

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040723\
 Data File : VD075601.D
 Acq On : 07 Apr 2023 15:18
 Operator : KP/SY
 Sample : 02208-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-124035

Quant Time: Apr 10 02:06:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

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

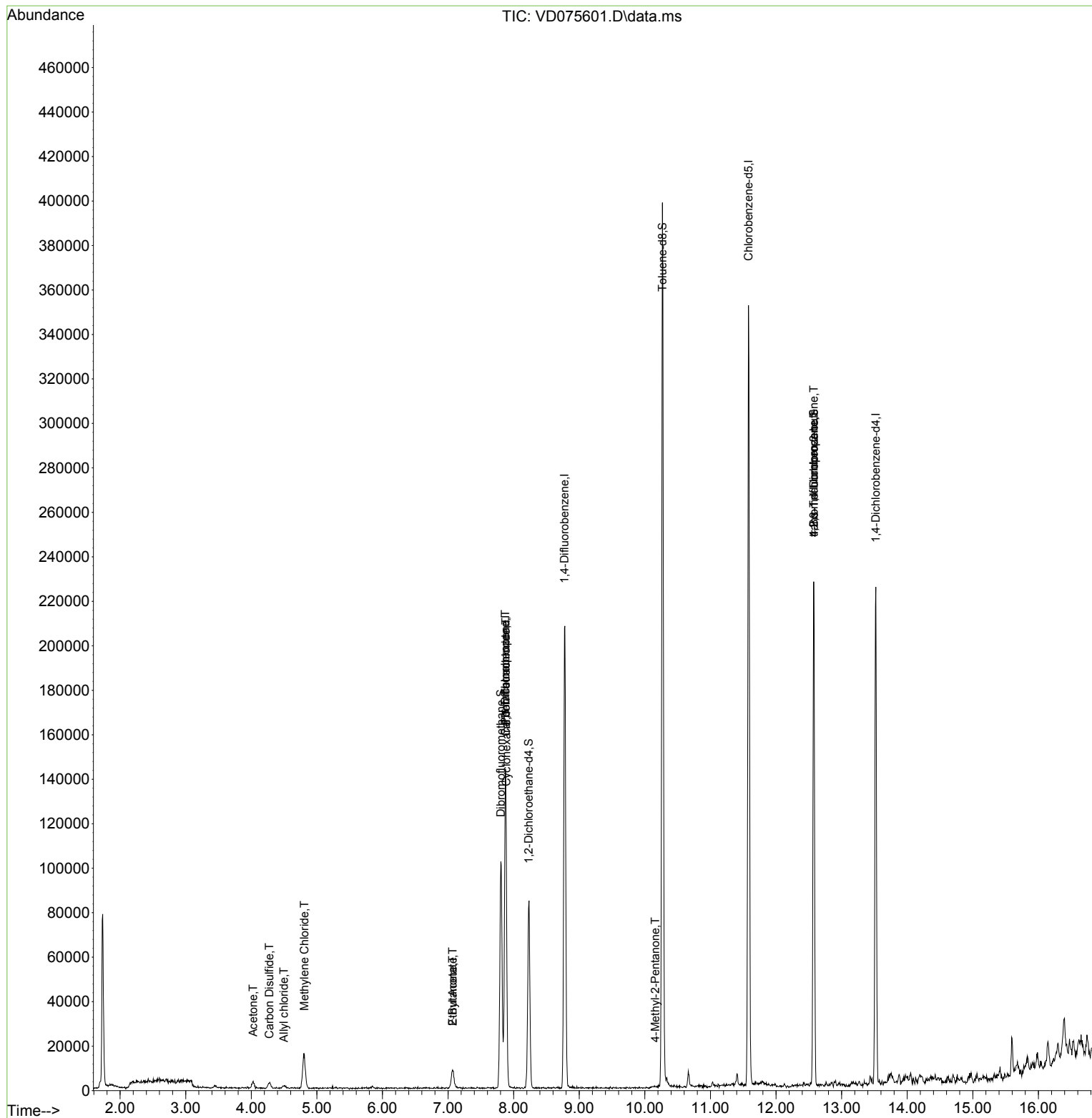
Internal Standards						
1) Pentafluorobenzene	7.875	168	115903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	205360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	233540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	64157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63633	60.506	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.020%	
35) Dibromofluoromethane	7.804	113	77179	54.873	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.740%	
50) Toluene-d8	10.269	98	290136	52.217	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.440%	
62) 4-Bromofluorobenzene	12.575	95	69469	43.249	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.500%	
Target Compounds						Qvalue
3) Chloromethane	2.152	50	342	Below Cal	#	40
14) Allyl chloride	4.498	41	2251	1.816	ug/l #	25
16) Acetone	4.028	43	4621	9.929	ug/l #	61
17) Carbon Disulfide	4.275	76	5187	1.193	ug/l	97
20) Methylene Chloride	4.810	84	13162	3.452	ug/l #	65
25) 2-Butanone	7.069	43	1085	4.424	ug/l #	50
31) Cyclohexane	7.887	56	2492	1.330	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	8526	4.090	ug/l #	50
37) Ethyl Acetate	7.069	43	1085	1.998	ug/l #	80
38) Carbon Tetrachloride	7.881	117	11667	5.842	ug/l #	16
51) 4-Methyl-2-Pentanone	10.157	43	749	1.433	ug/l #	38
76) 1,2,3-Trichloropropane	12.575	75	34738	66.019	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	34738	138.866	ug/l #	5

