

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076814.D
 Acq On : 26 Jul 2023 19:09
 Operator : KP/SY
 Sample : 03769-11
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 04:26:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

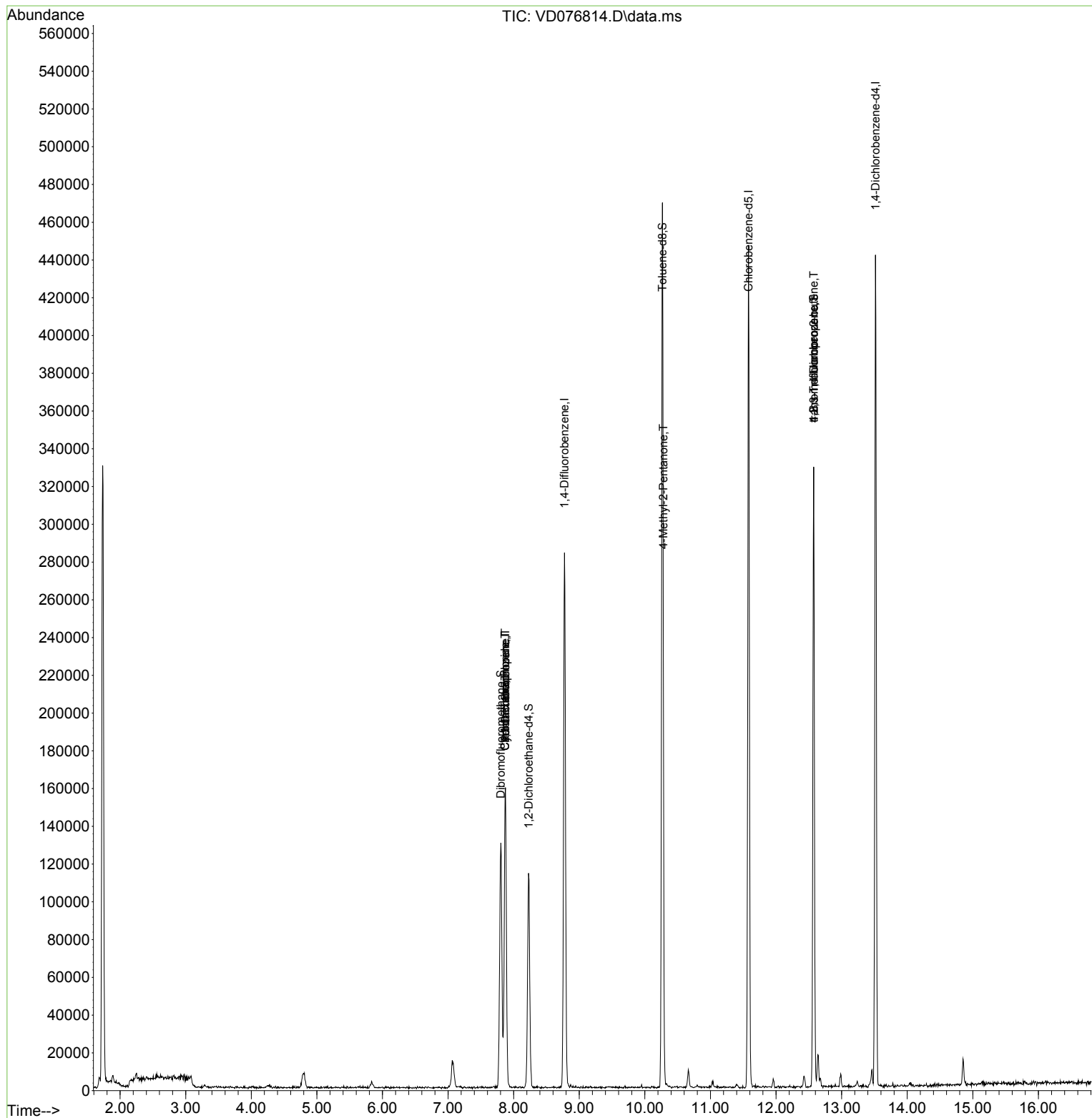
Internal Standards						
1) Pentafluorobenzene	7.875	168	123714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	265948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	261675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86720	70.376	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.760%	
35) Dibromofluoromethane	7.804	113	94370	56.467	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.940%	
50) Toluene-d8	10.269	98	327993	54.861	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.720%	
62) 4-Bromofluorobenzene	12.575	95	96566	49.928	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.860%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.793	84	3919	Below Cal	#	79
31) Cyclohexane	7.869	56	2791	1.539	ug/l #	39
36) 1,1-Dichloropropene	7.875	75	9697	4.440	ug/l #	46
38) Carbon Tetrachloride	7.869	117	12876	6.158	ug/l #	16
51) 4-Methyl-2-Pentanone	10.281	43	1357	1.337	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	52279	46.693	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	52279	99.375	ug/l #	17

