

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074971.D
 Acq On : 17 Nov 2022 15:56
 Operator : VA/SY
 Sample : N5642-11RE
 Misc : 6.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LEFT-SIDE-FLATS-31

Quant Time: Nov 17 22:36:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

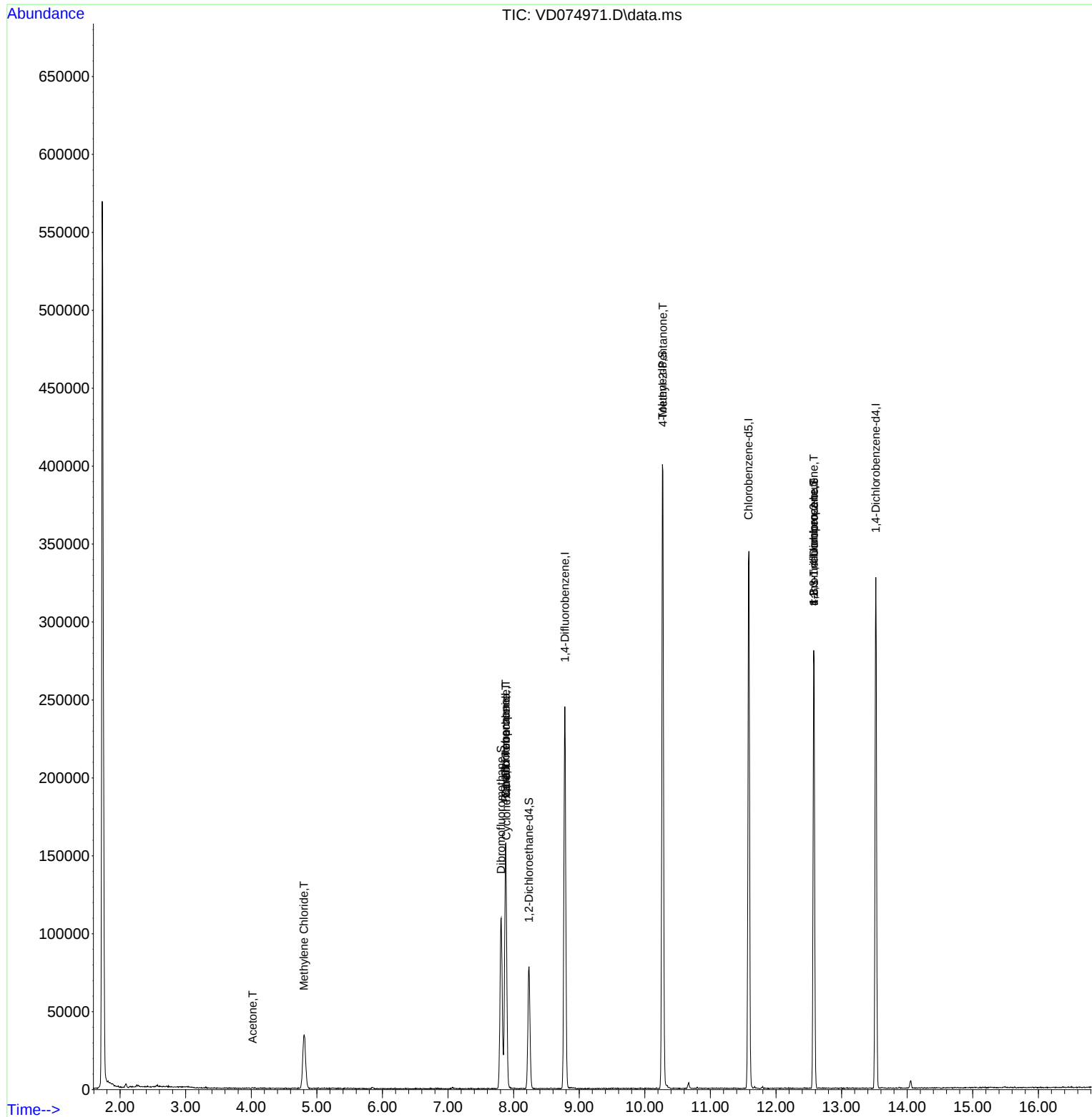
Internal Standards						
1) Pentafluorobenzene	7.875	168	128595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	235005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	219458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	95513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	61919	75.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.980%	
35) Dibromofluoromethane	7.810	113	80751	55.743	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.480%	
50) Toluene-d8	10.269	98	293187	61.440	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 122.880%	
62) 4-Bromofluorobenzene	12.575	95	83388	56.909	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	277	Below Cal	#	37
5) Bromomethane	2.711	94	336	Below Cal		93
16) Acetone	4.022	43	528	2.487	ug/l #	37
20) Methylene Chloride	4.805	84	30712	5.151	ug/l	94
31) Cyclohexane	7.887	56	2312	1.233	ug/l #	40
36) 1,1-Dichloropropene	7.881	75	8922	4.191	ug/l #	49
38) Carbon Tetrachloride	7.881	117	12217	6.096	ug/l #	18
51) 4-Methyl-2-Pentanone	10.275	43	952	1.587	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	41754	52.266	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	41754	128.576	ug/l #	17

