

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102022\
 Data File : VD074601.D
 Acq On : 20 Oct 2022 16:51
 Operator : VA/SY
 Sample : N5219-02
 Misc : 6.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BACKYARD-BOTTOM-A

Quant Time: Oct 21 03:08:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

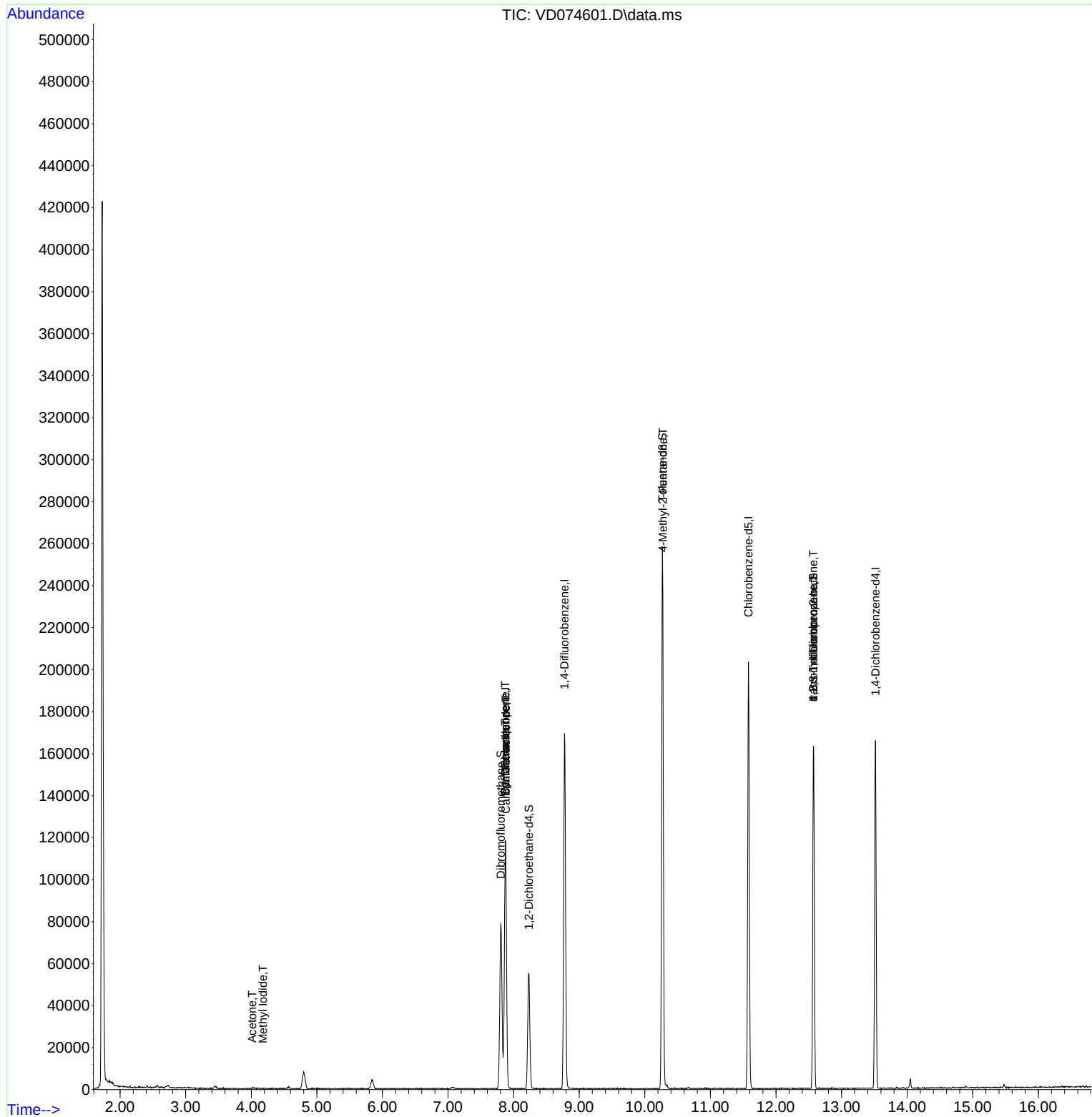
Internal Standards						
1) Pentafluorobenzene	7.875	168	98673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	166160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	127563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	48577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	44173	58.635	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.280%
35) Dibromofluoromethane	7.805	113	56661	61.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.620%
50) Toluene-d8	10.269	98	189791	57.067	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	114.140%
62) 4-Bromofluorobenzene	12.569	95	46921	49.003	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.000%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.175	142	82	3.995	ug/l #	43
16) Acetone	4.017	43	502	3.052	ug/l	91
20) Methylene Chloride	4.805	84	6780	Below Cal	#	77
31) Cyclohexane	7.875	56	1576	1.041	ug/l #	29
36) 1,1-Dichloropropene	7.875	75	6472	4.336	ug/l #	46
38) Carbon Tetrachloride	7.881	117	8904	6.092	ug/l #	18
51) 4-Methyl-2-Pentanone	10.275	43	548	1.259	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	23312	54.960	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	23312	140.451	ug/l #	17

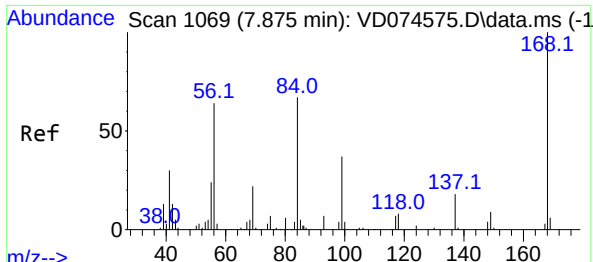
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 20 06:41:20 2022
Response via : Initial Calibration

