

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066489.D
 Acq On : 31 Aug 2020 18:02
 Operator : VA/SY
 Sample : L3848-24
 Misc : 3.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

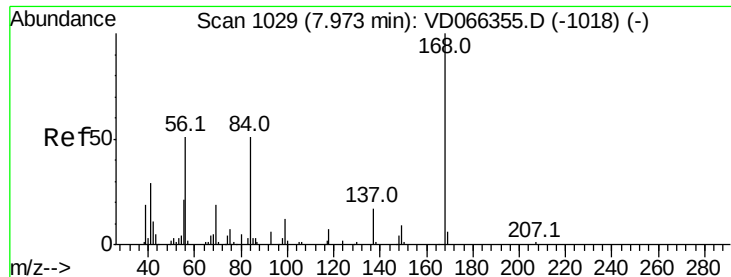
Quant Time: Sep 01 01:03:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	163822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	234943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	219705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	116596	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	90512	56.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.72%	
35) Dibromofluoromethane	7.91	113	72448	49.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.62%	
50) Toluene-d8	10.33	98	278773	51.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.63	95	97208	50.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	873	Below Cal	#	71
16) Acetone	4.16	43	1132	3.909	ug/l #	46
20) Methylene Chloride	4.97	84	8696	Below Cal		83
25) 2-Butanone	7.20	43	939	2.857	ug/l #	47
31) Cyclohexane	7.98	56	4573	2.051	ug/l #	51
36) 1,1-Dichloropropene	7.98	75	11419	5.327	ug/l #	55
37) Ethyl Acetate	7.20	43	939	1.288	ug/l #	1
38) Carbon Tetrachloride	7.98	117	17977	6.437	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	60635	73.922	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	60635	156.912	ug/l #	6

(#) = 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. 0.01 min

Lab File: VD066489.D

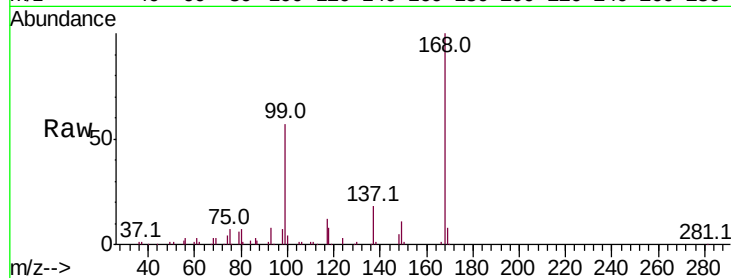
Acq: 31 Aug 2020 18:02

Tot Ion:168 Resp: 163822

Ion Ratio Lower Upper

168 100

99 57.3 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

80000

60000

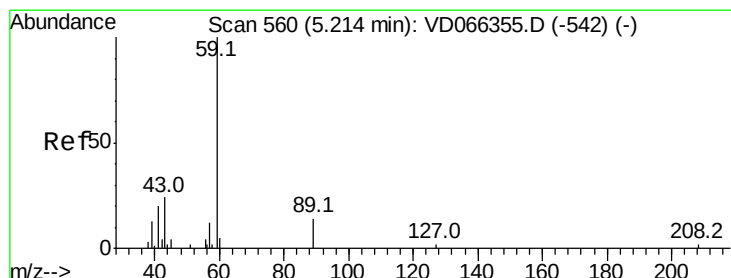
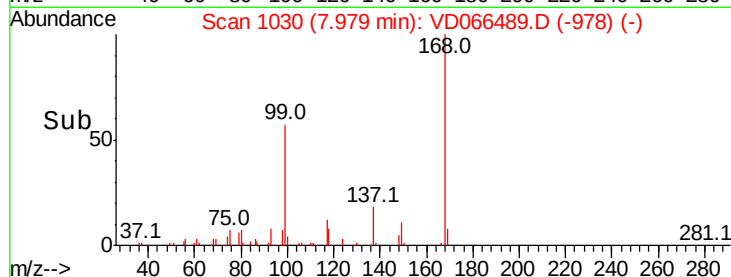
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.02 min

