

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091922\
 Data File : VD074347.D
 Acq On : 19 Sep 2022 14:22
 Operator : VA/SY
 Sample : N4584-01RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 33811

Quant Time: Sep 19 23:01:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

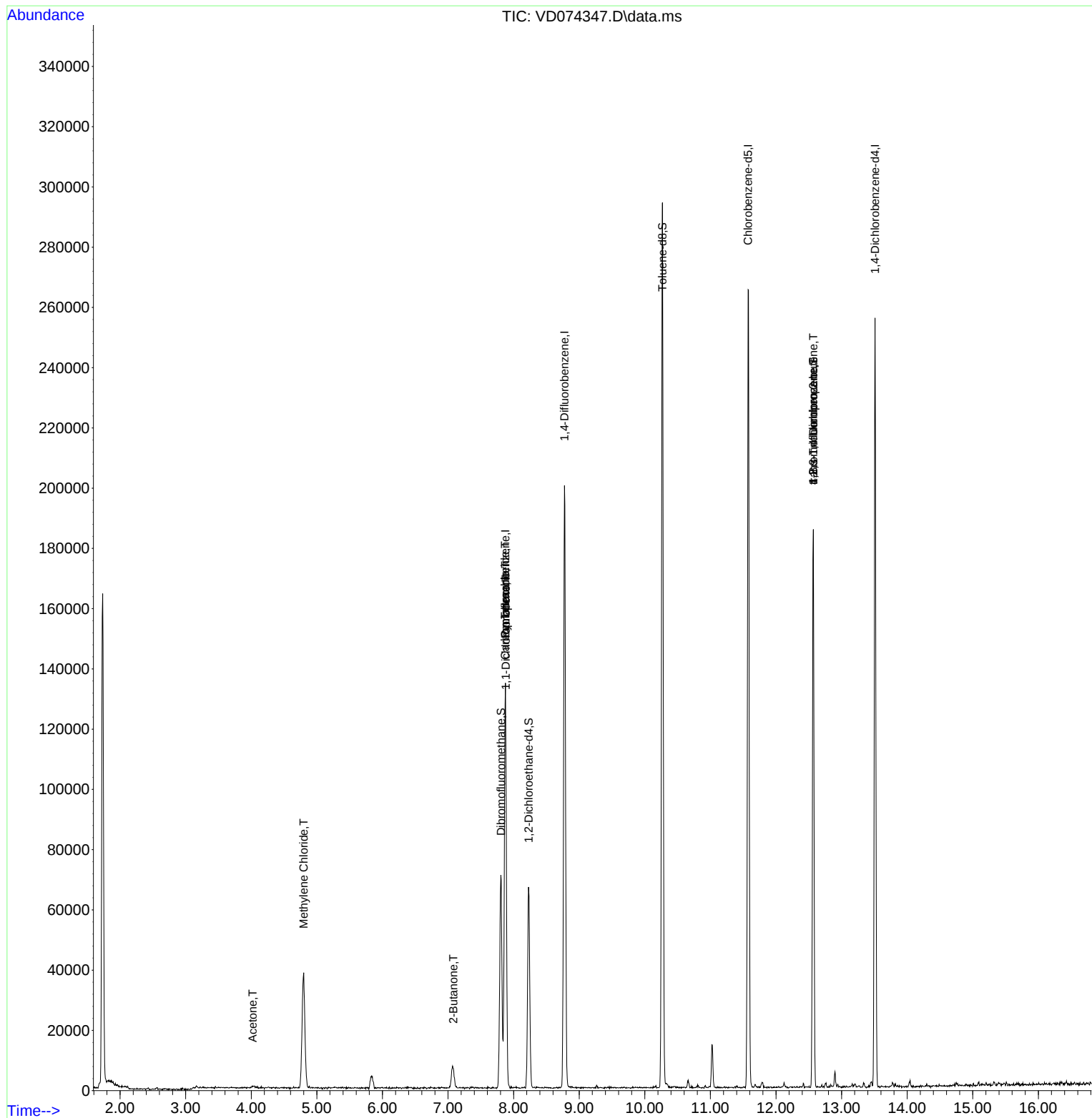
Internal Standards						
1) Pentafluorobenzene	7.875	168	103027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	178149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	156344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	68085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52731	52.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.100%	
35) Dibromofluoromethane	7.811	113	50752	43.256	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.520%	
50) Toluene-d8	10.269	98	202701	50.069	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	12.569	95	56201	39.796	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.600%	
Target Compounds						
16) Acetone	4.022	43	683	3.021	ug/l #	42
18) Methyl Acetate	4.793	43	70	Below Cal	#	51
20) Methylene Chloride	4.799	84	28576	13.888	ug/l	90
25) 2-Butanone	7.081	43	419	1.244	ug/l #	48
31) Cyclohexane	7.875	56	2601	1.236	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	8337	4.655	ug/l #	44
38) Carbon Tetrachloride	7.869	117	10292	6.484	ug/l #	14
76) 1,2,3-Trichloropropane	12.569	75	30497	48.413	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	30497	121.334	ug/l #	100