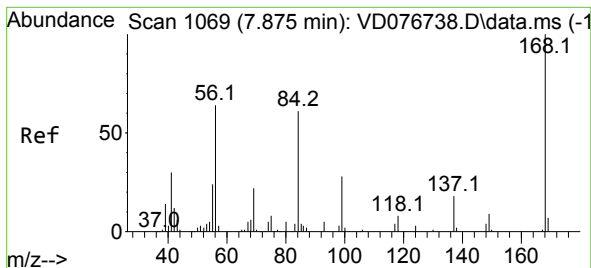
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.000 min

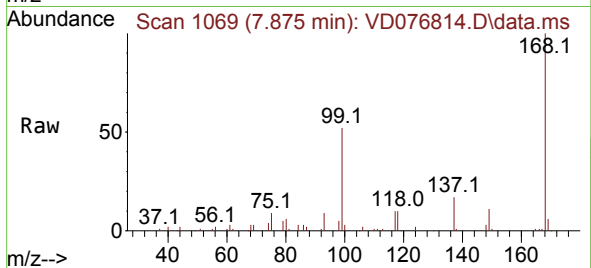
Lab File: VD076814.D

Acq: 26 Jul 2023 19:09

Instrument :

MSVOA_D

ClientSampleId :

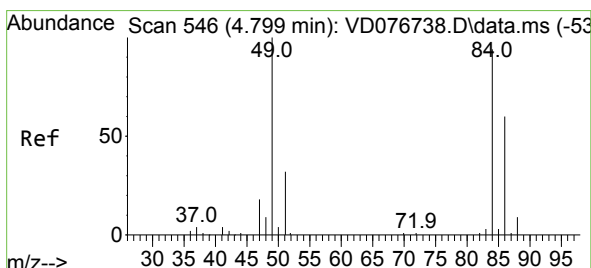
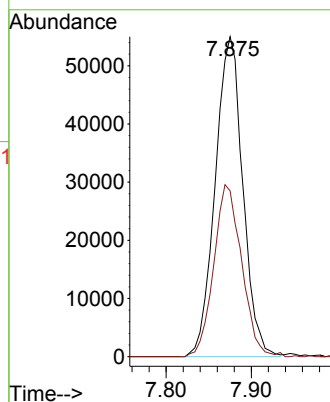
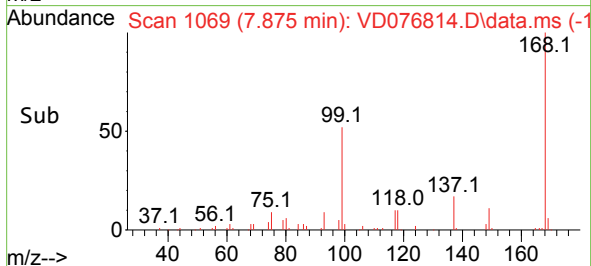


Tgt Ion:168 Resp: 123714

Ion Ratio Lower Upper

168 100

99 51.8 36.7 55.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD076814.D

Acq: 26 Jul 2023 19:09

Tgt Ion: 84 Resp: 3919

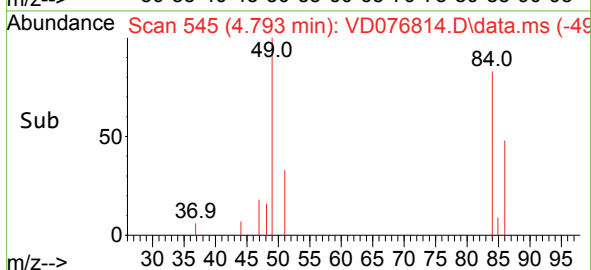
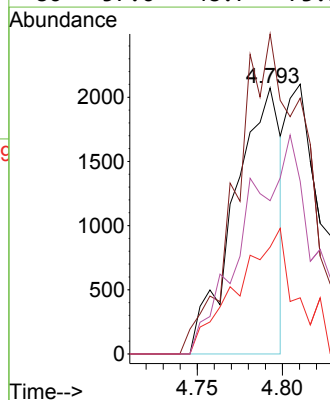
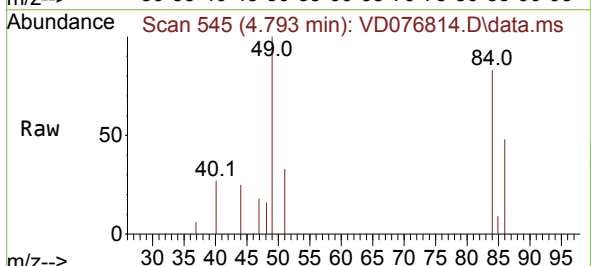
Ion Ratio Lower Upper