Lab File: VD066489.D

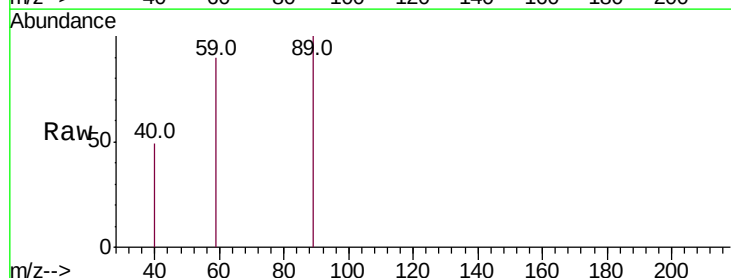
Acq: 31 Aug 2020 18:02

Tgt Ion: 59 Resp: 873

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.19

800

600

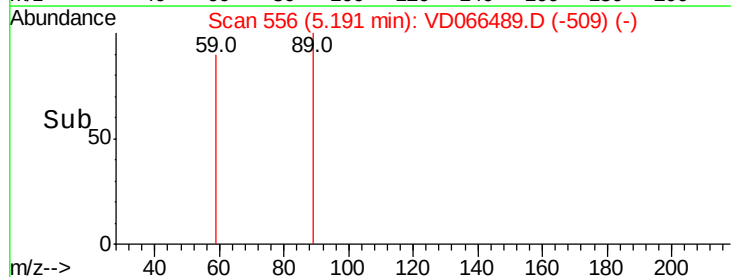
400

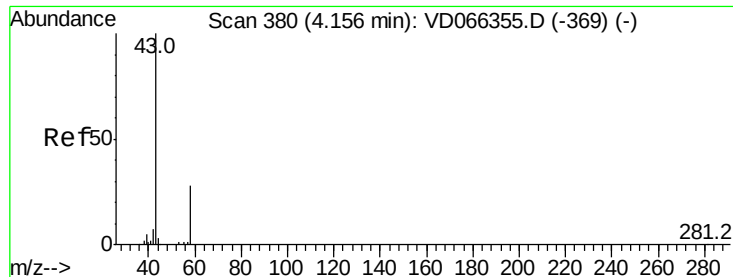
200

0

Time-->

5.18 5.20 5.22 5.24





#16

Acetone

Concen: 3.909 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066489.D

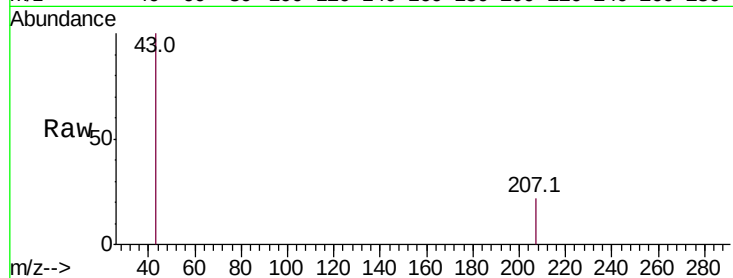
Acq: 31 Aug 2020 18:02

Tot Ion: 43 Resp: 1132

Ion Ratio Lower Upper

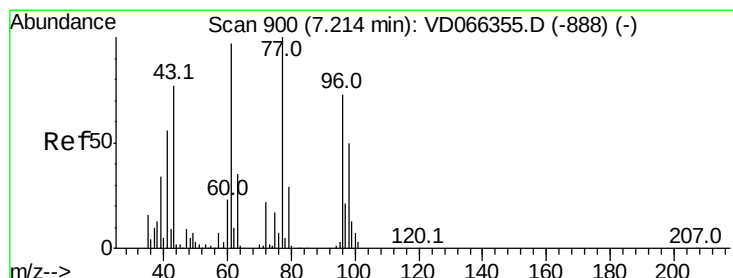
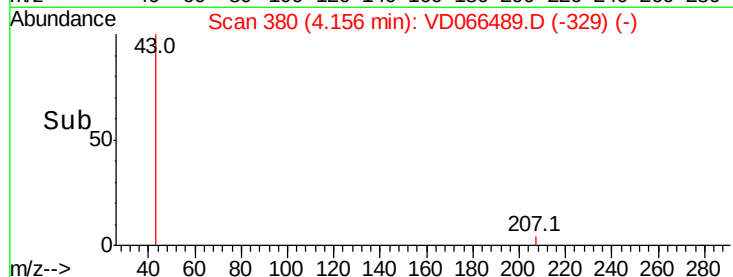
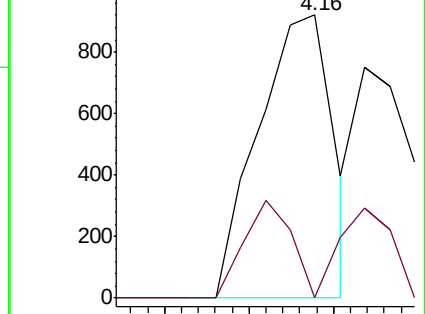
43 100

58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 2.857 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD066489.D

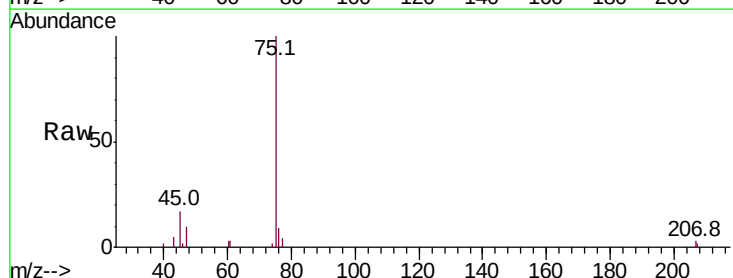
Acq: 31 Aug 2020 18:02

Tgt Ion: 43 Resp: 939

Ion Ratio Lower Upper

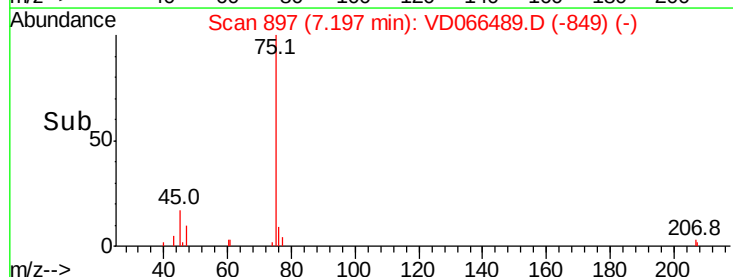
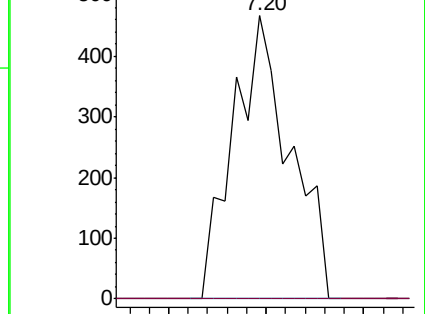
43 100

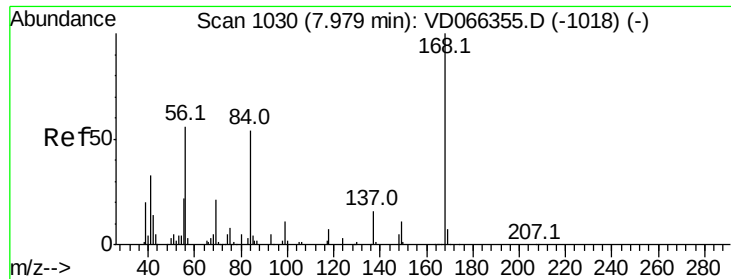
72 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

