

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032724\
 Data File : VD078758.D
 Acq On : 27 Mar 2024 18:01
 Operator : RP/MD
 Sample : P1879-03
 Misc : 3.78/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB-02(0-2)

Quant Time: Mar 28 05:12:25 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)

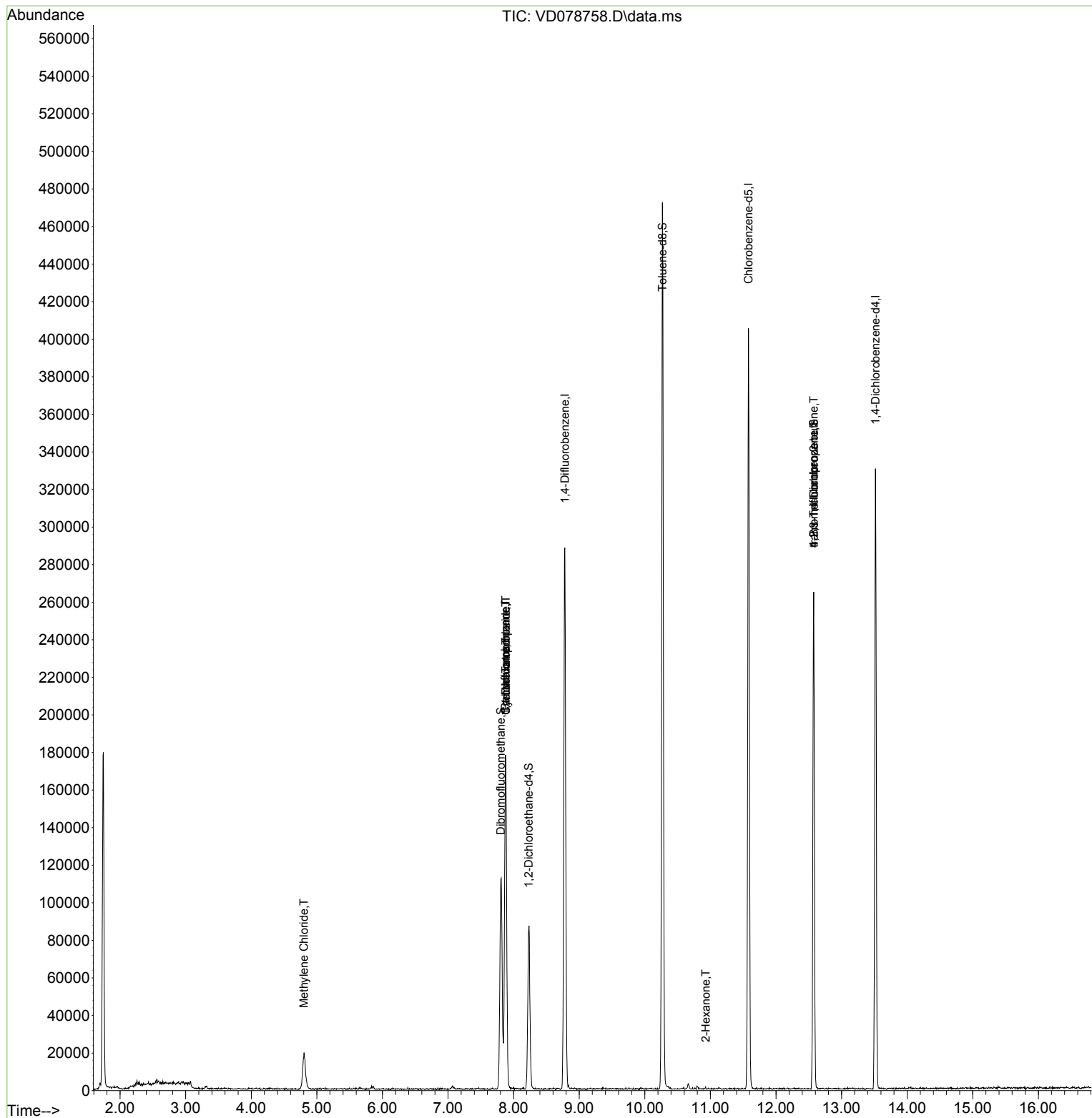
Internal Standards						
1) Pentafluorobenzene	7.875	168	139518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	267794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	241859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	65517	50.108	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.220%	
35) Dibromofluoromethane	7.805	113	85763	49.741	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.480%	
50) Toluene-d8	10.269	98	326347	51.466	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.940%	
62) 4-Bromofluorobenzene	12.575	95	77171	41.599	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.200%	
Target Compounds						Qvalue
20) Methylene Chloride	4.805	84	15644	4.658	ug/l	92
31) Cyclohexane	7.881	56	2899	1.319	ug/l #	51
36) 1,1-Dichloropropene	7.881	75	10923	4.366	ug/l #	46
38) Carbon Tetrachloride	7.881	117	13586	5.151	ug/l #	15
59) 2-Hexanone	10.928	43	643	1.116	ug/l #	57
76) 1,2,3-Trichloropropane	12.575	75	40663	58.202	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	40663	122.001	ug/l #	19

