

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079480.D
 Acq On : 31 Jul 2024 03:46
 Operator : RP/MD
 Sample : P3374-03
 Misc : 7.94G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-864-K2-SO-13.5-14-072024

Quant Time: Jul 31 04:38:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

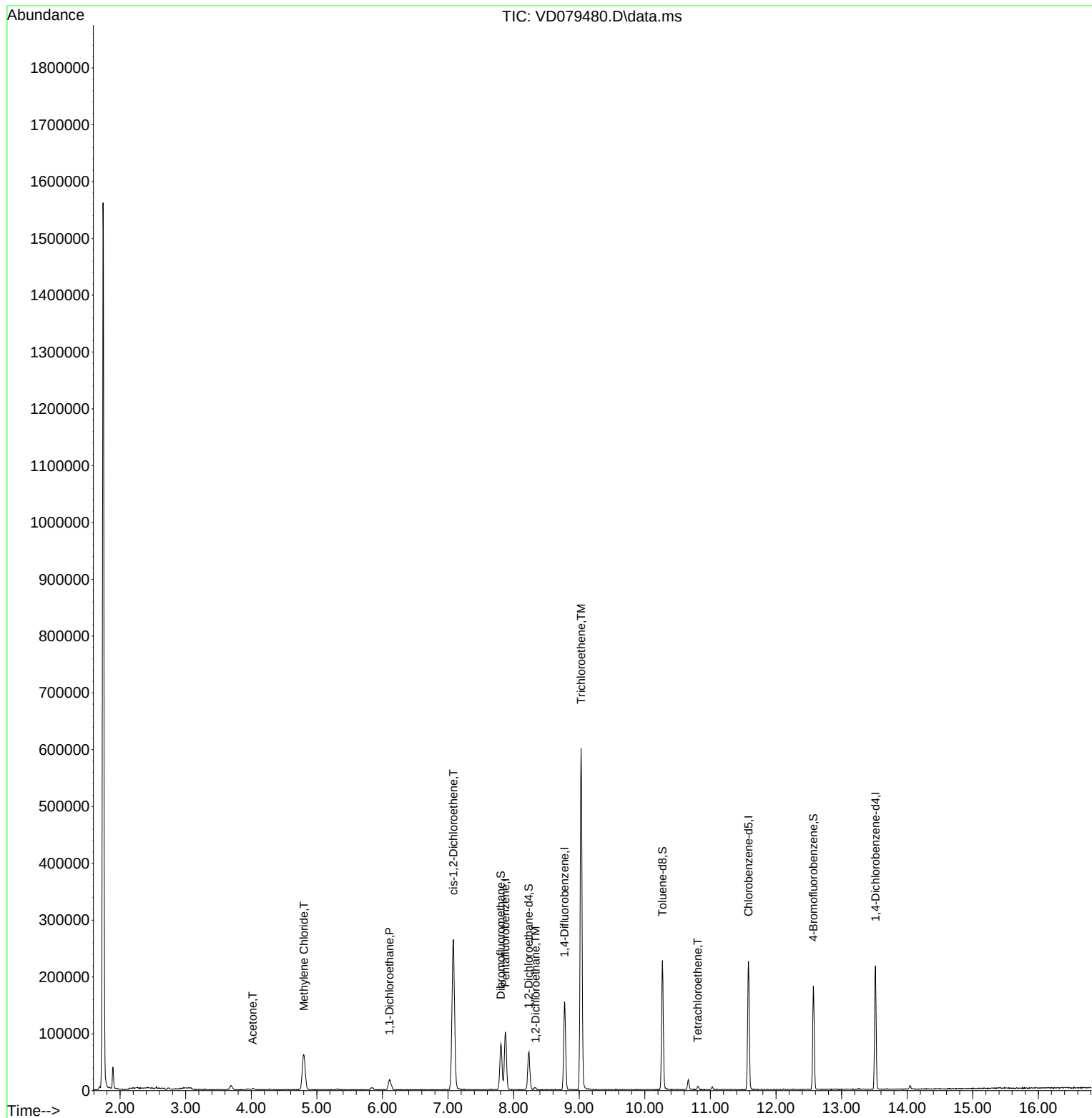
Internal Standards						
1) Pentafluorobenzene	7.875	168	83829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	143909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	141070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52942	62.166	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.340%	
35) Dibromofluoromethane	7.805	113	58654	60.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.440%	
50) Toluene-d8	10.269	98	161430	42.677	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 85.360%	
62) 4-Bromofluorobenzene	12.569	95	50628	46.253	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.500%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	3840	23.202	ug/l #	78
20) Methylene Chloride	4.805	84	52692	40.957	ug/l	98
24) 1,1-Dichloroethane	6.105	63	25016	14.027	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	178826	153.756	ug/l	97
42) 1,2-Dichloroethane	8.334	62	3526	3.504	ug/l #	67
44) Trichloroethene	9.028	130	230153	218.953	ug/l	99
64) Tetrachloroethene	10.804	164	1449	1.523	ug/l #	81

