

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091322\
 Data File : VD074274.D
 Acq On : 13 Sep 2022 19:11
 Operator : VA/SY
 Sample : N4573-02
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11998

Quant Time: Sep 14 01:58:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

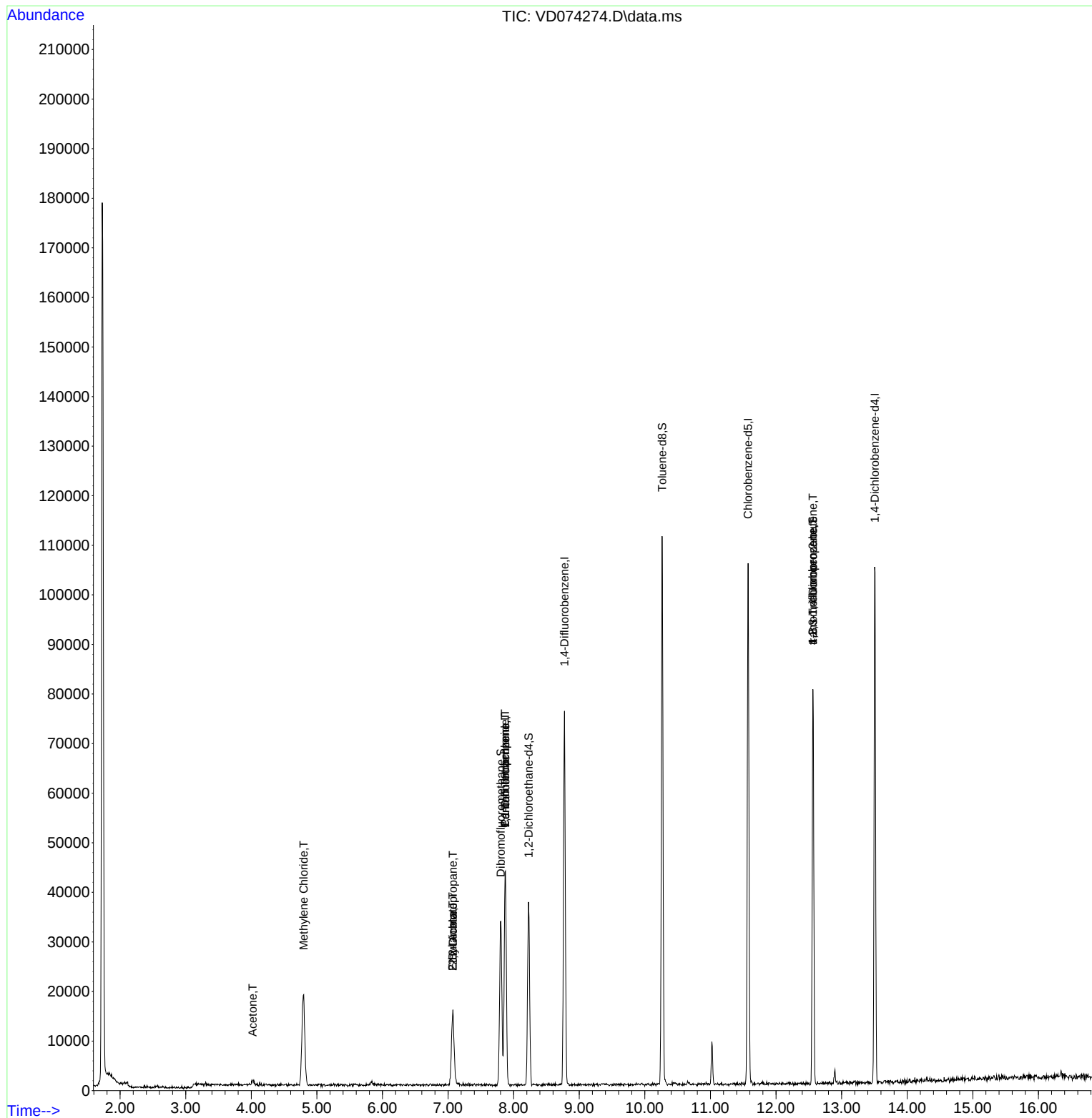
Internal Standards						
1) Pentafluorobenzene	7.875	168	36129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	65687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	60956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	29170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28751	78.056	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 156.120%	
35) Dibromofluoromethane	7.804	113	24572	56.315	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.620%	
50) Toluene-d8	10.263	98	76297	47.384	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.760%	
62) 4-Bromofluorobenzene	12.563	95	26012	45.654	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.300%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	1533	20.163	ug/l #	79
20) Methylene Chloride	4.799	84	14702	29.230	ug/l	95
25) 2-Butanone	7.069	43	933	7.358	ug/l #	48
26) 2,2-Dichloropropane	7.075	77	1044	1.477	ug/l #	53
36) 1,1-Dichloropropene	7.869	75	2682	3.772	ug/l #	44
37) Ethyl Acetate	7.069	43	933	3.026	ug/l #	60
38) Carbon Tetrachloride	7.869	117	3523	5.477	ug/l #	11
76) 1,2,3-Trichloropropane	12.563	75	12813	42.848	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.563	75	12813	105.643	ug/l #	100