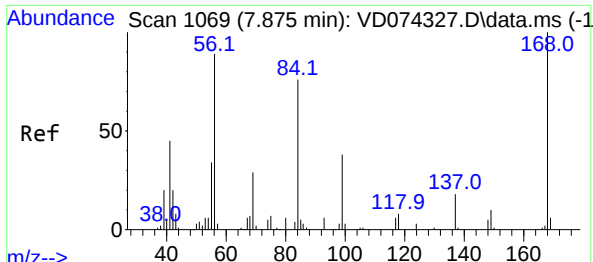
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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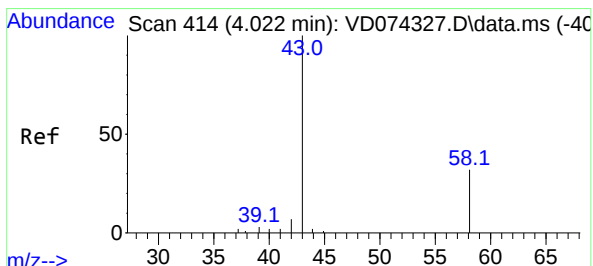
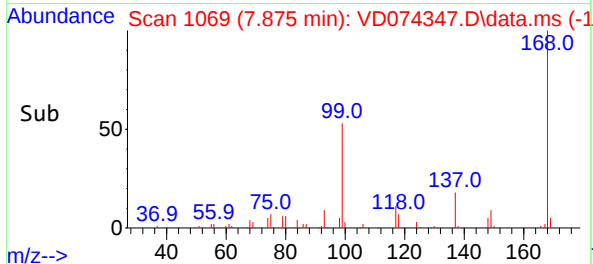
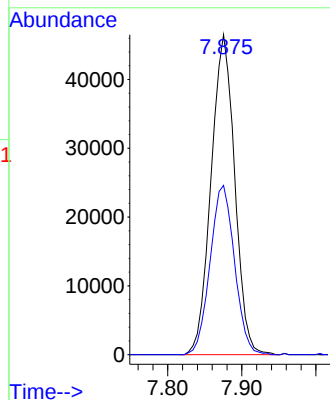
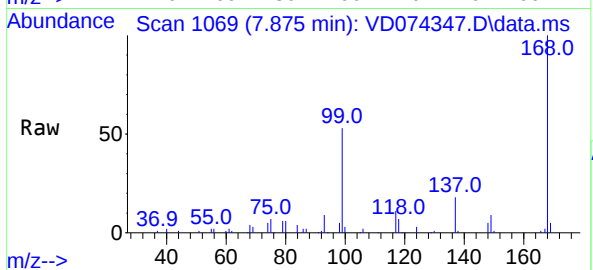




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

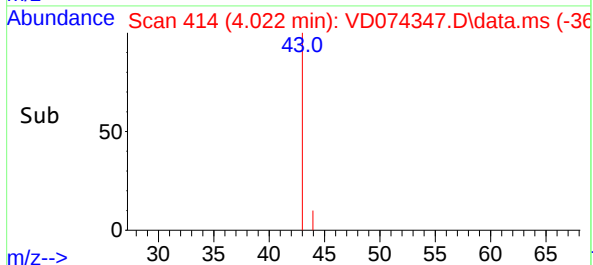
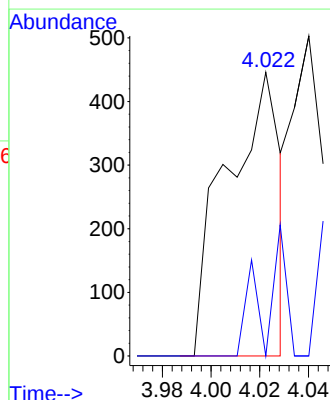
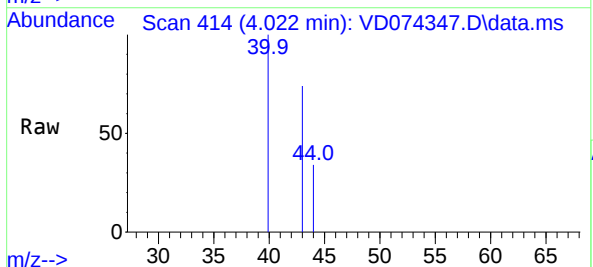
Instrument :
MSVOA_D
ClientSampleId :
33811

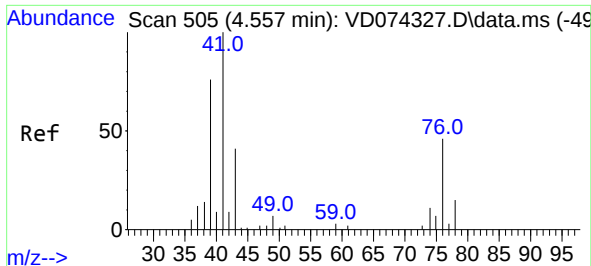
Tgt Ion:168 Resp: 103027
Ion Ratio Lower Upper
168 100
99 52.9 43.0 64.6



#16
Acetone
Concen: 3.021 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
58 0.0 26.4 39.6#