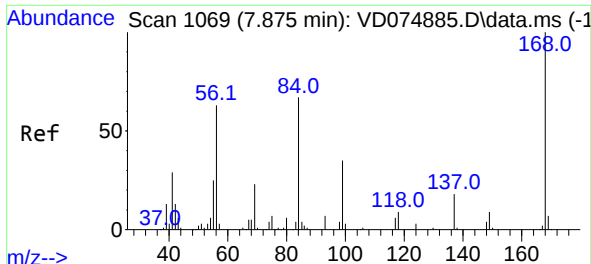
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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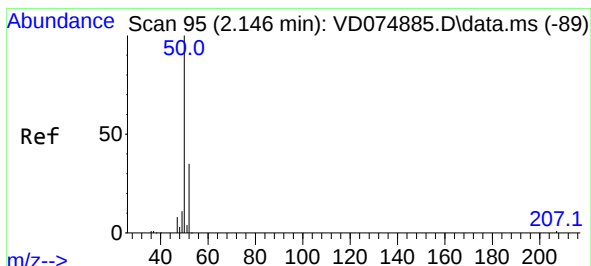
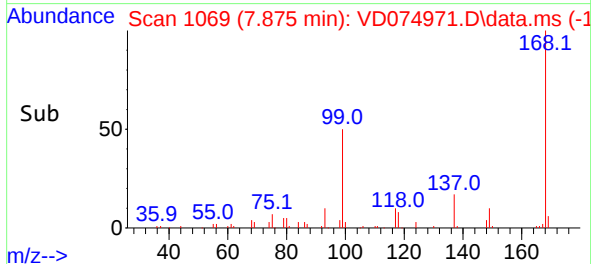
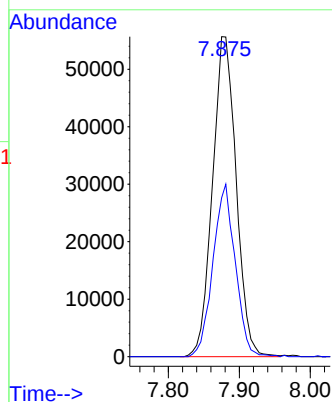
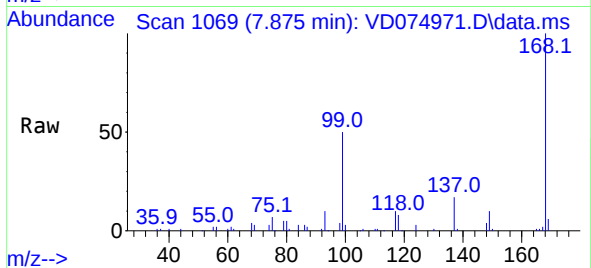




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56

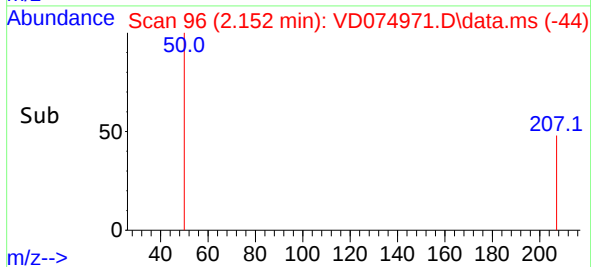
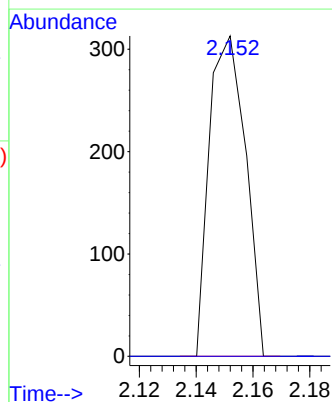
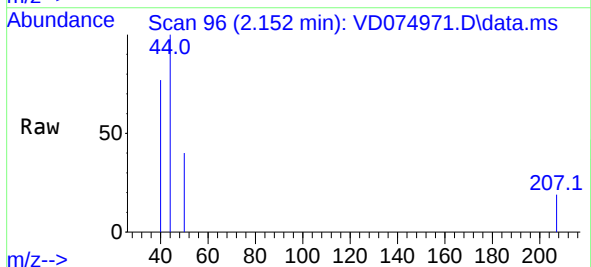
Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-31

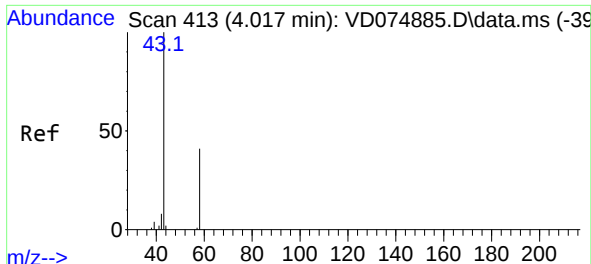
Tgt Ion:168 Resp: 128595
Ion Ratio Lower Upper
168 100
99 49.7 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56