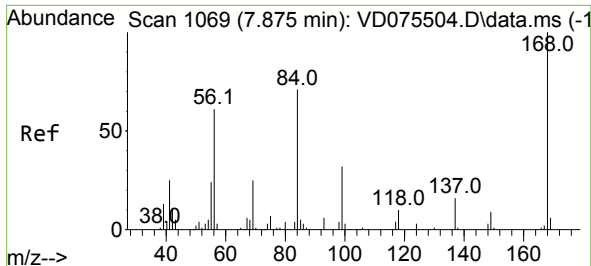
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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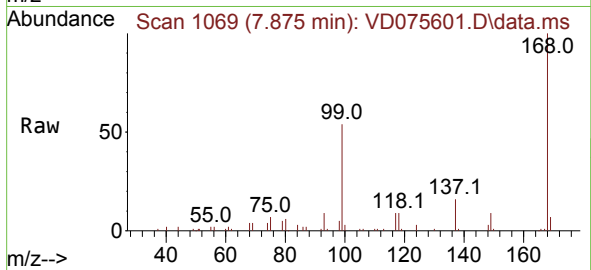
Quant Time: Apr 10 02:06:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 10 23:52:37 2023
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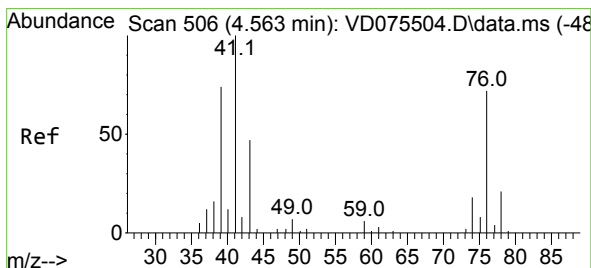
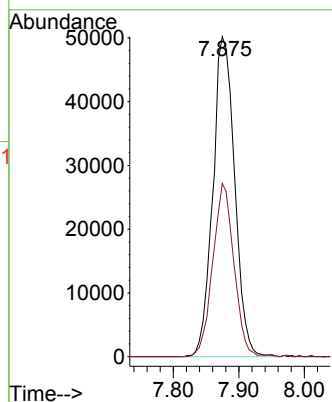
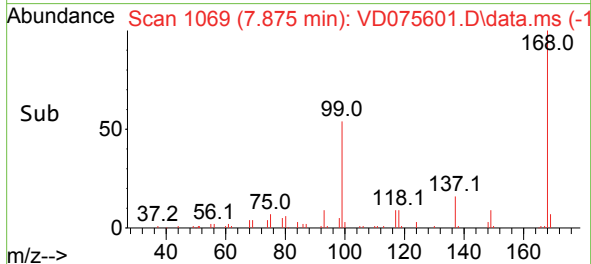


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :
RO-124035

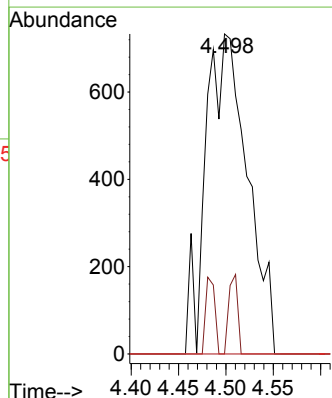
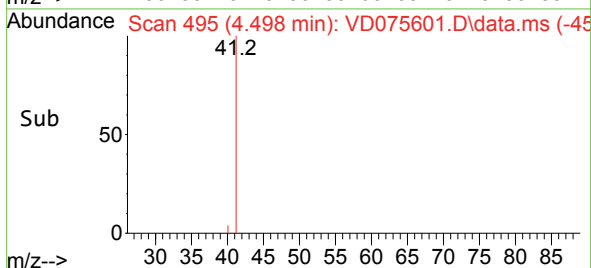
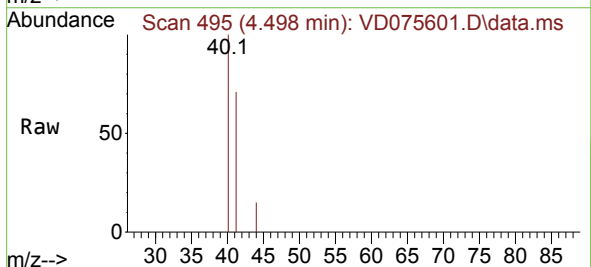


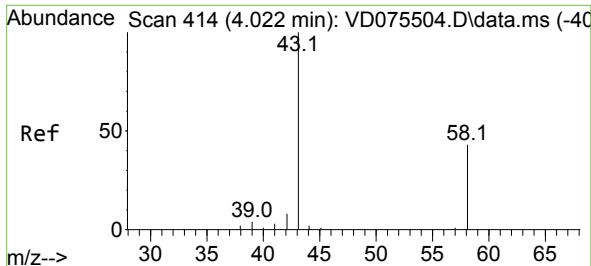
Tgt Ion:168 Resp: 115903
Ion Ratio Lower Upper
168 100
99 54.1 43.8 65.6



#14
Allyl chloride
Concen: 1.816 ug/l
RT: 4.498 min Scan# 495
Delta R.T. -0.065 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Tgt Ion: 41 Resp: 2251
Ion Ratio Lower Upper
41 100
39 5.3 60.6 90.8#
76 0.0 28.6 43.0#

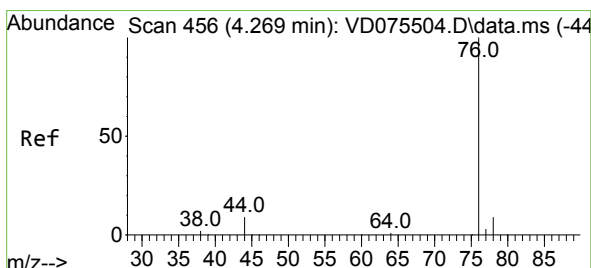
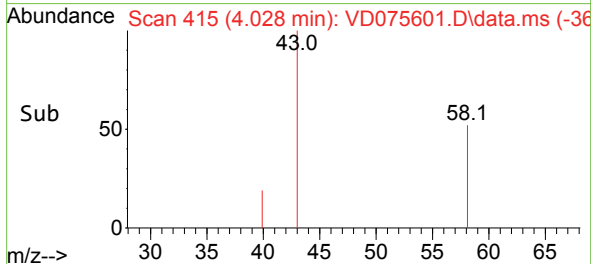
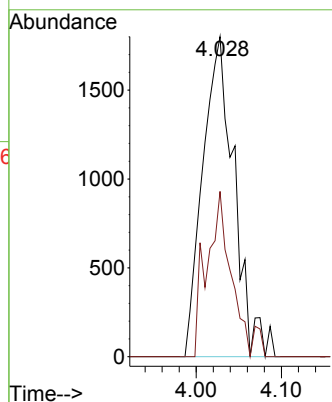
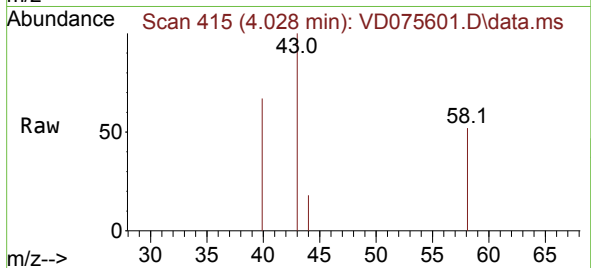