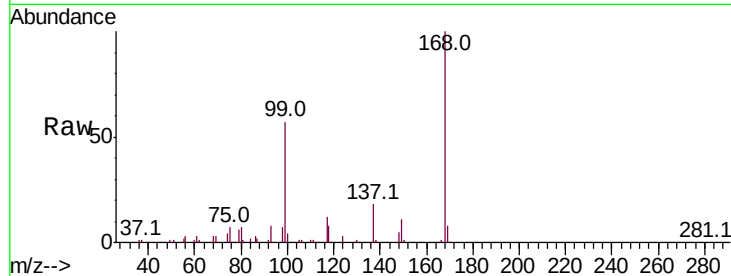
Ion 72.00 (71.70 to 72.70): VDC



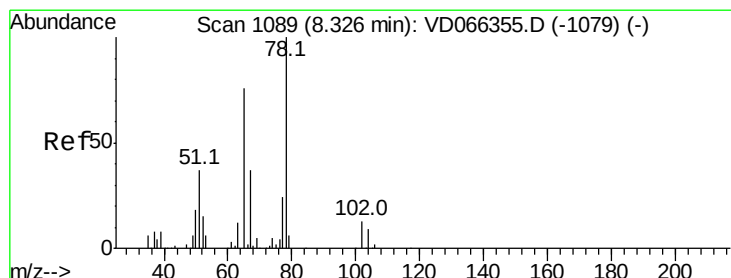
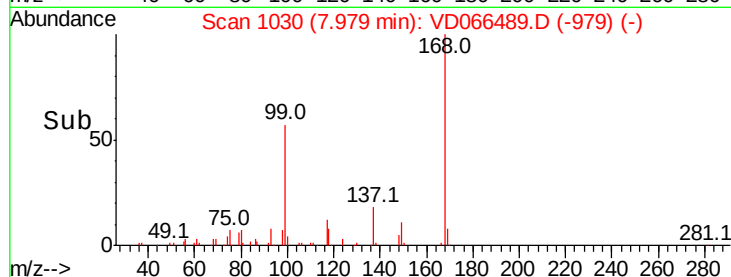
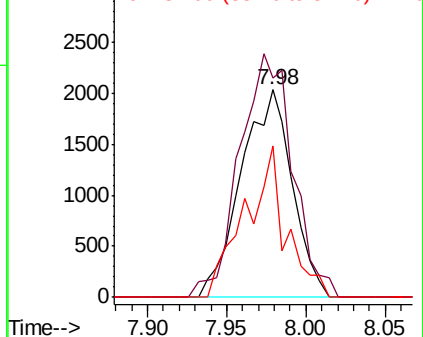


#31
Cyclohexane
Concen: 2.051 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066489.D
Acq: 31 Aug 2020 18:02

Tot Ion: 56 Resp: 4573
Ion Ratio Lower Upper
56 100
69 106.1 29.6 44.4#
84 72.9 76.6 115.0#

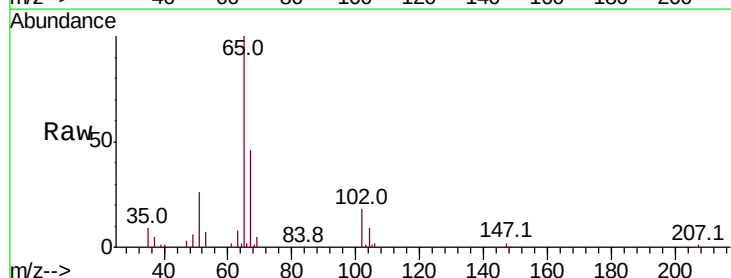


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

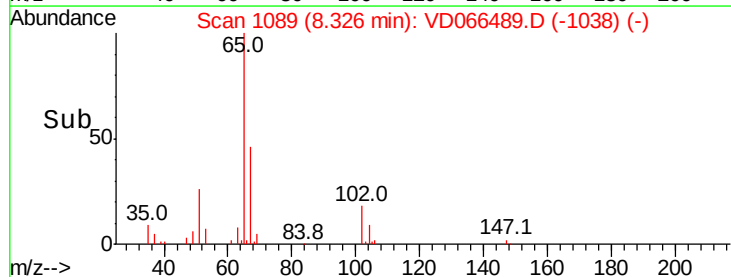
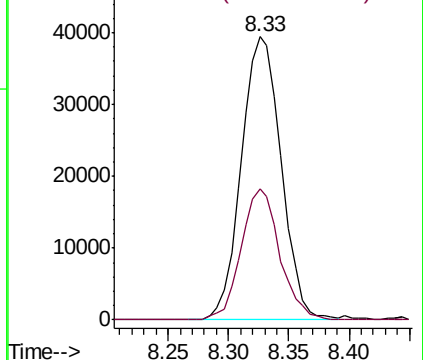


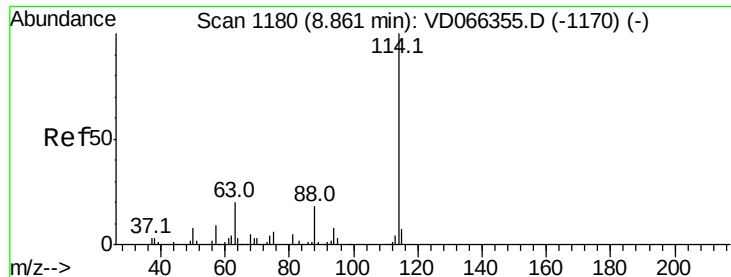
#33
1,2-Dichloroethane-d4
Concen: 56.355 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066489.D
Acq: 31 Aug 2020 18:02