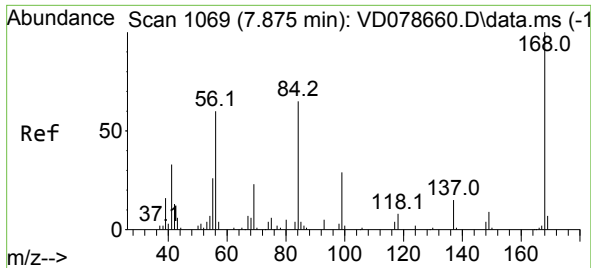
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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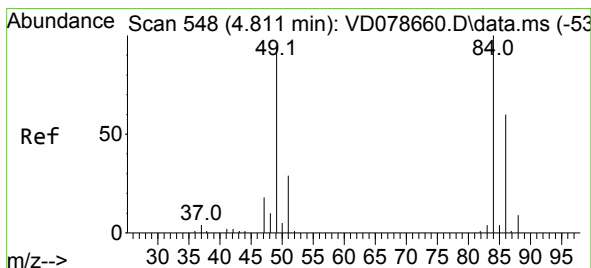
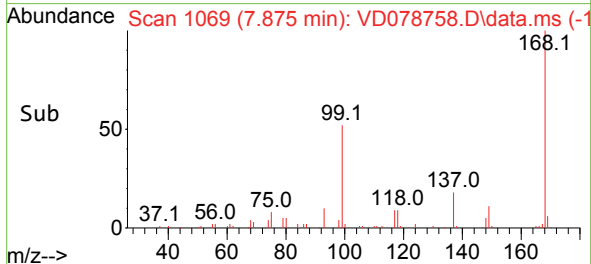
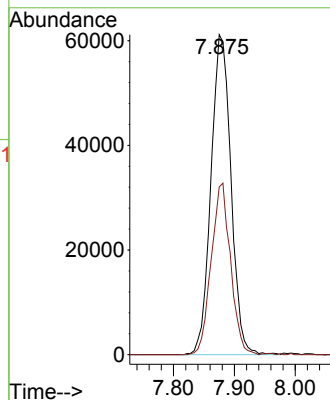
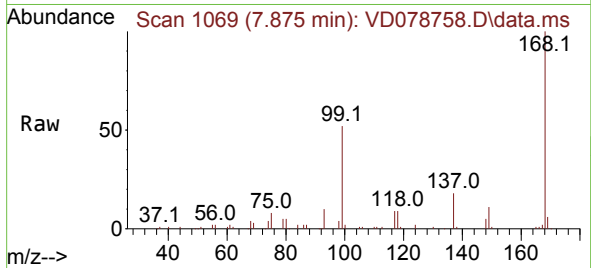




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078758.D
Acq: 27 Mar 2024 18:01

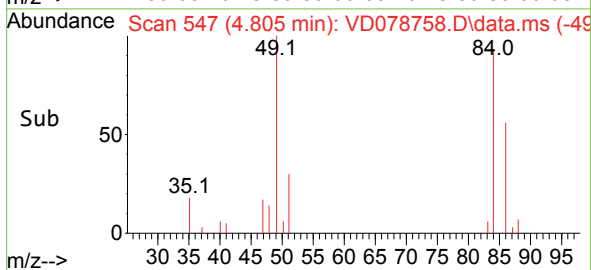
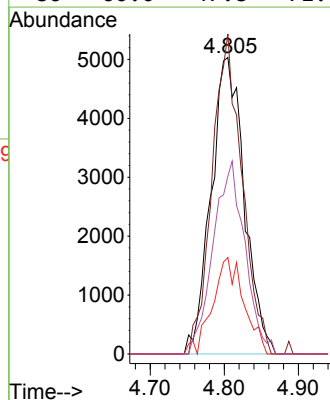
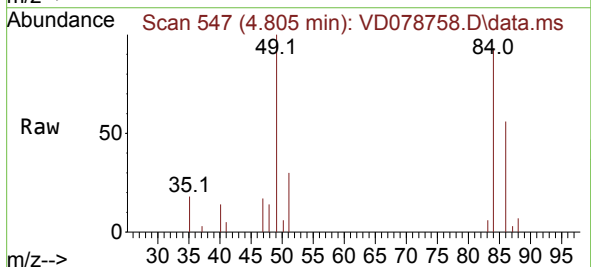
Instrument :
MSVOA_D
ClientSampleId :
EB-02(0-2)

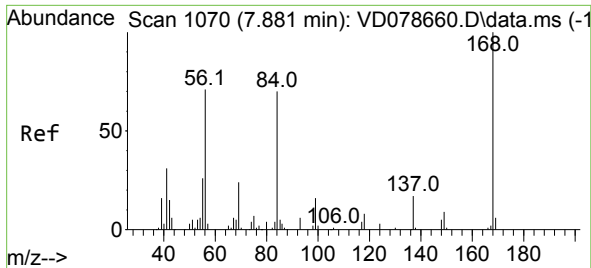
Tgt Ion:168 Resp: 139518
Ion Ratio Lower Upper
168 100
99 52.5 38.8 58.2