#16
Acetone
Concen: 9.929 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

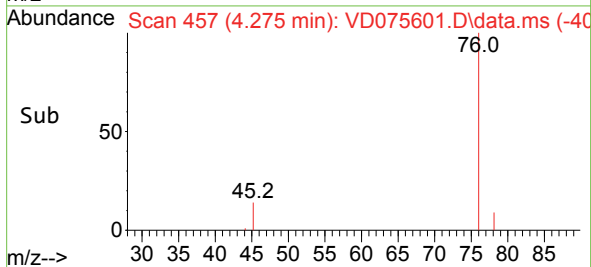
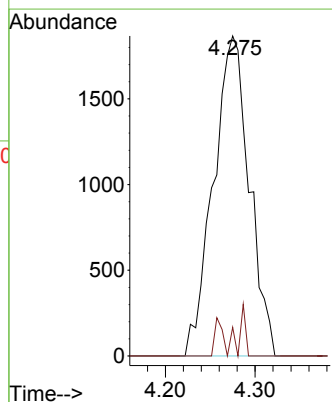
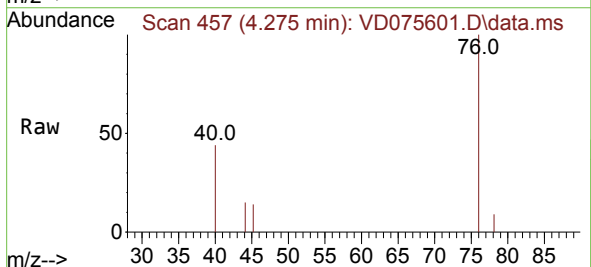
Instrument :
MSVOA_D
ClientSampleId :
RO-124035

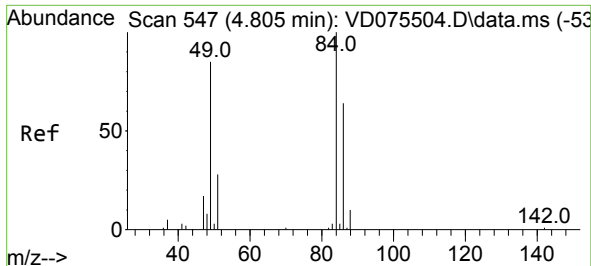
Tgt Ion: 43 Resp: 4621
Ion Ratio Lower Upper
43 100
58 51.6 24.4 36.6#



#17
Carbon Disulfide
Concen: 1.193 ug/l
RT: 4.275 min Scan# 457
Delta R.T. -0.000 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Tgt Ion: 76 Resp: 5187
Ion Ratio Lower Upper
76 100
78 8.9 8.0 12.0

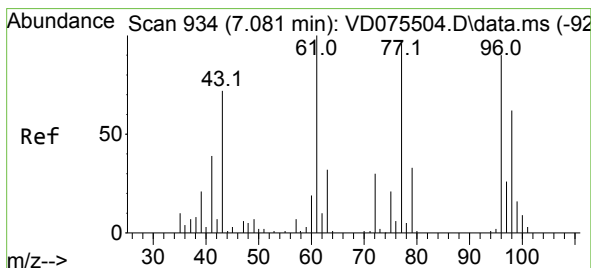
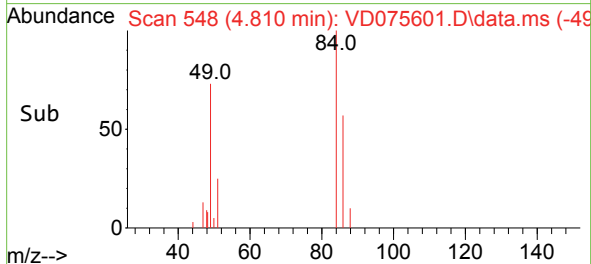
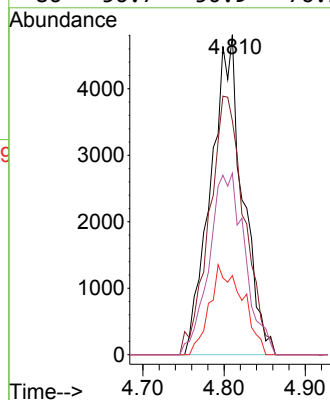
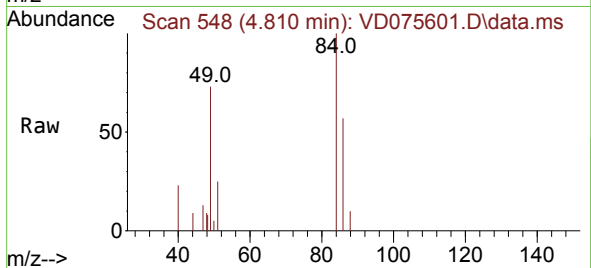




#20
Methylene Chloride
Concen: 3.452 ug/l
RT: 4.810 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

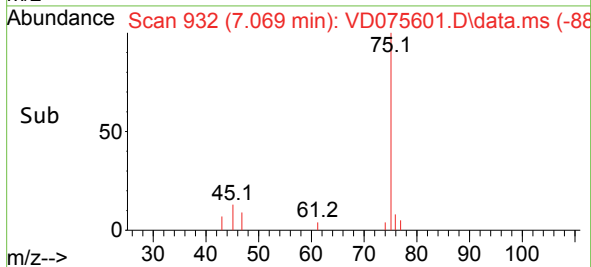
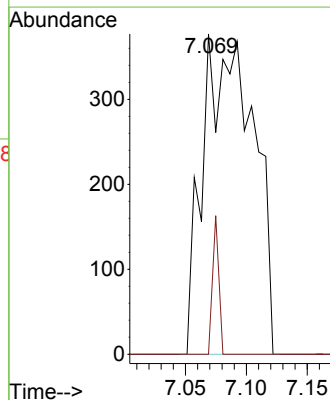
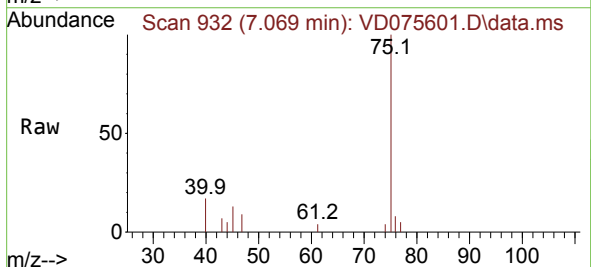
Instrument :
MSVOA_D
ClientSampleId :
RO-124035

