

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032924\
 Data File : VD078798.D
 Acq On : 29 Mar 2024 18:12
 Operator : RP/MD
 Sample : P1927-01
 Misc : 2.18G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11991

Quant Time: Mar 30 00:09:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

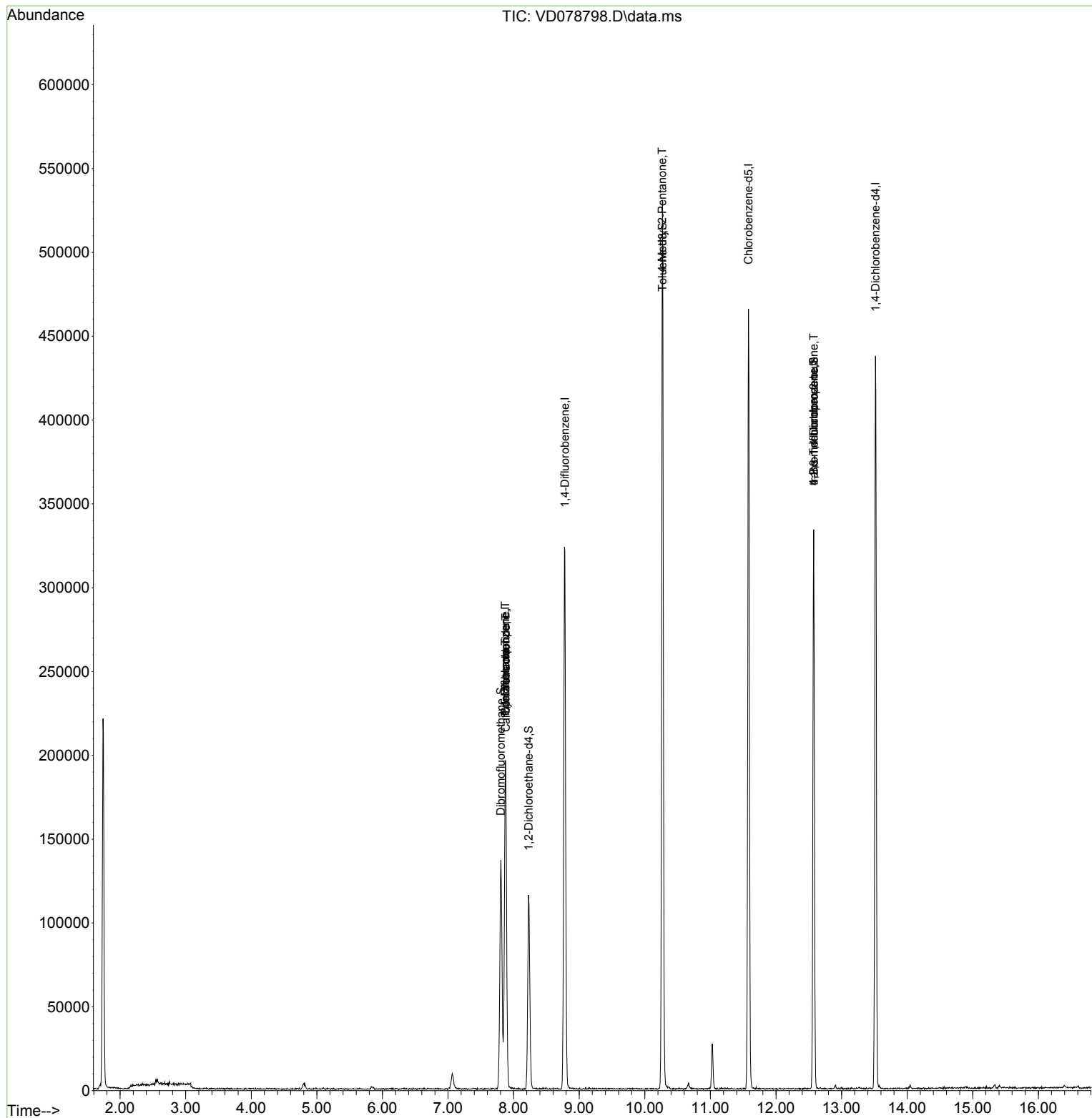
Internal Standards						
1) Pentafluorobenzene	7.875	168	157755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	301842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	284624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	121562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86020	58.184	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.360%	
35) Dibromofluoromethane	7.805	113	97867	50.359	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.720%	
50) Toluene-d8	10.269	98	368189	51.515	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	12.575	95	95515	45.680	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.360%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.811	84	2602	Below Cal	#	80
31) Cyclohexane	7.875	56	3028	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	11598	4.113	ug/l #	45
38) Carbon Tetrachloride	7.881	117	15044	5.061	ug/l #	17
51) 4-Methyl-2-Pentanone	10.263	43	1313	1.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	48807	52.113	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	48807	109.237	ug/l #	19