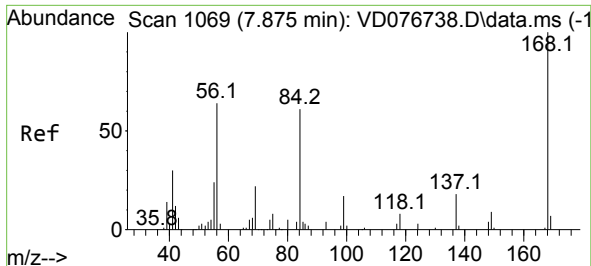
84 100

49 120.3 71.4 107.2#

51 40.1 24.5 36.7#

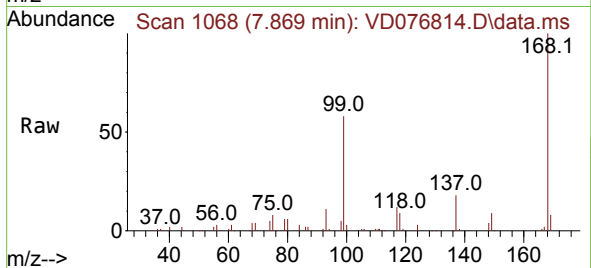
86 57.6 48.7 73.1



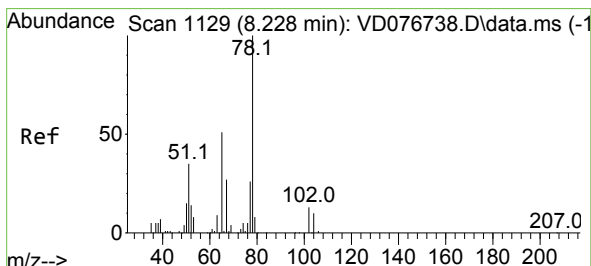
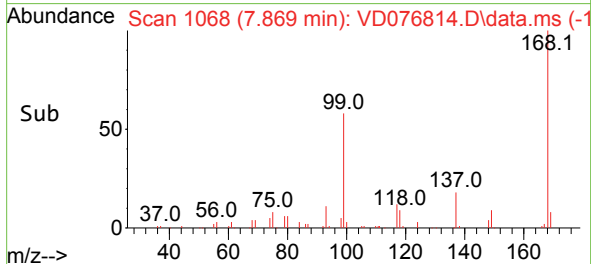
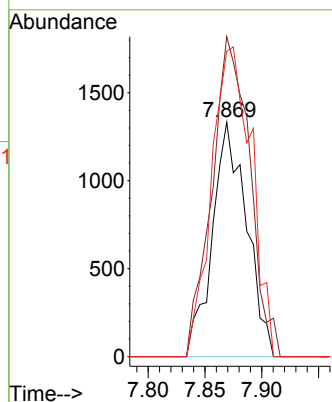


#31
Cyclohexane
Concen: 1.539 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076814.D
Acq: 26 Jul 2023 19:09

Instrument :
MSVOA_D
ClientSampleId :

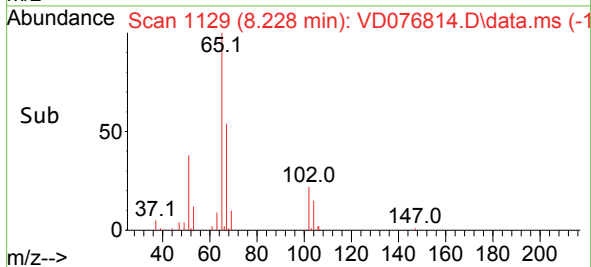
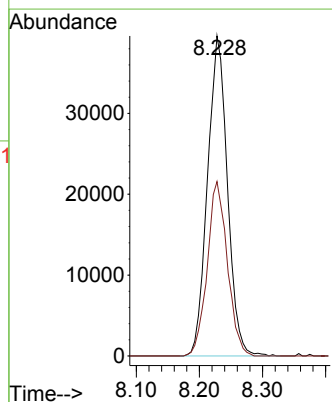
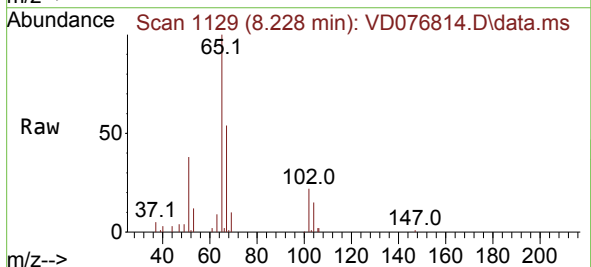


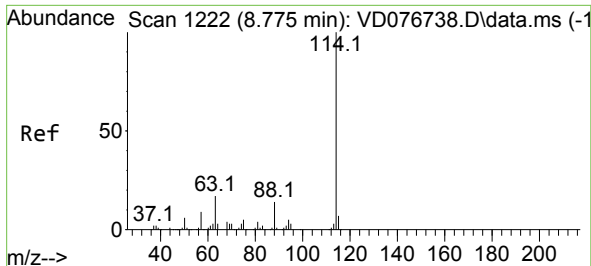
Tgt Ion: 56 Resp: 2791
Ion Ratio Lower Upper
56 100
69 136.6 28.6 43.0#
84 130.3 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 70.376 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076814.D
Acq: 26 Jul 2023 19:09