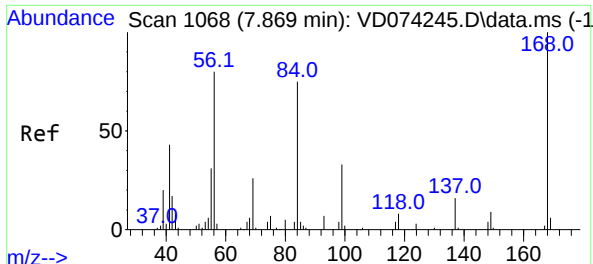
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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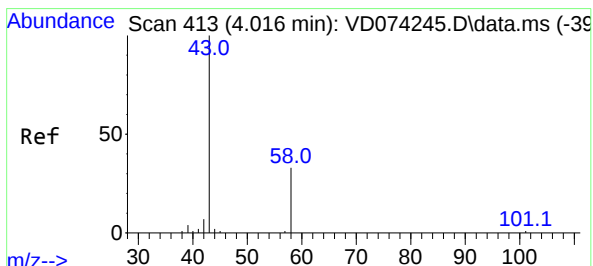
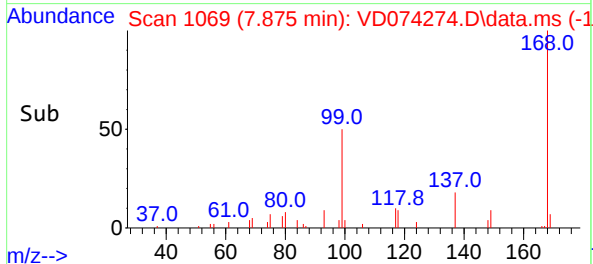
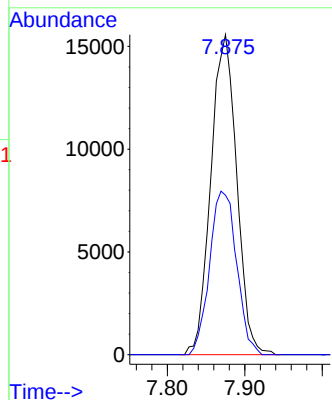
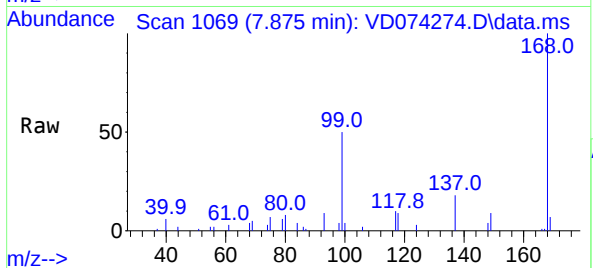




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

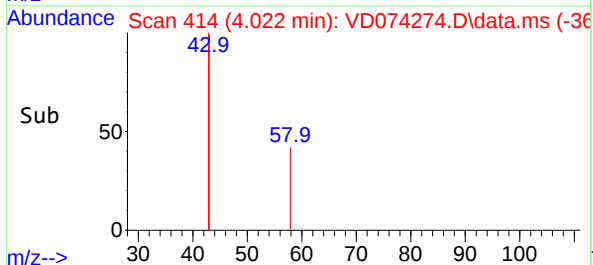
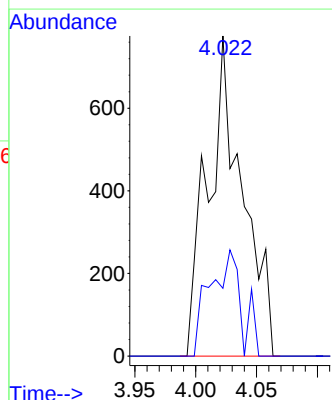
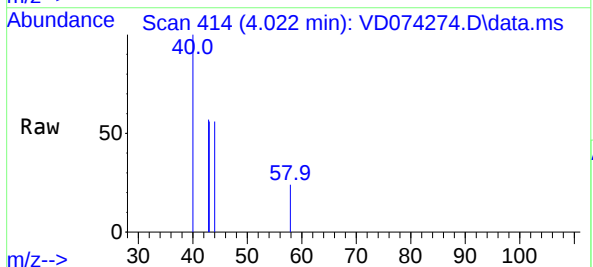
Instrument :
MSVOA_D
ClientSampleId :
72-11998

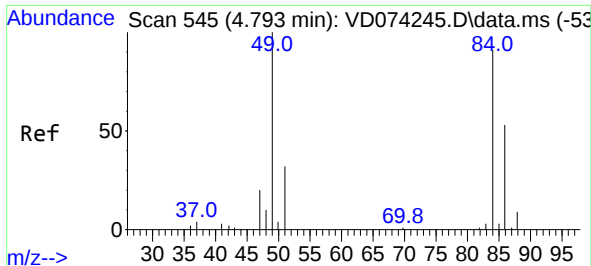
Tgt Ion:168 Resp: 36129
Ion Ratio Lower Upper
168 100
99 49.8 43.0 64.6



#16
Acetone
Concen: 20.163 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
58 21.2 26.4 39.6#