Tgt Ion: 50 Resp: 277
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

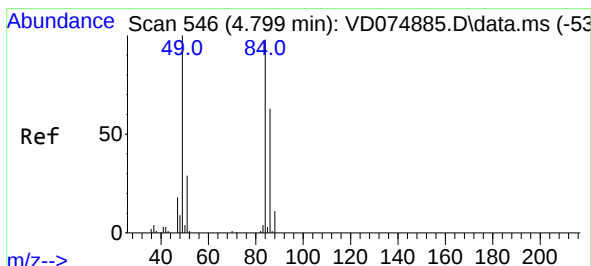
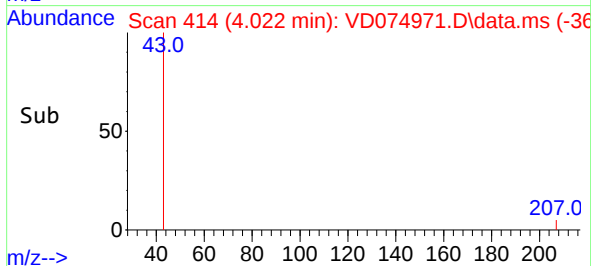
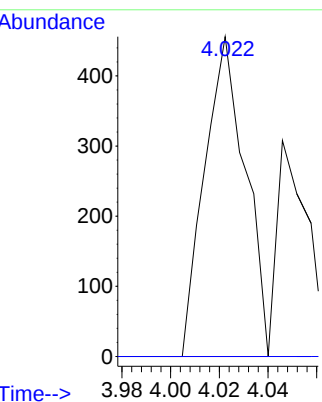
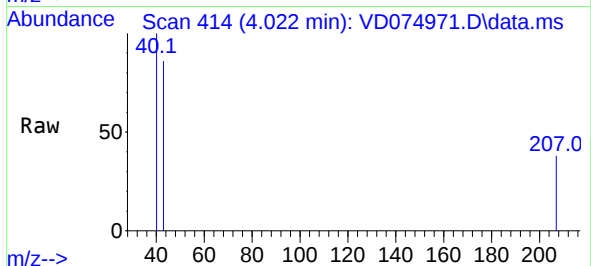




#16
Acetone
Concen: 2.487 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.005 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56

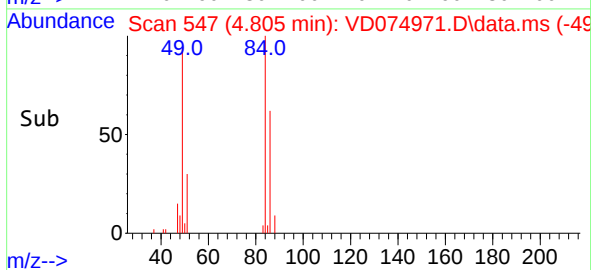
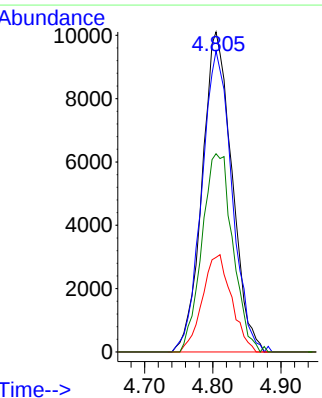
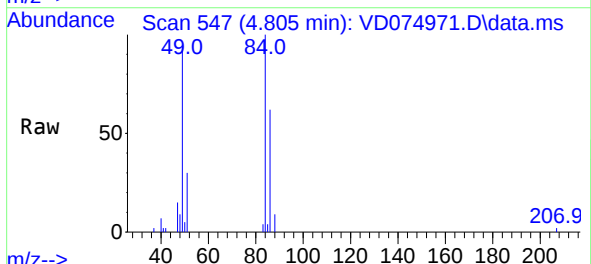
Instrument :
MSVOA_D
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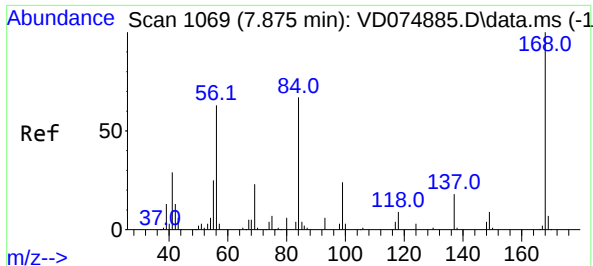
Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: 5.151 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56

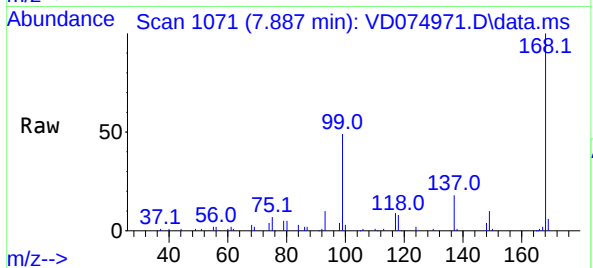
Tgt Ion: 84 Resp: 30712
Ion Ratio Lower Upper
84 100
49 94.1 68.0 102.0
51 29.6 23.2 34.8
86 61.9 48.0 72.0



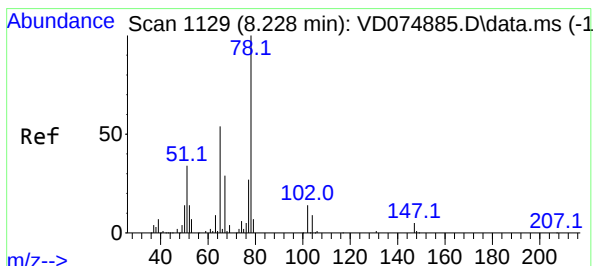
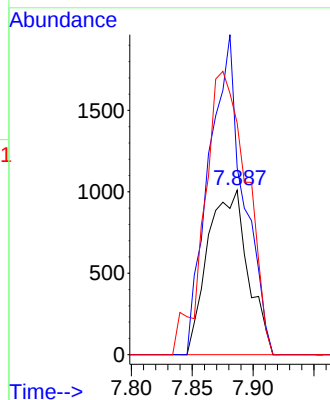
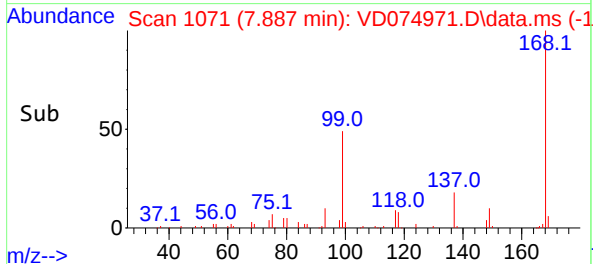