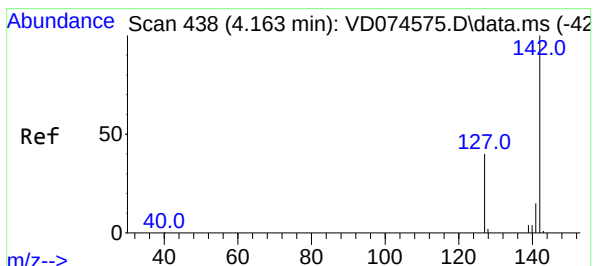
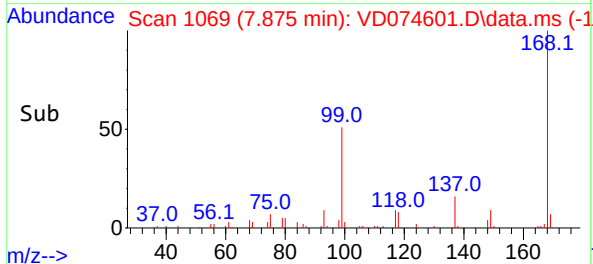
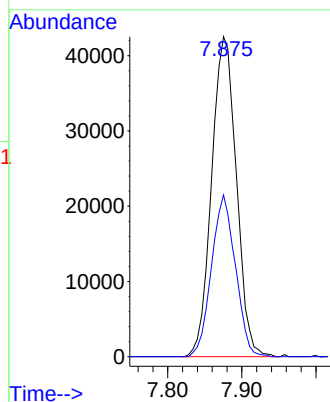
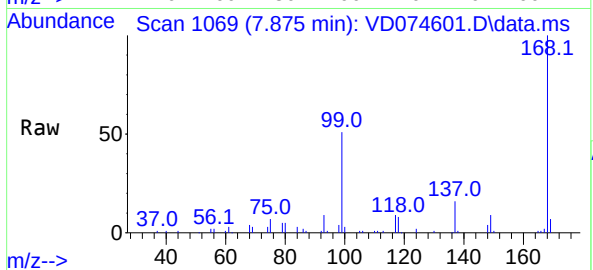




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

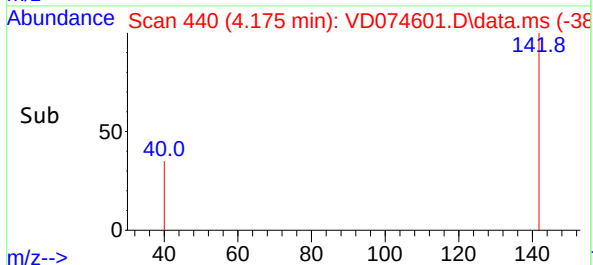
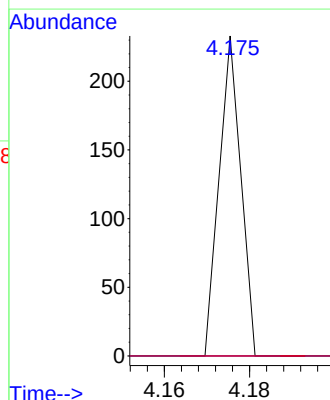
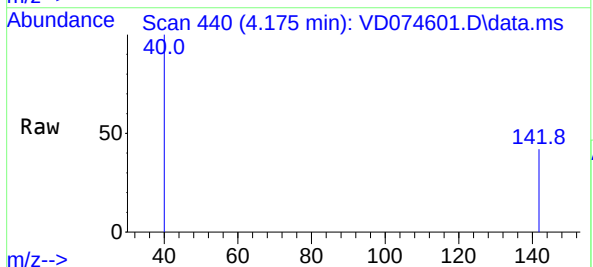
Instrument :
MSVOA_D
ClientSampleId :
BACKYARD-BOTTOM-A

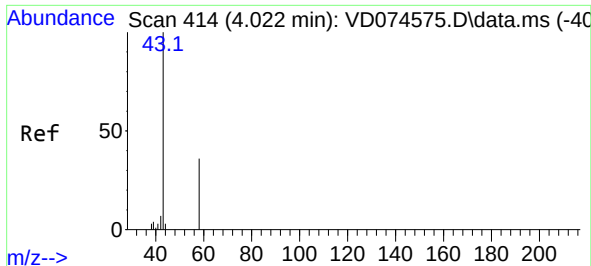
Tgt Ion:168 Resp: 98673
Ion Ratio Lower Upper
168 100
99 50.5 40.9 61.3



#10
Methyl Iodide
Concen: 3.995 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.017 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

