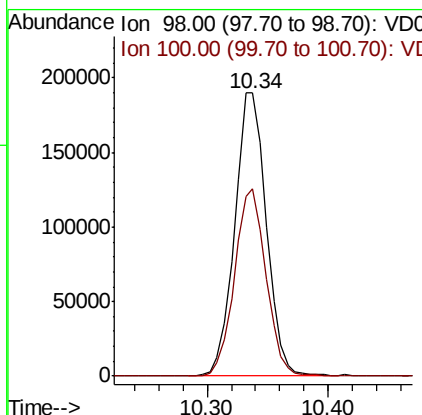
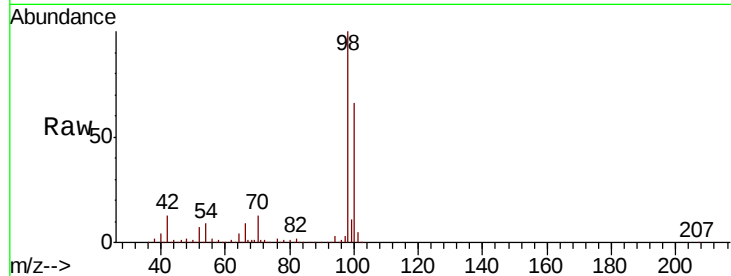




#50
Toluene-d8
Concen: 51.151 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066420.D
Acq: 26 Aug 2020 15:05

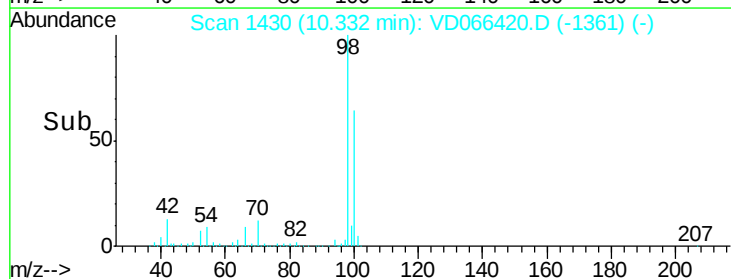
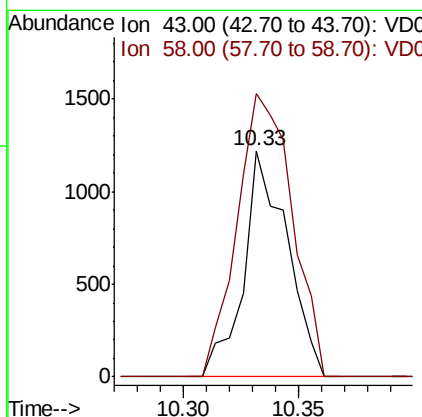
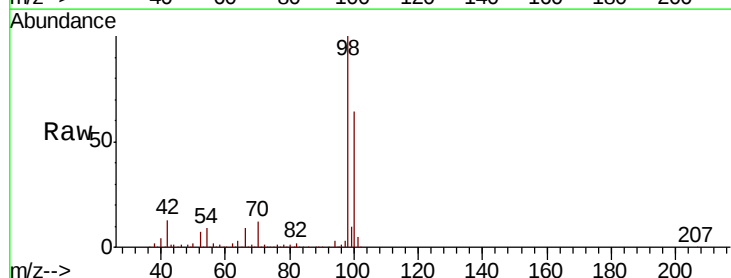
Instrument :
MSVOA_D
ClientSampled :
TP-5

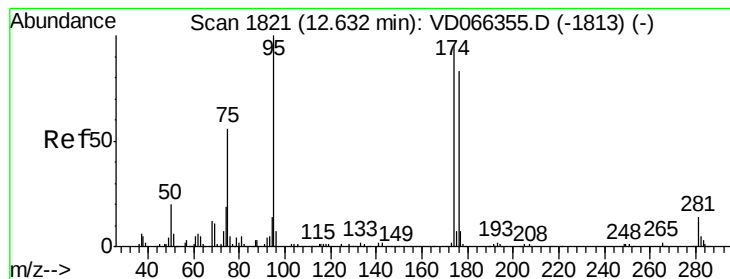
Tot Ion: 98 Resp: 347558
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.795 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066420.D
Acq: 26 Aug 2020 15:05

Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
58 158.4 31.4 47.2#





#62

4-Bromofluorobenzene

Concen: 49.963 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066420.D

Acq: 26 Aug 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

TP-5

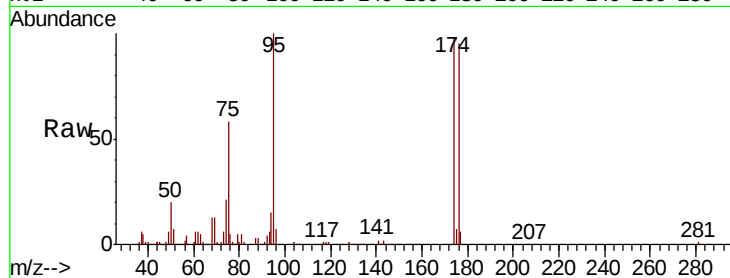
Tot Ion: 95 Resp: 120464

Ion Ratio Lower Upper

95 100

174 96.6 0.0 183.4

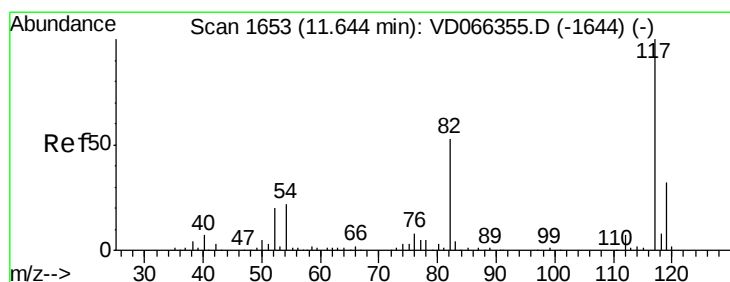
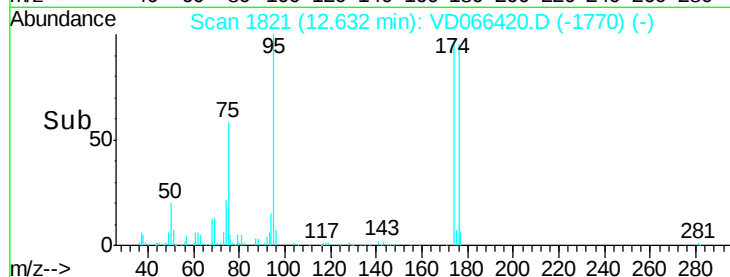
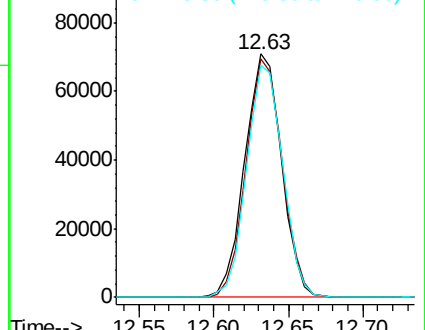
176 93.8 0.0 173.8