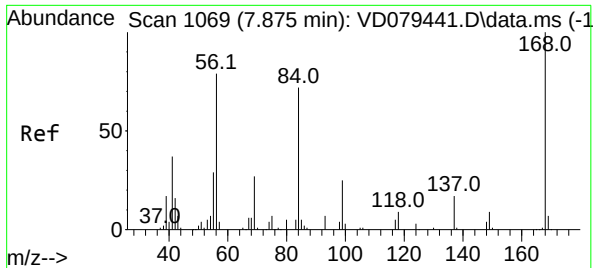
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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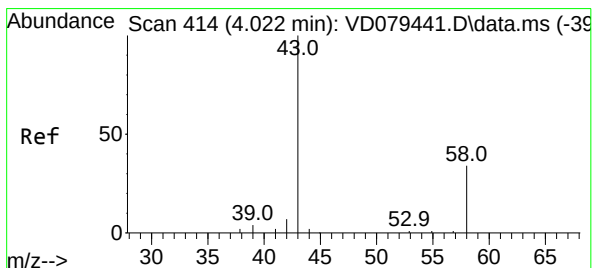
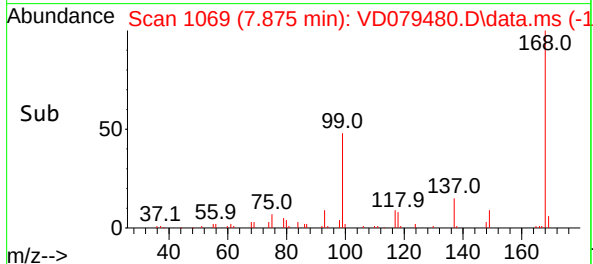
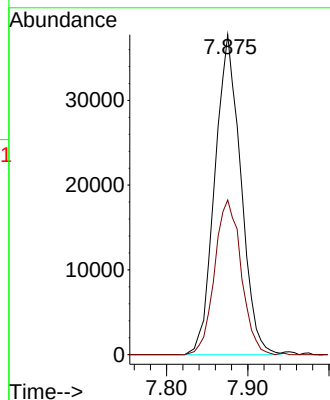
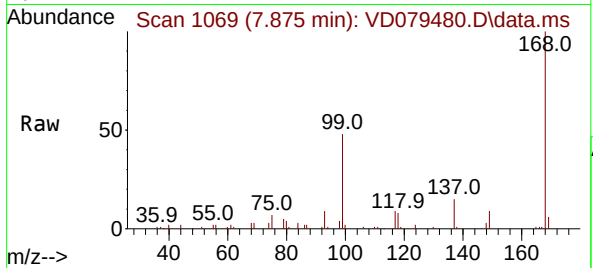




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079480.D
Acq: 31 Jul 2024 03:46

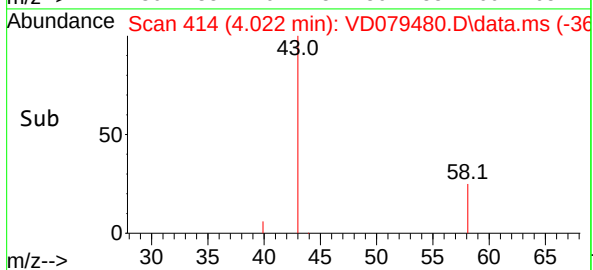
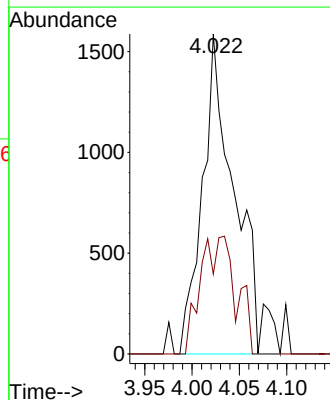
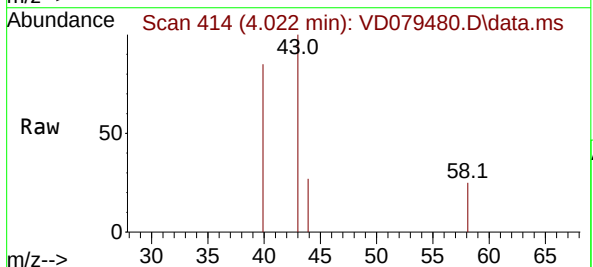
Instrument :
MSVOA_D
ClientSampleId :
S-864-K2-SO-13.5-14-072024

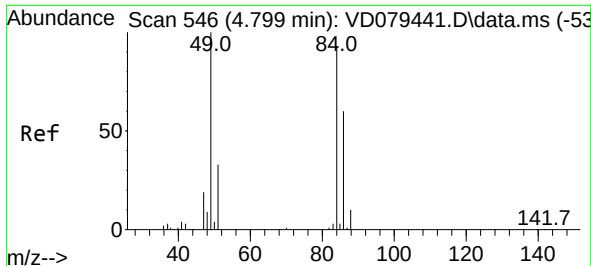
Tgt Ion:168 Resp: 83829
Ion Ratio Lower Upper
168 100
99 48.3 41.1 61.7