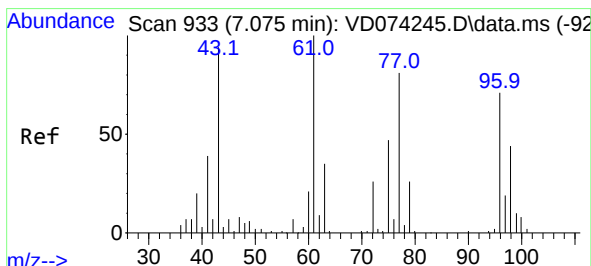
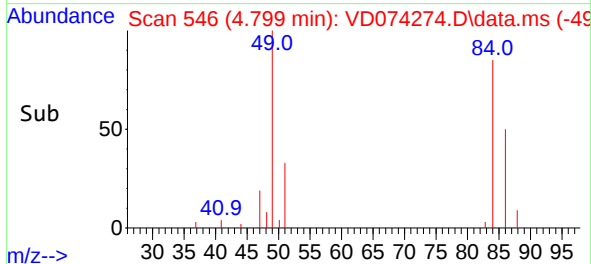
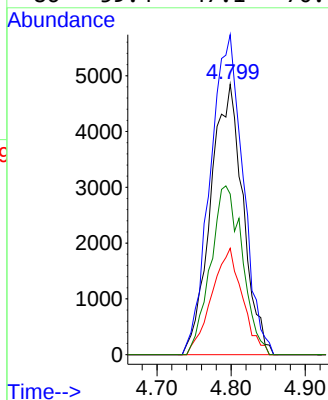
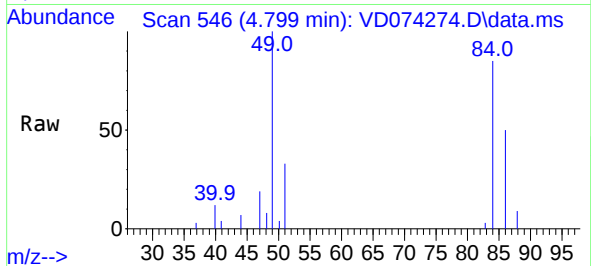


#20
Methylene Chloride
Concen: 29.230 ug/l
RT: 4.799 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :
72-11998

Tgt Ion: 84 Resp: 14702

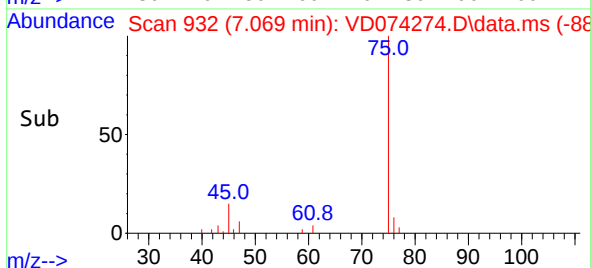
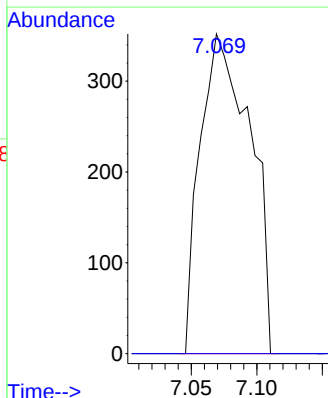
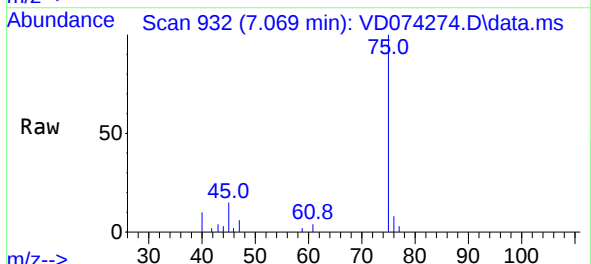
Ion	Ratio	Lower	Upper
84	100		
49	118.3	88.4	132.6
51	39.3	28.0	42.0
86	59.4	47.1	70.7

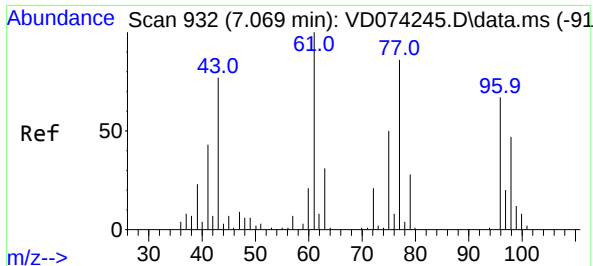


#25
2-Butanone
Concen: 7.358 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

Tgt Ion: 43 Resp: 933

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.8	32.6#

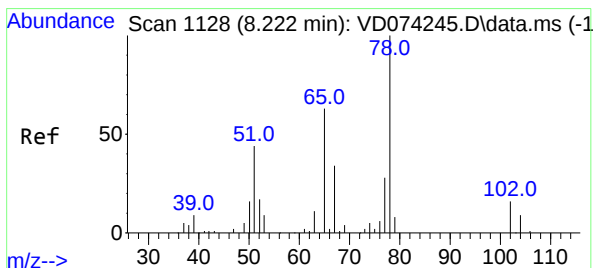
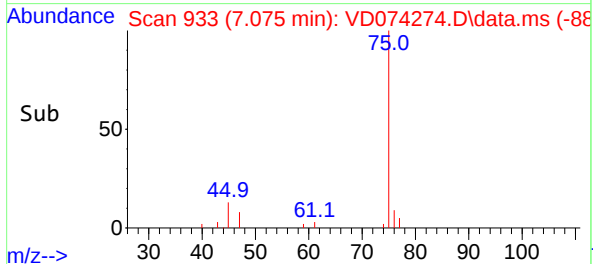
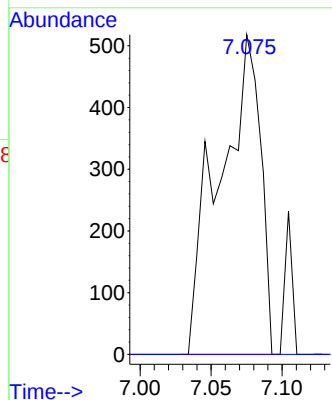
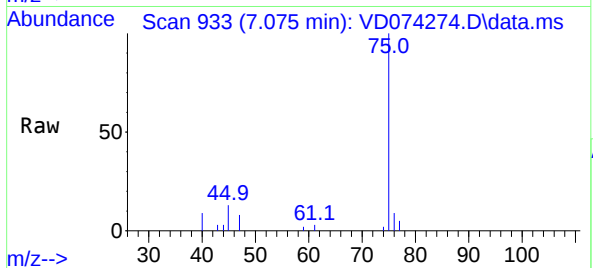