#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.887 min Scan# 1130
Delta R.T. 0.012 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56

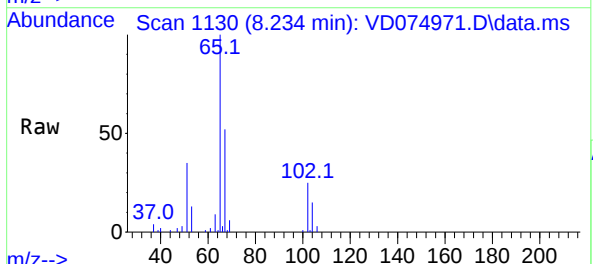
Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-31



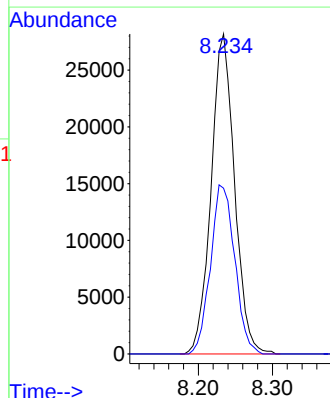
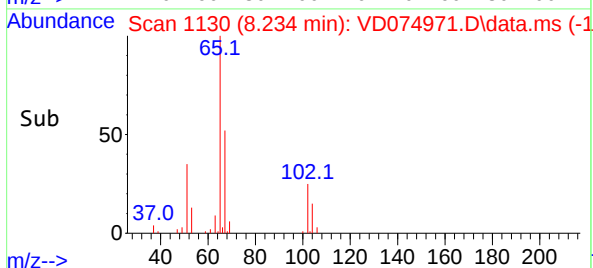
Tgt Ion: 56 Resp: 2312
Ion Ratio Lower Upper
56 100
69 113.9 29.2 43.8#
84 140.9 83.4 125.2#

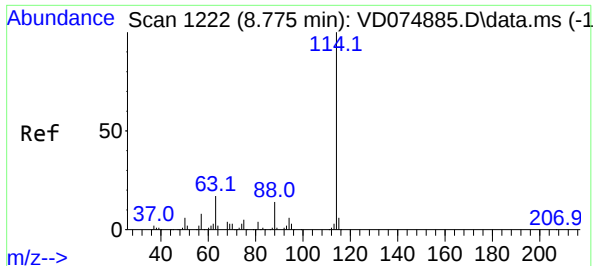


#33
1,2-Dichloroethane-d4
Concen: 75.485 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56



Tgt Ion: 65 Resp: 61919
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074971.D

Acq: 17 Nov 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

LEFT-SIDE-FLATS-31

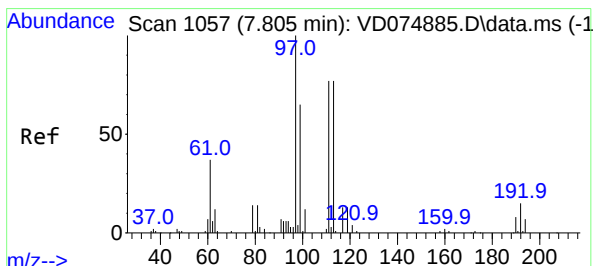
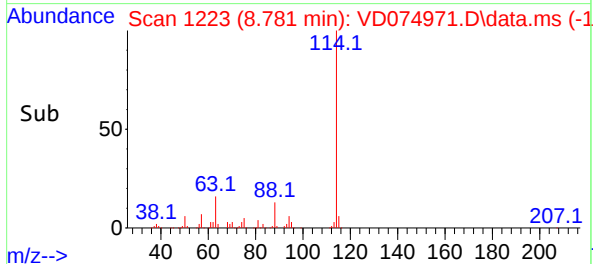
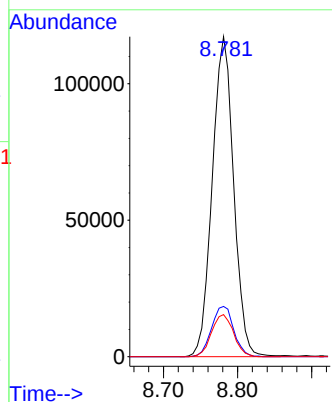
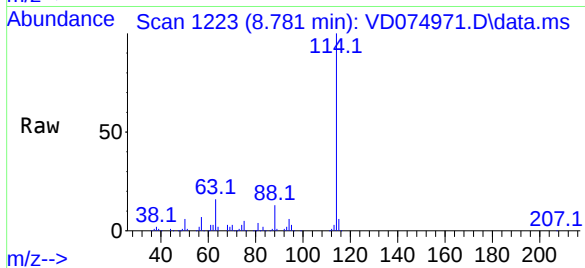
Tgt Ion:114 Resp: 235005