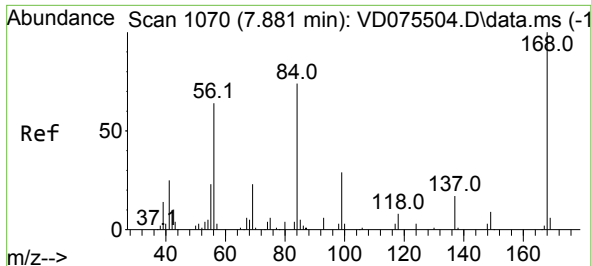
Tgt Ion: 84	Resp: 13162
Ion Ratio	Lower Upper
84 100	
49 73.1	106.4 159.6#
51 24.7	32.4 48.6#
86 56.7	50.9 76.3



#25
2-Butanone
Concen: 4.424 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

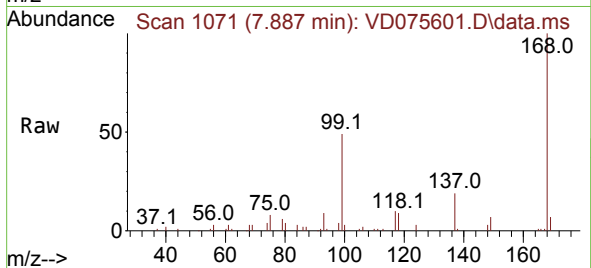
Tgt Ion: 43	Resp: 1085		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	19.8	29.8#	



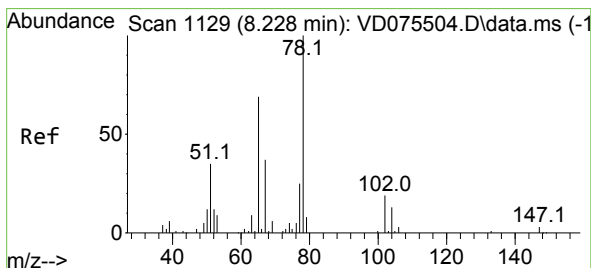
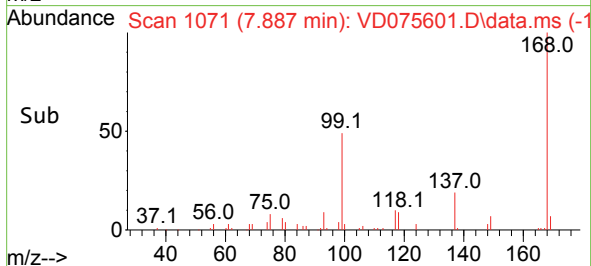
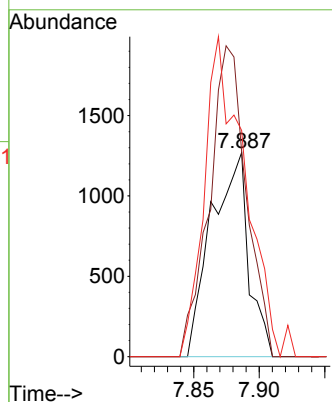


#31
Cyclohexane
Concen: 1.330 ug/l
RT: 7.887 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :
RO-124035

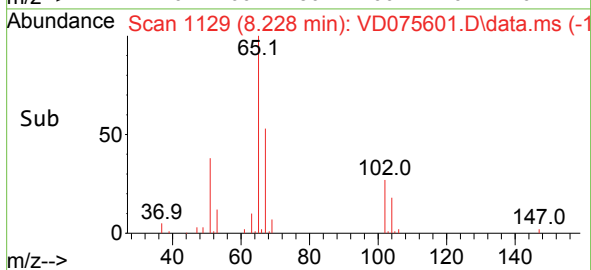
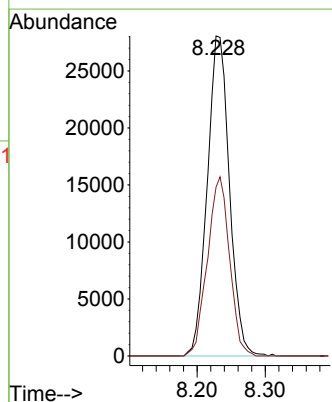
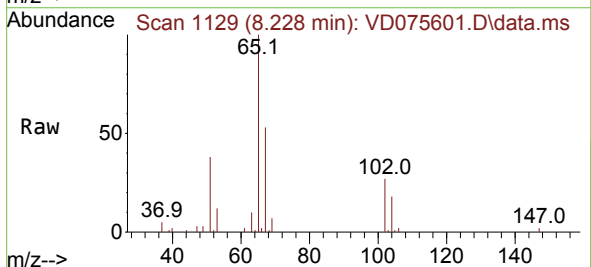


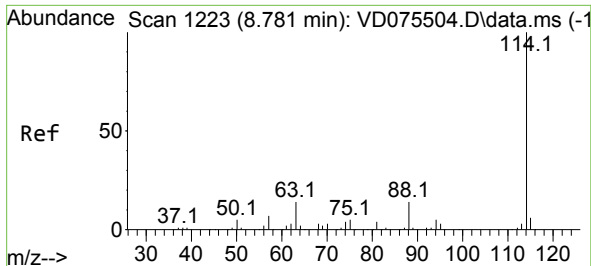
Tgt Ion: 56 Resp: 2492
Ion Ratio Lower Upper
56 100
69 100.5 25.5 38.3#
84 110.9 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 60.506 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Tgt Ion: 65 Resp: 63633
Ion Ratio Lower Upper
65 100
67 55.7 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075601.D