Tgt Ion: 65 Resp: 90512
Ion Ratio Lower Upper
65 100
67 44.7 0.0 101.6



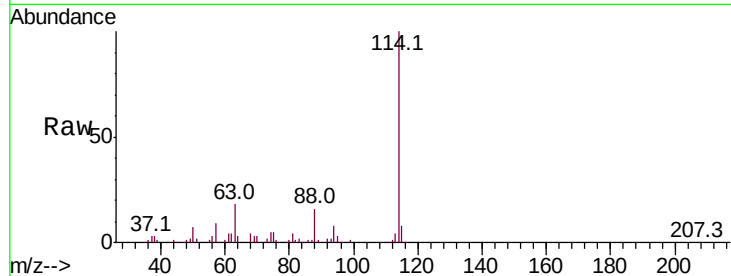
Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC



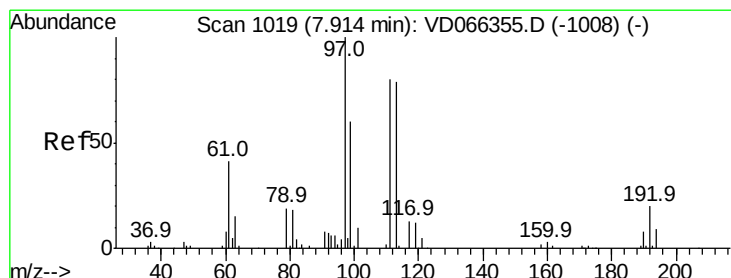
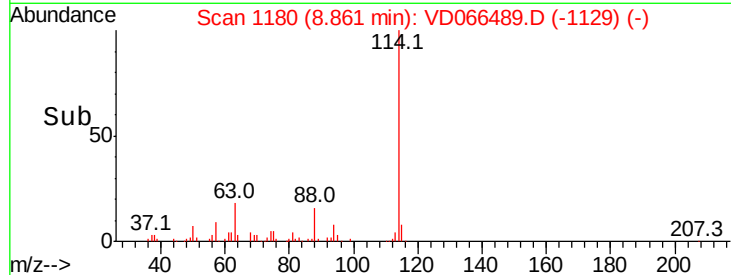
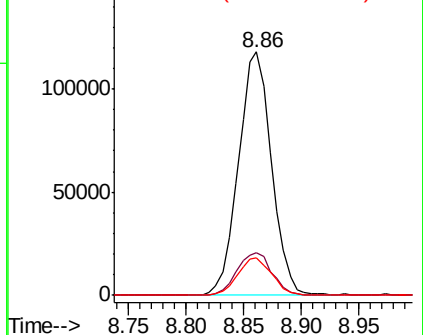


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066489.D
 Acq: 31 Aug 2020 18:02

Tot Ion	114	Resp: Lower	234943 Upper
114	100		
63	17.8	0.0	40.8
88	15.5	0.0	35.4

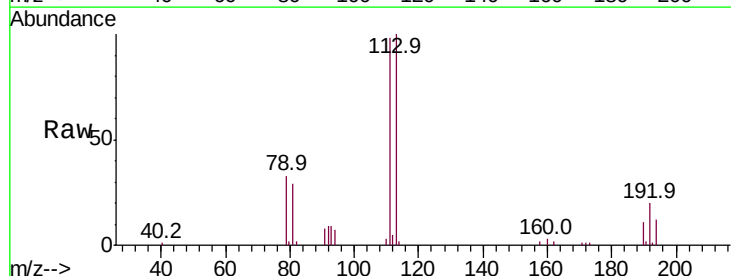


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

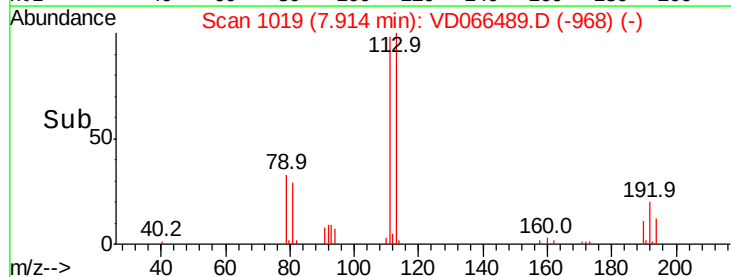
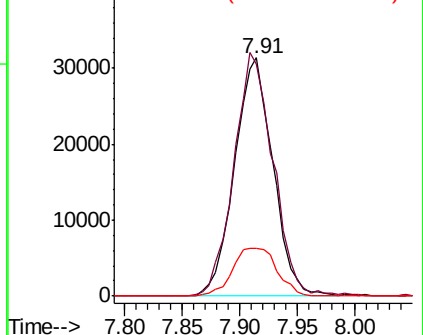


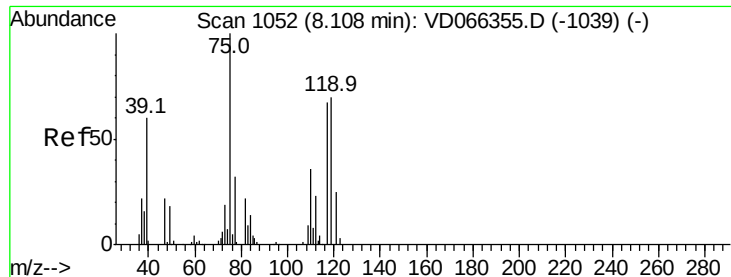
#35
 Dibromofluoromethane
 Concen: 49.314 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066489.D
 Acq: 31 Aug 2020 18:02

Tgt	Ion:113	Resp:	72448
Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.3	120.5
192	23.3	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: 5.327 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066489.D