Ion Ratio Lower Upper

114 100

63 15.7 0.0 33.2

88 13.1 0.0 28.2



#35

Dibromofluoromethane

Concen: 55.743 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074971.D

Acq: 17 Nov 2022 15:56

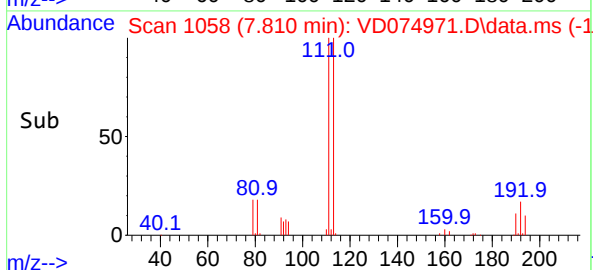
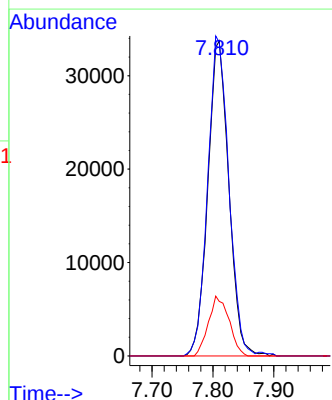
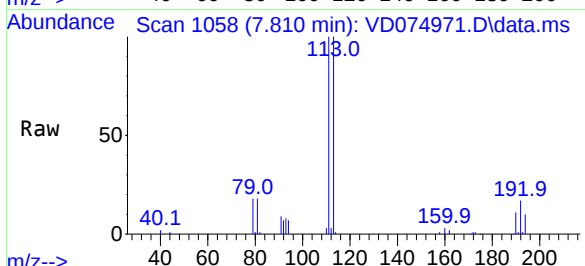
Tgt Ion:113 Resp: 80751

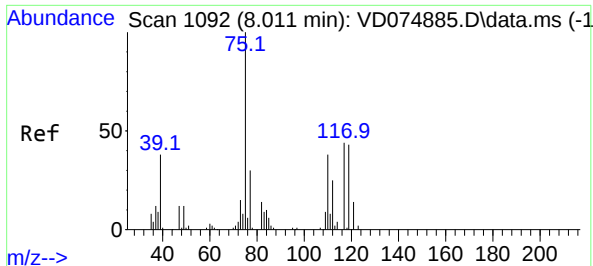
Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

192 18.6 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.191 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD074971.D

Acq: 17 Nov 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

LEFT-SIDE-FLATS-31

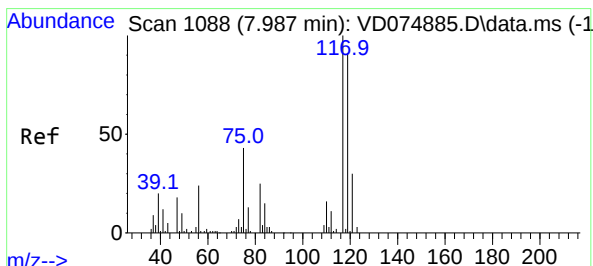
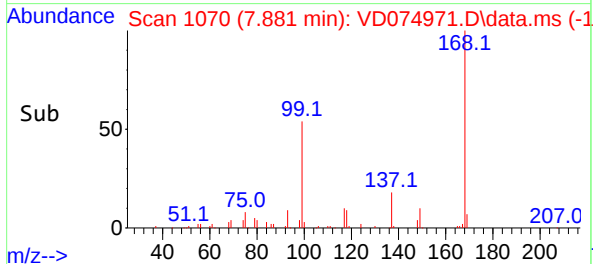
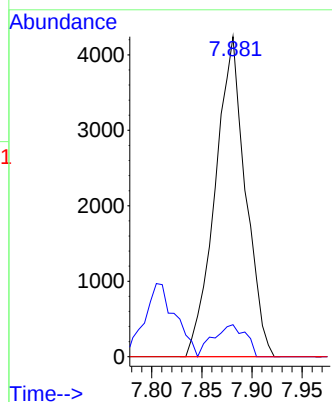
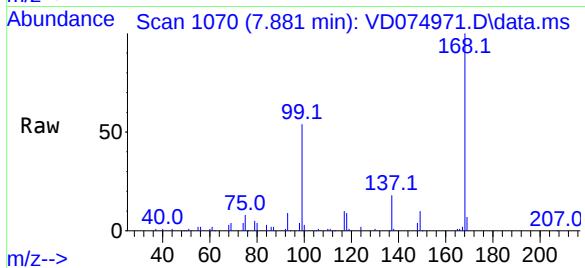
Tgt Ion: 75 Resp: 8922

Ion Ratio Lower Upper

75 100

110 10.6 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.096 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074971.D

Acq: 17 Nov 2022 15:56

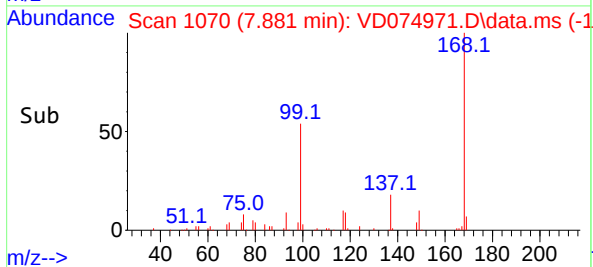
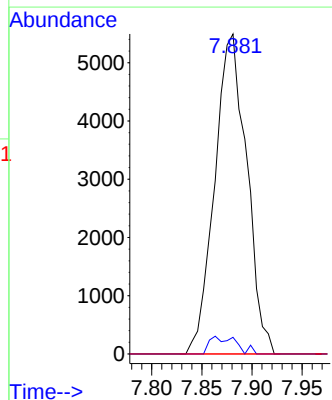
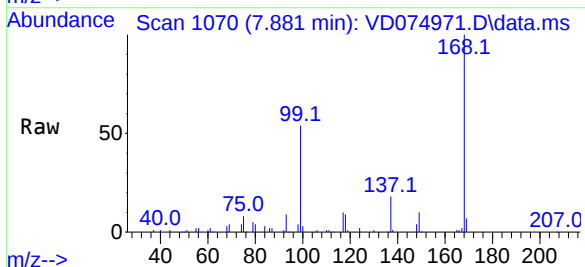
Tgt Ion: 117 Resp: 12217