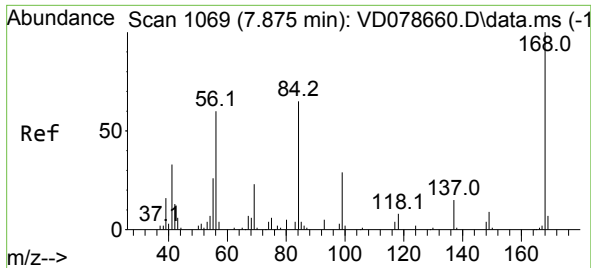
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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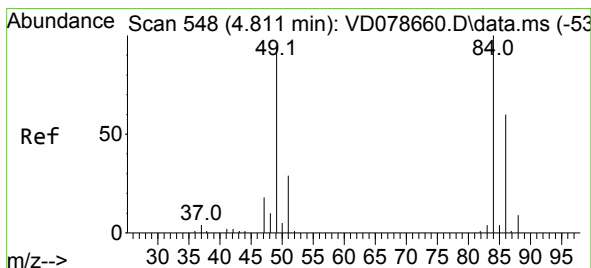
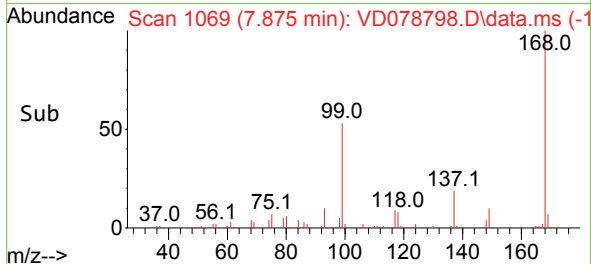
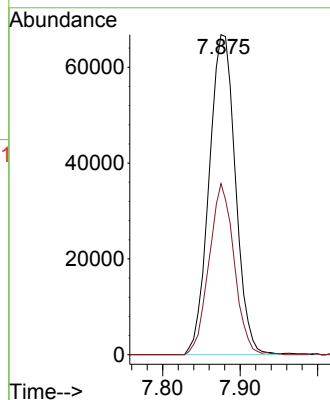
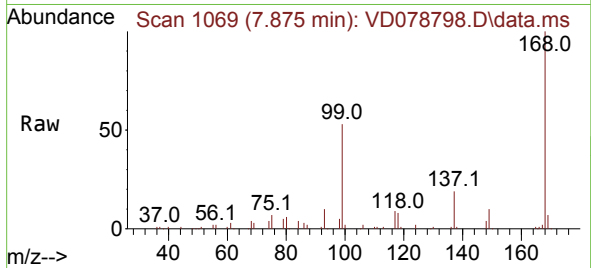




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078798.D
Acq: 29 Mar 2024 18:12

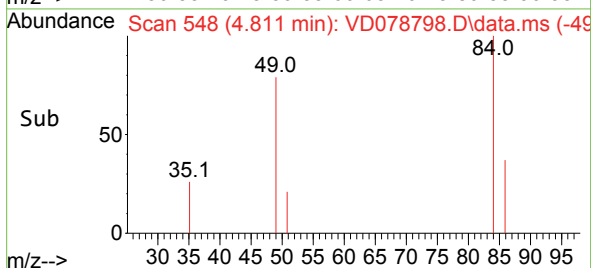
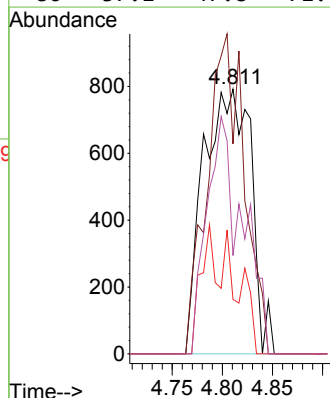
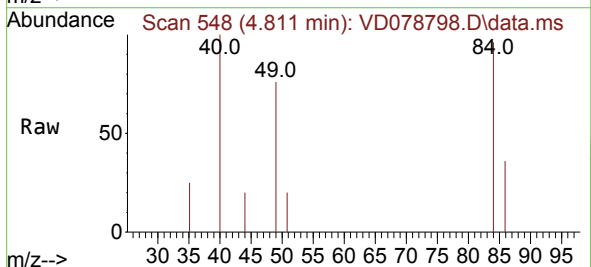
Instrument :
MSVOA_D
ClientSampleId :
72-11991

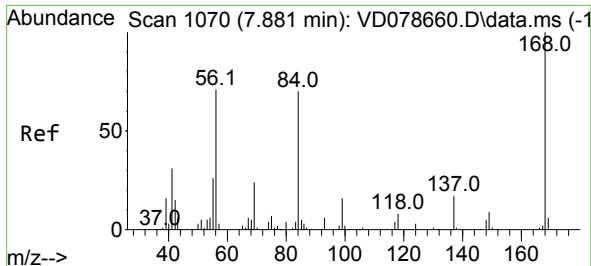
Tgt Ion:168 Resp: 157755
Ion Ratio Lower Upper
168 100
99 53.5 38.8 58.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. -0.000 min
Lab File: VD078798.D
Acq: 29 Mar 2024 18:12