#16
Acetone
Concen: 23.202 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD079480.D
Acq: 31 Jul 2024 03:46

Tgt Ion: 43 Resp: 3840
Ion Ratio Lower Upper
43 100
58 25.0 30.4 45.6#

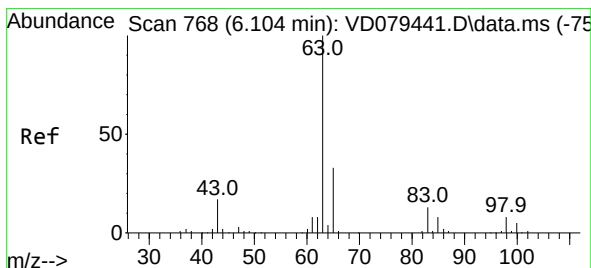
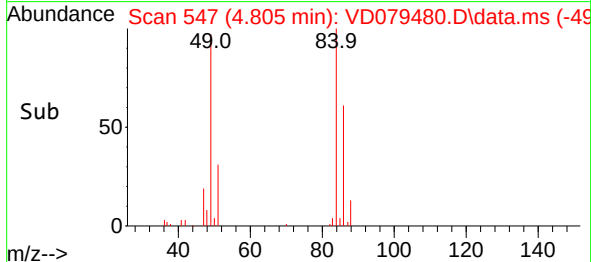
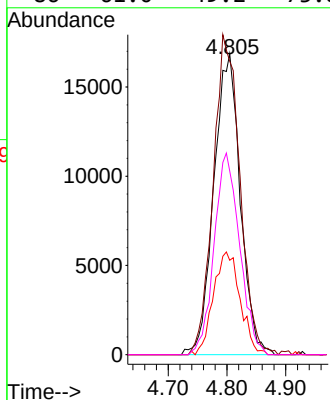
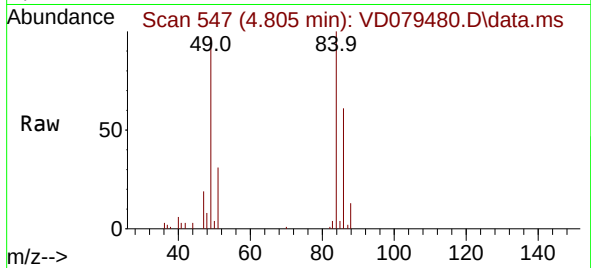




#20
Methylene Chloride
Concen: 40.957 ug/l
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD079480.D
Acq: 31 Jul 2024 03:46

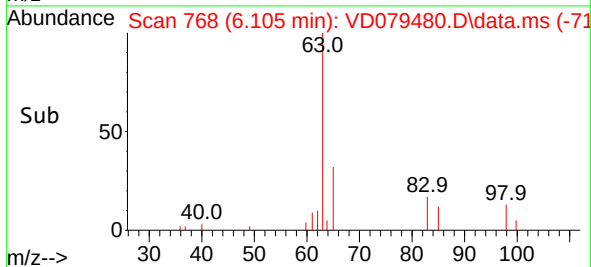
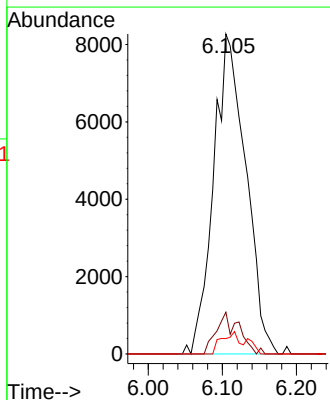
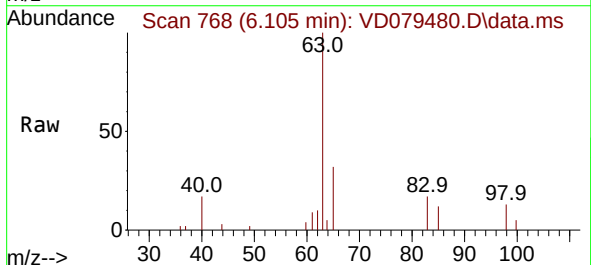
Instrument :
MSVOA_D
ClientSampleId :
S-864-K2-SO-13.5-14-072024

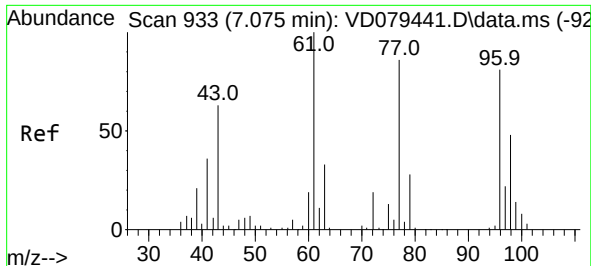
Tgt Ion:	84	Resp:	52692
Ion	Ratio	Lower	Upper
84	100		
49	97.5	75.6	113.4
51	31.4	24.2	36.2
86	61.0	49.2	73.8