Acq: 31 Aug 2020 18:02

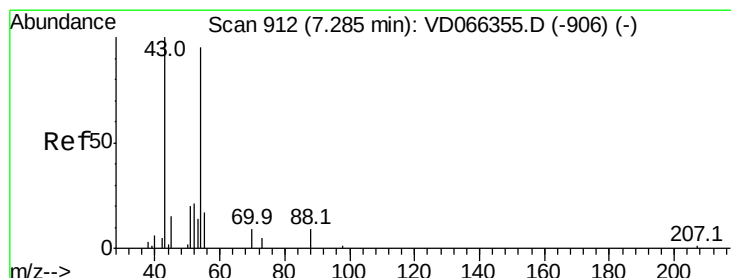
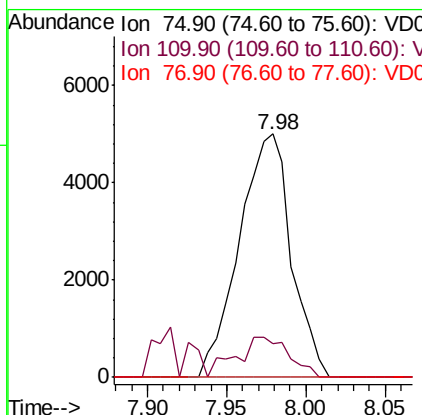
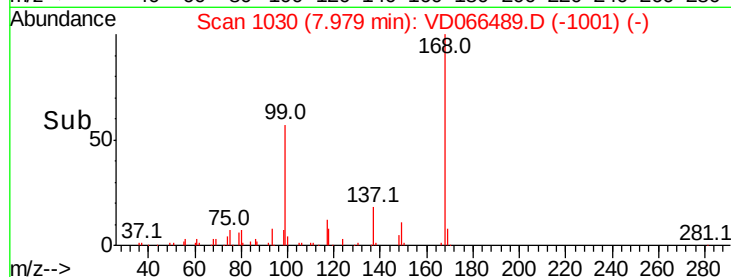
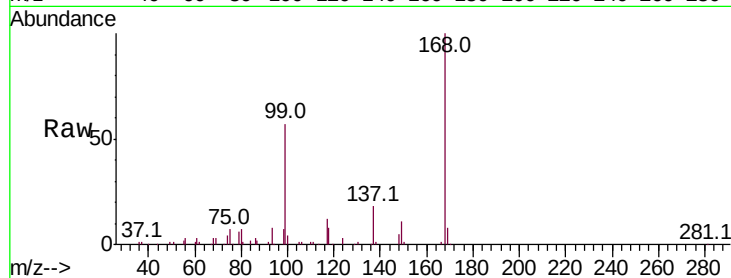
Tot Ion: 75 Resp: 11419

Ion Ratio Lower Upper

75 100

110 16.7 18.7 56.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.288 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.09 min

Lab File: VD066489.D

Acq: 31 Aug 2020 18:02

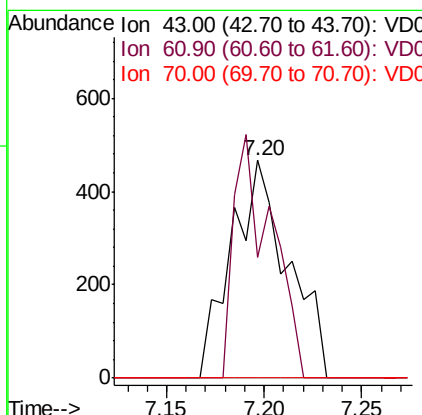
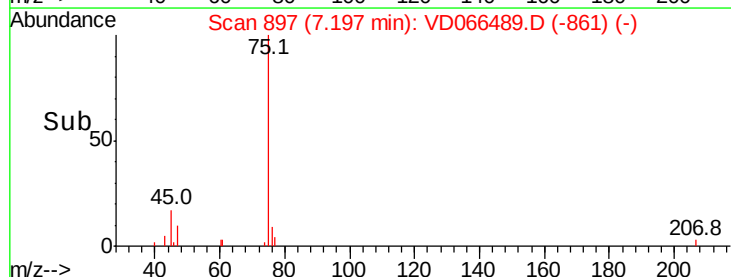
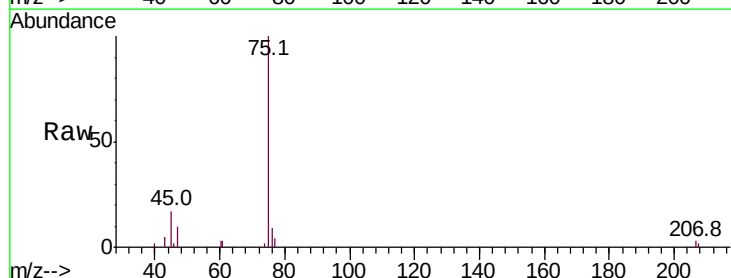
Tgt Ion: 43 Resp: 939