#26
2,2-Dichloropropane
Concen: 1.477 ug/l
RT: 7.075 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

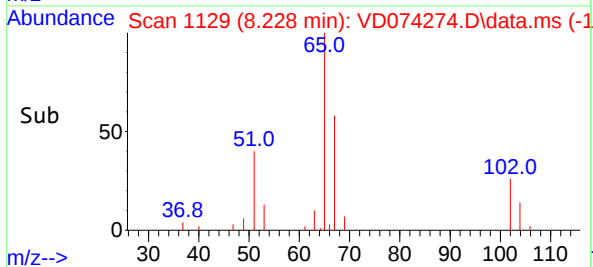
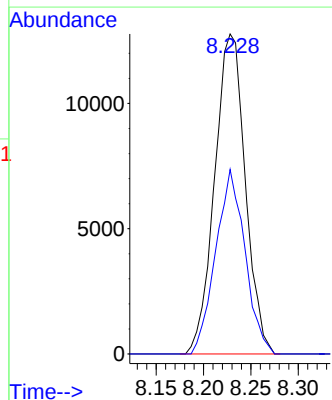
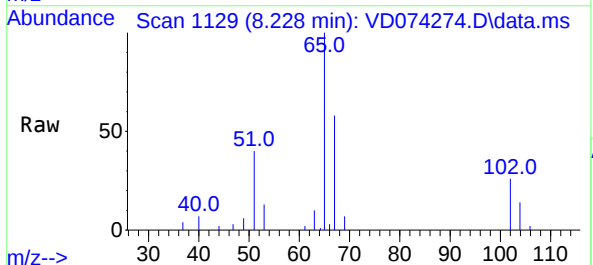
Instrument :
MSVOA_D
ClientSampleId :
72-11998

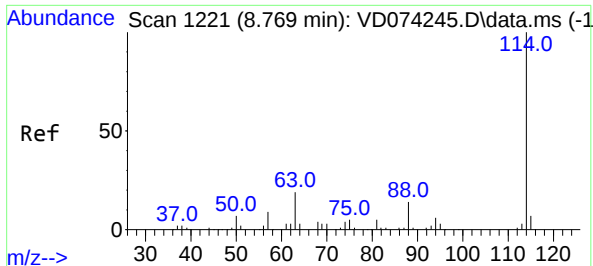
Tgt Ion: 77 Resp: 1044
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.4#



#33
1,2-Dichloroethane-d4
Concen: 78.056 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

Tgt Ion: 65 Resp: 28751
Ion Ratio Lower Upper
65 100
67 55.0 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074274.D

Acq: 13 Sep 2022 19:11

Instrument :

MSVOA_D

ClientSampleId :

72-11998

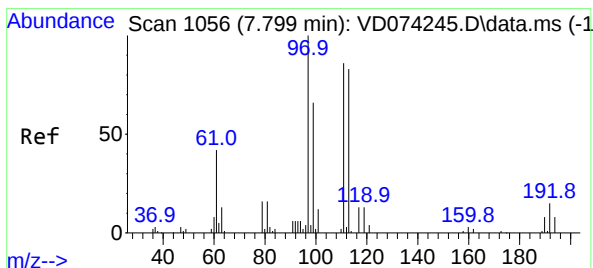
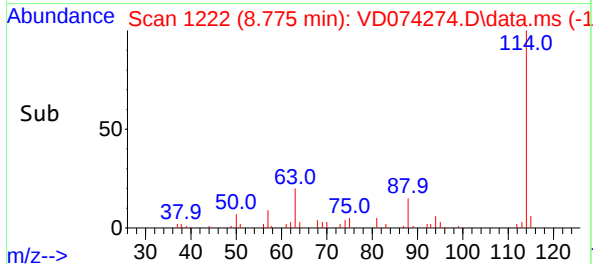
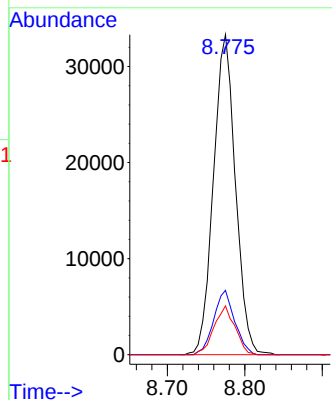
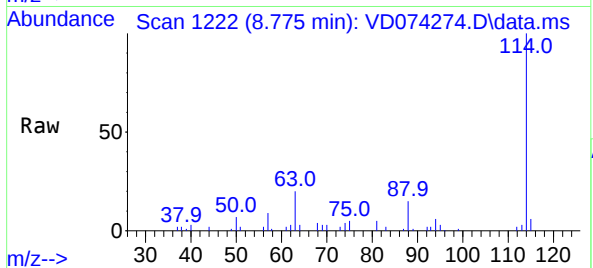
Tgt Ion:114 Resp: 65687