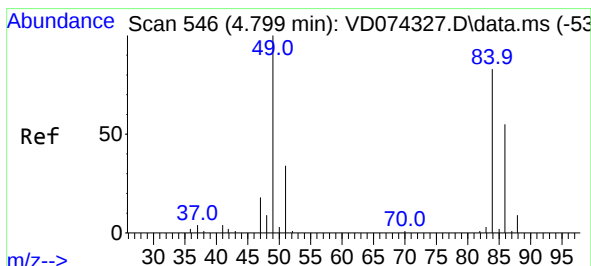
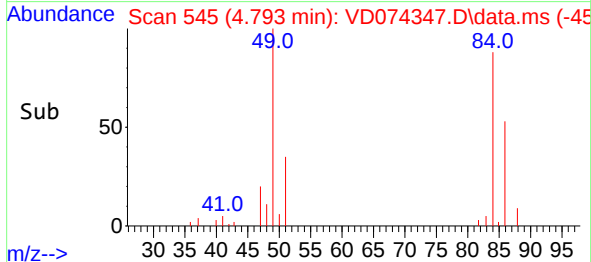
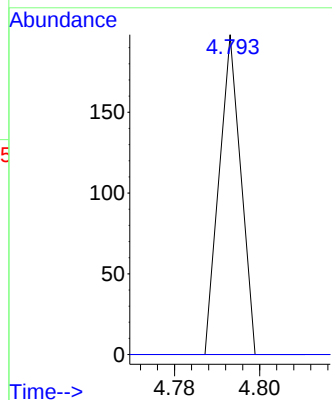
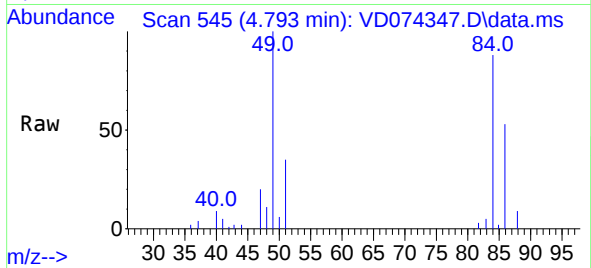




#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. 0.236 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

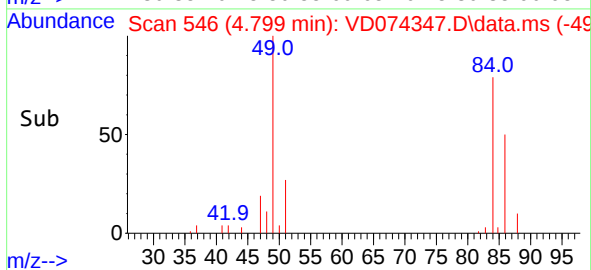
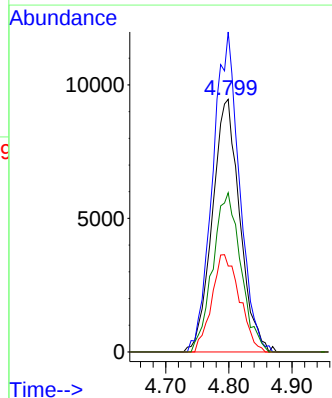
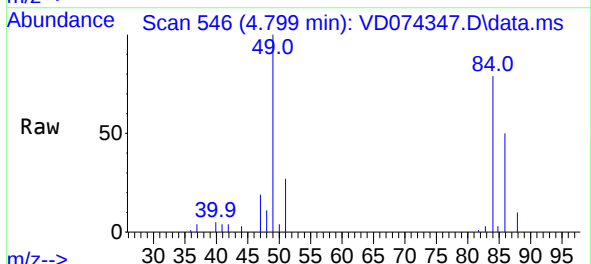
Instrument :
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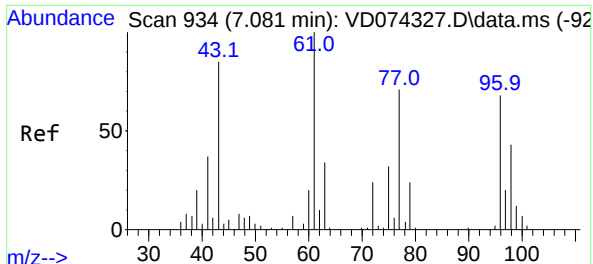
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: 13.888 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

Tgt Ion: 84 Resp: 28576
Ion Ratio Lower Upper
84 100
49 126.7 88.4 132.6
51 34.0 28.0 42.0
86 63.0 47.1 70.7

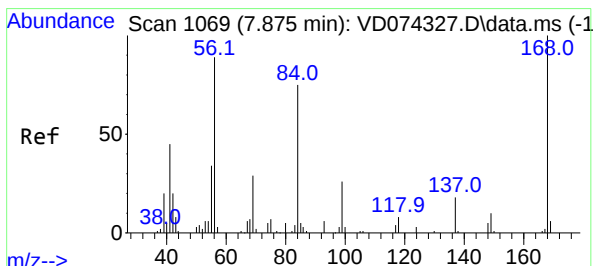
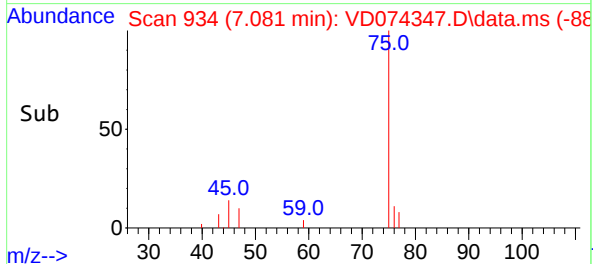
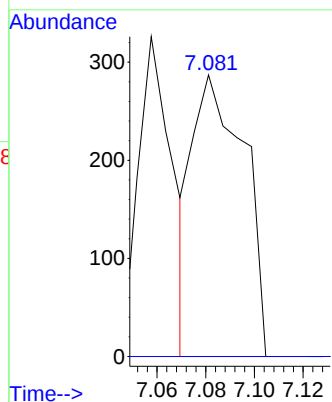
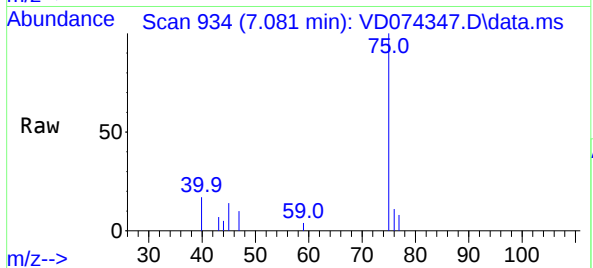