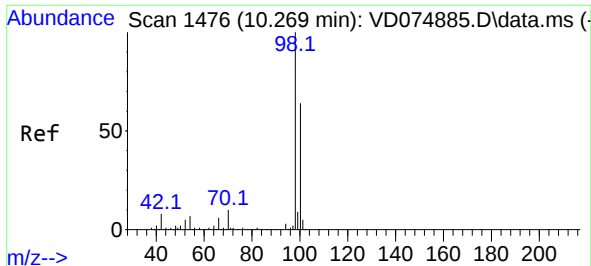
Ion Ratio Lower Upper

117 100

119 5.2 73.1 109.7#

121 0.0 25.0 37.6#

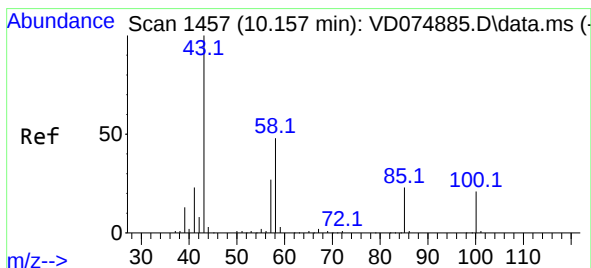
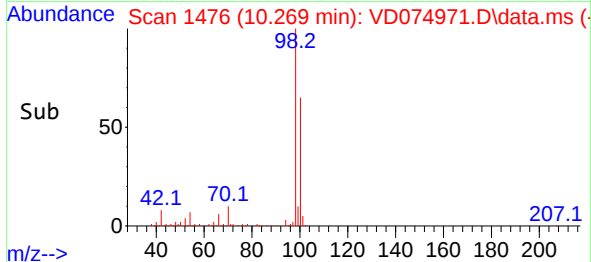
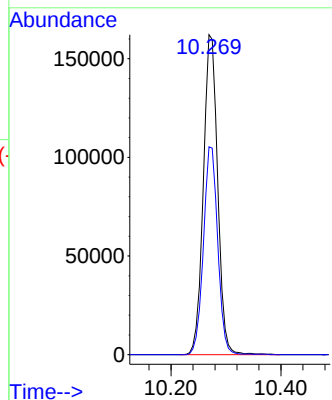
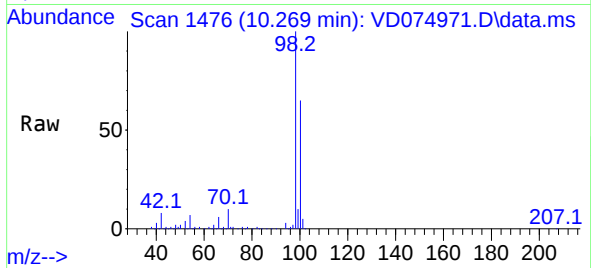




#50
Toluene-d8
Concen: 61.440 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56

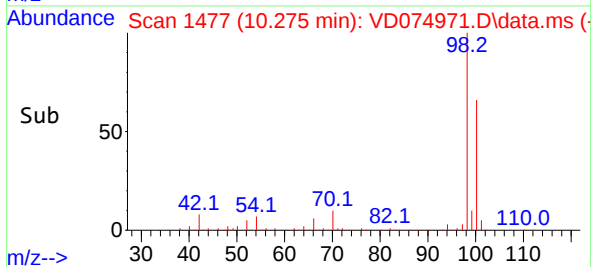
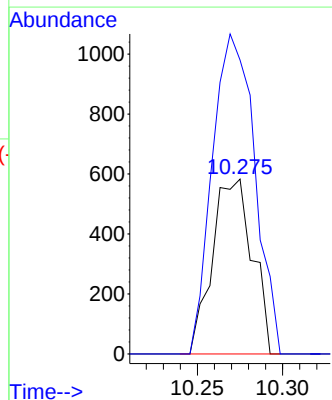
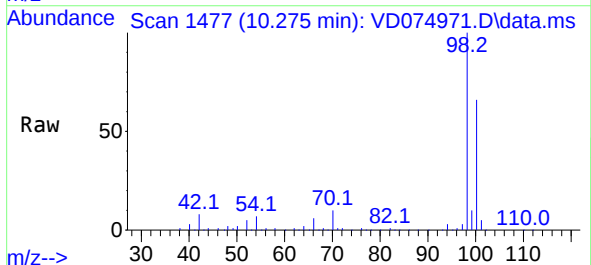
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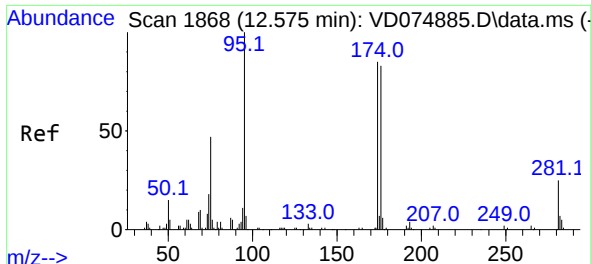
Tgt Ion: 98 Resp: 293187
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.587 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56