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.6

88 15.3 0.0 28.4



#35

Dibromofluoromethane

Concen: 56.315 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.005 min

Lab File: VD074274.D

Acq: 13 Sep 2022 19:11

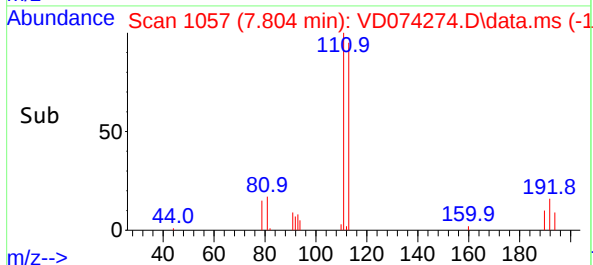
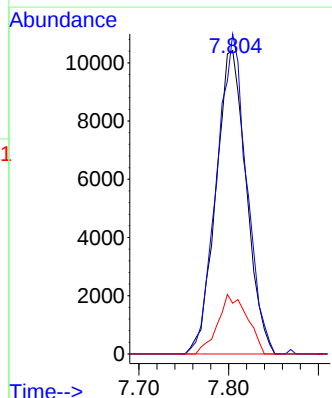
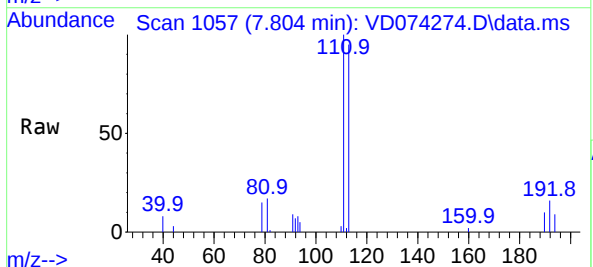
Tgt Ion:113 Resp: 24572

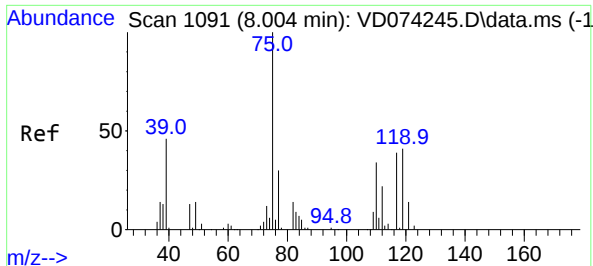
Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

192 18.9 16.2 24.2

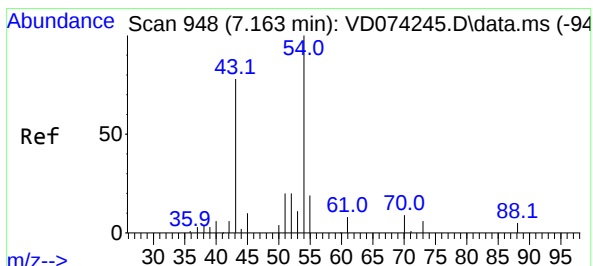
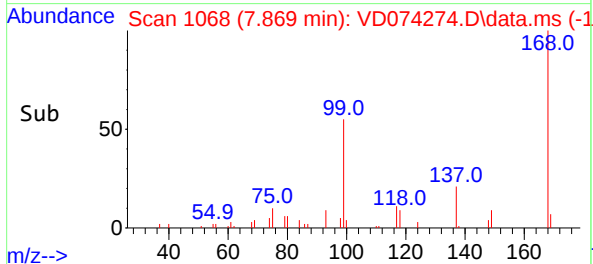
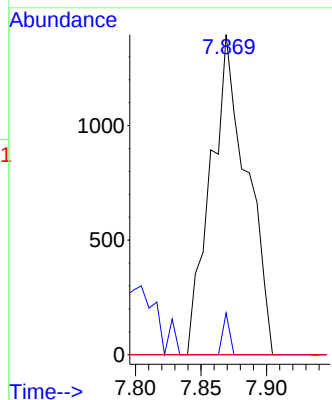
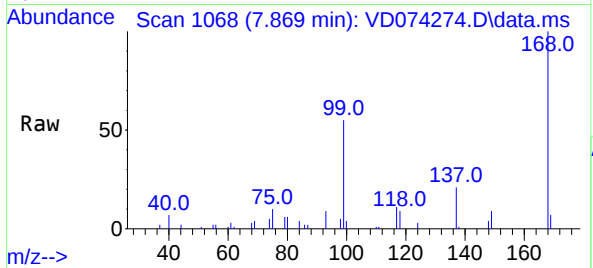




#36
1,1-Dichloropropene
Concen: 3.772 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