Tgt Ion: 65 Resp: 86720
Ion Ratio Lower Upper
65 100
67 55.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076814.D

Acq: 26 Jul 2023 19:09

Instrument :

MSVOA_D

ClientSampleId :

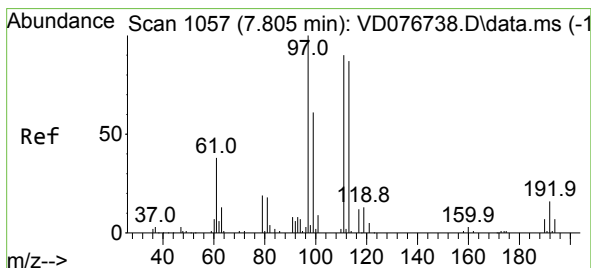
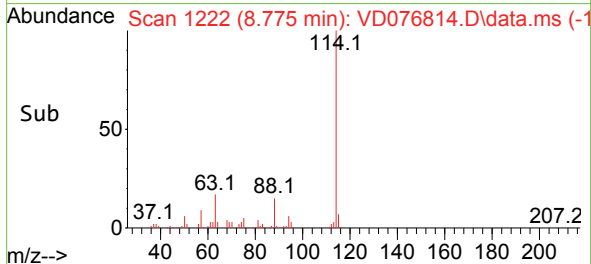
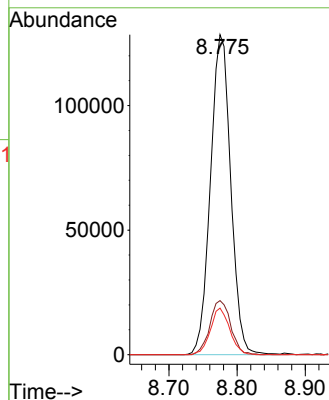
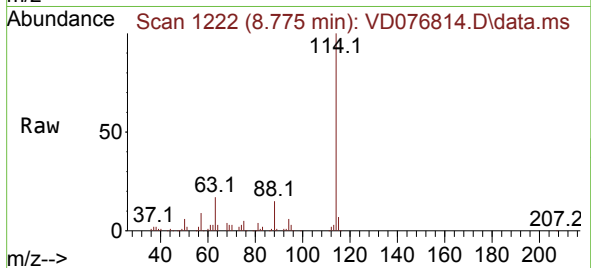
Tgt Ion:114 Resp: 265948

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 14.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 56.467 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076814.D

Acq: 26 Jul 2023 19:09

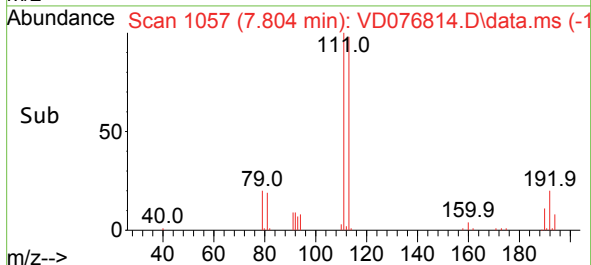
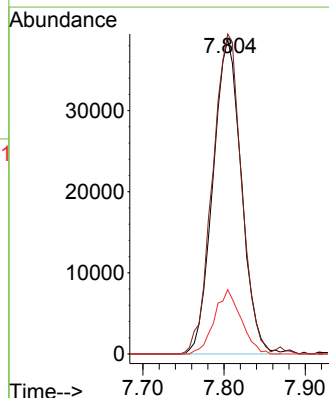
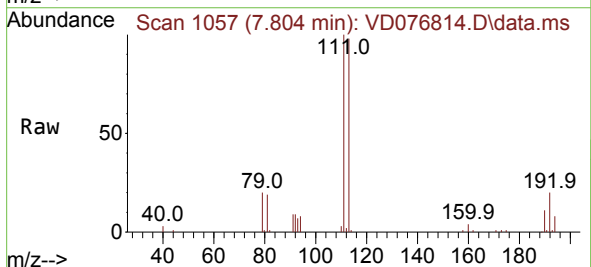
Tgt Ion:113 Resp: 94370