Acq: 07 Apr 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

RO-124035

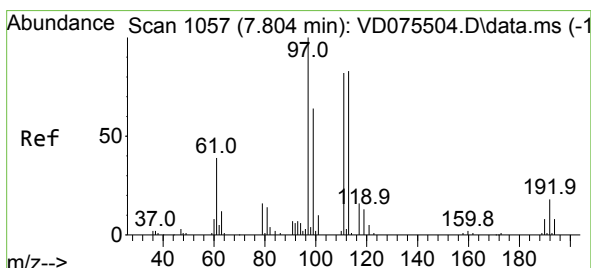
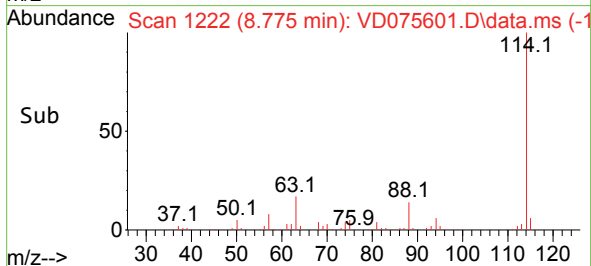
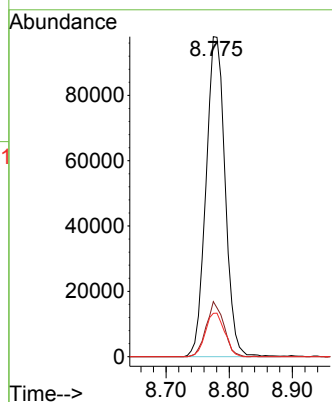
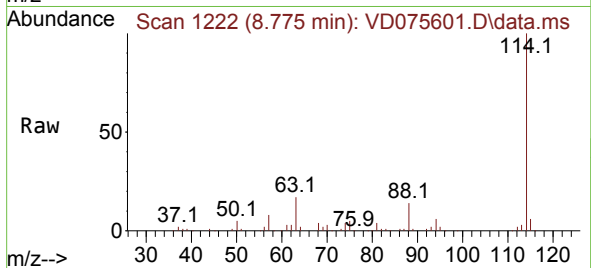
Tgt Ion:114 Resp: 205360

Ion Ratio Lower Upper

114 100

63 17.2 0.0 41.6

88 13.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.873 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075601.D

Acq: 07 Apr 2023 15:18

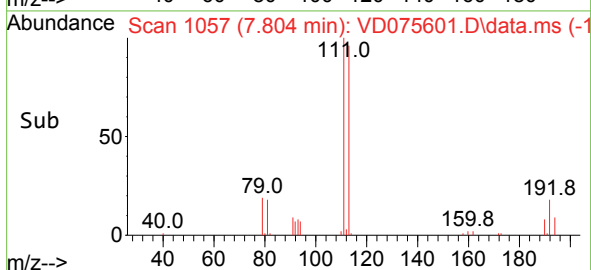
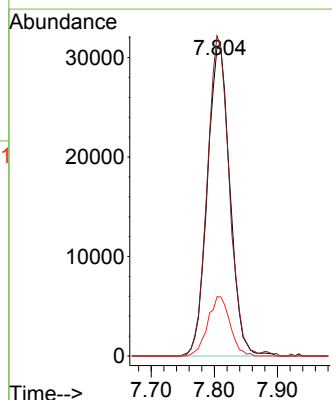
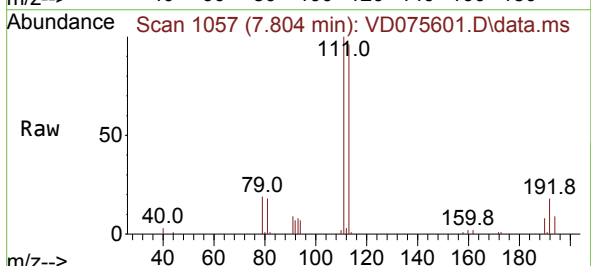
Tgt Ion:113 Resp: 77179

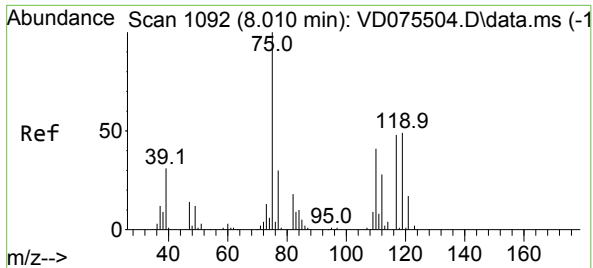
Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

192 18.9 15.2 22.8

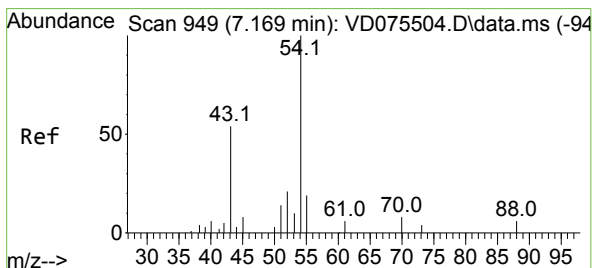
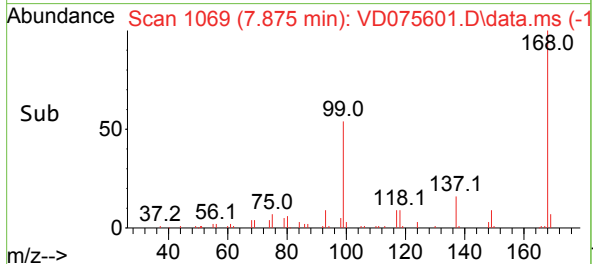
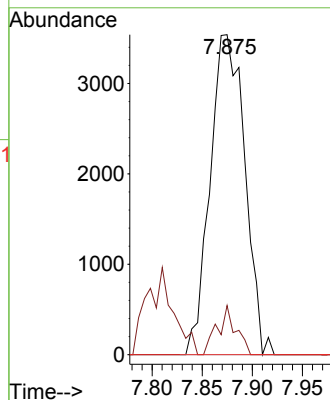
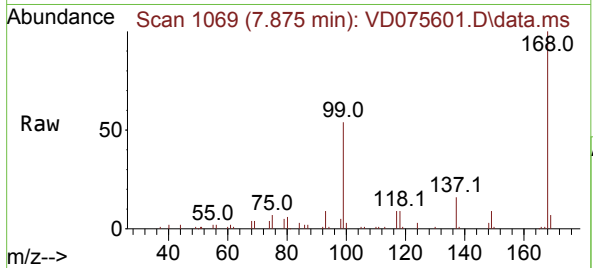