#20
Methylene Chloride
Concen: 4.658 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD078758.D
Acq: 27 Mar 2024 18:01

Tgt Ion: 84 Resp: 15644
Ion Ratio Lower Upper
84 100
49 107.9 75.6 113.4
51 32.5 23.4 35.0
86 60.0 47.8 71.6

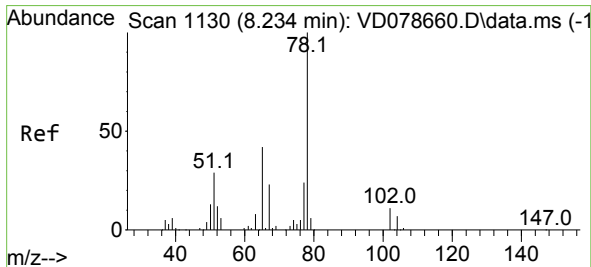
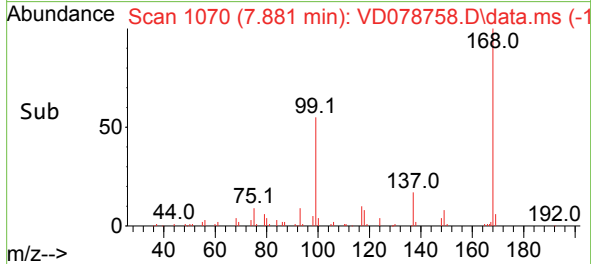
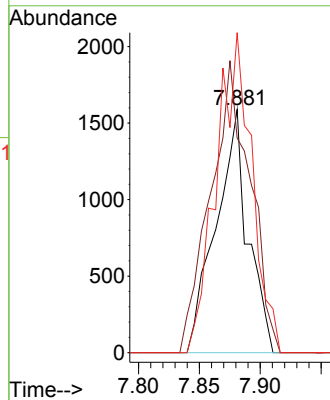
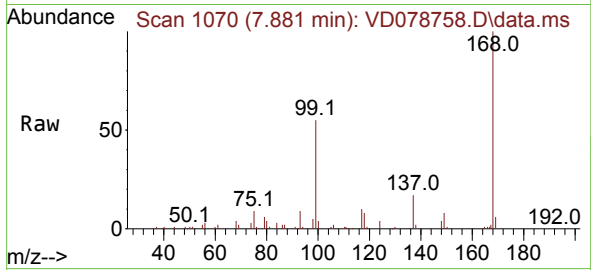




#31
Cyclohexane
Concen: 1.319 ug/l
RT: 7.881 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD078758.D
Acq: 27 Mar 2024 18:01

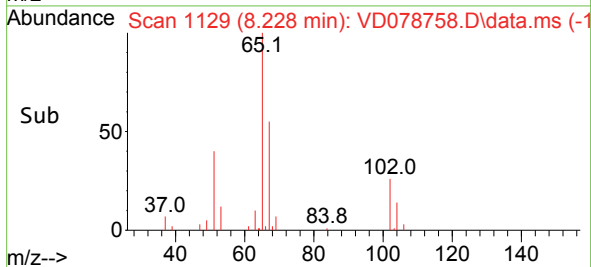
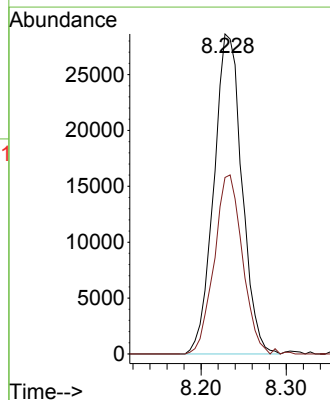
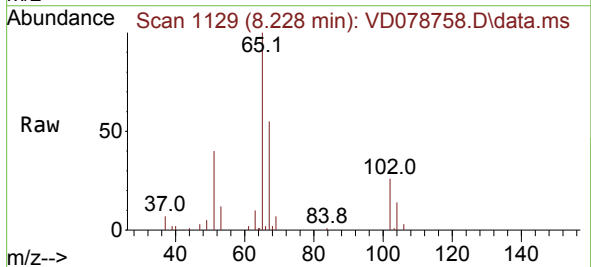
Instrument :
MSVOA_D
ClientSampleId :
EB-02(0-2)

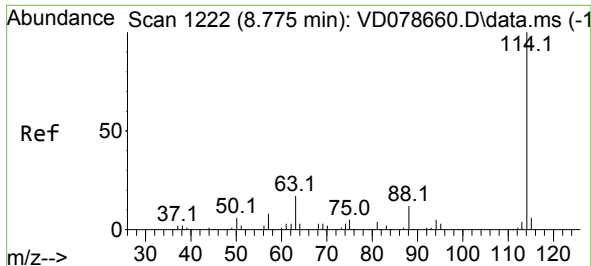
Tgt Ion: 56 Resp: 2899
Ion Ratio Lower Upper
56 100
69 88.2 26.6 40.0#
84 131.6 79.4 119.2#