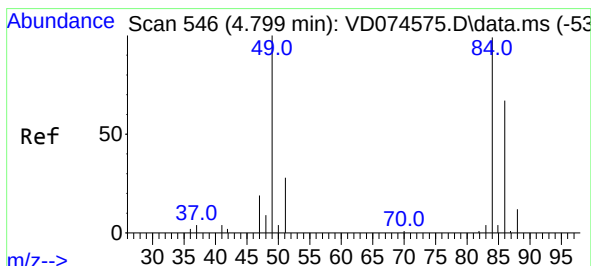
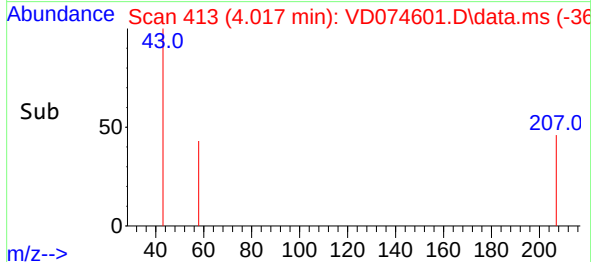
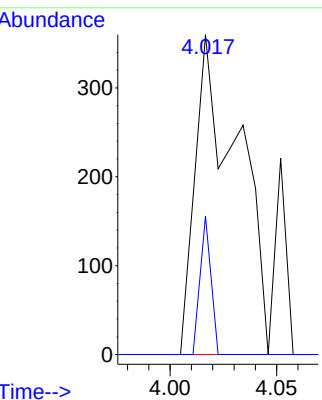
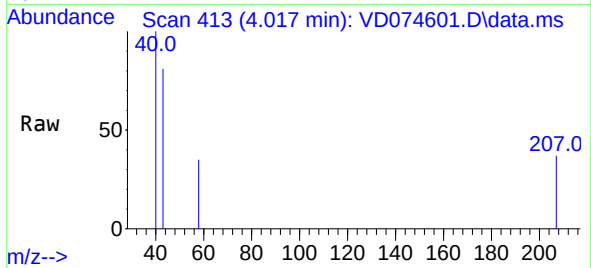




#16
Acetone
Concen: 3.052 ug/l
RT: 4.017 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

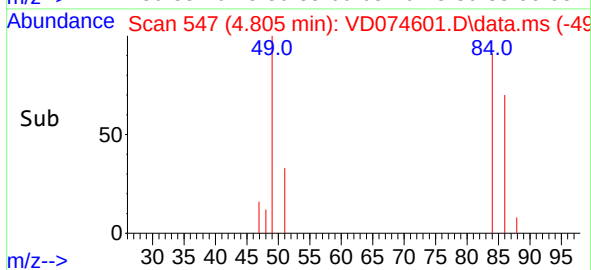
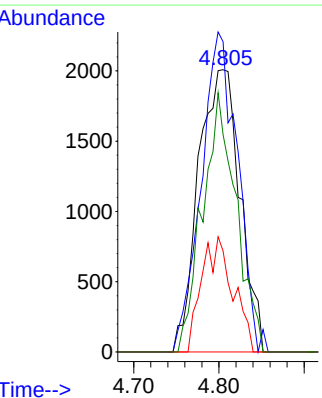
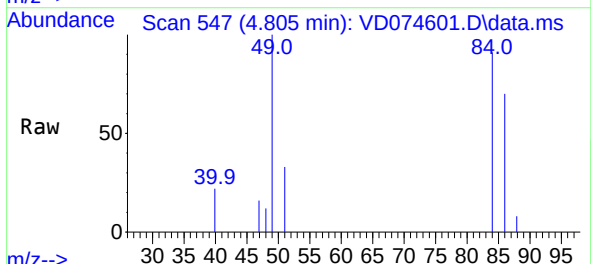
Instrument :
MSVOA_D
ClientSampleId :
BACKYARD-BOTTOM-A

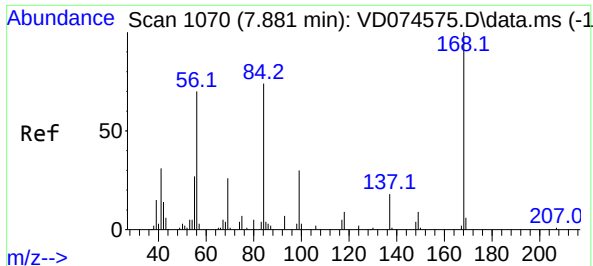
Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
58 43.3 30.2 45.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

Tgt Ion: 84 Resp: 6780
Ion Ratio Lower Upper
84 100
49 110.0 68.0 102.0#
51 35.8 23.2 34.8#
86 77.0 48.0 72.0#

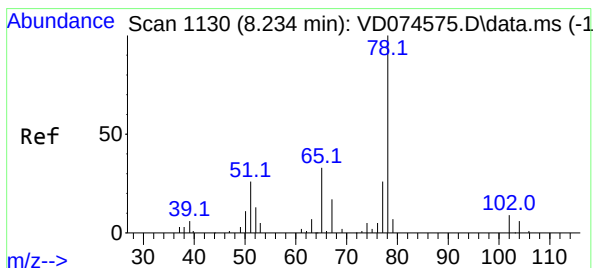
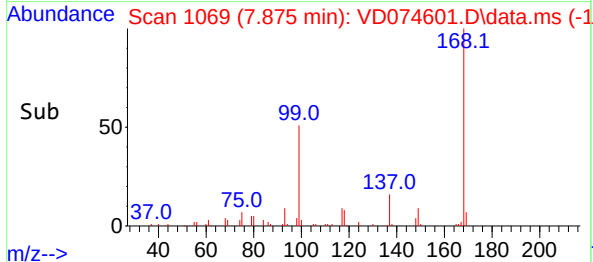
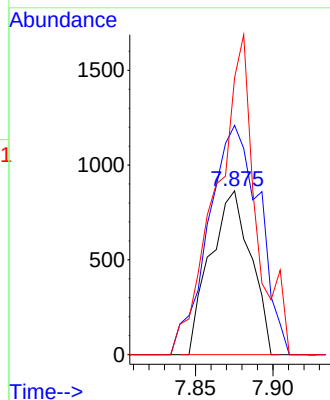
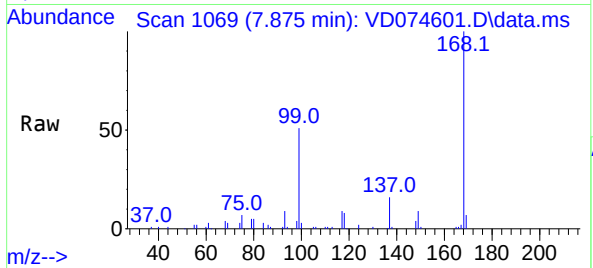