Tgt Ion: 43 Resp: 952
Ion Ratio Lower Upper
43 100
58 193.6 37.8 56.6#

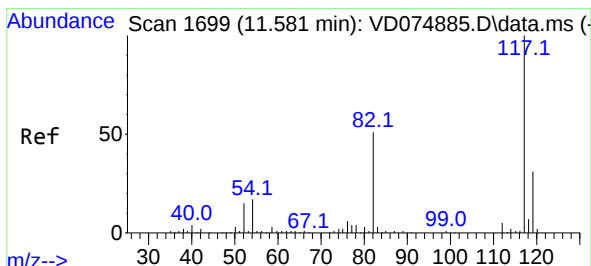
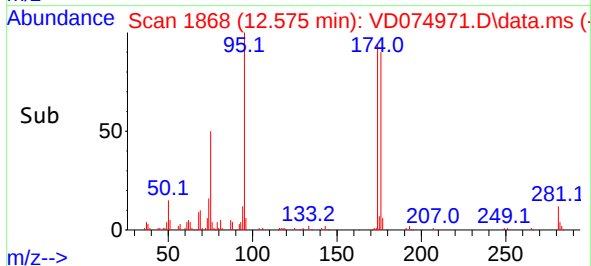
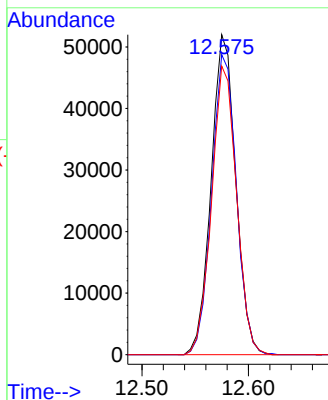
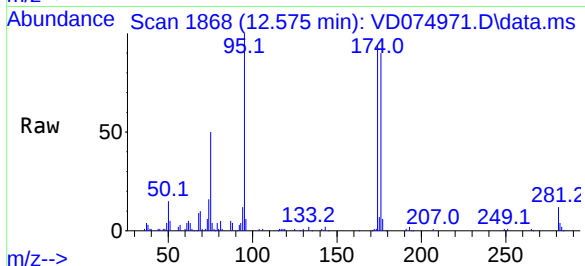




#62
4-Bromofluorobenzene
Concen: 56.909 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56

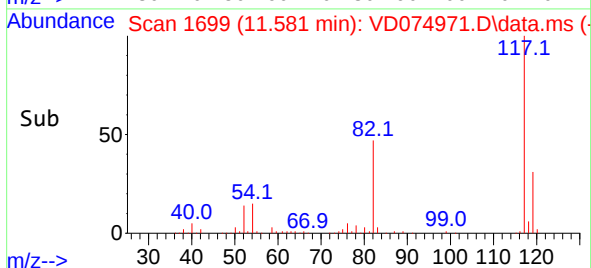
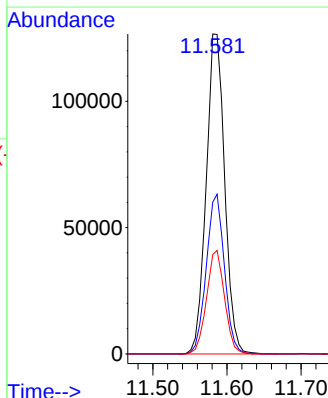
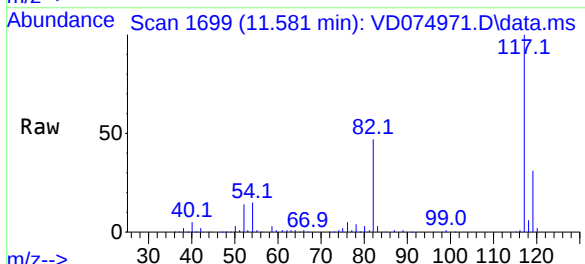
Instrument :
MSVOA_D
ClientSampleId :
LEFT-SIDE-FLATS-31

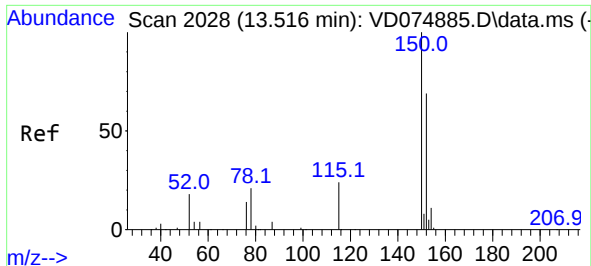
Tgt Ion:	95	Resp:	83388
Ion	Ratio	Lower	Upper
95	100		
174	94.1	0.0	197.0
176	91.3	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074971.D
Acq: 17 Nov 2022 15:56

Tgt Ion:	117	Resp:	219458
Ion	Ratio	Lower	Upper
117	100		
82	47.5	41.6	62.4
119	31.1	25.2	37.8