#24
1,1-Dichloroethane
Concen: 14.027 ug/l
RT: 6.105 min Scan# 768
Delta R.T. 0.000 min
Lab File: VD079480.D
Acq: 31 Jul 2024 03:46

Tgt Ion:	63	Resp:	25016
Ion	Ratio	Lower	Upper
63	100		
98	13.0	4.7	14.0
100	4.8	2.9	8.6





#27

cis-1,2-Dichloroethene

Concen: 153.756 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD079480.D

Acq: 31 Jul 2024 03:46

Instrument :

MSVOA_D

ClientSampleId :

S-864-K2-SO-13.5-14-072024

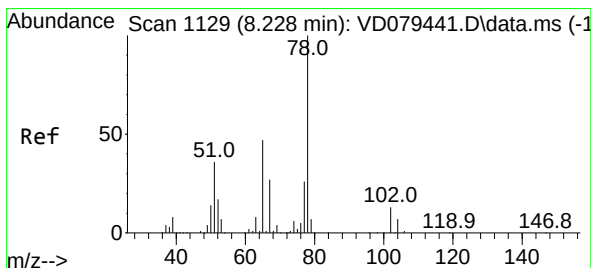
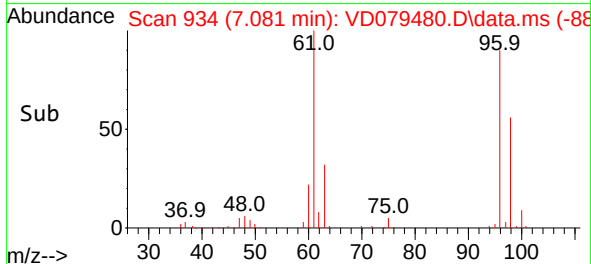
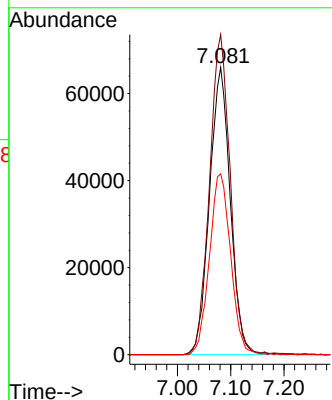
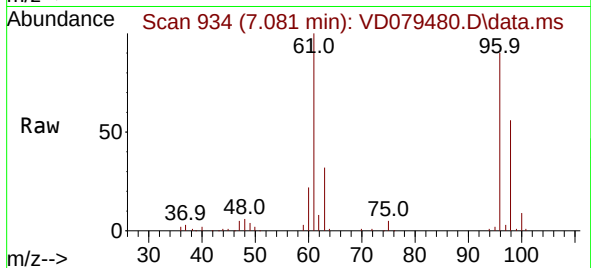
Tgt Ion: 96 Resp: 178826

Ion Ratio Lower Upper

96 100

61 110.7 0.0 229.0

98 64.2 0.0 127.2



#33

1,2-Dichloroethane-d4

Concen: 62.166 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079480.D

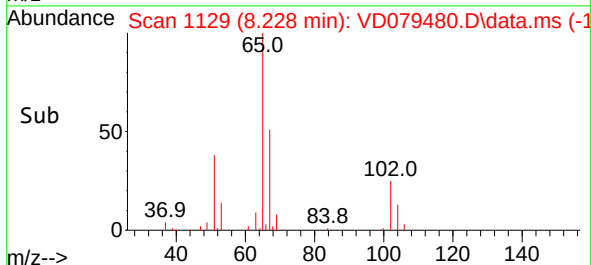
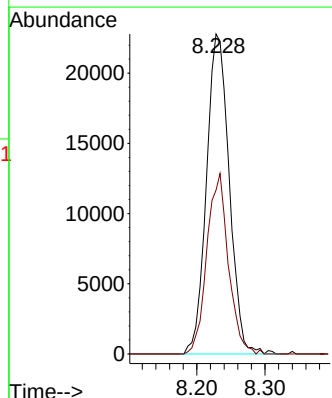
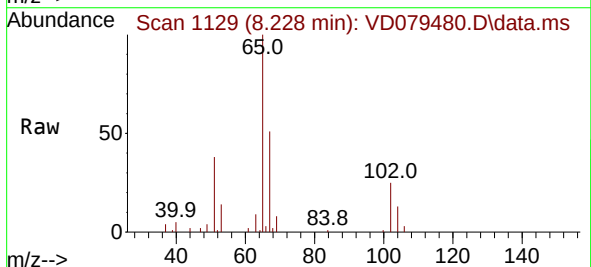
Acq: 31 Jul 2024 03:46

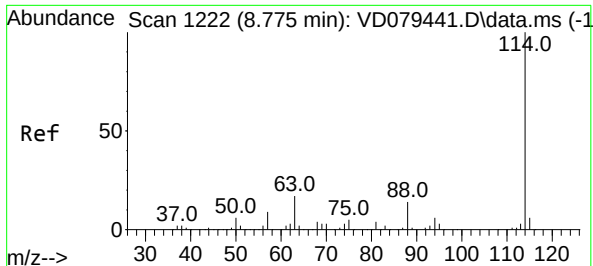
Tgt Ion: 65 Resp: 52942

Ion Ratio Lower Upper

65 100

67 53.3 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079480.D

Acq: 31 Jul 2024 03:46

Instrument :