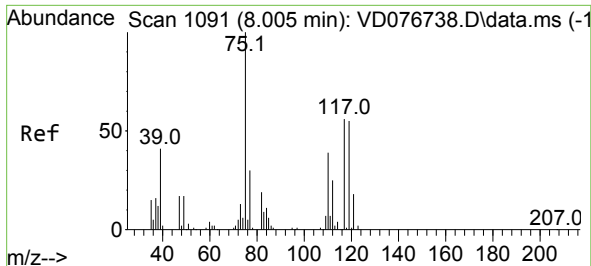
Ion Ratio Lower Upper

113 100

111 103.7 84.7 127.1

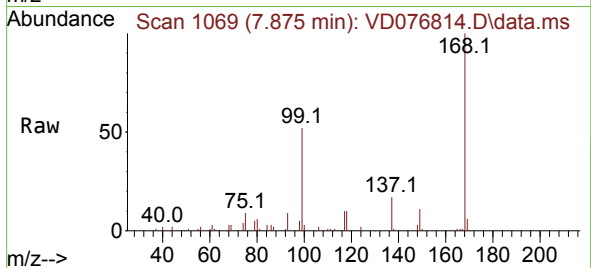
192 19.2 16.8 25.2



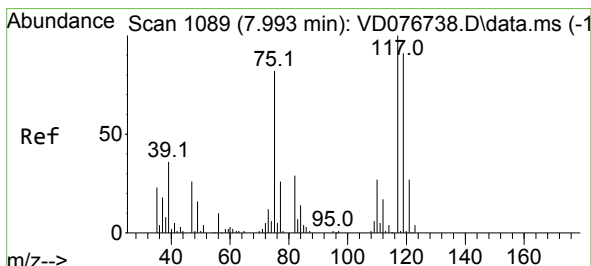
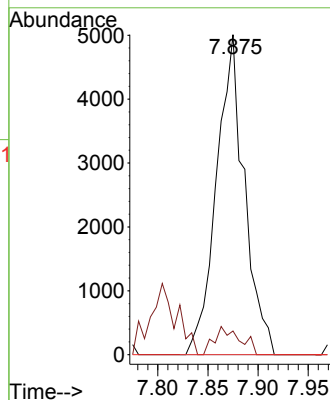
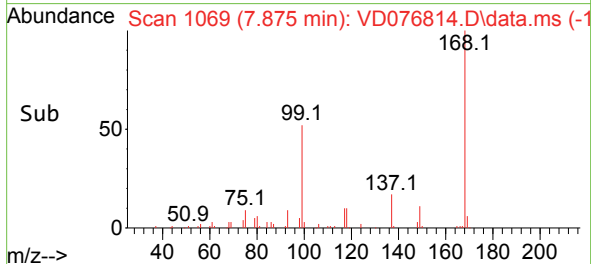


#36
 1,1-Dichloropropene
 Concen: 4.440 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.130 min
 Lab File: VD076814.D
 Acq: 26 Jul 2023 19:09

Instrument :
 MSVOA_D
 ClientSampleId :

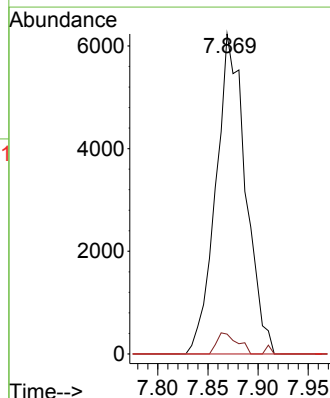
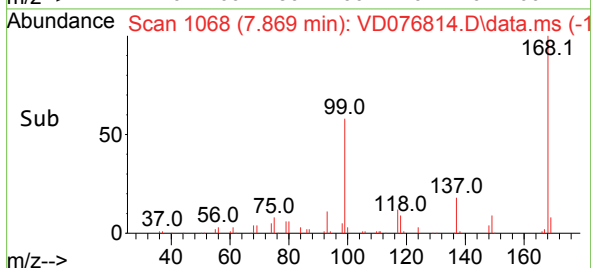
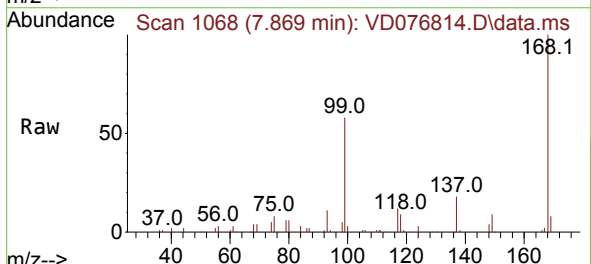


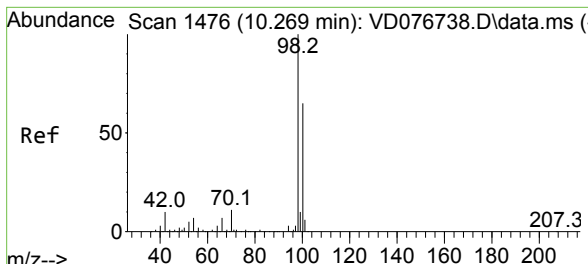
Tgt Ion: 75 Resp: 9697
 Ion Ratio Lower Upper
 75 100
 110 8.0 19.9 59.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.158 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.124 min
 Lab File: VD076814.D
 Acq: 26 Jul 2023 19:09