Tgt Ion: 84 Resp: 2602
Ion Ratio Lower Upper
84 100
49 79.3 75.6 113.4
51 20.6 23.4 35.0#
86 37.1 47.8 71.6#

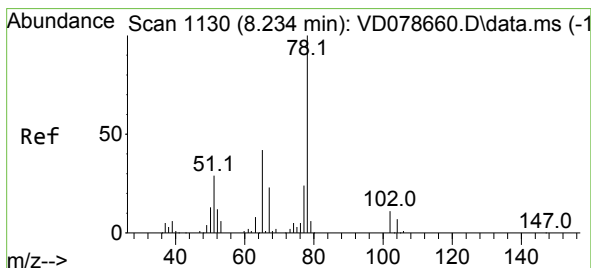
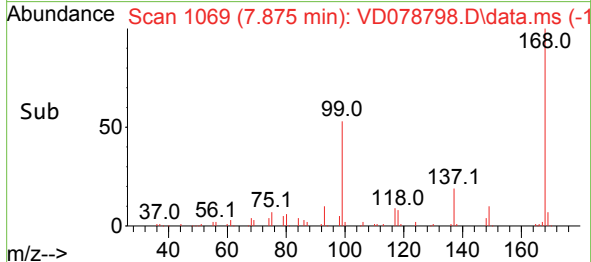
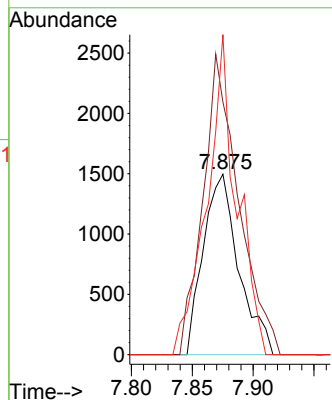
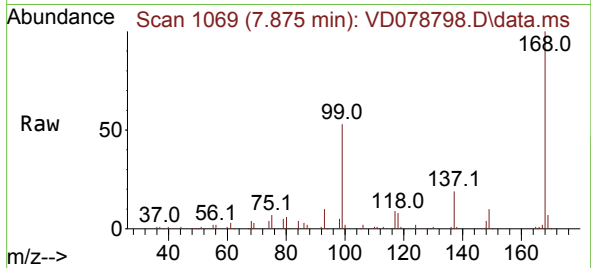




#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD078798.D
Acq: 29 Mar 2024 18:12

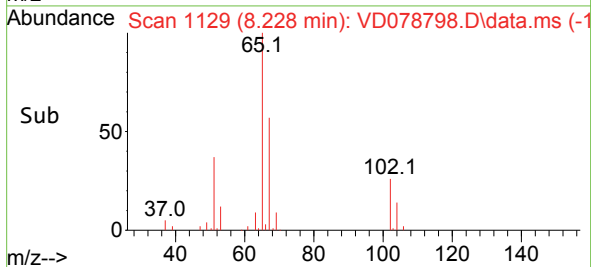
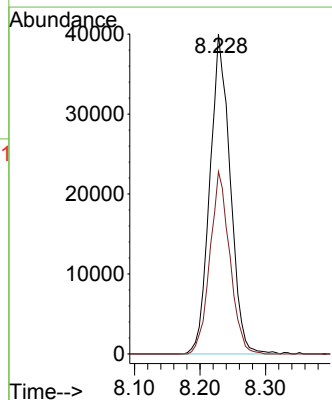
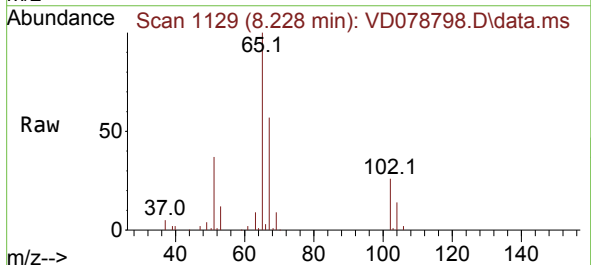
Instrument :
MSVOA_D
ClientSampleId :
72-11991

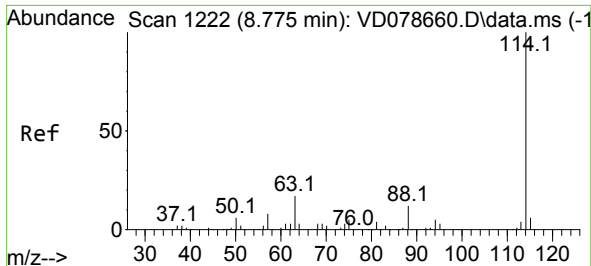
Tgt Ion: 56 Resp: 3028
Ion Ratio Lower Upper
56 100
69 139.9 26.6 40.0#
84 177.3 79.4 119.2#