#33
1,2-Dichloroethane-d4
Concen: 50.108 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078758.D
Acq: 27 Mar 2024 18:01

Tgt Ion: 65 Resp: 65517
Ion Ratio Lower Upper
65 100
67 56.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078758.D

Acq: 27 Mar 2024 18:01

Instrument :

MSVOA_D

ClientSampleId :

EB-02(0-2)

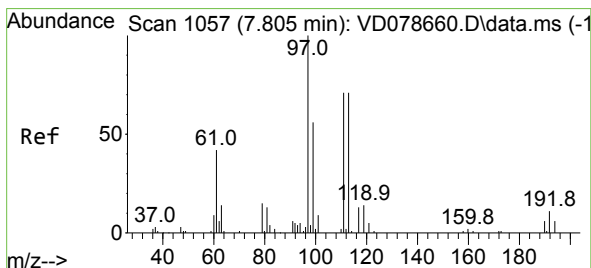
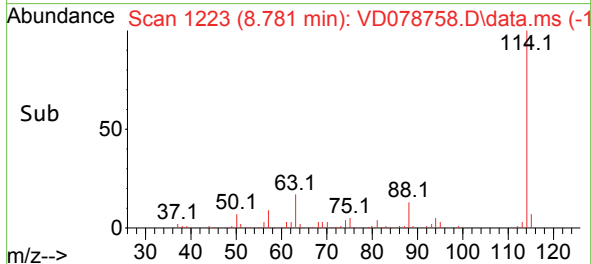
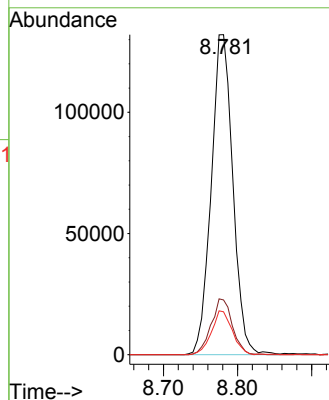
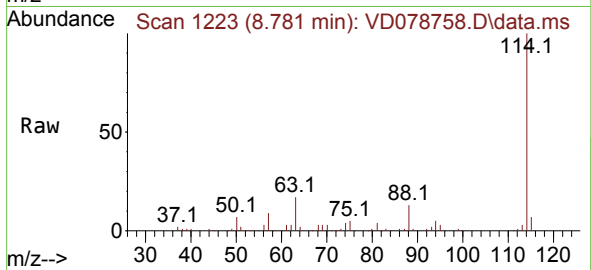
Tgt Ion:114 Resp: 267794

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

88 13.4 0.0 24.6



#35

Dibromofluoromethane

Concen: 49.741 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078758.D

Acq: 27 Mar 2024 18:01

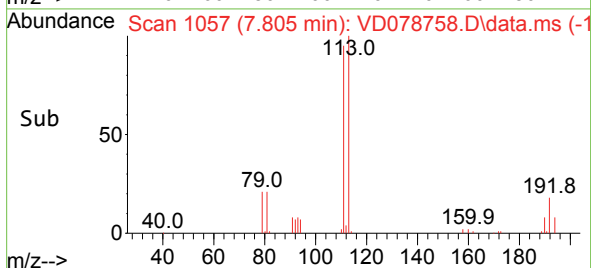
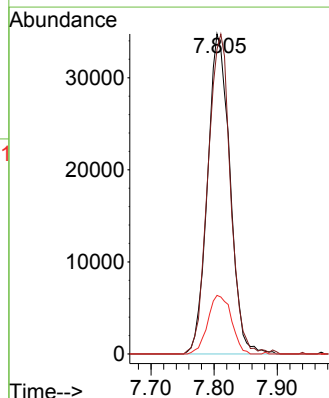
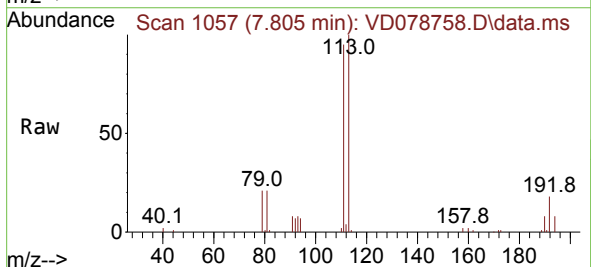
Tgt Ion:113 Resp: 85763