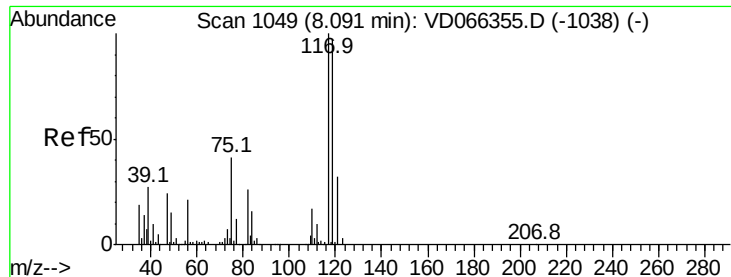
Ion Ratio Lower Upper

43 100

61 74.3 13.3 19.9#

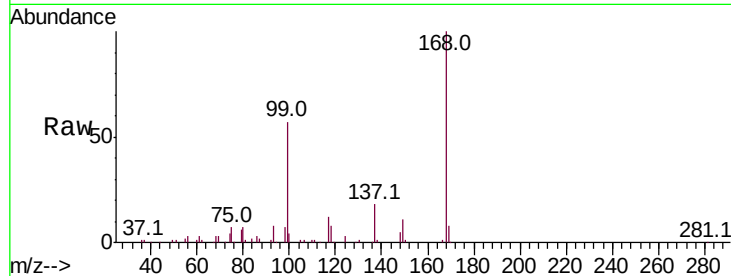
70 0.0 3.5 5.3#



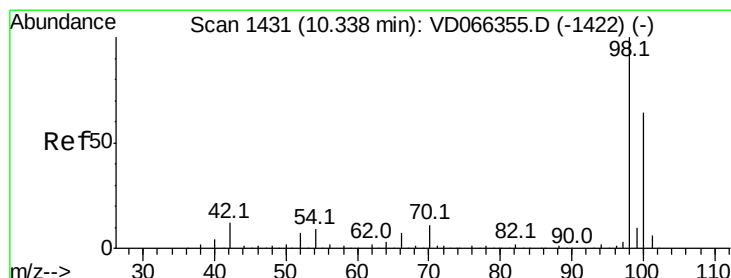
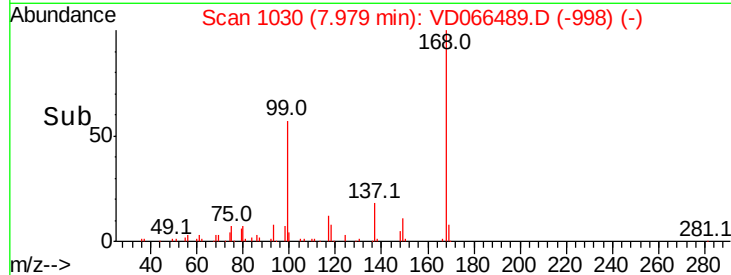
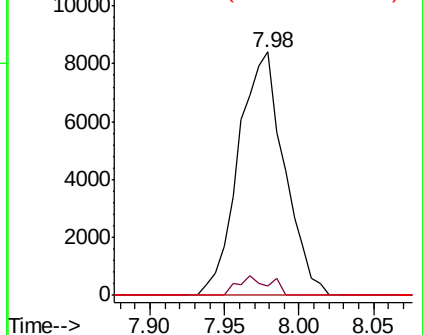


#38
Carbon Tetrachloride
Concen: 6.437 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066489.D
Acq: 31 Aug 2020 18:02

Tot Ion:117 Resp: 17977
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 25.8 38.8#

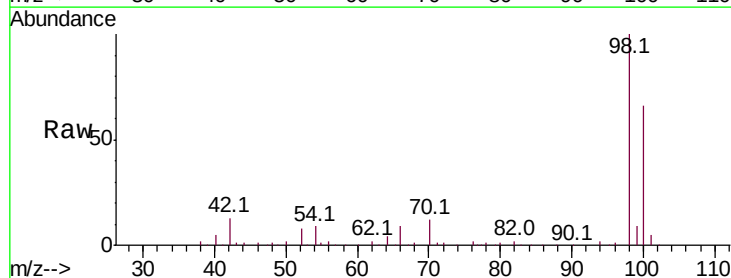


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

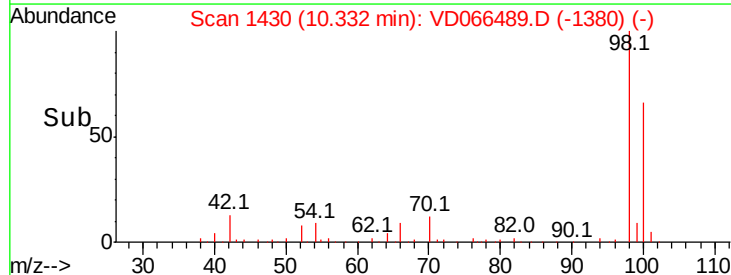
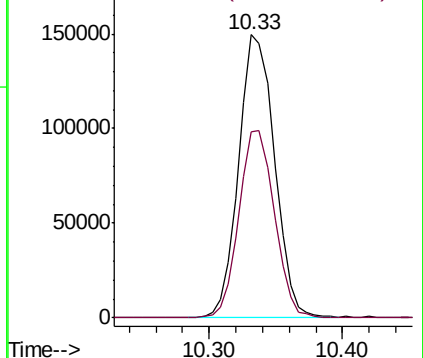


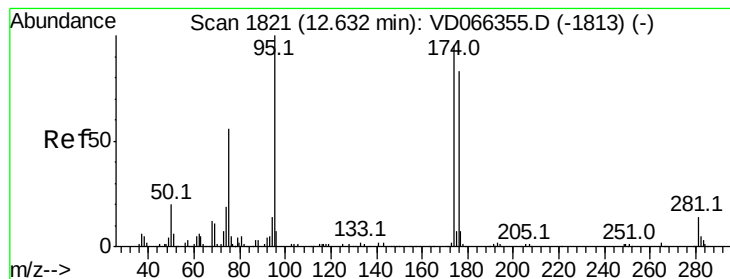
#50
Toluene-d8
Concen: 51.862 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066489.D
Acq: 31 Aug 2020 18:02

Tgt Ion: 98 Resp: 278773
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.964 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066489.D