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: VD066420.D

Acq: 26 Aug 2020 15:05

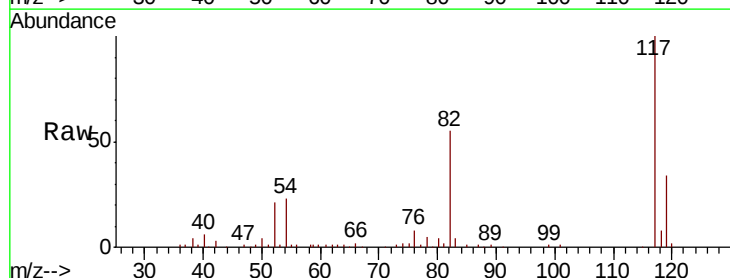
Tgt Ion: 117 Resp: 274269

Ion Ratio Lower Upper

117 100

82 54.5 42.8 64.2

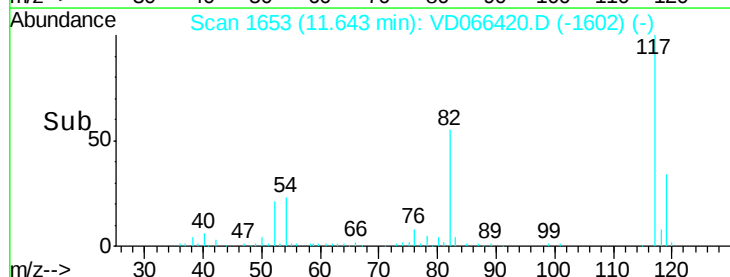
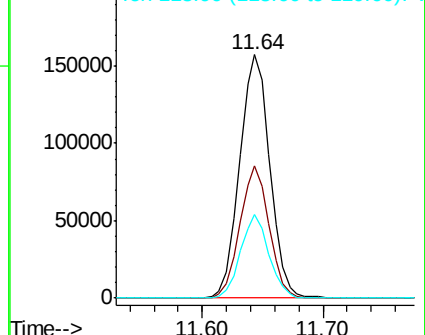
119 34.1 25.8 38.8

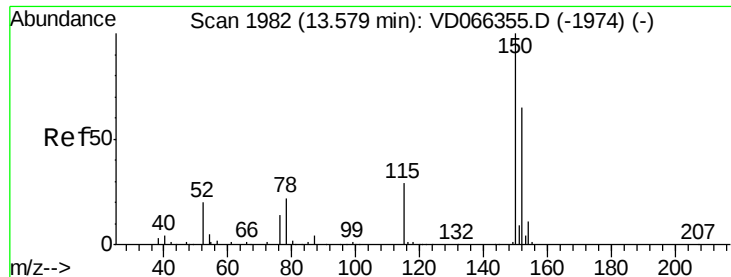


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



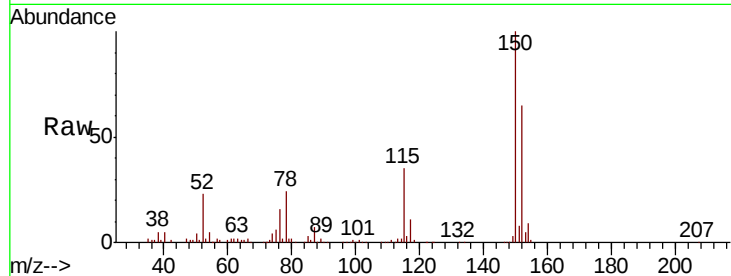


#72

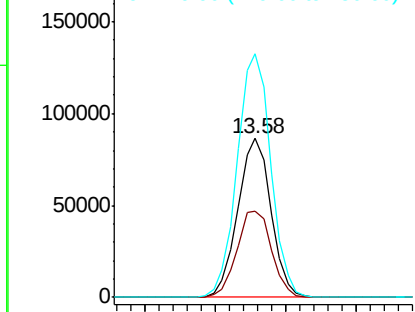
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066420.D
Acq: 26 Aug 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
TP-5

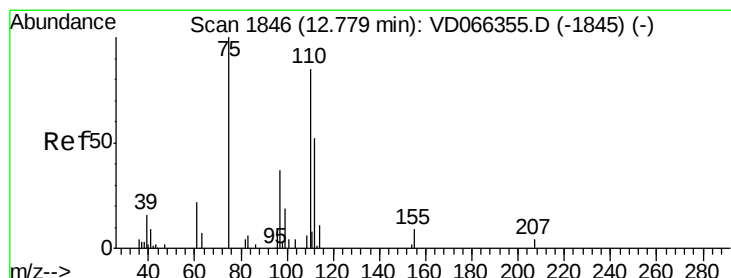
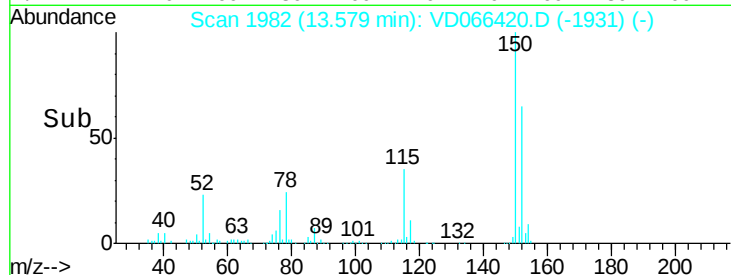
Tot Ion:152 Resp: 142099
Ion Ratio Lower Upper
152 100
115 56.8 28.3 85.0
150 155.0 0.0 343.2