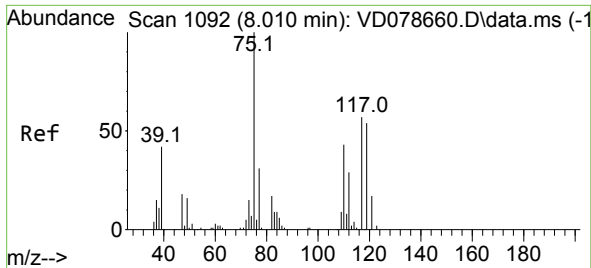
Ion Ratio Lower Upper

113 100

111 100.6 81.9 122.9

192 19.3 15.4 23.0

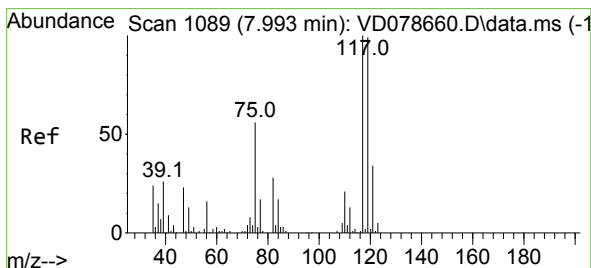
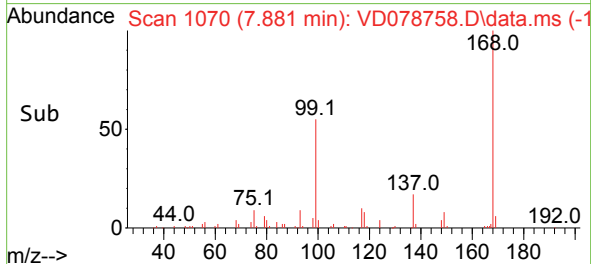
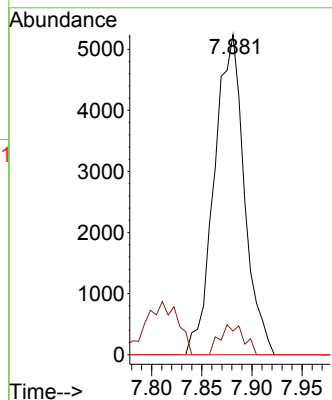
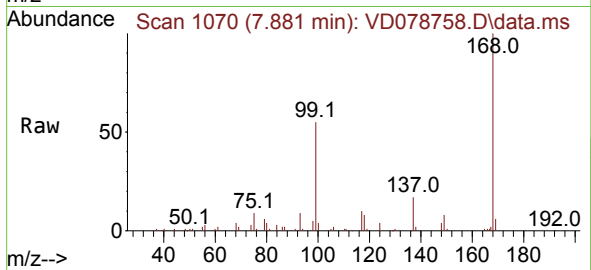




#36
1,1-Dichloropropene
Concen: 4.366 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD078758.D
Acq: 27 Mar 2024 18:01

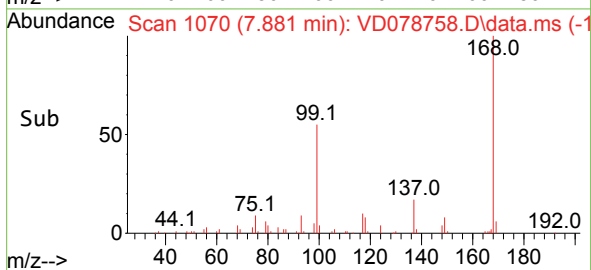
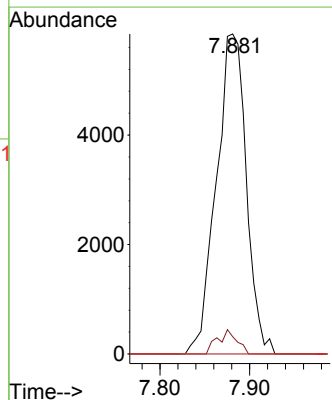
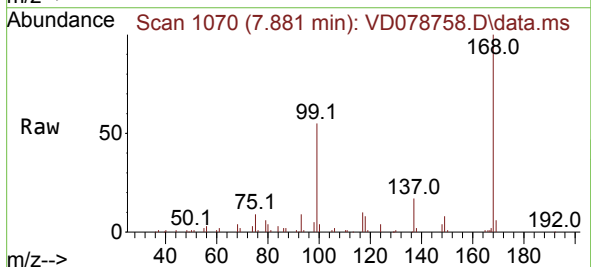
Instrument :
MSVOA_D
ClientSampleId :
EB-02(0-2)

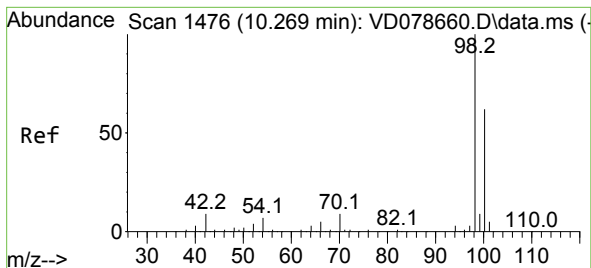
Tgt Ion: 75 Resp: 10923
Ion Ratio Lower Upper
75 100
110 7.5 19.1 57.1#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 5.151 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD078758.D
Acq: 27 Mar 2024 18:01

Tgt Ion: 117 Resp: 13586
Ion Ratio Lower Upper
117 100
119 5.4 79.2 118.8#
121 0.0 26.8 40.2#