#25
2-Butanone
Concen: 1.244 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

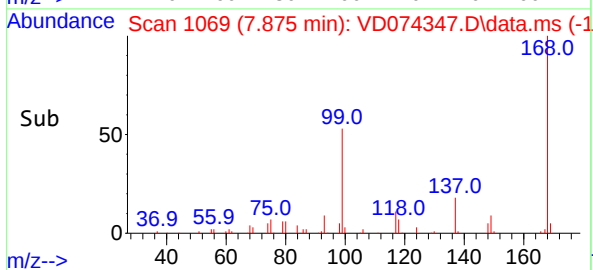
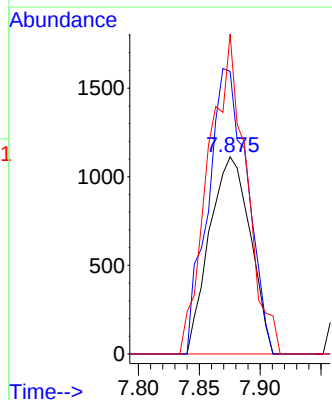
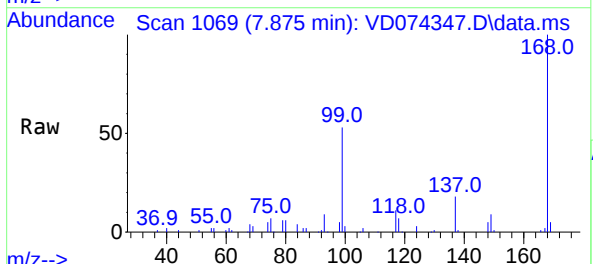
Instrument :
MSVOA_D
ClientSampleId :
33811

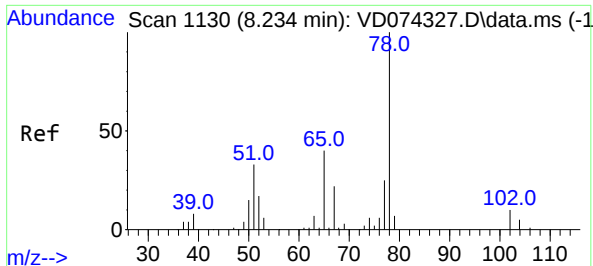
Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.6#



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

Tgt Ion: 56 Resp: 2601
Ion Ratio Lower Upper
56 100
69 143.3 25.7 38.5#
84 162.3 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 52.547 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074347.D

Acq: 19 Sep 2022 14:22

Instrument :

MSVOA_D

ClientSampleId :

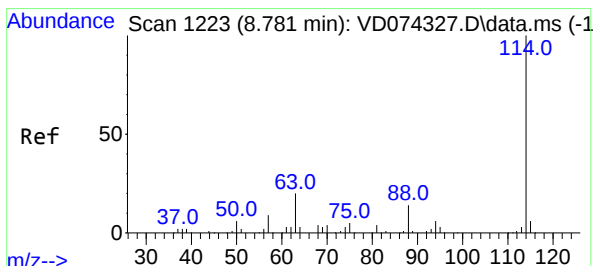
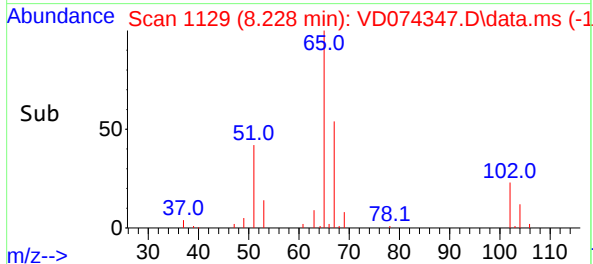
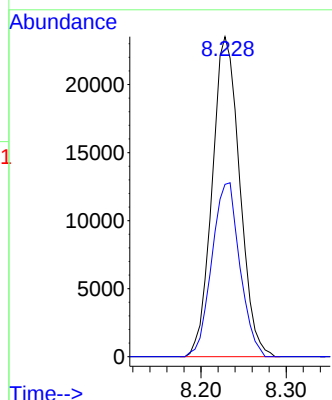
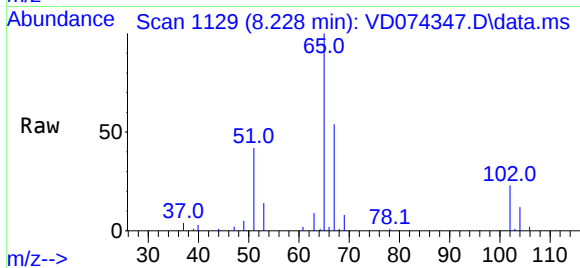
33811