#36
1,1-Dichloropropene
Concen: 4.090 ug/l
RT: 7.875 min Scan# 1092
Delta R.T. -0.130 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

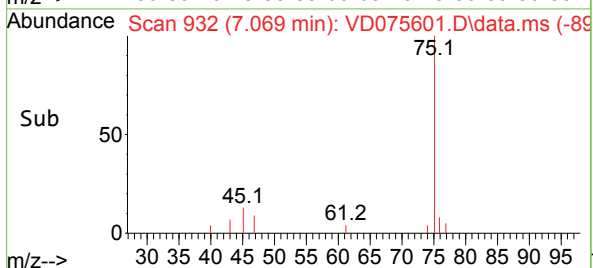
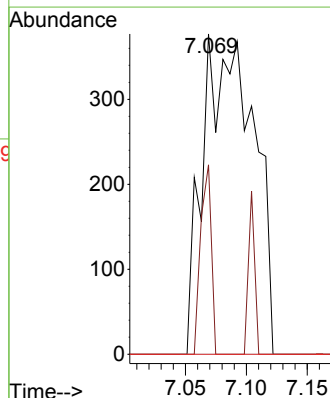
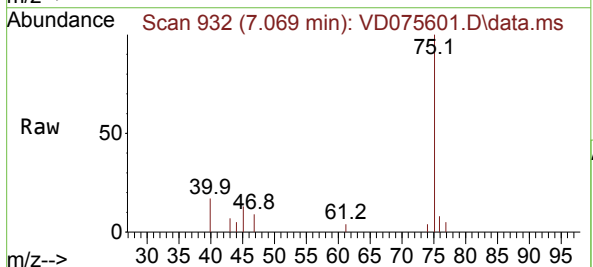
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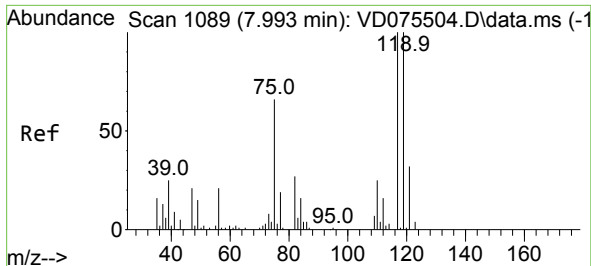
Tgt Ion: 75 Resp: 8526
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 1.998 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.100 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

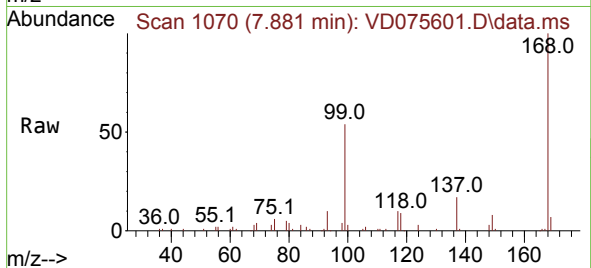
Tgt Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
61 12.5 0.0 0.0#
70 0.0 5.6 8.4#



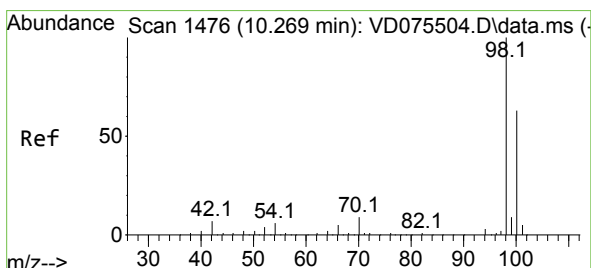
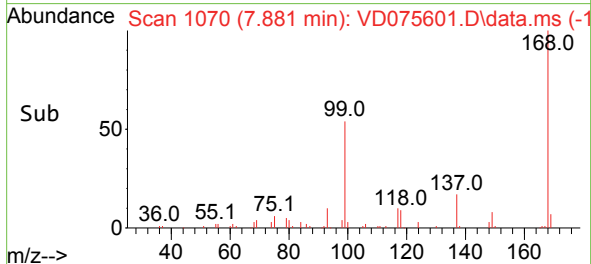
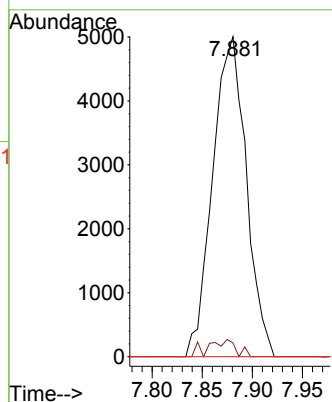


#38
Carbon Tetrachloride
Concen: 5.842 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :
RO-124035

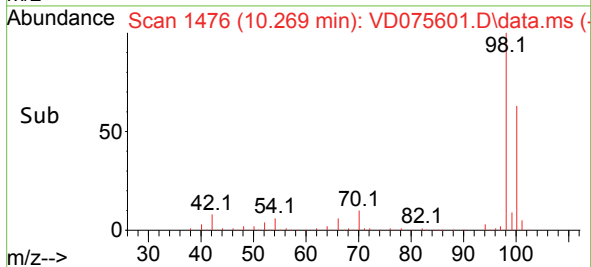
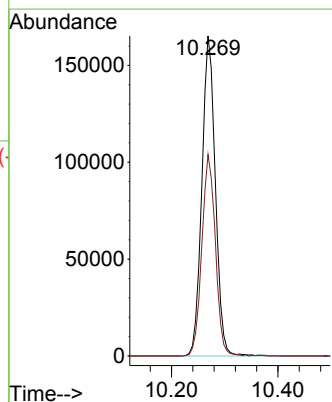
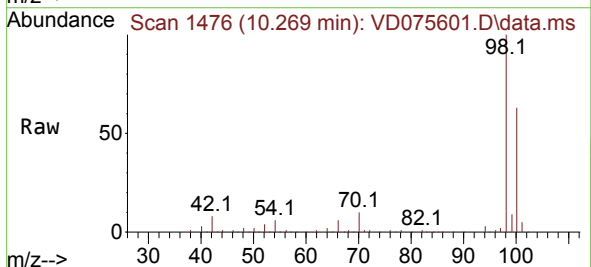