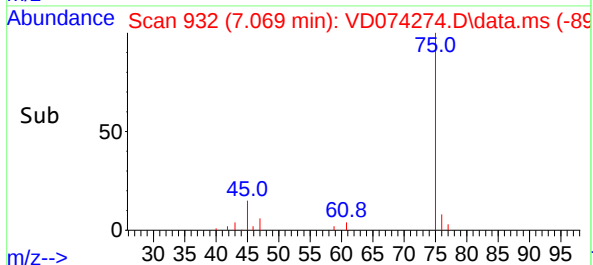
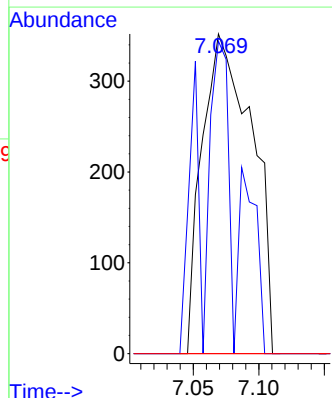
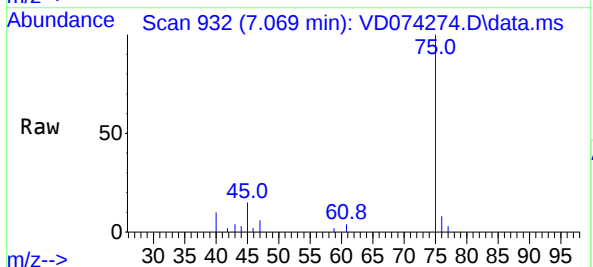
Instrument :
MSVOA_D
ClientSampleId :
72-11998

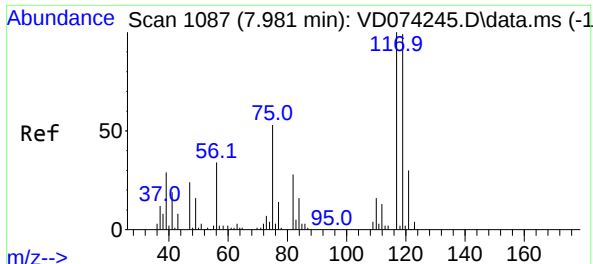
Tgt Ion: 75 Resp: 2682
Ion Ratio Lower Upper
75 100
110 2.4 17.5 52.5#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 3.026 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.094 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

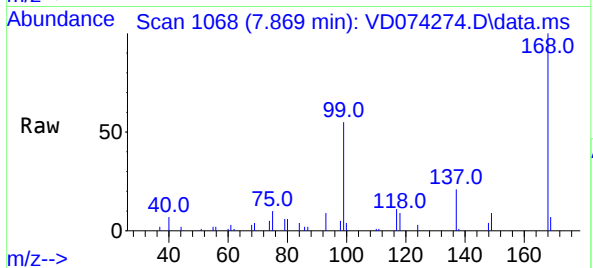
Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
61 35.3 12.1 18.1#
70 0.0 8.5 12.7#



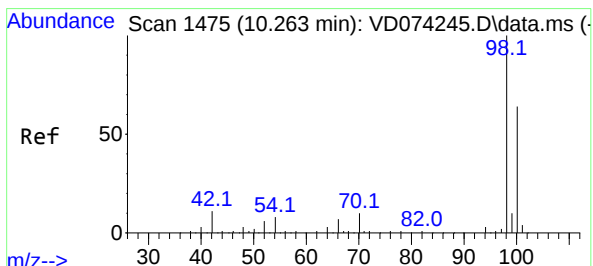
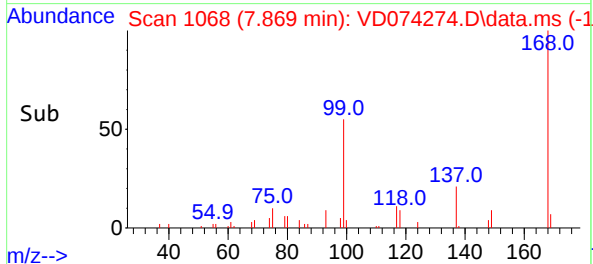
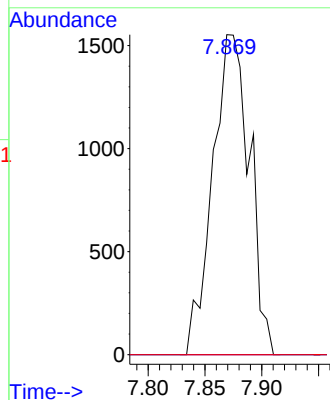


#38
Carbon Tetrachloride
Concen: 5.477 ug/l
RT: 7.869 min Scan# 1087
Delta R.T. -0.112 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :
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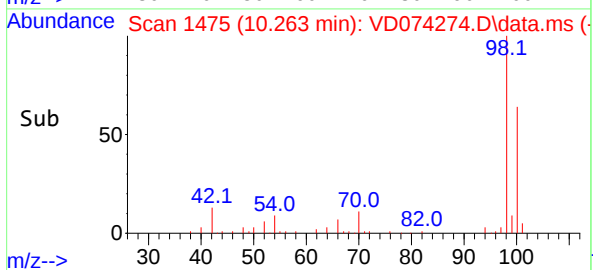
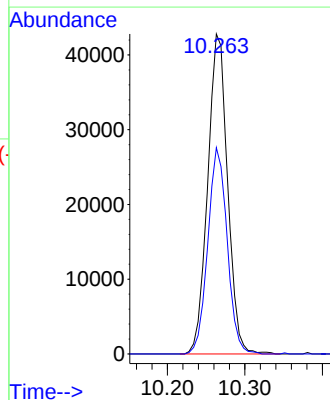
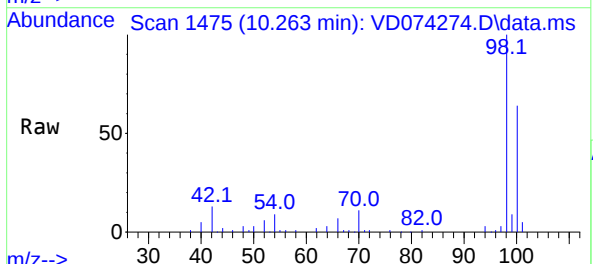