#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

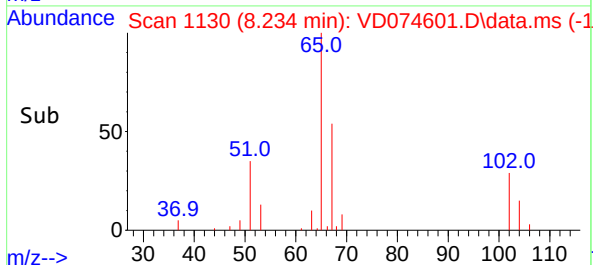
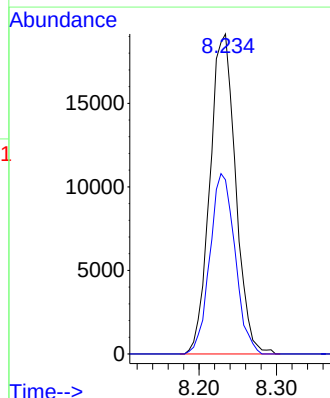
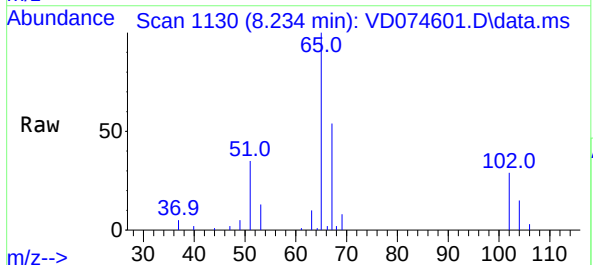
Instrument :
MSVOA_D
ClientSampleId :
BACKYARD-BOTTOM-A

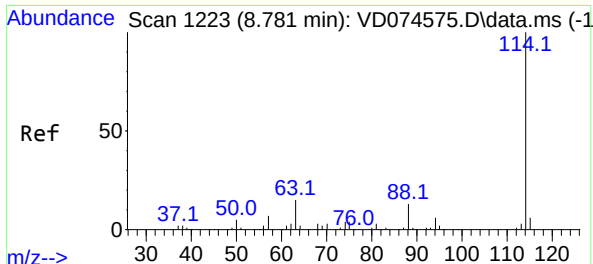
Tgt Ion: 56 Resp: 1576
Ion Ratio Lower Upper
56 100
69 121.3 29.2 43.8#
84 150.6 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 58.635 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

Tgt Ion: 65 Resp: 44173
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.2

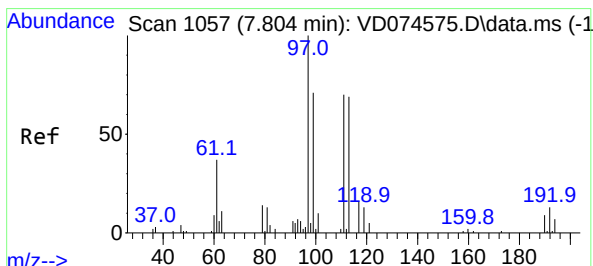
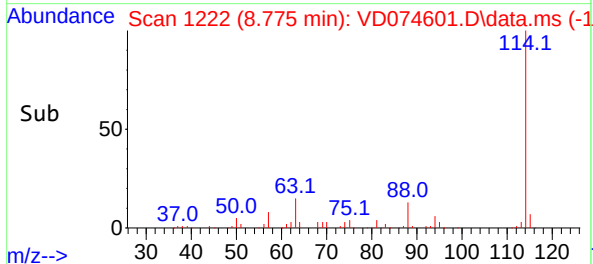
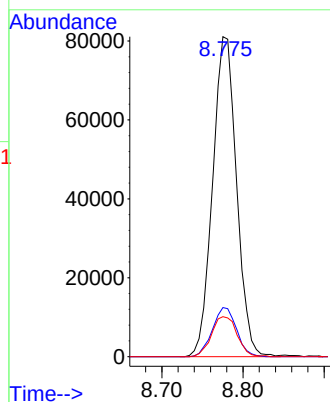
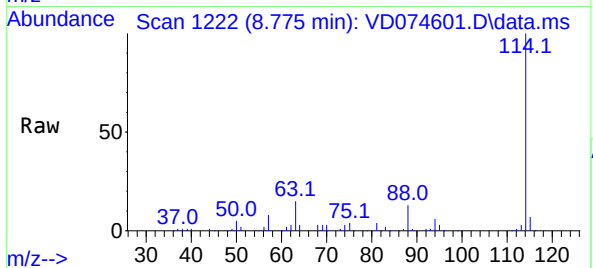