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



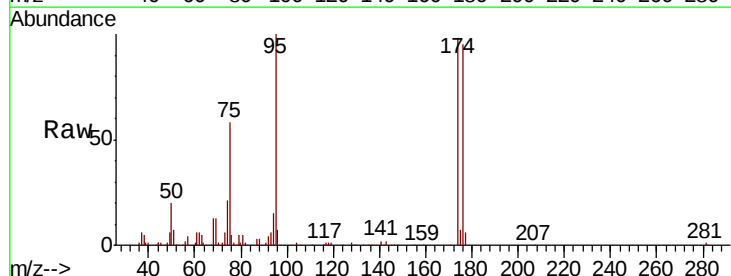
Time--> 13.50 13.55 13.60 13.65



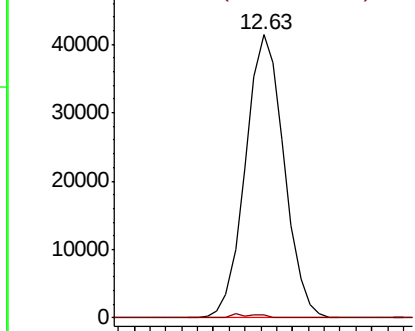
#76

1,2,3-Trichloropropane
Concen: 70.045 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066420.D
Acq: 26 Aug 2020 15:05

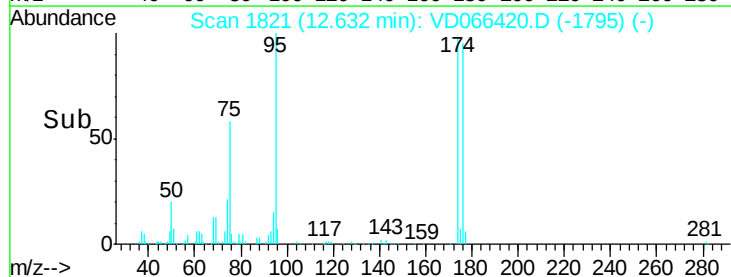
Tgt Ion: 75 Resp: 70022
Ion Ratio Lower Upper
75 100
77 0.9 182.9 548.9#

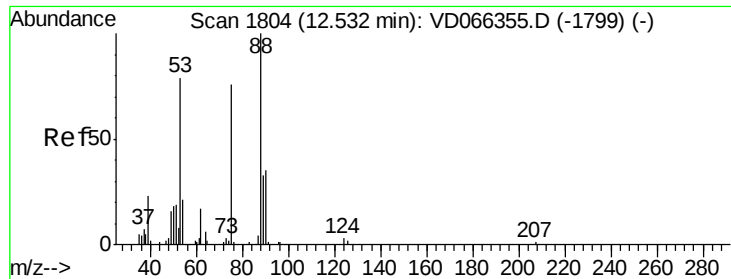


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.55 12.60 12.65 12.70





#81

trans-1,4-Dichloro-2-butene

Concen: 148.683 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066420.D

Acq: 26 Aug 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

TP-5

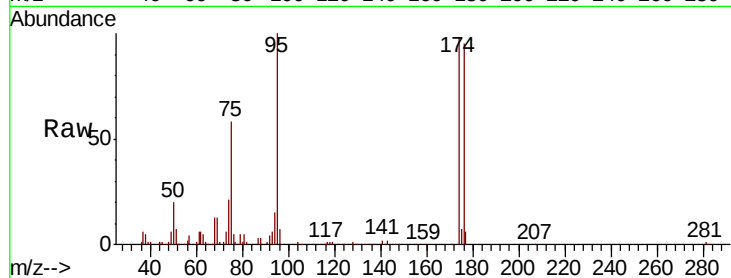
Tot Ion: 75 Resp: 70022

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