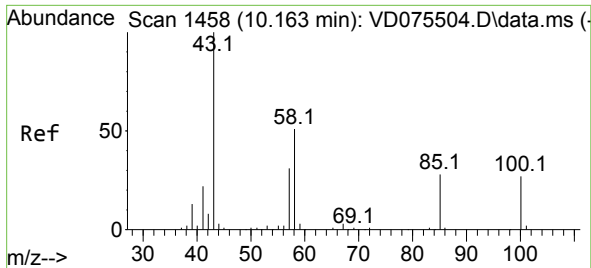
Tgt Ion:117 Resp: 11667
Ion Ratio Lower Upper
117 100
119 4.3 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 52.217 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Tgt Ion: 98 Resp: 290136
Ion Ratio Lower Upper
98 100
100 63.2 52.1 78.1

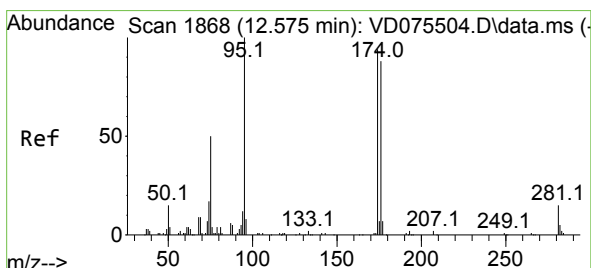
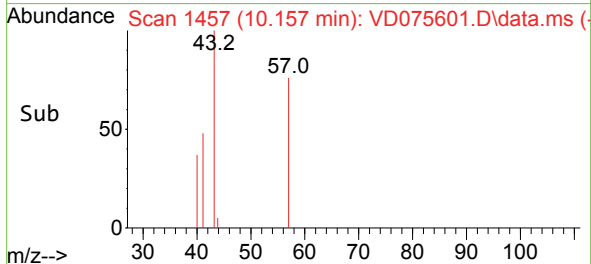
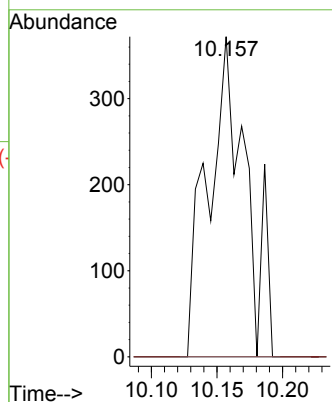
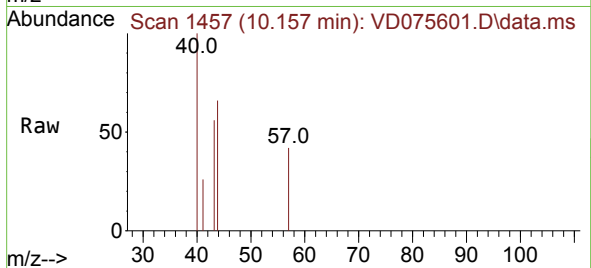




#51
4-Methyl-2-Pentanone
Concen: 1.433 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

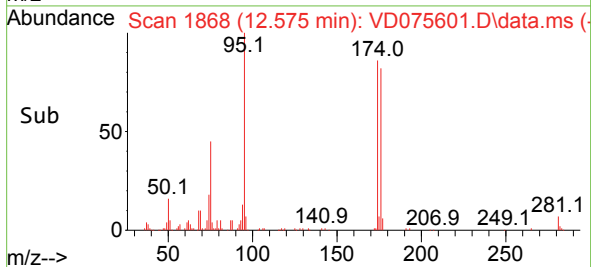
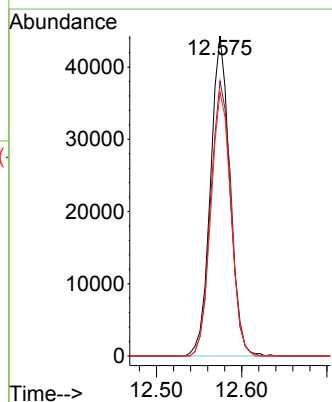
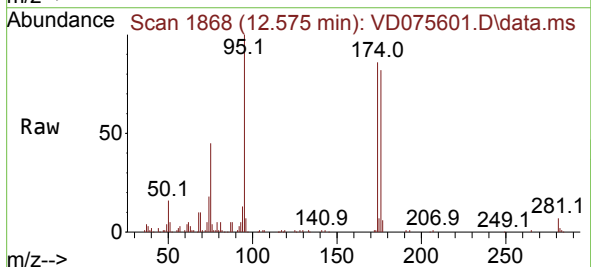
Instrument :
MSVOA_D
ClientSampleId :
RO-124035

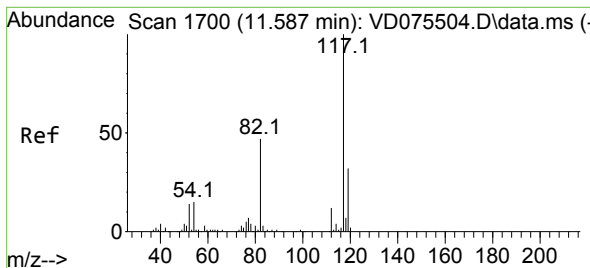
Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 43.249 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Tgt Ion: 95 Resp: 69469
Ion Ratio Lower Upper
95 100
174 90.9 0.0 164.0
176 85.8 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.580 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075601.D