#50

Toluene-d8

Concen: 51.466 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078758.D

Acq: 27 Mar 2024 18:01

Instrument :

MSVOA_D

ClientSampleId :

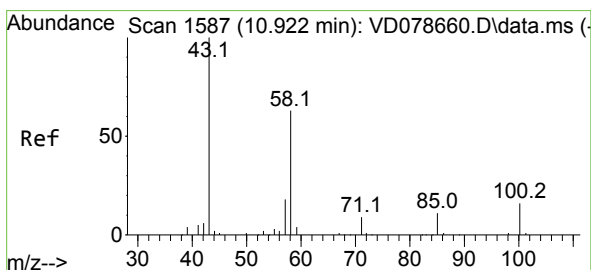
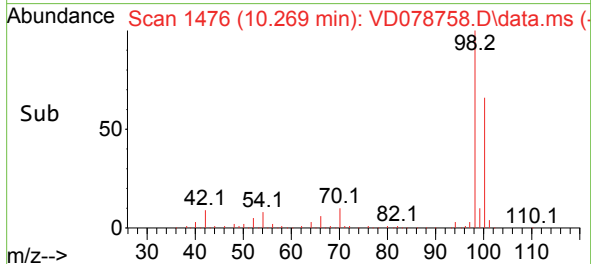
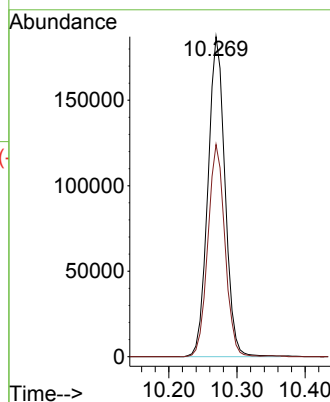
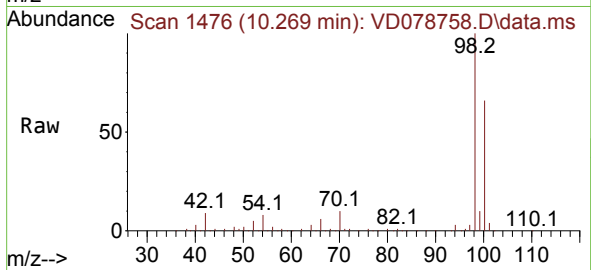
EB-02(0-2)

Tgt Ion: 98 Resp: 326347

Ion Ratio Lower Upper

98 100

100 66.0 50.5 75.7



#59

2-Hexanone

Concen: 1.116 ug/l

RT: 10.928 min Scan# 1588

Delta R.T. 0.006 min

Lab File: VD078758.D

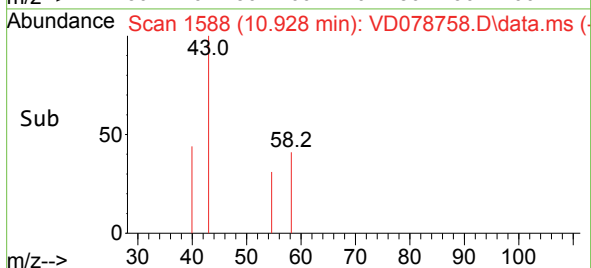
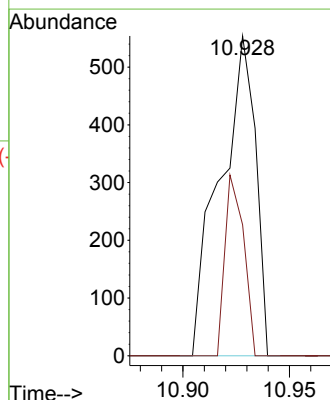
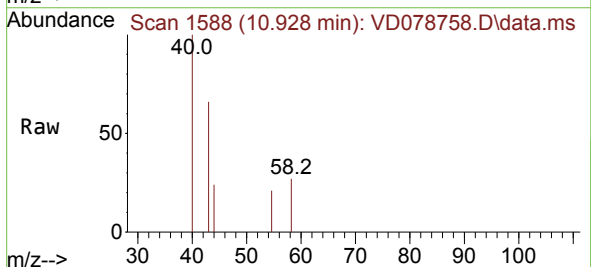
Acq: 27 Mar 2024 18:01

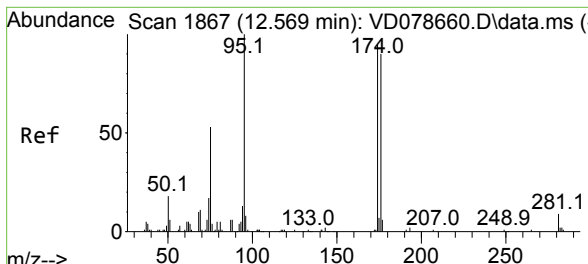
Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