Tgt Ion: 117 Resp: 12876
 Ion Ratio Lower Upper
 117 100
 119 6.2 78.0 117.0#
 121 0.0 24.2 36.2#

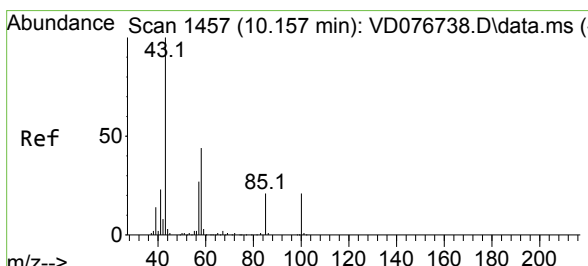
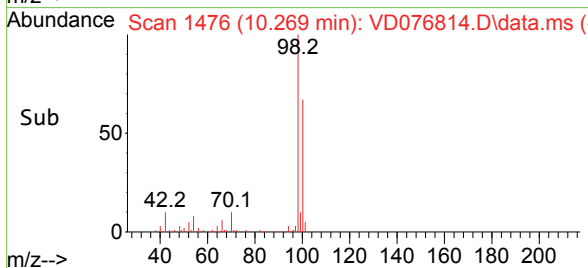
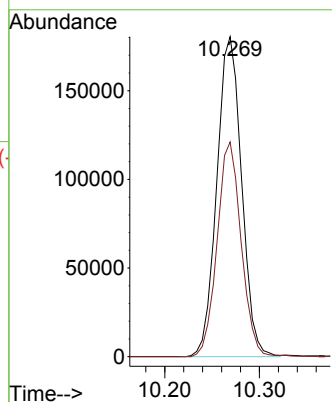
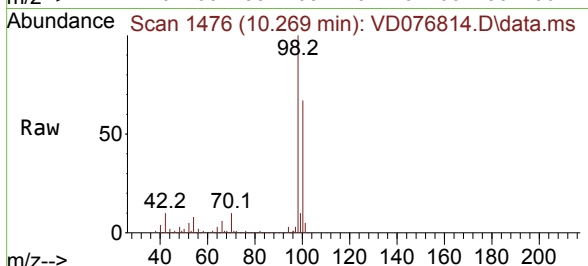




#50
Toluene-d8
Concen: 54.861 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076814.D
Acq: 26 Jul 2023 19:09

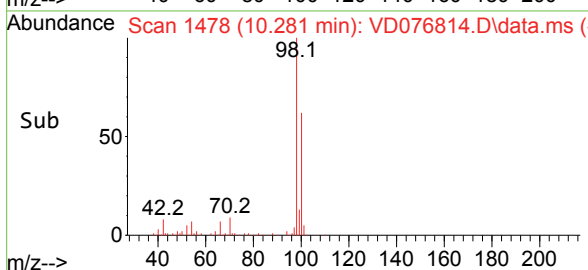
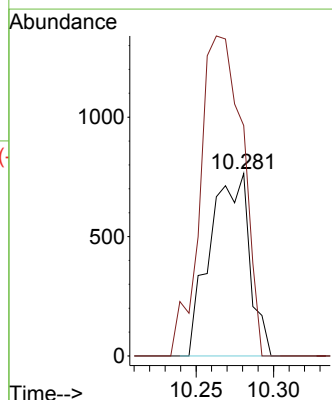
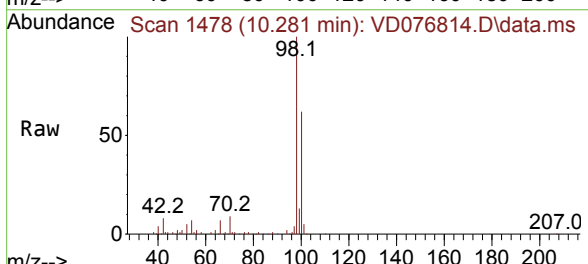
Instrument :
MSVOA_D
ClientSampleId :

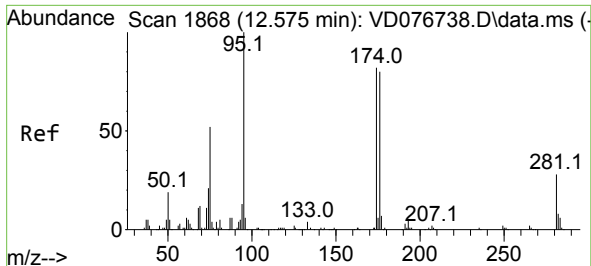
Tgt Ion: 98 Resp: 327993
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.337 ug/l
RT: 10.281 min Scan# 1478
Delta R.T. 0.124 min
Lab File: VD076814.D
Acq: 26 Jul 2023 19:09