Acq: 31 Aug 2020 18:02

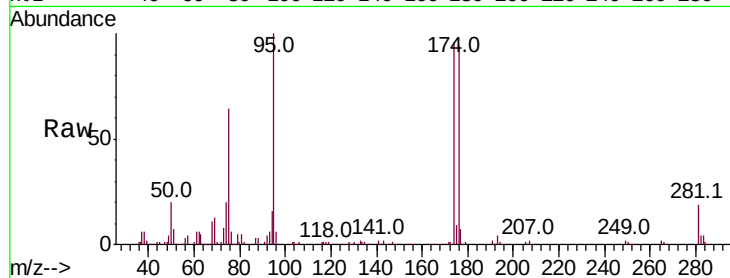
Tot Ion: 95 Resp: 97208

Ion Ratio Lower Upper

95 100

174 98.6 0.0 183.4

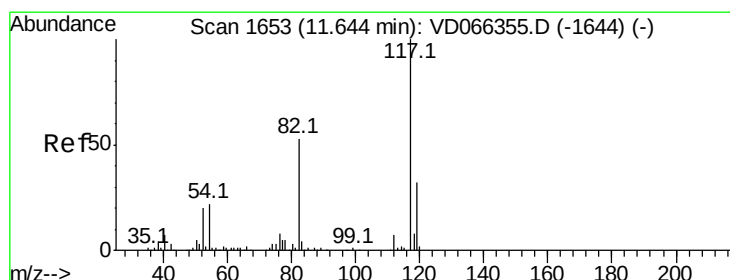
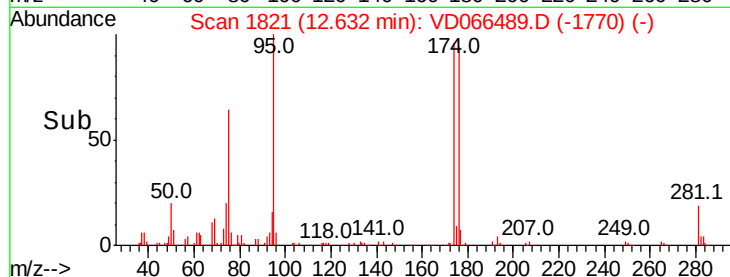
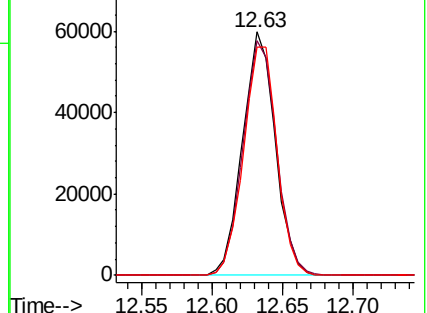
176 96.5 0.0 173.8



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: VD066489.D

Acq: 31 Aug 2020 18:02

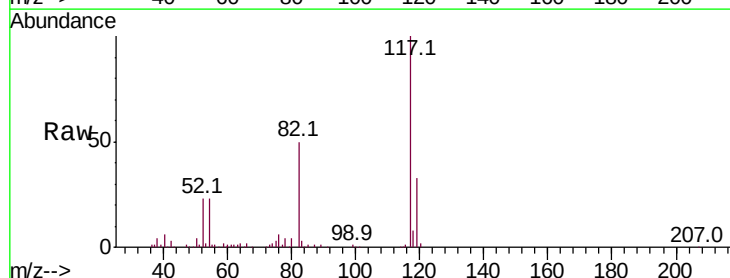
Tgt Ion: 117 Resp: 219705

Ion Ratio Lower Upper

117 100

82 49.9 42.8 64.2

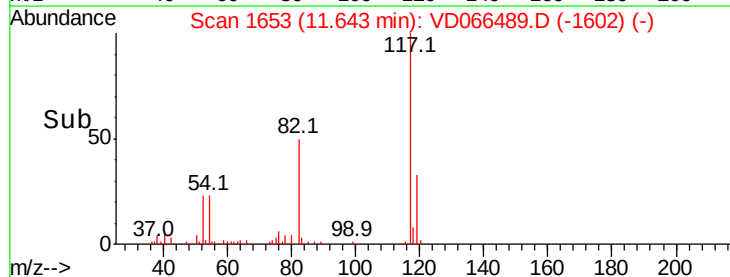
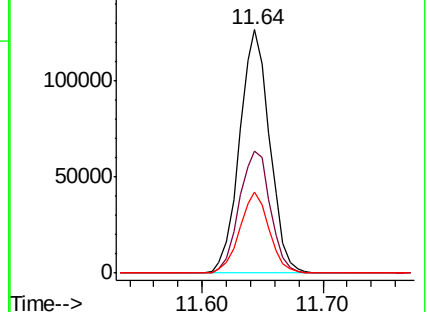
119 33.3 25.8 38.8