Tgt Ion: 65 Resp: 52731

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD074347.D

Acq: 19 Sep 2022 14:22

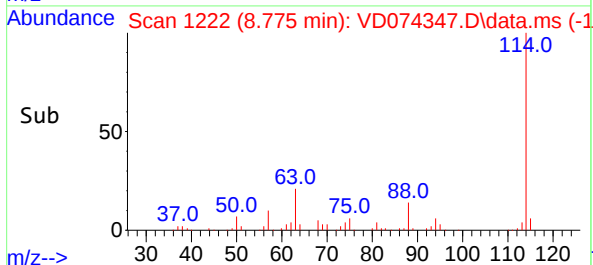
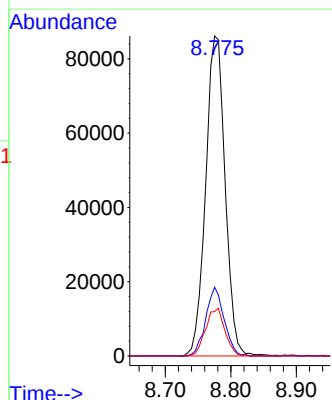
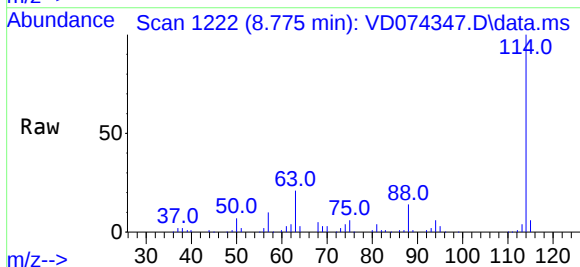
Tgt Ion: 114 Resp: 178149

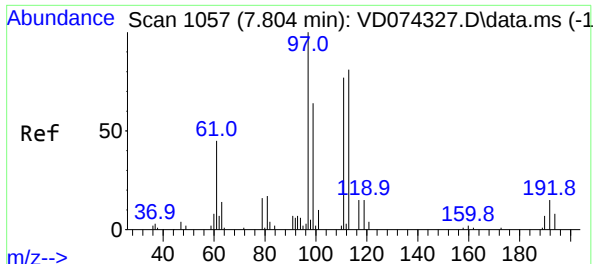
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.6

88 13.9 0.0 28.4





#35

Dibromofluoromethane

Concen: 43.256 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VD074347.D

Acq: 19 Sep 2022 14:22

Instrument :

MSVOA_D

ClientSampleId :

33811

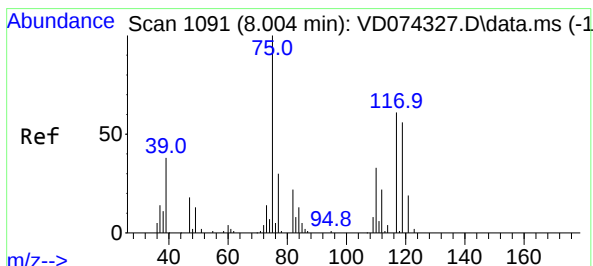
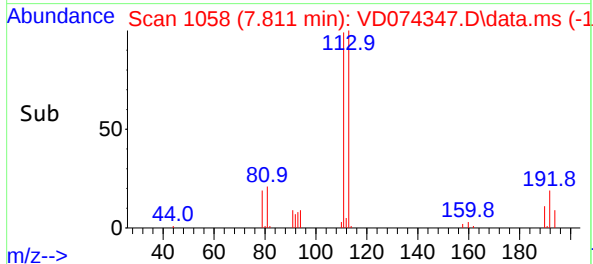
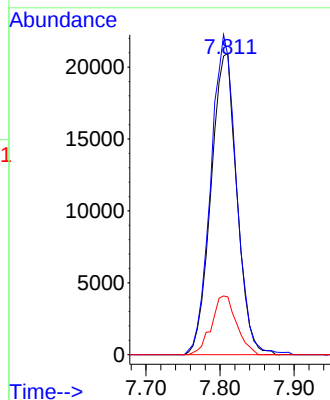
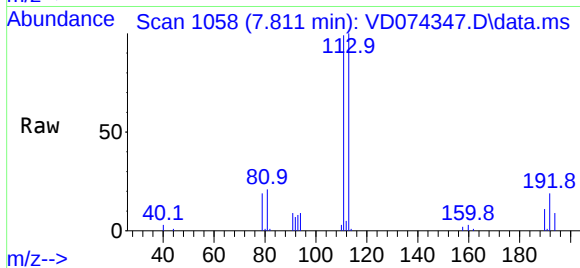
Tgt Ion:113 Resp: 50752

Ion Ratio Lower Upper

113 100

111 105.5 83.0 124.6

192 18.9 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.655 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