Tgt Ion: 43 Resp: 1357
Ion Ratio Lower Upper
43 100
58 188.3 38.9 58.3#

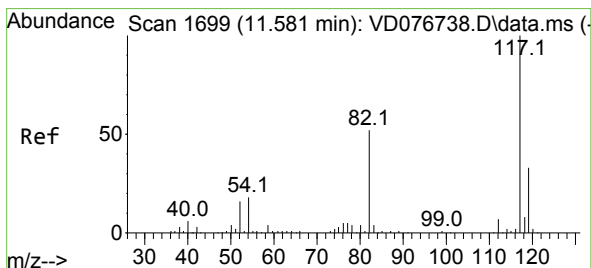
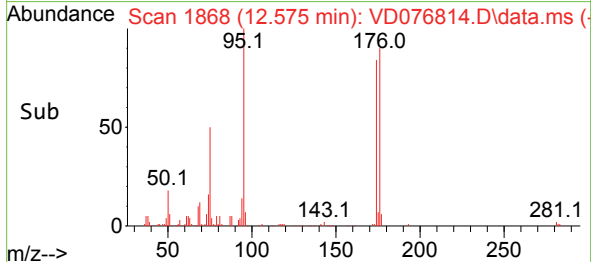
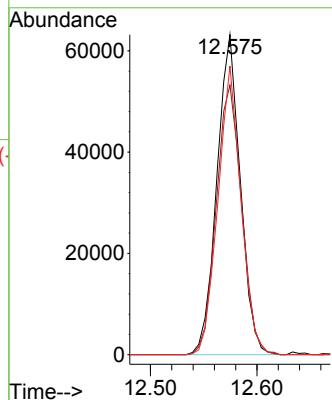
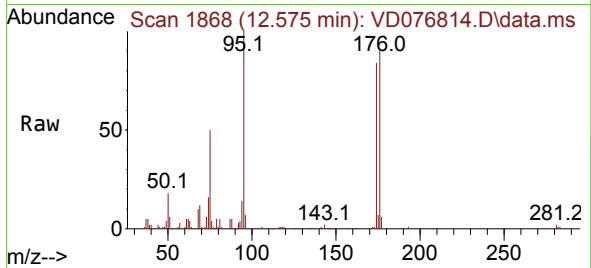




#62
4-Bromofluorobenzene
Concen: 49.928 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076814.D
Acq: 26 Jul 2023 19:09

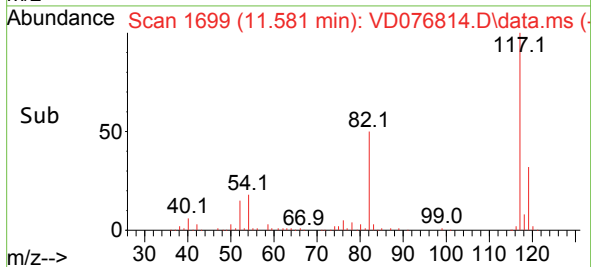
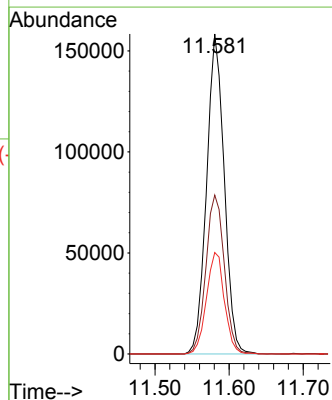
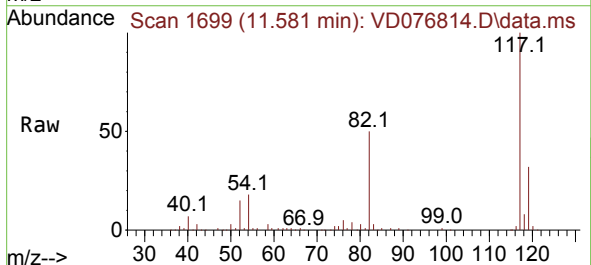
Instrument :
MSVOA_D
ClientSampleId :

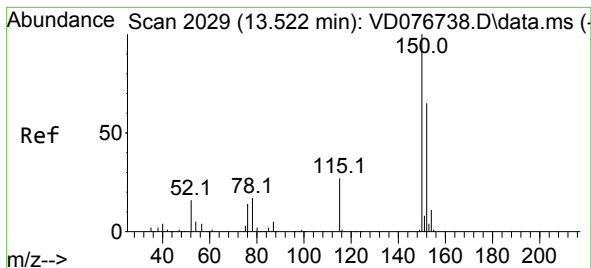
Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	201.8
176	88.4	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076814.D
Acq: 26 Jul 2023 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.6	38.3	57.5
119	31.7	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2029

Delta R.T. -0.006 min

Lab File: VD076814.D

Acq: 26 Jul 2023 19:09

Instrument :

MSVOA_D

ClientSampleId :