58 29.7 31.5 94.5#

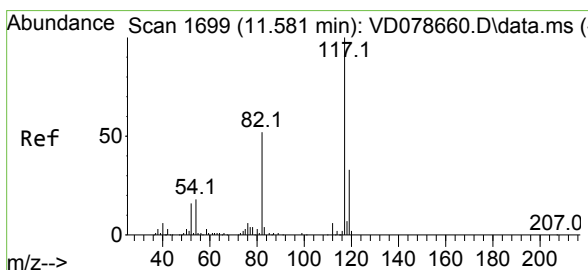
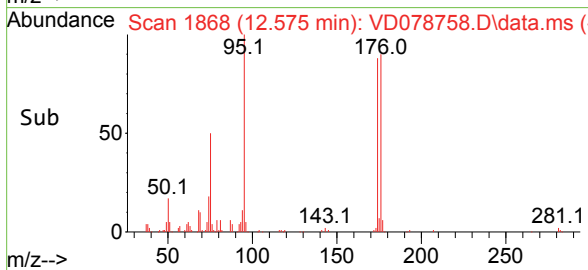
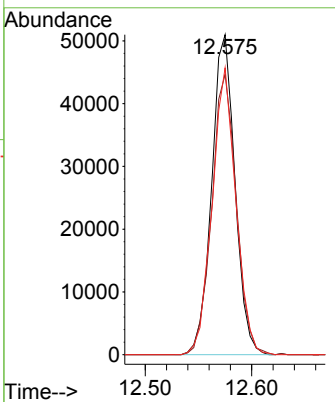
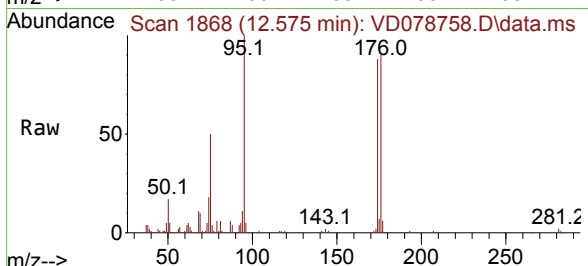




#62
 4-Bromofluorobenzene
 Concen: 41.599 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.006 min
 Lab File: VD078758.D
 Acq: 27 Mar 2024 18:01

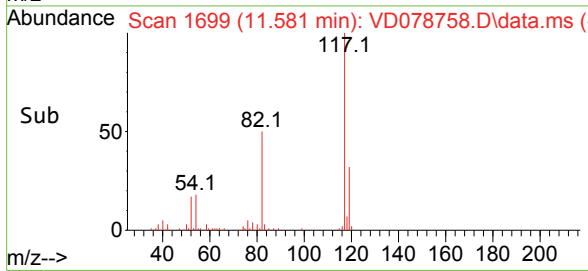
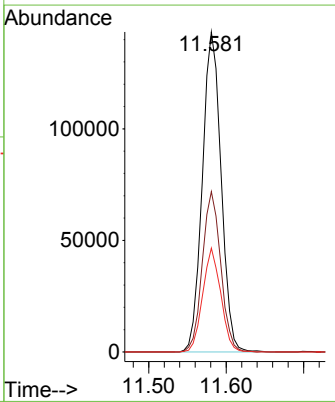
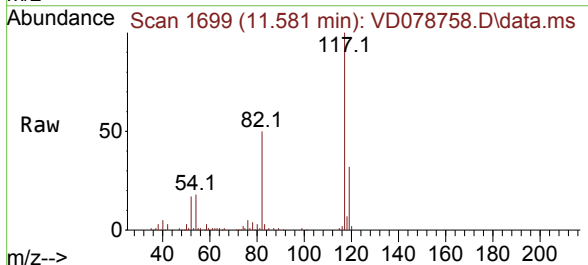
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 MSVOA_D
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 EB-02(0-2)

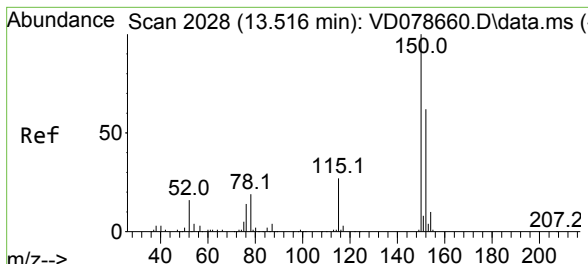
Tgt Ion:	95	Resp:	77171
Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	195.2
176	91.5	0.0	188.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: VD078758.D
 Acq: 27 Mar 2024 18:01

Tgt Ion:	117	Resp:	241859
Ion	Ratio	Lower	Upper
117	100		
82	50.1	41.4	62.2
119	32.4	26.5	39.7