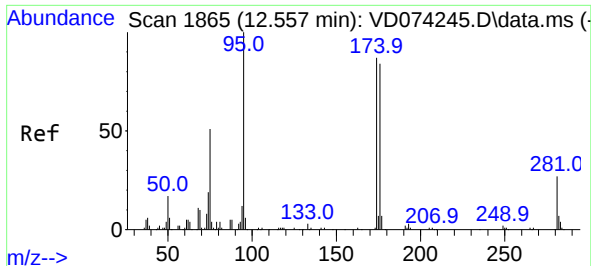
Tgt Ion:117 Resp: 3523
Ion Ratio Lower Upper
117 100
119 0.0 78.8 118.2#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 47.384 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

Tgt Ion: 98 Resp: 76297
Ion Ratio Lower Upper
98 100
100 62.7 51.8 77.8

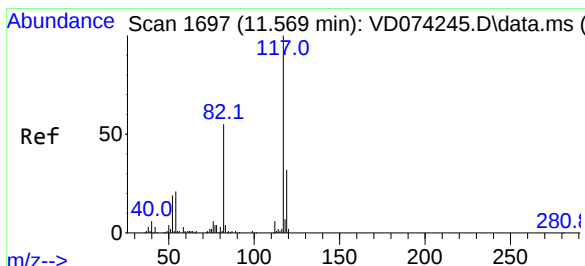
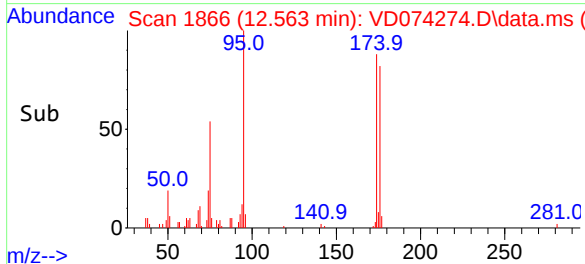
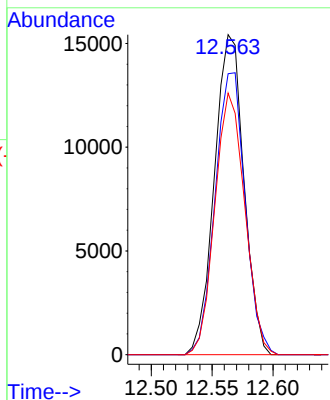
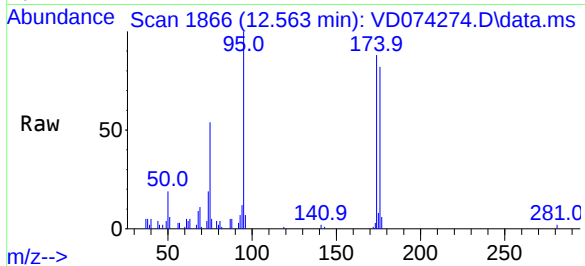




#62
4-Bromofluorobenzene
Concen: 45.654 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

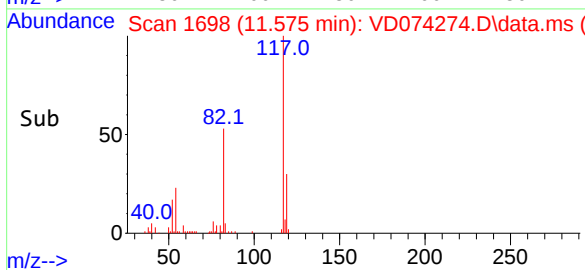
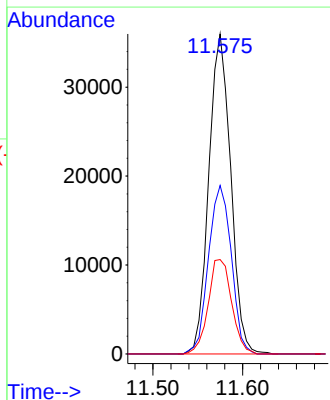
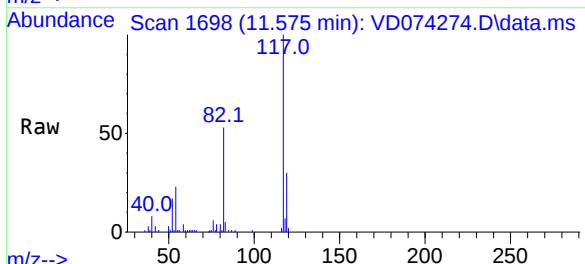
Instrument :
MSVOA_D
ClientSampleId :
72-11998