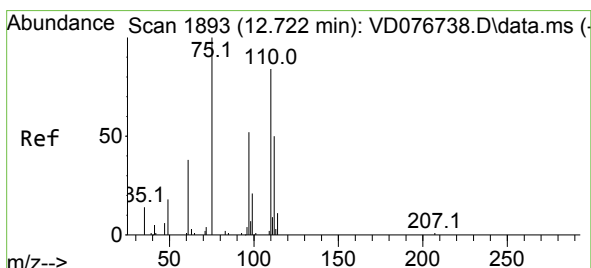
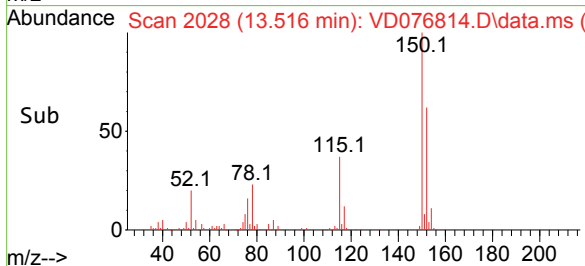
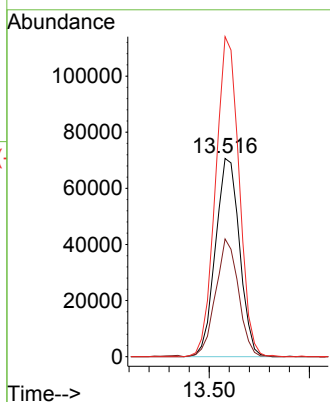
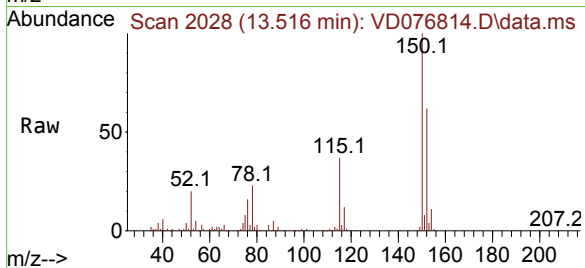
Tgt Ion:152 Resp: 117733

Ion Ratio Lower Upper

152 100

115 56.4 27.1 81.3

150 157.6 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 46.693 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076814.D

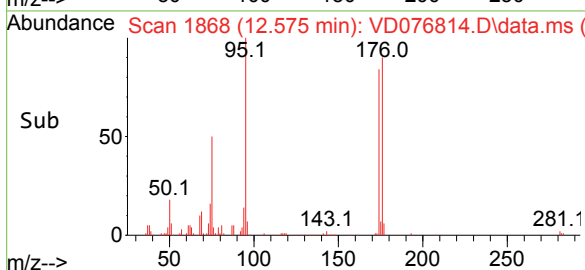
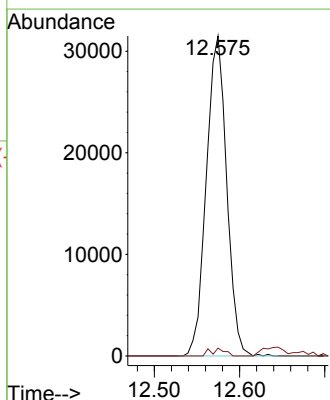
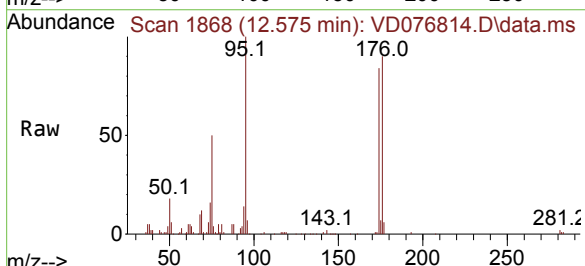
Acq: 26 Jul 2023 19:09

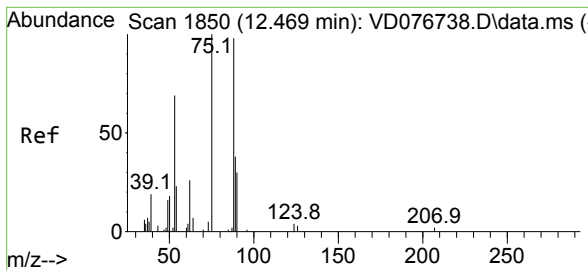
Tgt Ion: 75 Resp: 52279

Ion Ratio Lower Upper

75 100

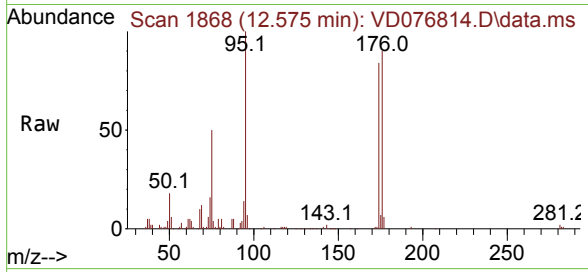
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.375 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076814.D
 Acq: 26 Jul 2023 19:09

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	52279
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.0	37.9	56.9#