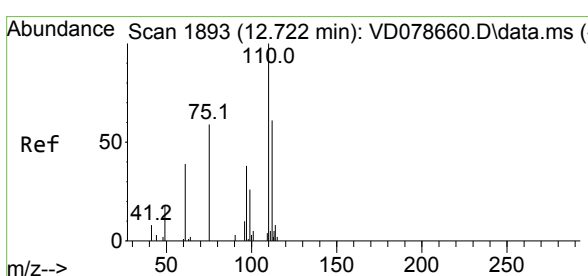
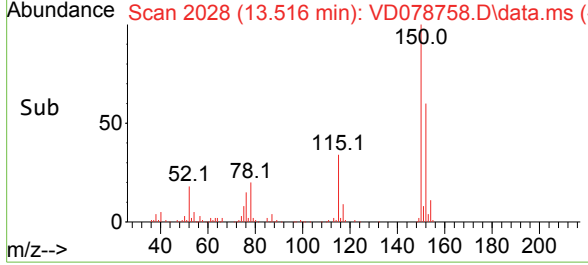
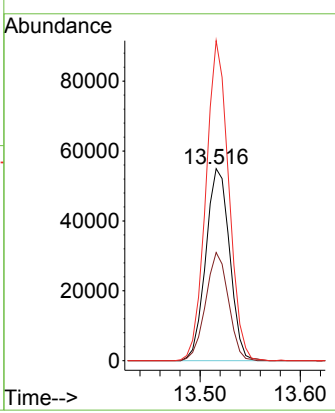
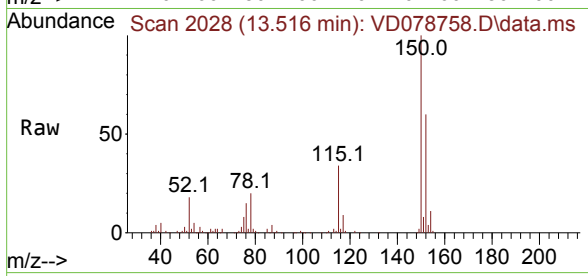




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD078758.D
 Acq: 27 Mar 2024 18:01

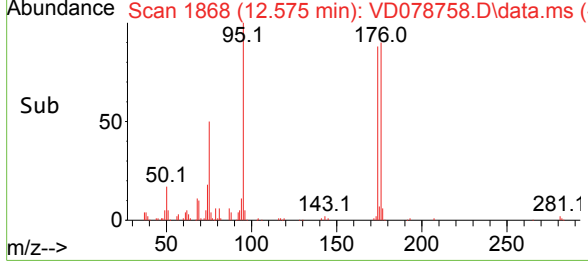
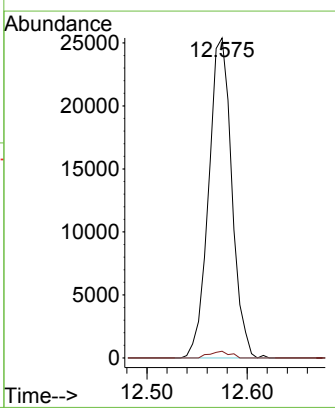
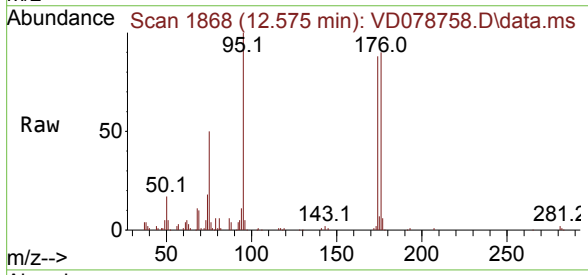
Instrument :
 MSVOA_D
 ClientSampleId :
 EB-02(0-2)

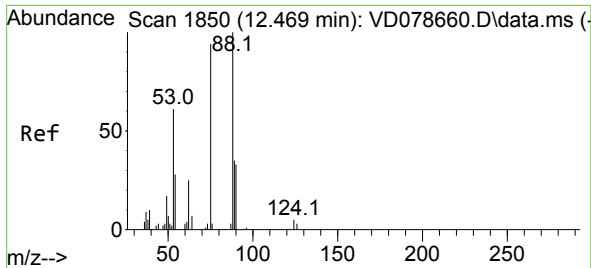
Tgt Ion:	152	Resp:	90682
Ion Ratio	Lower	Upper	
152	100		
115	53.9	27.1	81.2
150	159.5	0.0	350.2



#76
 1,2,3-Trichloropropane
 Concen: 58.202 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078758.D
 Acq: 27 Mar 2024 18:01

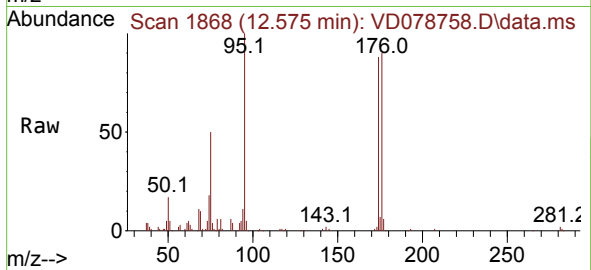
Tgt Ion:	75	Resp:	40663
Ion Ratio	Lower	Upper	
75	100		
77	1.8	0.0	0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.001 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD078758.D
Acq: 27 Mar 2024 18:01

Instrument :
MSVOA_D
ClientSampleId :
EB-02(0-2)



Tgt Ion:	75	Resp:	40663
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.0	91.6#
89	0.0	35.4	53.0#