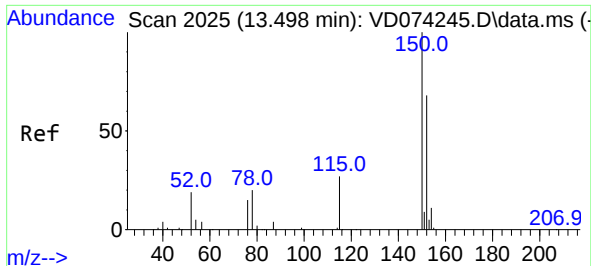
Tgt Ion: 95 Resp: 26012
Ion Ratio Lower Upper
95 100
174 89.6 0.0 179.2
176 82.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

Tgt Ion: 117 Resp: 60956
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 29.5 25.4 38.0

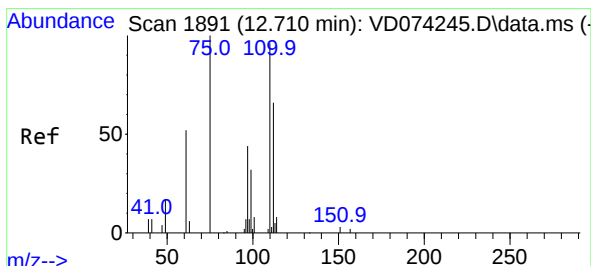
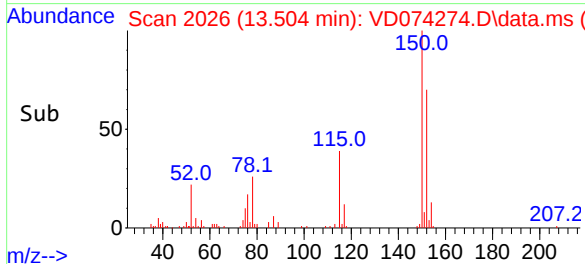
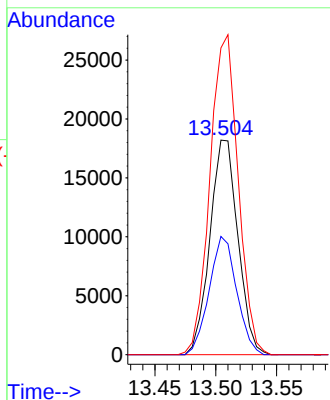
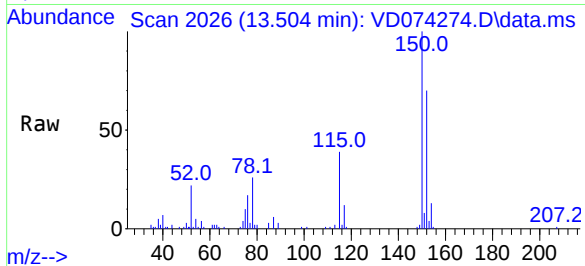




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.504 min Scan# 2025
 Delta R.T. 0.006 min
 Lab File: VD074274.D
 Acq: 13 Sep 2022 19:11

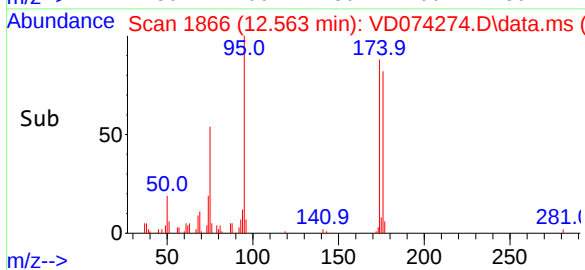
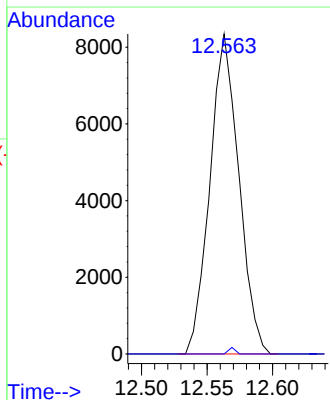
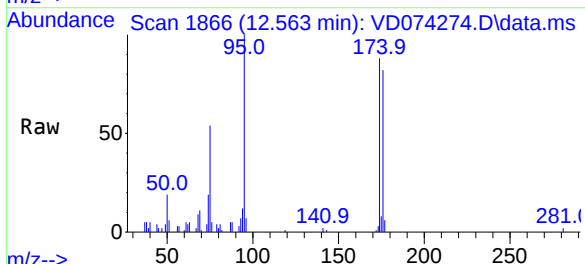
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11998

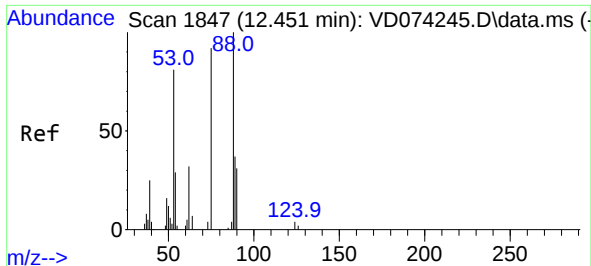
Tgt Ion:152 Resp: 29170
 Ion Ratio Lower Upper
 152 100
 115 54.2 28.4 85.2
 150 150.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 42.848 ug/l
 RT: 12.563 min Scan# 1866
 Delta R.T. -0.147 min
 Lab File: VD074274.D
 Acq: 13 Sep 2022 19:11

Tgt Ion: 75 Resp: 12813
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 105.643 ug/l
RT: 12.563 min Scan# 11
Delta R.T. 0.112 min
Lab File: VD074274.D
Acq: 13 Sep 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :
72-11998

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