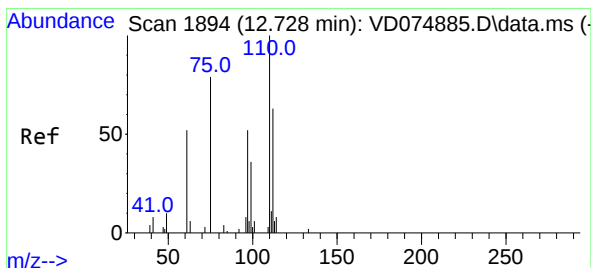
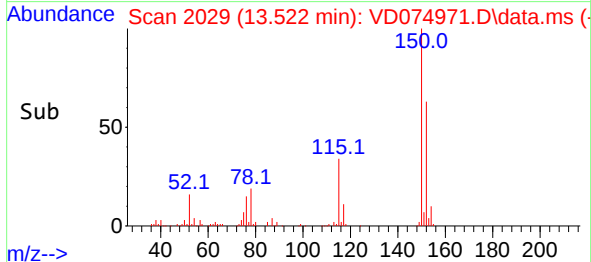
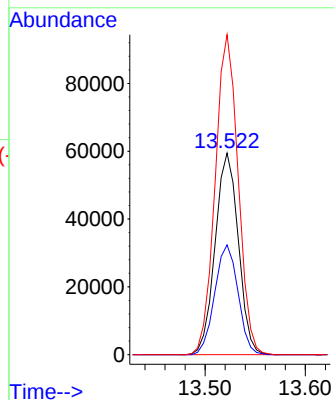
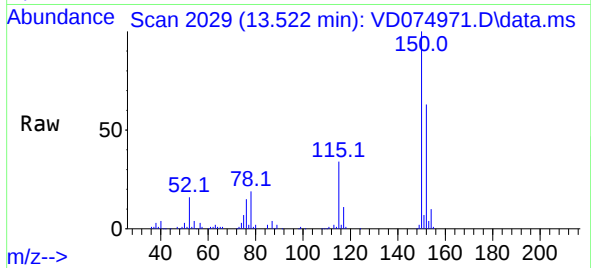




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD074971.D
 Acq: 17 Nov 2022 15:56

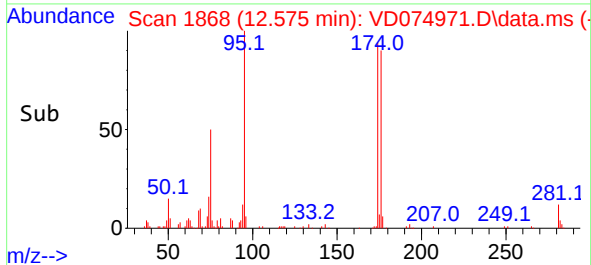
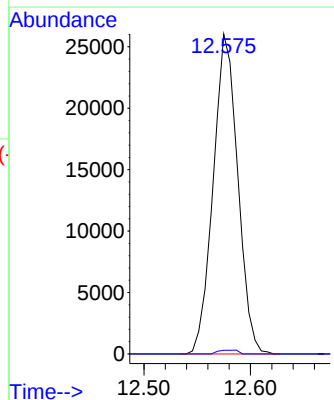
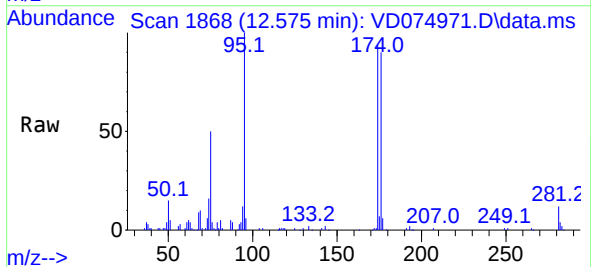
Instrument :
 MSVOA_D
 ClientSampleId :
 LEFT-SIDE-FLATS-31

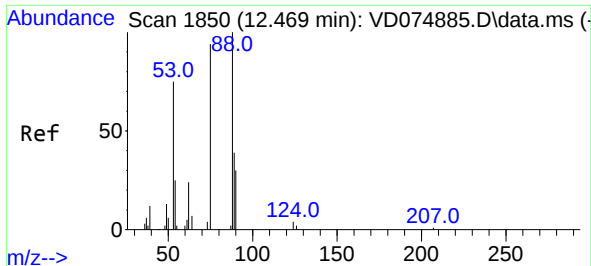
Tgt Ion:152 Resp: 95513
 Ion Ratio Lower Upper
 152 100
 115 54.7 26.8 80.4
 150 156.9 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 52.266 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD074971.D
 Acq: 17 Nov 2022 15:56

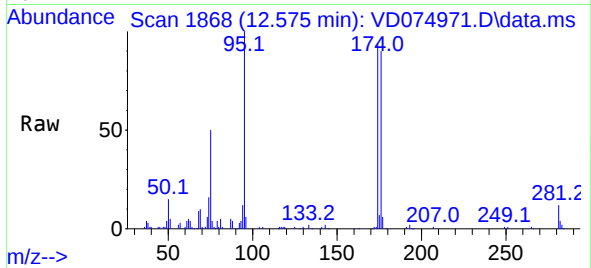
Tgt Ion: 75 Resp: 41754
 Ion Ratio Lower Upper
 75 100
 77 1.0 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.576 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074971.D
 Acq: 17 Nov 2022 15:56

Instrument :
 MSVOA_D
 ClientSampleId :
 LEFT-SIDE-FLATS-31



Tgt Ion:	75	Resp:	41754
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