Lab File: VD074347.D

Acq: 19 Sep 2022 14:22

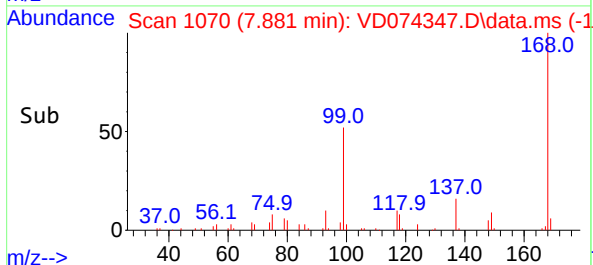
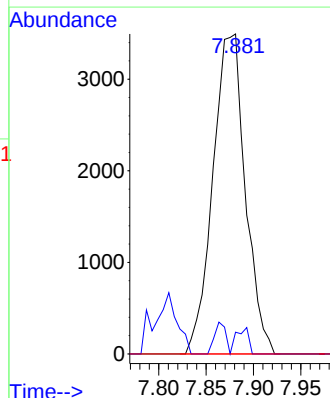
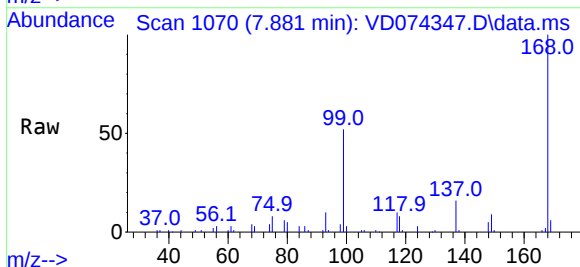
Tgt Ion: 75 Resp: 8337

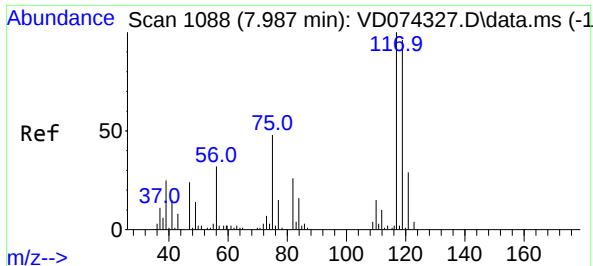
Ion Ratio Lower Upper

75 100

110 3.2 17.5 52.5#

77 0.0 24.8 37.2#

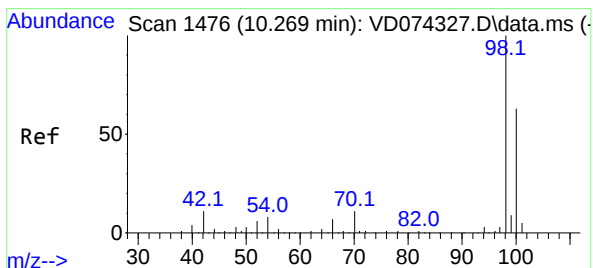
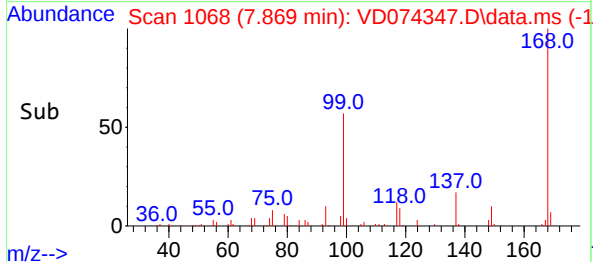
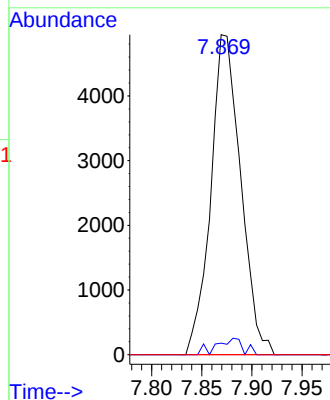
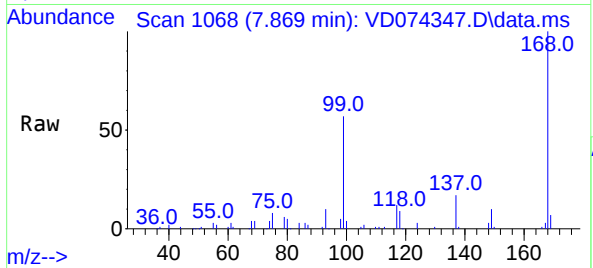




#38
Carbon Tetrachloride
Concen: 6.484 ug/l
RT: 7.869 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