Acq: 07 Apr 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

RO-124035

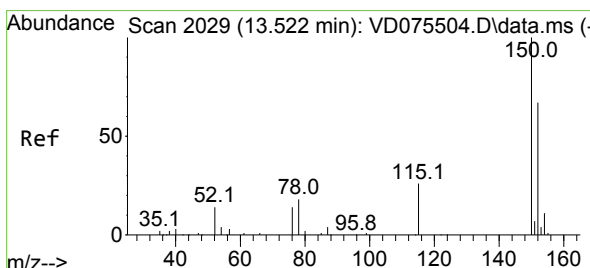
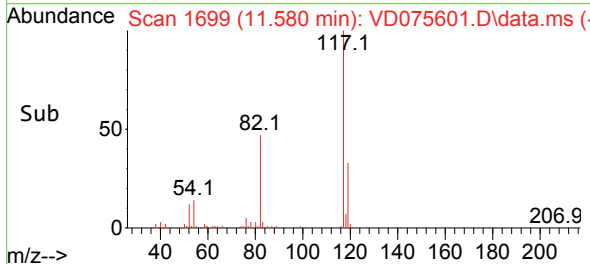
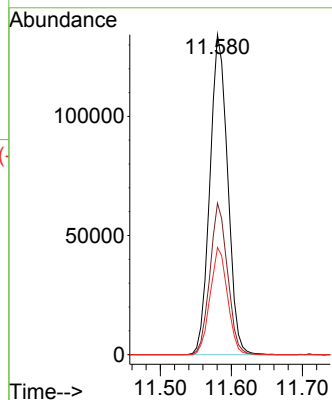
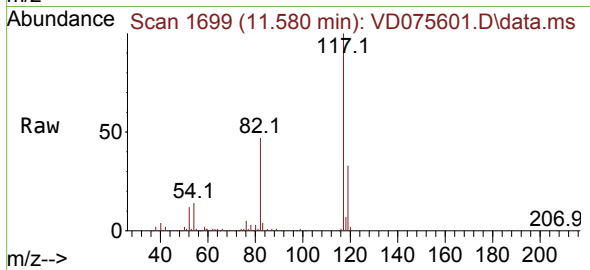
Tgt Ion:117 Resp: 233540

Ion Ratio Lower Upper

117 100

82 47.4 44.0 66.0

119 33.5 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075601.D

Acq: 07 Apr 2023 15:18

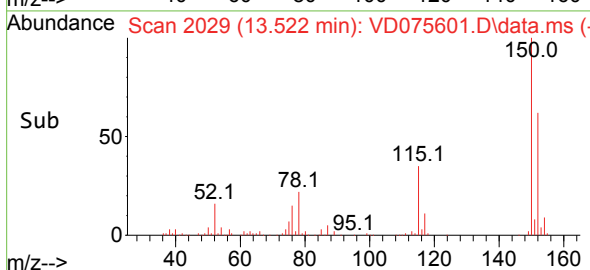
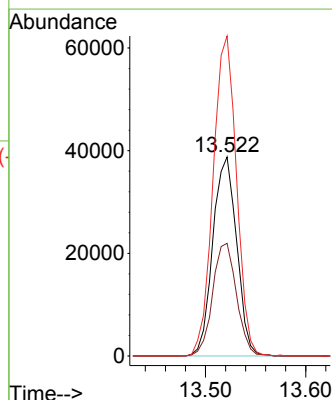
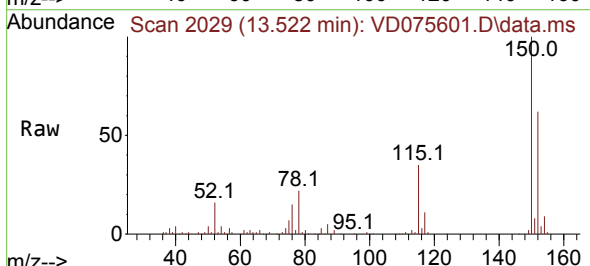
Tgt Ion:152 Resp: 64157

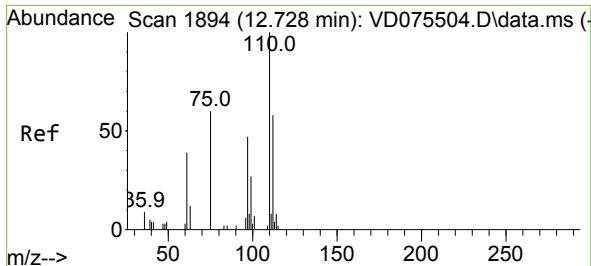
Ion Ratio Lower Upper

152 100

115 56.7 30.1 90.3

150 157.3 0.0 364.8

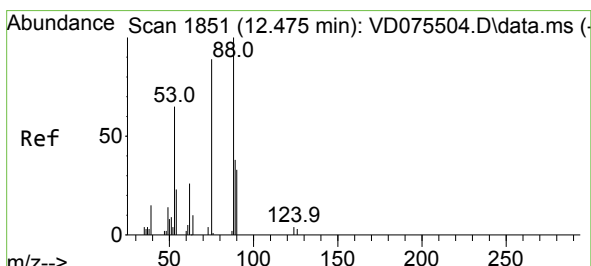
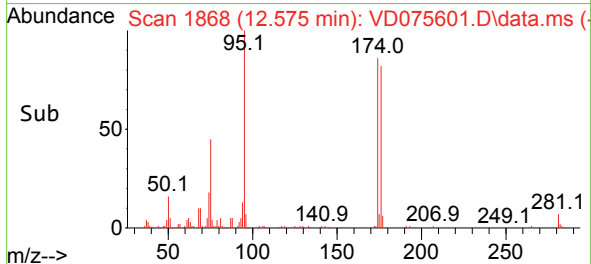
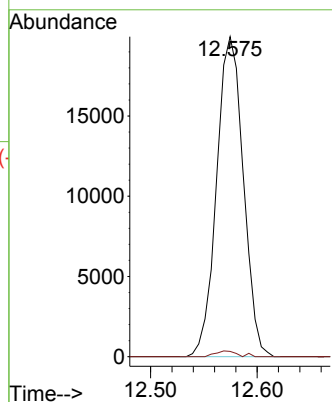
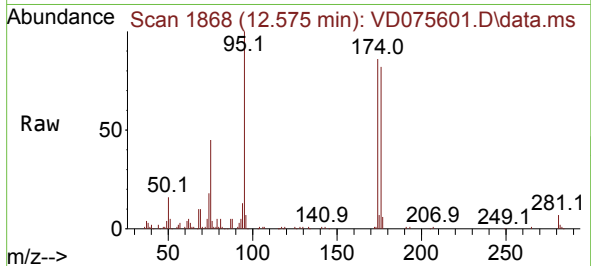




#76
1,2,3-Trichloropropane
Concen: 66.019 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :
RO-124035

Tgt Ion: 75 Resp: 34738
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.866 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075601.D
Acq: 07 Apr 2023 15:18

Tgt Ion: 75 Resp: 34738
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