#33
1,2-Dichloroethane-d4
Concen: 58.184 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078798.D
Acq: 29 Mar 2024 18:12

Tgt Ion: 65 Resp: 86020
Ion Ratio Lower Upper
65 100
67 55.7 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078798.D

Acq: 29 Mar 2024 18:12

Instrument :

MSVOA_D

ClientSampleId :

72-11991

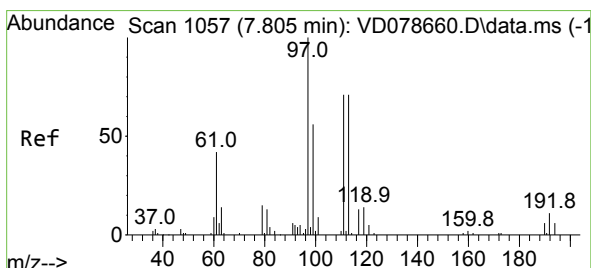
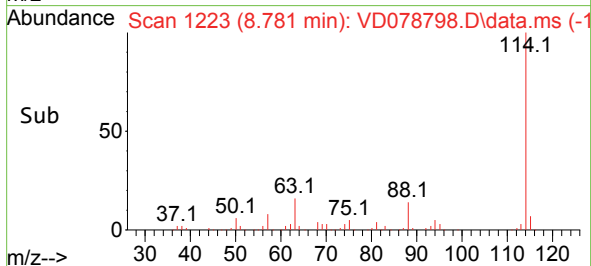
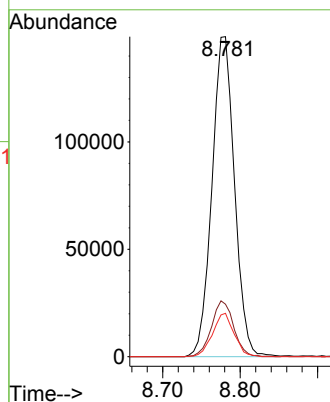
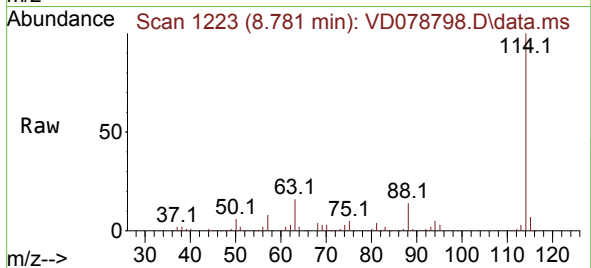
Tgt Ion:114 Resp: 301842

Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.4

88 13.6 0.0 24.6



#35

Dibromofluoromethane

Concen: 50.359 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD078798.D

Acq: 29 Mar 2024 18:12

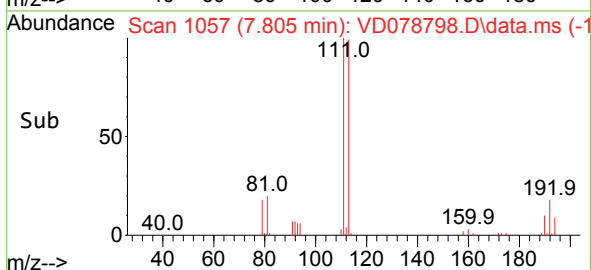
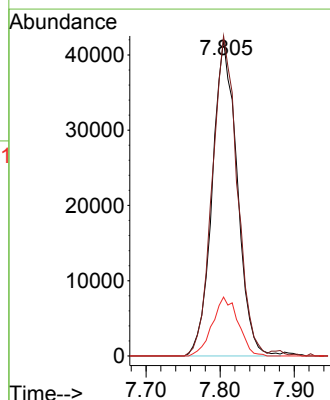
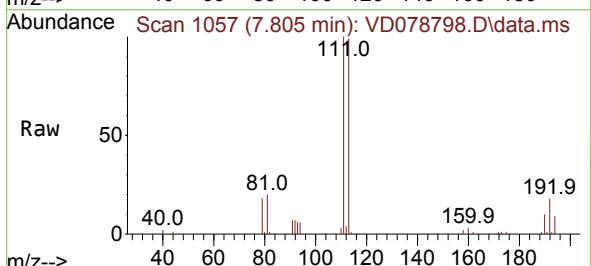
Tgt Ion:113 Resp: 97867

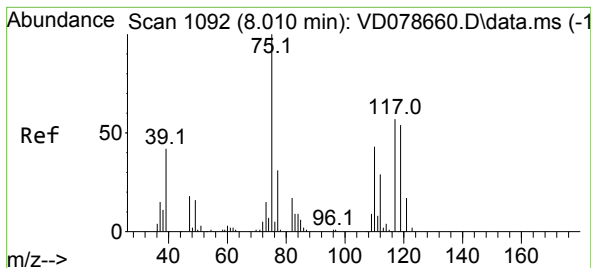
Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