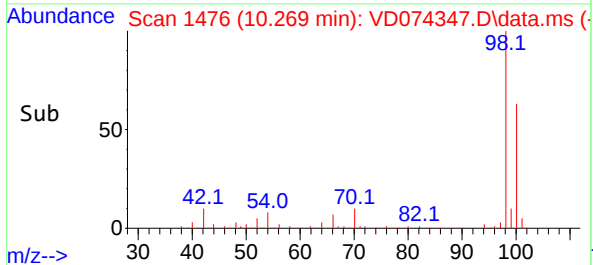
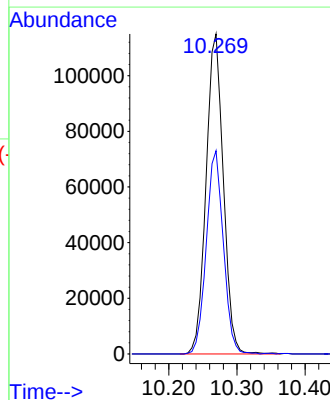
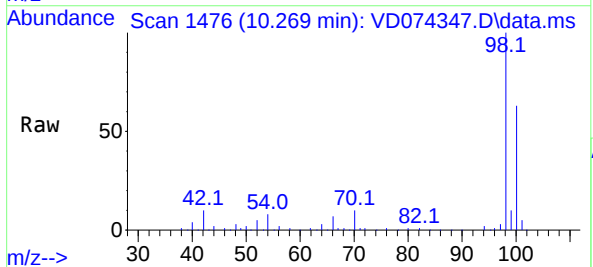
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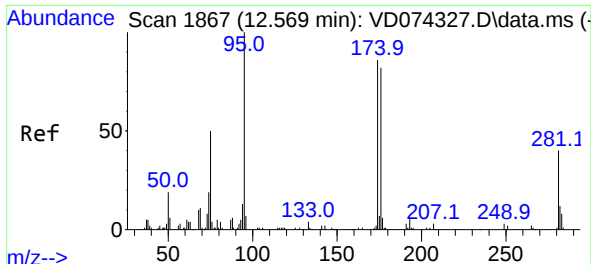
Tgt Ion:117 Resp: 10292
Ion Ratio Lower Upper
117 100
119 3.6 78.8 118.2#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 50.069 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

Tgt Ion: 98 Resp: 202701
Ion Ratio Lower Upper
98 100
100 62.6 51.8 77.8

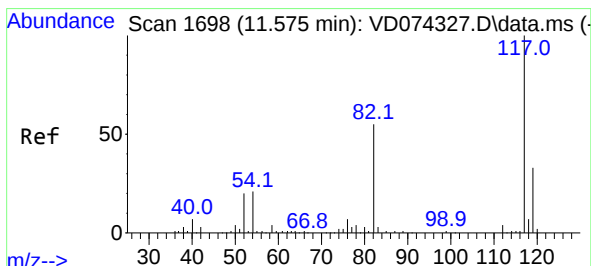
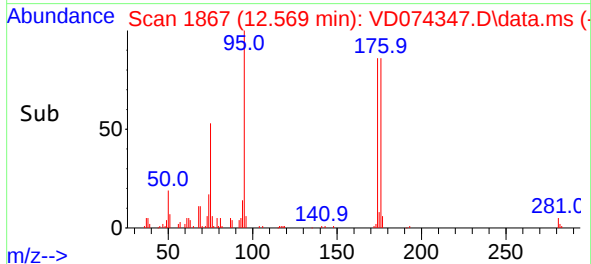
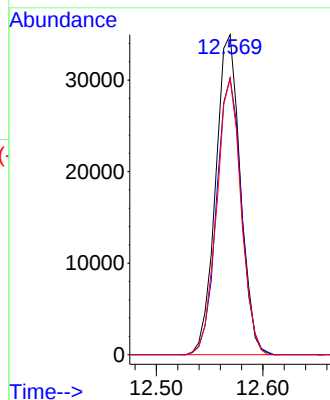
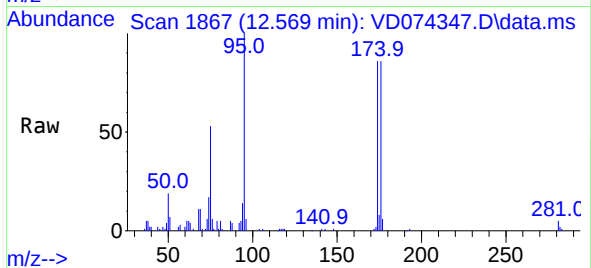




#62
4-Bromofluorobenzene
Concen: 39.796 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

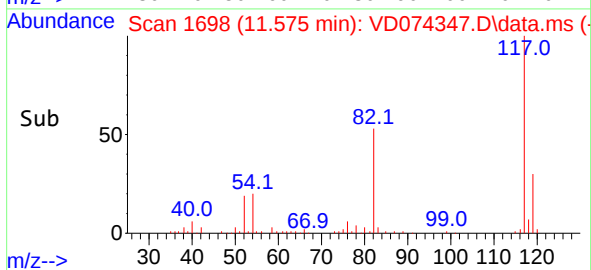
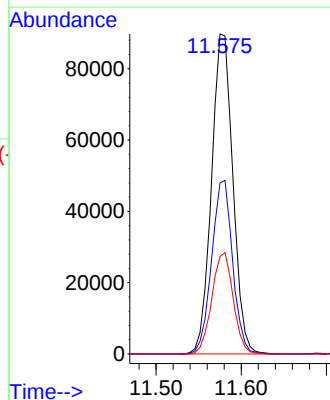
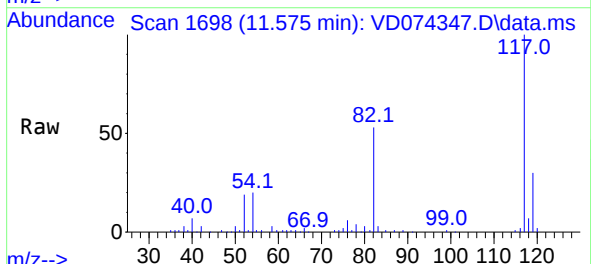
Instrument :
MSVOA_D
ClientSampleId :
33811