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

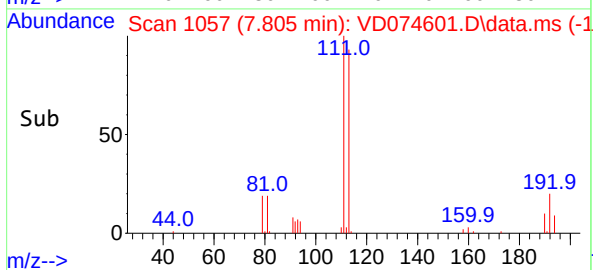
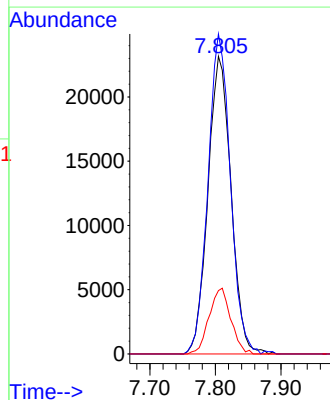
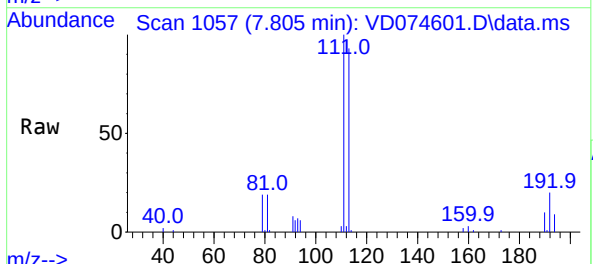
Instrument :
MSVOA_D
ClientSampleId :
BACKYARD-BOTTOM-A

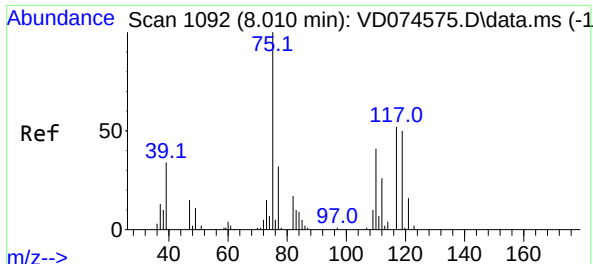
Tgt Ion:114 Resp: 166160
Ion Ratio Lower Upper
114 100
63 15.3 0.0 33.2
88 12.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 61.809 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

Tgt Ion:113 Resp: 56661
Ion Ratio Lower Upper
113 100
111 104.2 82.3 123.5
192 20.8 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.336 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074601.D

Acq: 20 Oct 2022 16:51

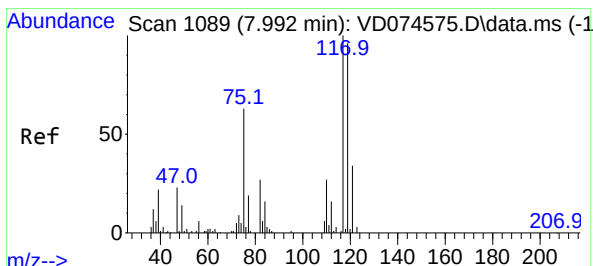
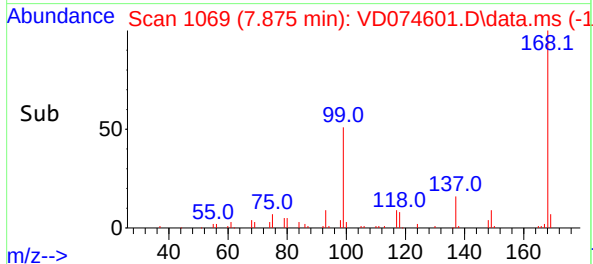
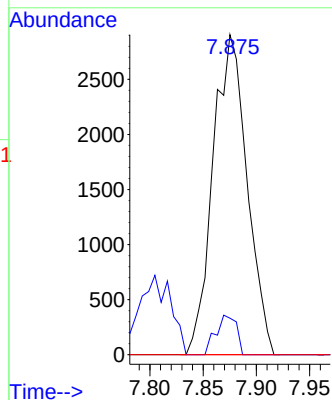
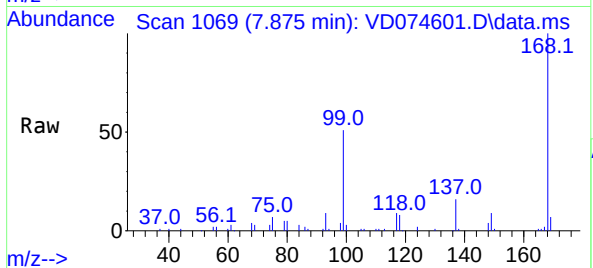
Instrument :

MSVOA_D

ClientSampleId :

BACKYARD-BOTTOM-A

Tgt Ion:	75	Resp:	6472
Ion	Ratio	Lower	Upper
75	100		
110	7.4	19.7	59.0#
77	0.0	25.4	38.2#