192 19.4 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.113 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078798.D

Acq: 29 Mar 2024 18:12

Instrument :

MSVOA_D

ClientSampleId :

72-11991

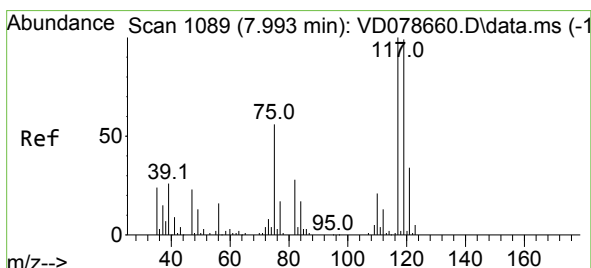
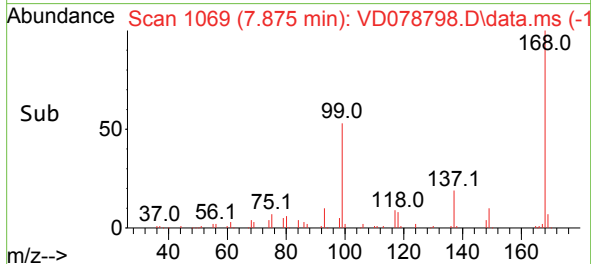
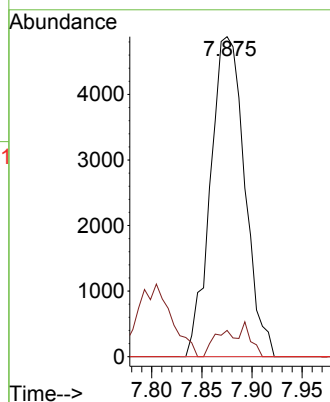
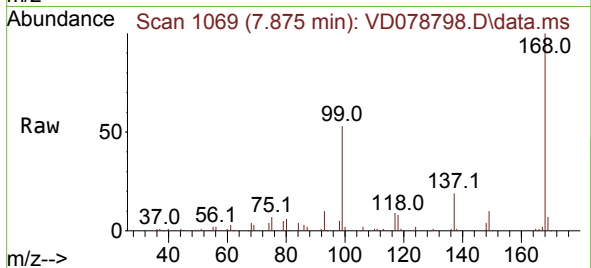
Tgt Ion: 75 Resp: 11598

Ion Ratio Lower Upper

75 100

110 5.6 19.1 57.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.061 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD078798.D

Acq: 29 Mar 2024 18:12

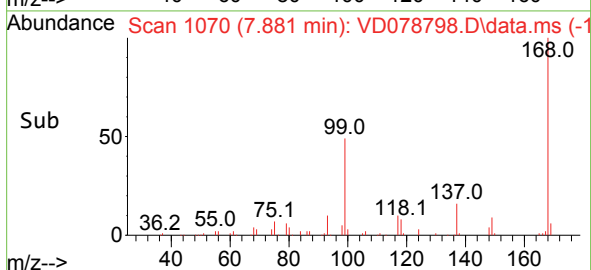
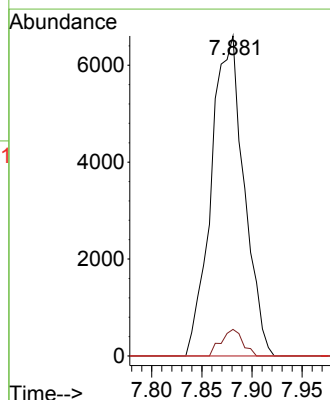
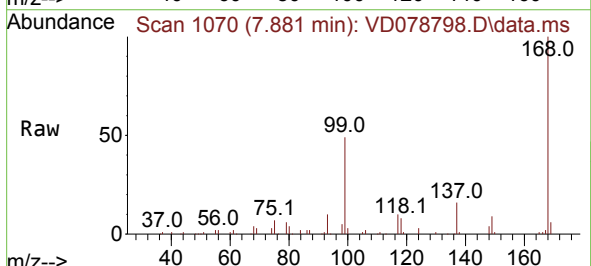
Tgt Ion: 117 Resp: 15044