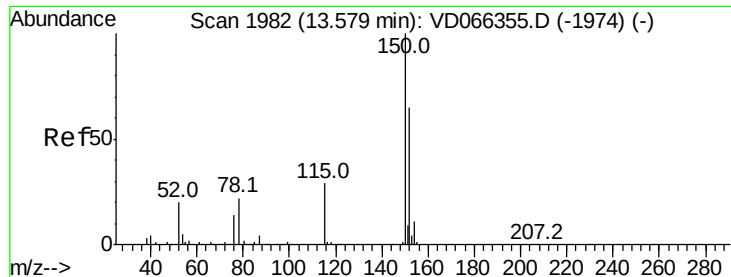


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

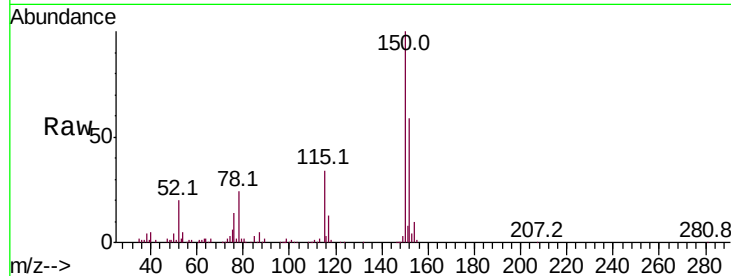




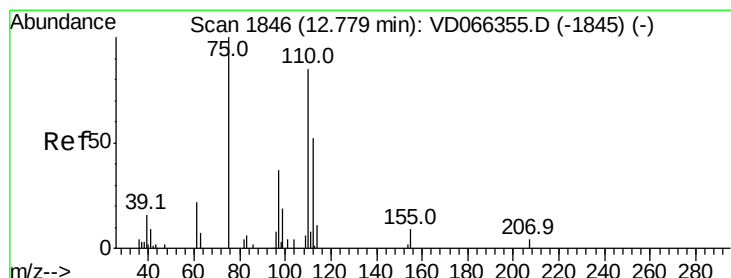
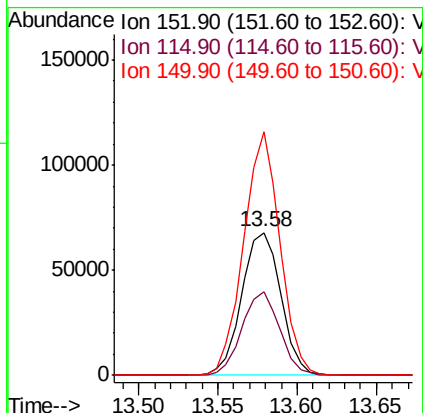
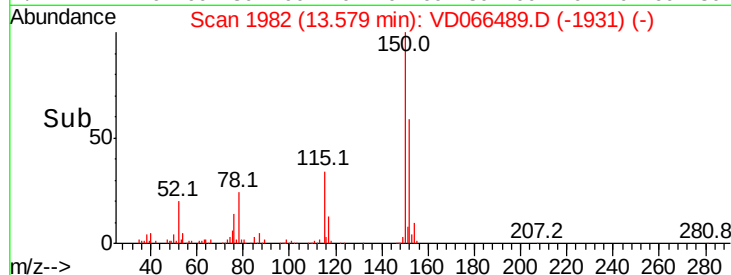
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066489.D
Acq: 31 Aug 2020 18:02

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.3	85.0
150	157.9	0.0	343.2



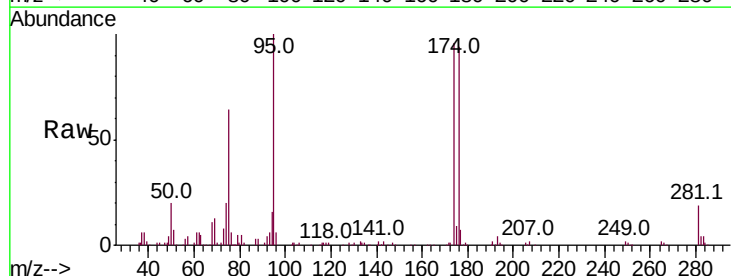
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



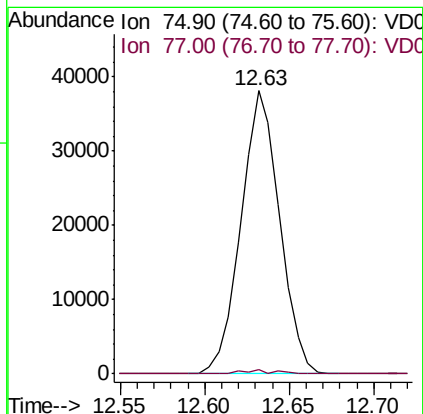
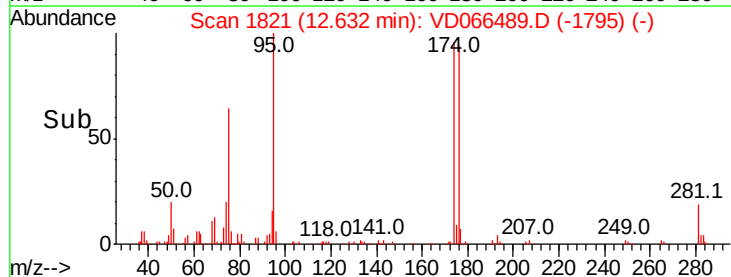
#76

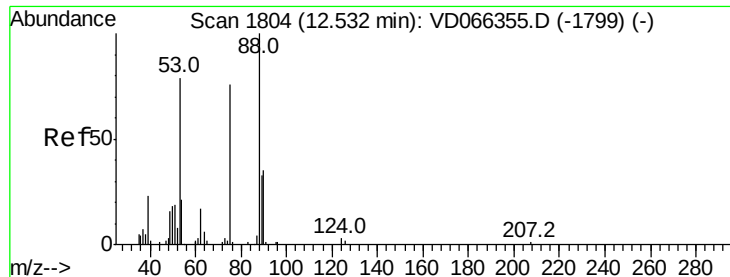
1,2,3-Trichloropropane
Concen: 73.922 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066489.D
Acq: 31 Aug 2020 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.6	182.9	548.9#



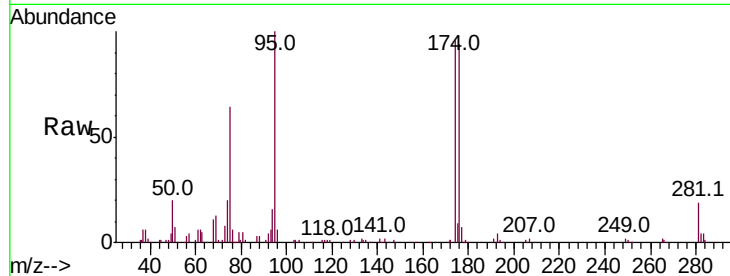
Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.912 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066489.D
 Acq: 31 Aug 2020 18:02

Tot 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