#38

Carbon Tetrachloride

Concen: 6.092 ug/l

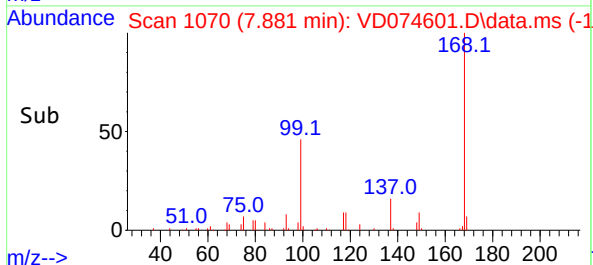
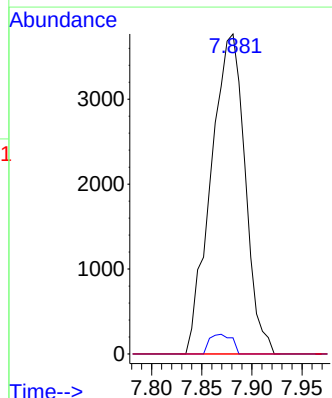
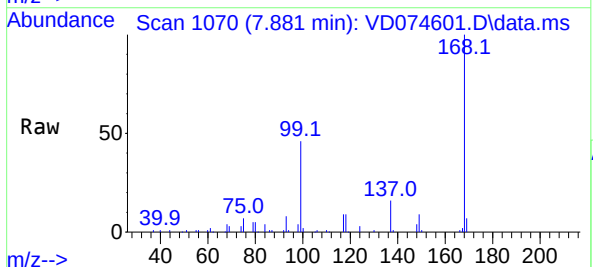
RT: 7.881 min Scan# 1070

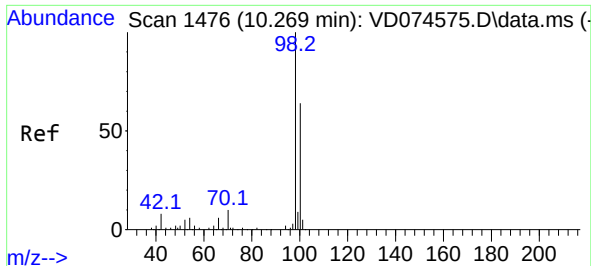
Delta R.T. -0.106 min

Lab File: VD074601.D

Acq: 20 Oct 2022 16:51

Tgt Ion:	117	Resp:	8904
Ion	Ratio	Lower	Upper
117	100		
119	5.0	73.1	109.7#
121	0.0	25.0	37.6#

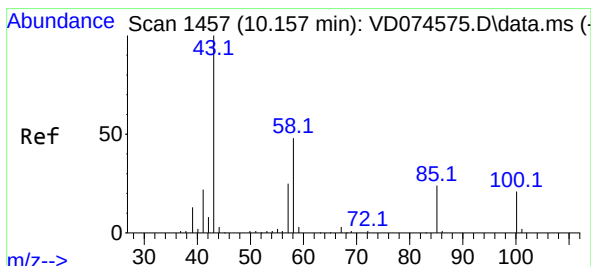
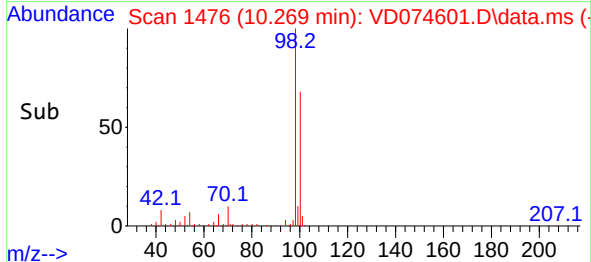
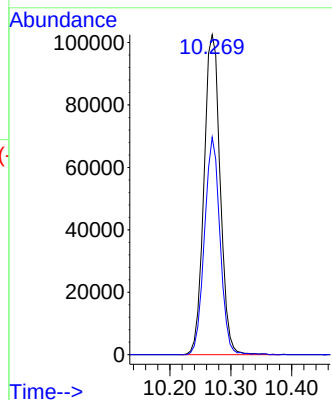
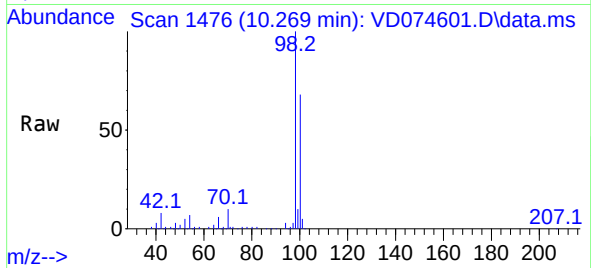




#50
Toluene-d8
Concen: 57.067 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

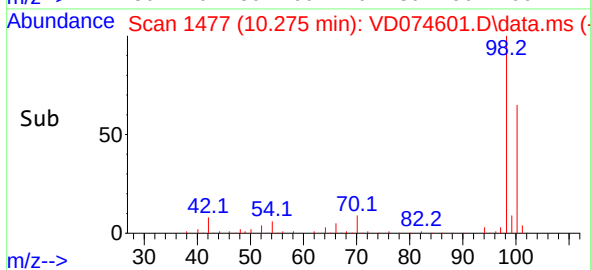
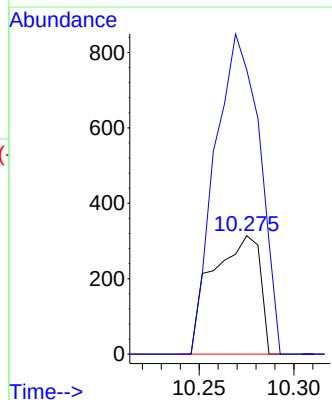
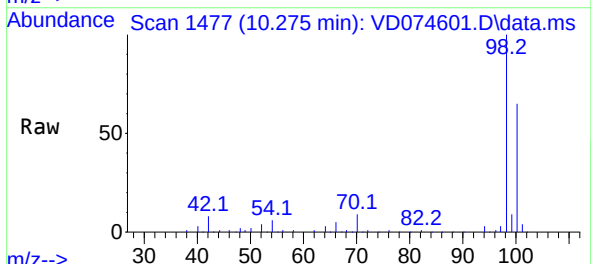
Instrument :
MSVOA_D
ClientSampleId :
BACKYARD-BOTTOM-A