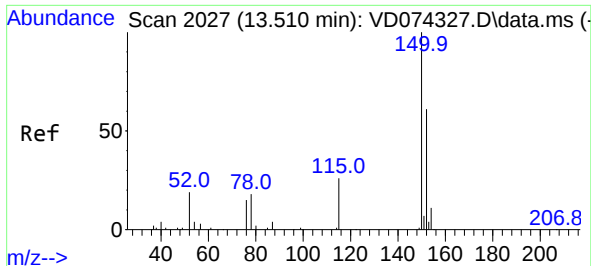
Tgt Ion:	95	Resp:	56201
Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	179.2
176	85.1	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

Tgt Ion:	117	Resp:	156344
Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.2	66.2
119	30.5	25.4	38.0

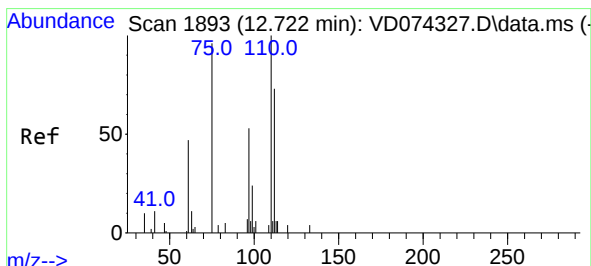
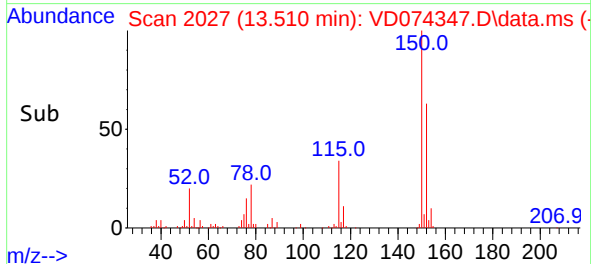
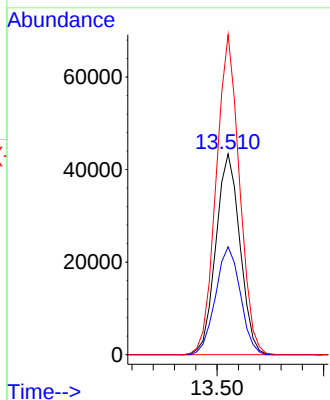
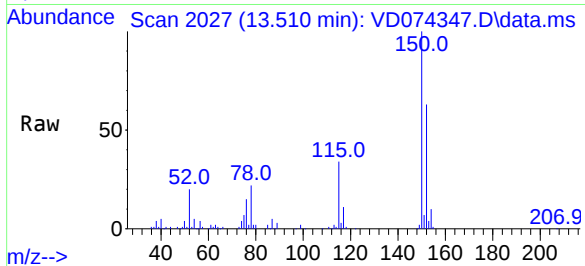




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

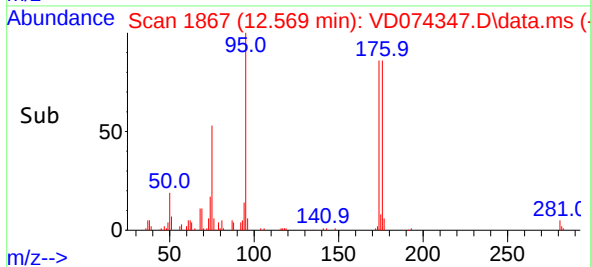
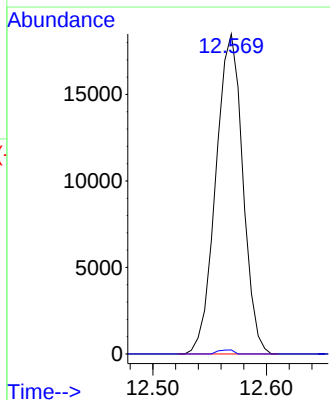
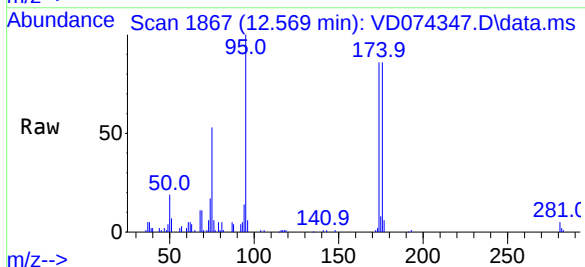
Instrument :
MSVOA_D
ClientSampleId :
33811

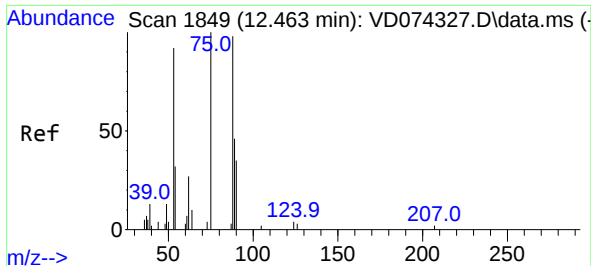
Tgt Ion:152 Resp: 68085
Ion Ratio Lower Upper
152 100
115 55.3 28.4 85.2
150 153.9 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 48.413 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

Tgt Ion: 75 Resp: 30497
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 121.334 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074347.D
Acq: 19 Sep 2022 14:22

Instrument :
MSVOA_D
ClientSampleId :
33811

Tgt Ion: 75 Resp: 30497
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