MSVOA_D

ClientSampleId :

S-864-K2-SO-13.5-14-072024

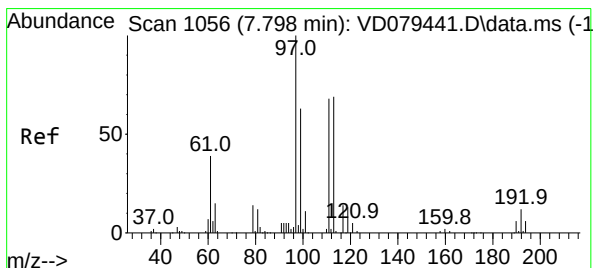
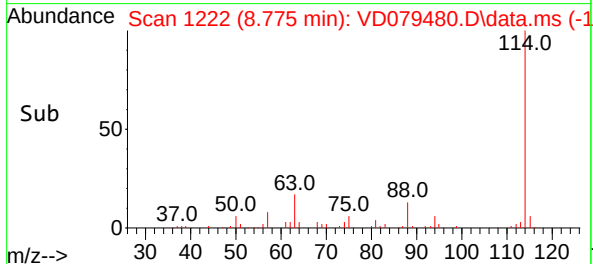
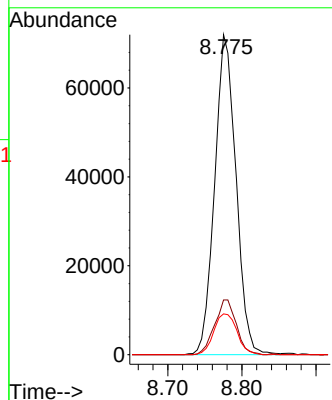
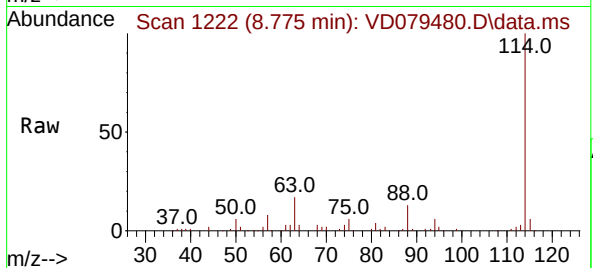
Tgt Ion:114 Resp: 143909

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.0

88 12.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 60.217 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079480.D

Acq: 31 Jul 2024 03:46

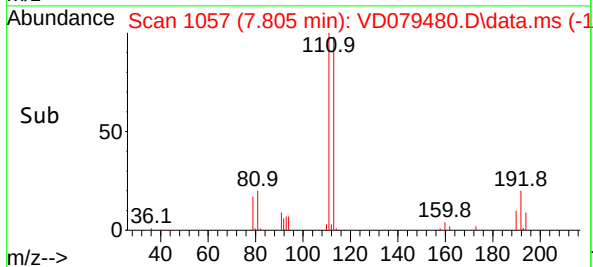
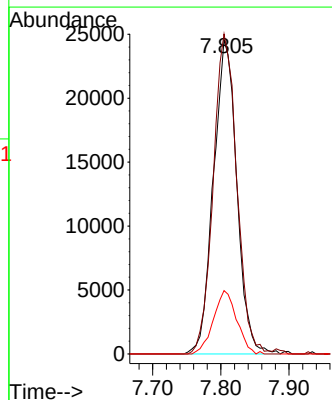
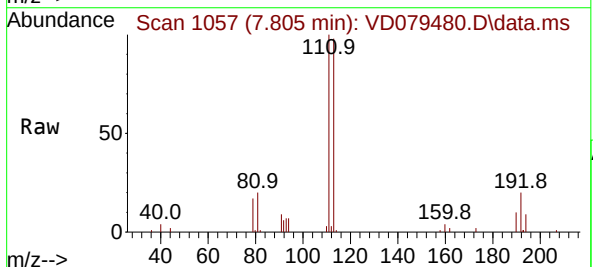
Tgt Ion:113 Resp: 58654