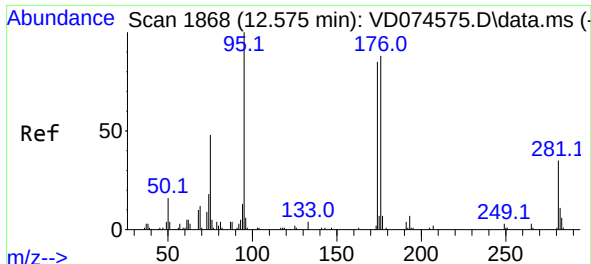
Tgt Ion: 98 Resp: 189791
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.259 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

Tgt Ion: 43 Resp: 548
Ion Ratio Lower Upper
43 100
58 253.6 37.8 56.6#

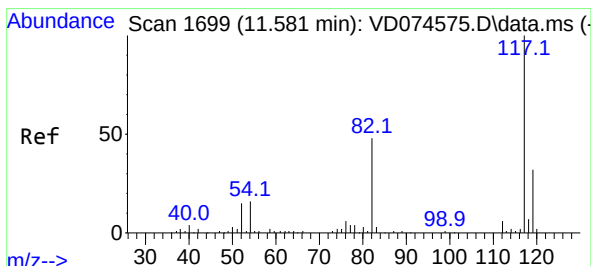
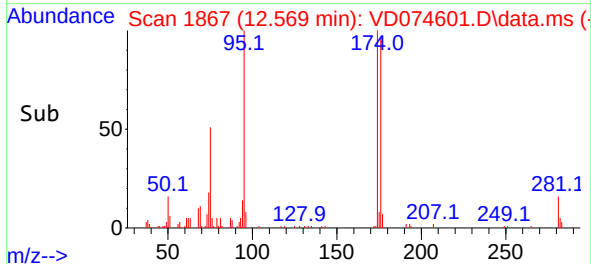
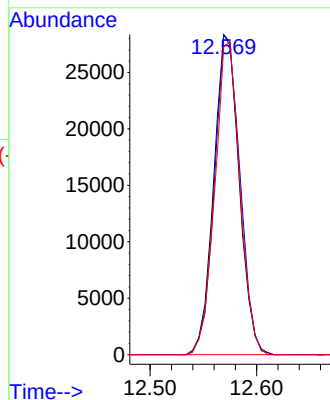
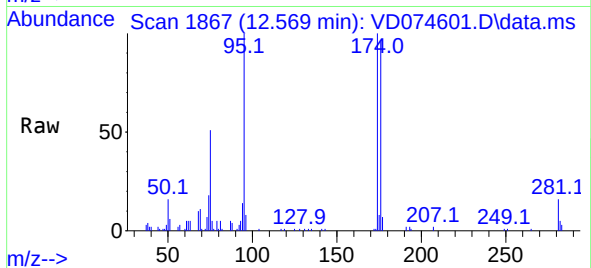




#62
4-Bromofluorobenzene
Concen: 49.003 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

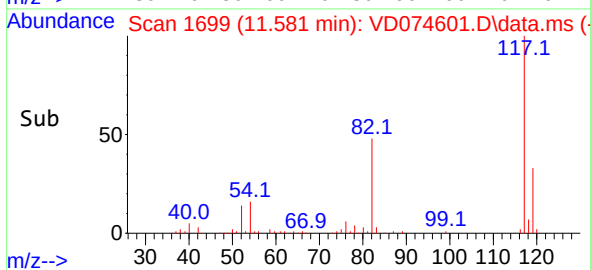
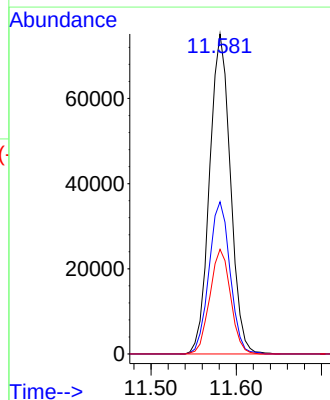
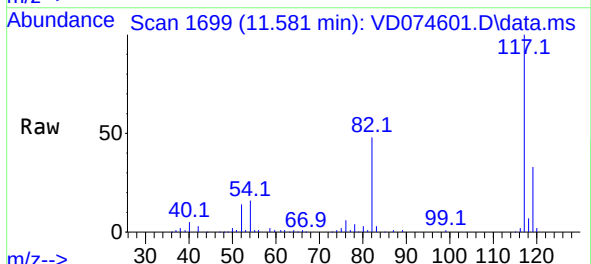
Instrument :
MSVOA_D
ClientSampleId :
BACKYARD-BOTTOM-A

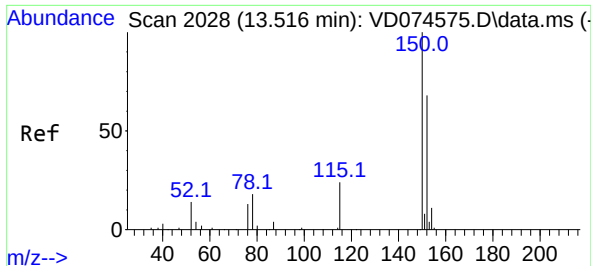
Tgt Ion: 95 Resp: 46921
Ion Ratio Lower Upper
95 100
174 99.9 0.0 197.0
176 96.1 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074601.D
Acq: 20 Oct 2022 16:51