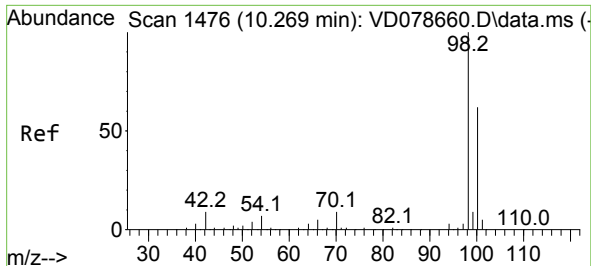
Ion Ratio Lower Upper

117 100

119 8.3 79.2 118.8#

121 0.0 26.8 40.2#

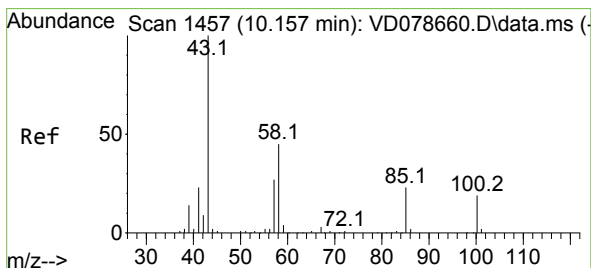
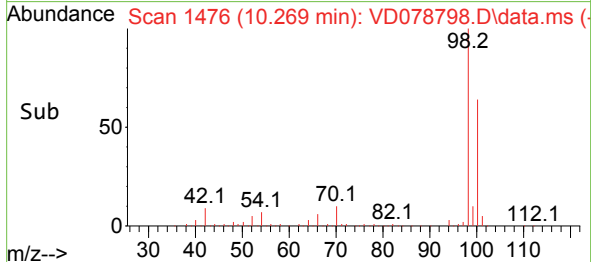
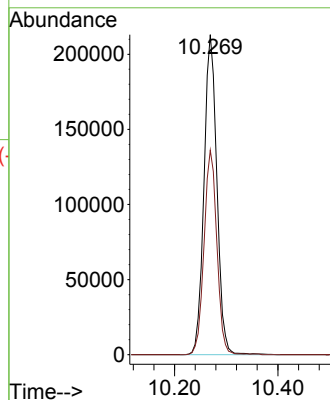
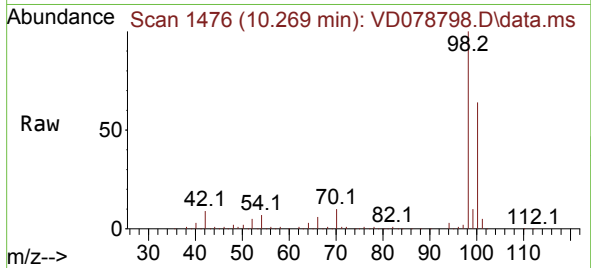




#50
Toluene-d8
Concen: 51.515 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078798.D
Acq: 29 Mar 2024 18:12

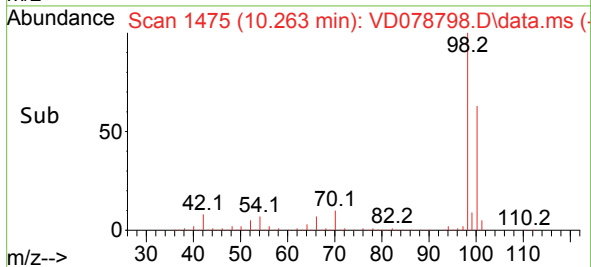
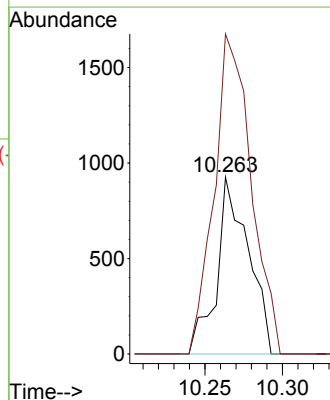
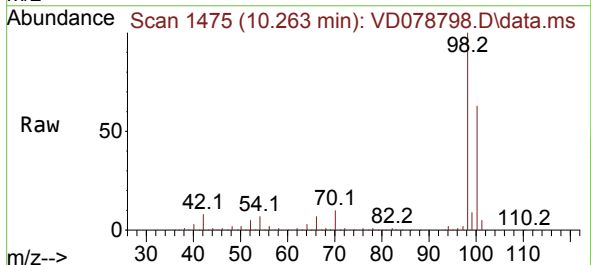
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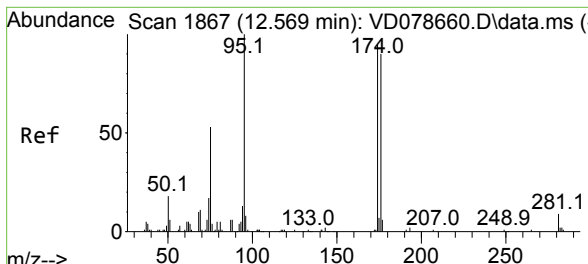
Tgt Ion: 98 Resp: 368189
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.499 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD078798.D
Acq: 29 Mar 2024 18:12

Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
58 212.3 36.4 54.6#

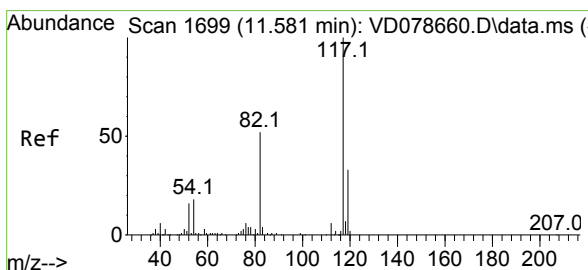
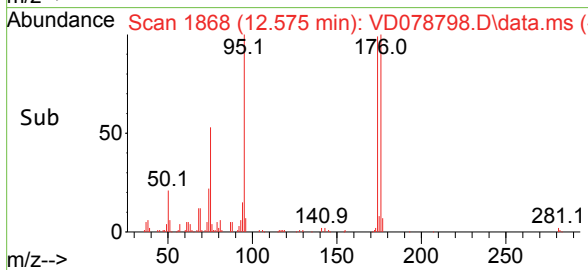
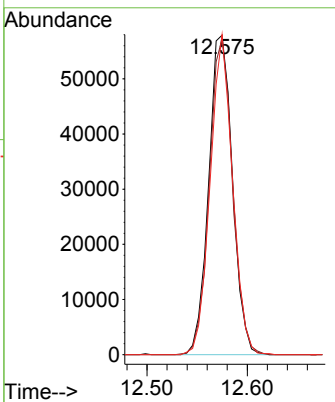
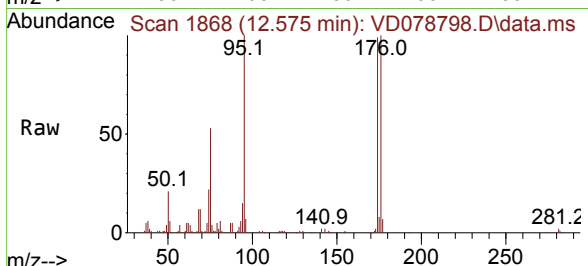




#62
4-Bromofluorobenzene
Concen: 45.680 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078798.D
Acq: 29 Mar 2024 18:12

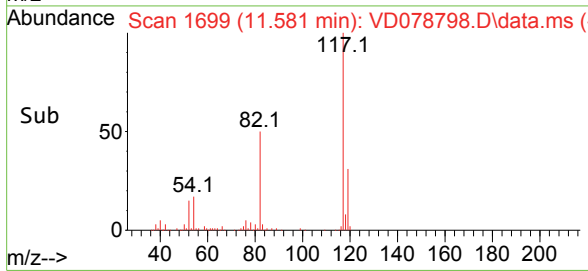
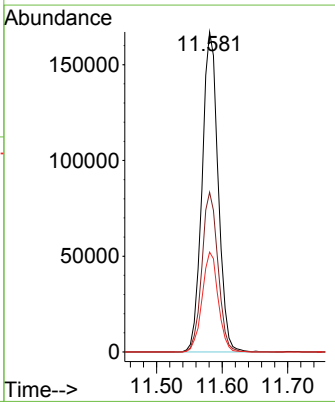
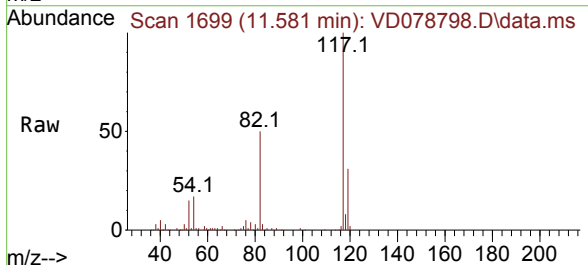
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MSVOA_D
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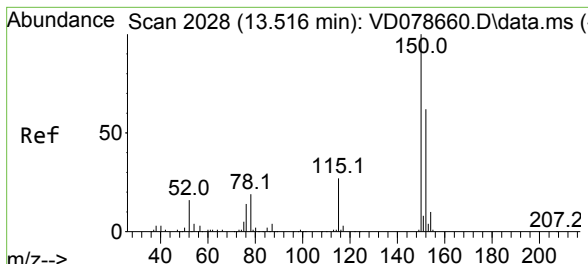
Tgt Ion:	95	Resp:	95515
Ion Ratio	Lower	Upper	
95	100		
174	96.3	0.0	195.2
176	93.7	0.0	188.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078798.D
Acq: 29 Mar 2024 18:12

Tgt Ion:	117	Resp:	284624
Ion Ratio	Lower	Upper	
117	100		
82	49.9	41.4	62.2
119	31.2	26.5	39.7