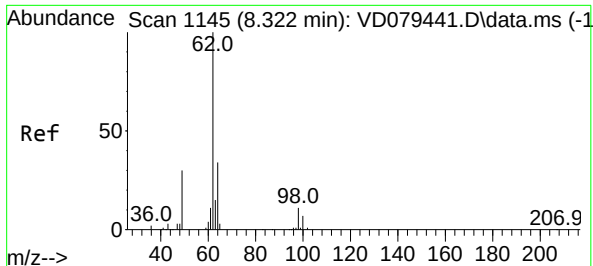
Ion Ratio Lower Upper

113 100

111 102.6 84.0 126.0

192 20.1 15.4 23.0

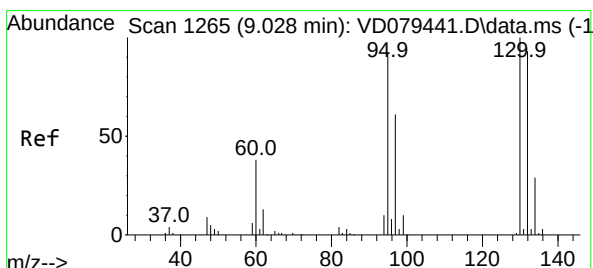
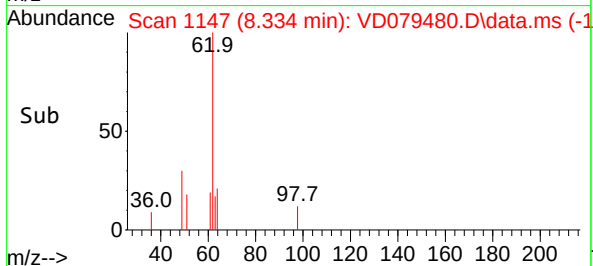
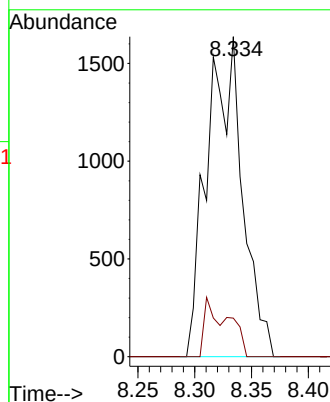
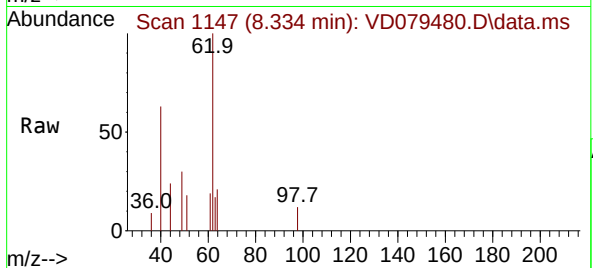




#42
1,2-Dichloroethane
Concen: 3.504 ug/l
RT: 8.334 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VD079480.D
Acq: 31 Jul 2024 03:46

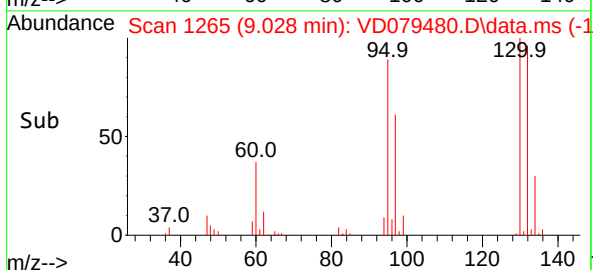
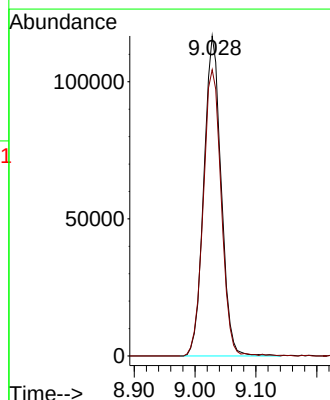
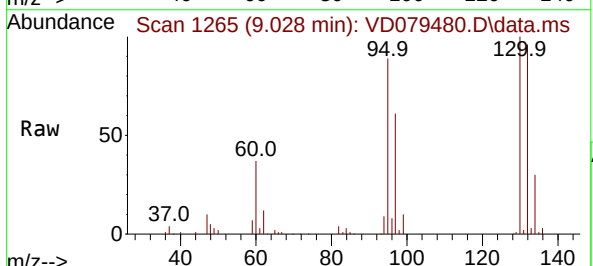
Instrument :
MSVOA_D
ClientSampleId :
S-864-K2-SO-13.5-14-072024

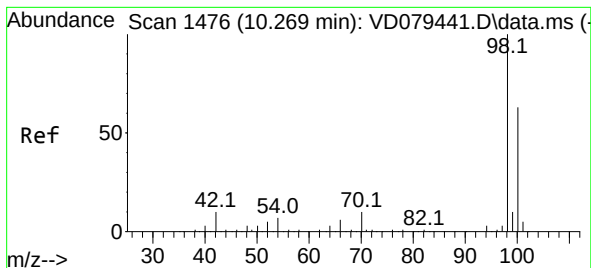
Tgt Ion: 62 Resp: 3526
Ion Ratio Lower Upper
62 100
98 0.0 0.0 25.8



#44
Trichloroethene
Concen: 218.953 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD079480.D
Acq: 31 Jul 2024 03:46