Tgt Ion: 117 Resp: 127563
Ion Ratio Lower Upper
117 100
82 47.6 41.6 62.4
119 32.7 25.2 37.8

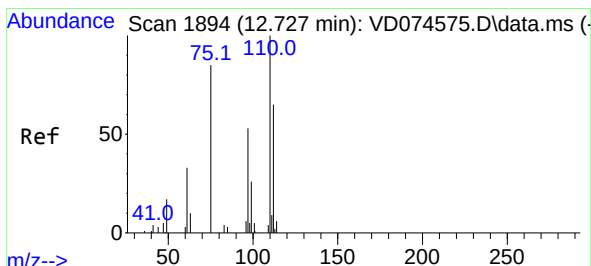
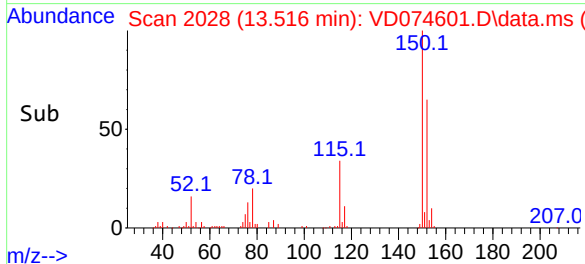
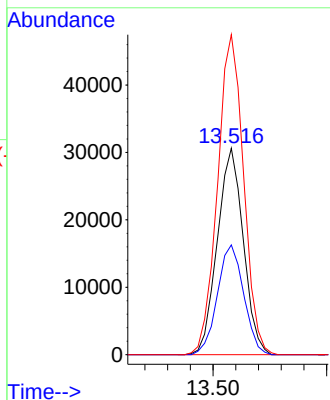
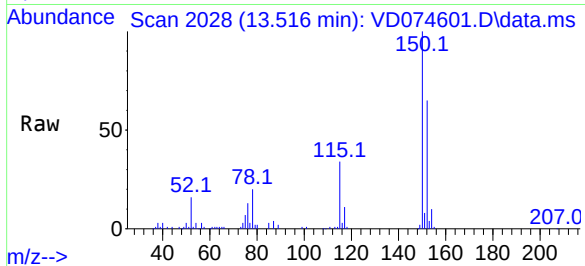




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD074601.D
 Acq: 20 Oct 2022 16:51

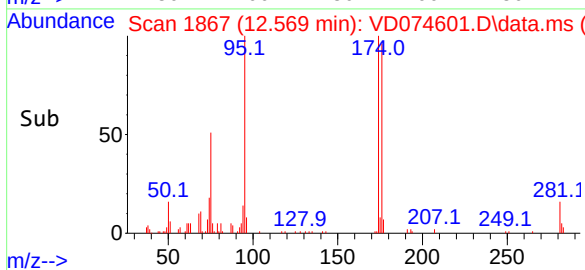
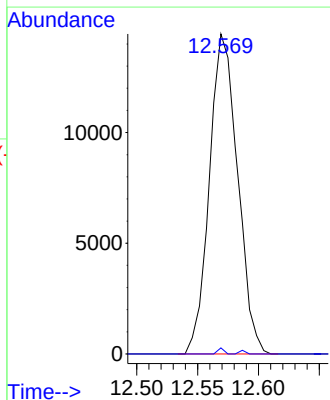
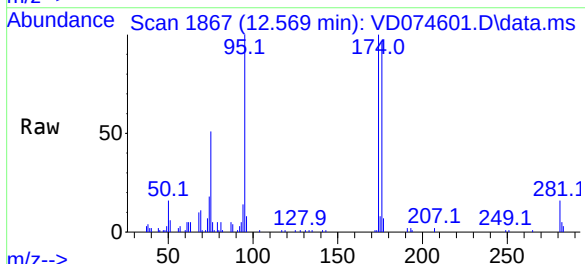
Instrument :
 MSVOA_D
 ClientSampleId :
 BACKYARD-BOTTOM-A

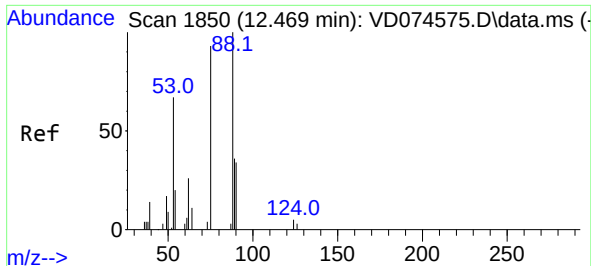
Tgt Ion:152 Resp: 48577
 Ion Ratio Lower Upper
 152 100
 115 53.7 26.8 80.4
 150 155.6 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 54.960 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.147 min
 Lab File: VD074601.D
 Acq: 20 Oct 2022 16:51

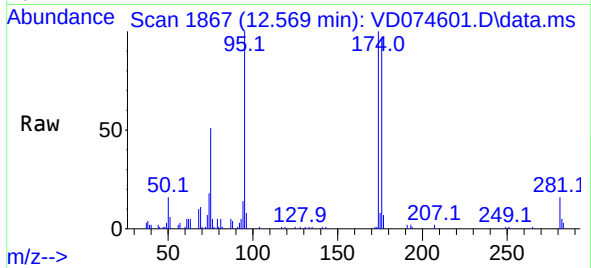
Tgt Ion: 75 Resp: 23312
 Ion Ratio Lower Upper
 75 100
 77 0.4 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.451 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074601.D
 Acq: 20 Oct 2022 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 BACKYARD-BOTTOM-A



Tgt Ion: 75 Resp: 23312
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