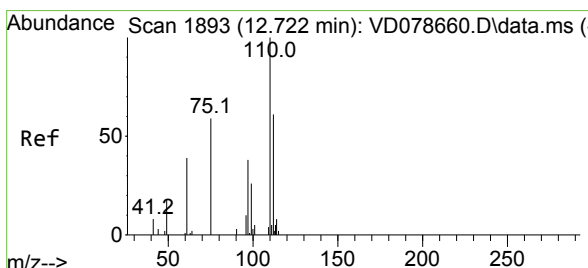
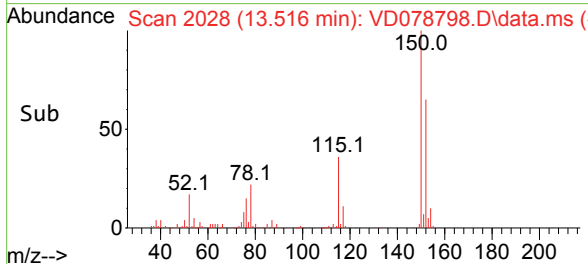
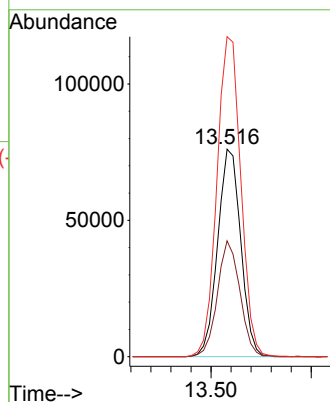
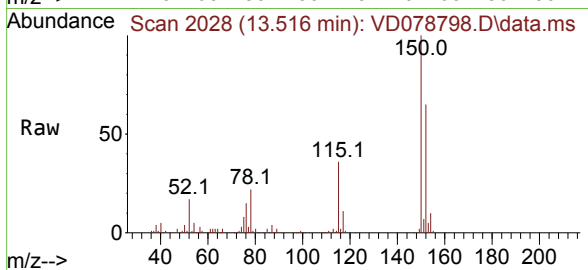




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD078798.D
 Acq: 29 Mar 2024 18:12

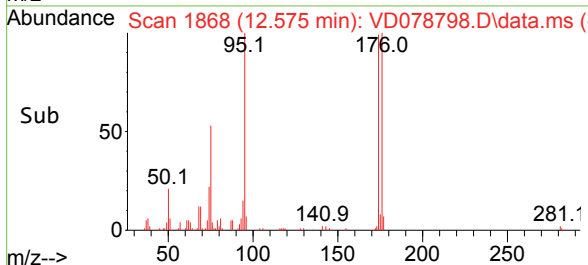
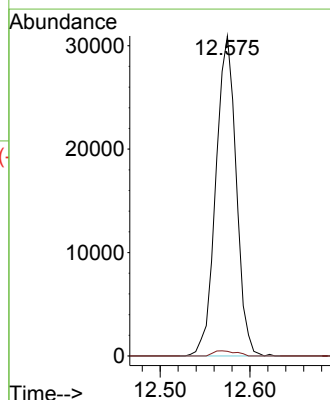
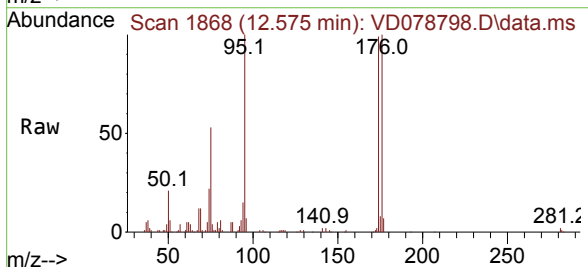
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11991

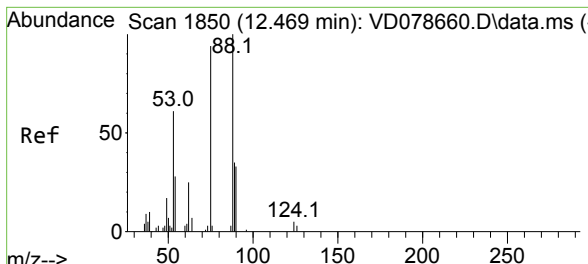
Tgt Ion:	152	Resp:	121562
Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.1	81.2
150	159.5	0.0	350.2



#76
 1,2,3-Trichloropropane
 Concen: 52.113 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078798.D
 Acq: 29 Mar 2024 18:12

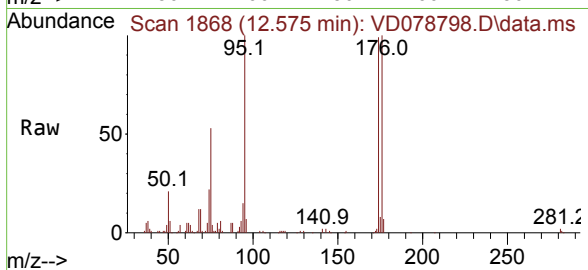
Tgt Ion:	75	Resp:	48807
Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.237 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078798.D
 Acq: 29 Mar 2024 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11991



Tgt Ion:	75	Resp:	48807
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.0	91.6#
89	0.0	35.4	53.0#