Tgt Ion: 130 Resp: 230153
Ion Ratio Lower Upper
130 100
95 89.5 0.0 177.8

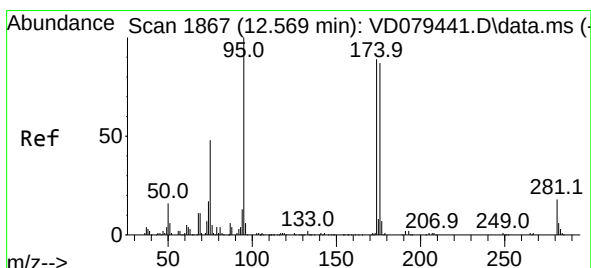
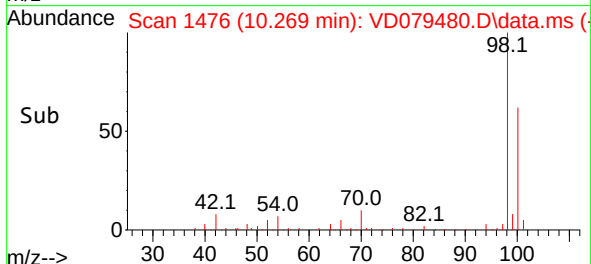
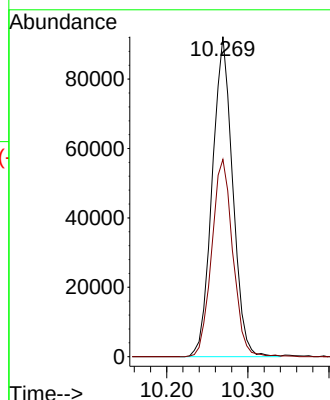
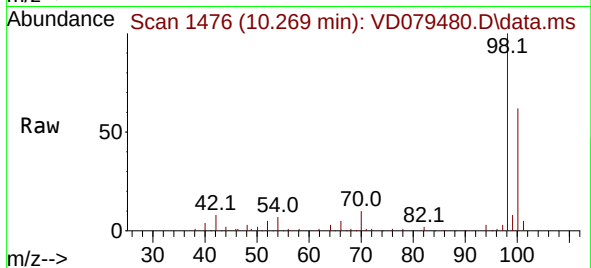




#50
Toluene-d8
Concen: 42.677 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079480.D
Acq: 31 Jul 2024 03:46

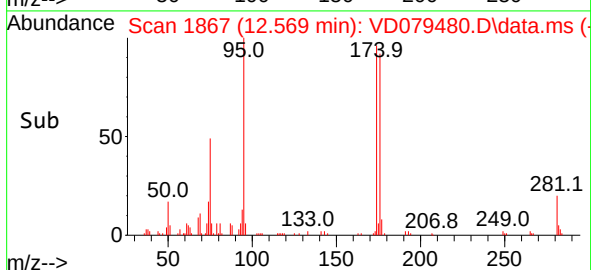
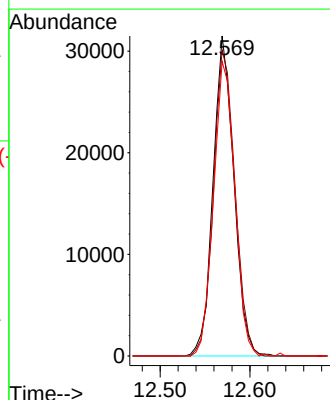
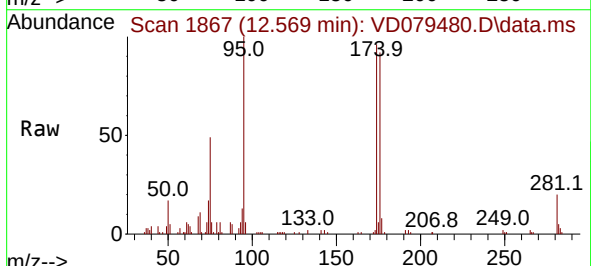
Instrument :
MSVOA_D
ClientSampleId :
S-864-K2-SO-13.5-14-072024

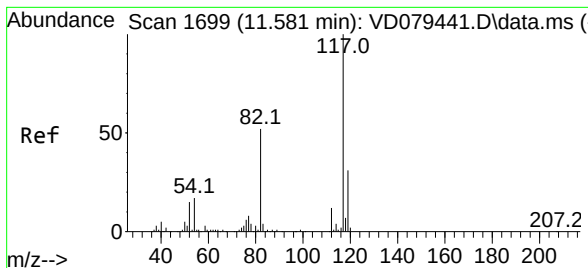
Tgt Ion: 98 Resp: 161430
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.253 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079480.D
Acq: 31 Jul 2024 03:46

Tgt Ion: 95 Resp: 50628
Ion Ratio Lower Upper
95 100
174 98.9 0.0 195.4
176 94.3 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079480.D

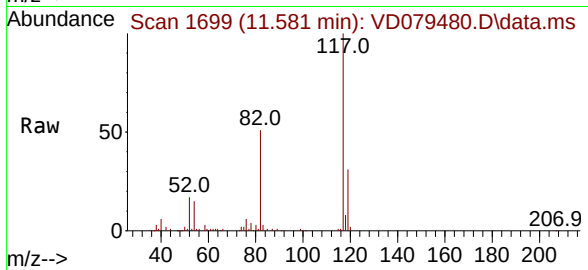
Acq: 31 Jul 2024 03:46

Instrument :

MSVOA_D

ClientSampleId :

S-864-K2-SO-13.5-14-072024



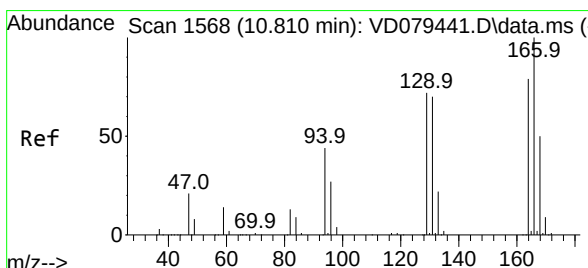
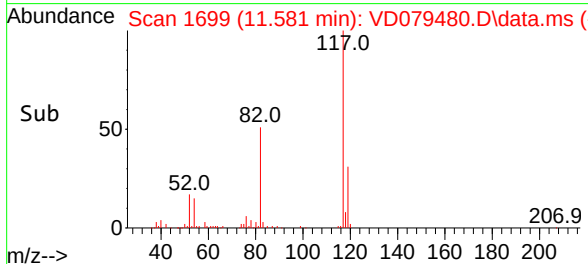
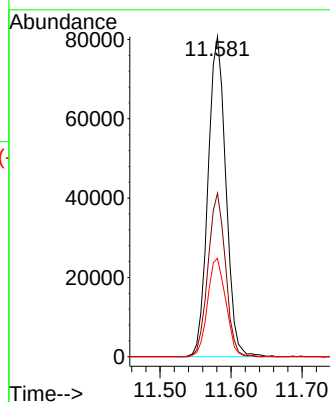
Tgt Ion:117 Resp: 141070

Ion Ratio Lower Upper

117 100

82 51.1 39.8 59.6

119 30.7 25.7 38.5



#64

Tetrachloroethene

Concen: 1.523 ug/l

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD079480.D

Acq: 31 Jul 2024 03:46

Tgt Ion:164 Resp: 1449

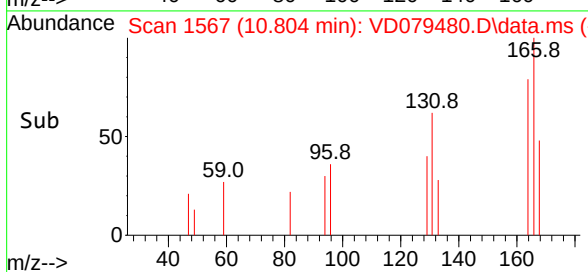
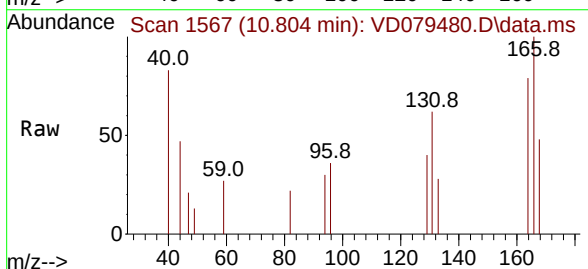
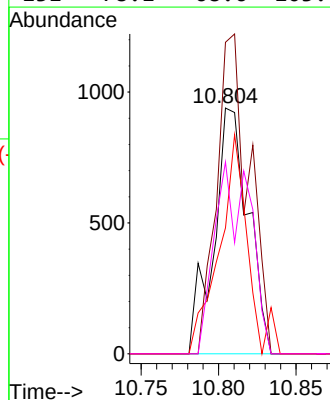
Ion Ratio Lower Upper

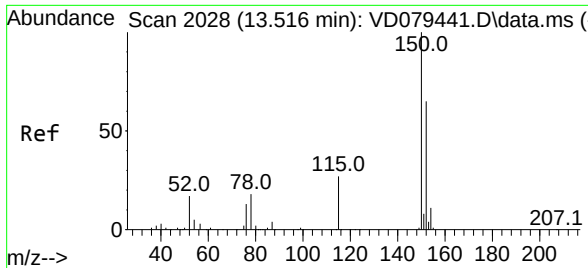
164 100

166 126.7 108.6 163.0

129 51.2 74.6 112.0#

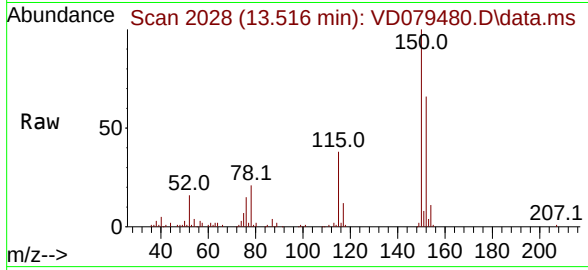
131 78.1 68.6 103.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD079480.D
 Acq: 31 Jul 2024 03:46

Instrument :
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 S-864-K2-SO-13.5-14-072024



Tgt Ion:	152	Resp:	64030
Ion Ratio	Lower	Upper	
152	100		
115	55.0	26.5	79.5
150	154.3	0.0	341.6

