

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079478.D
 Acq On : 31 Jul 2024 02:51
 Operator : RP/MD
 Sample : P3374-01
 Misc : 8.46G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-864-K2-SO-12-12.5-072024

Quant Time: Jul 31 04:37:36 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)

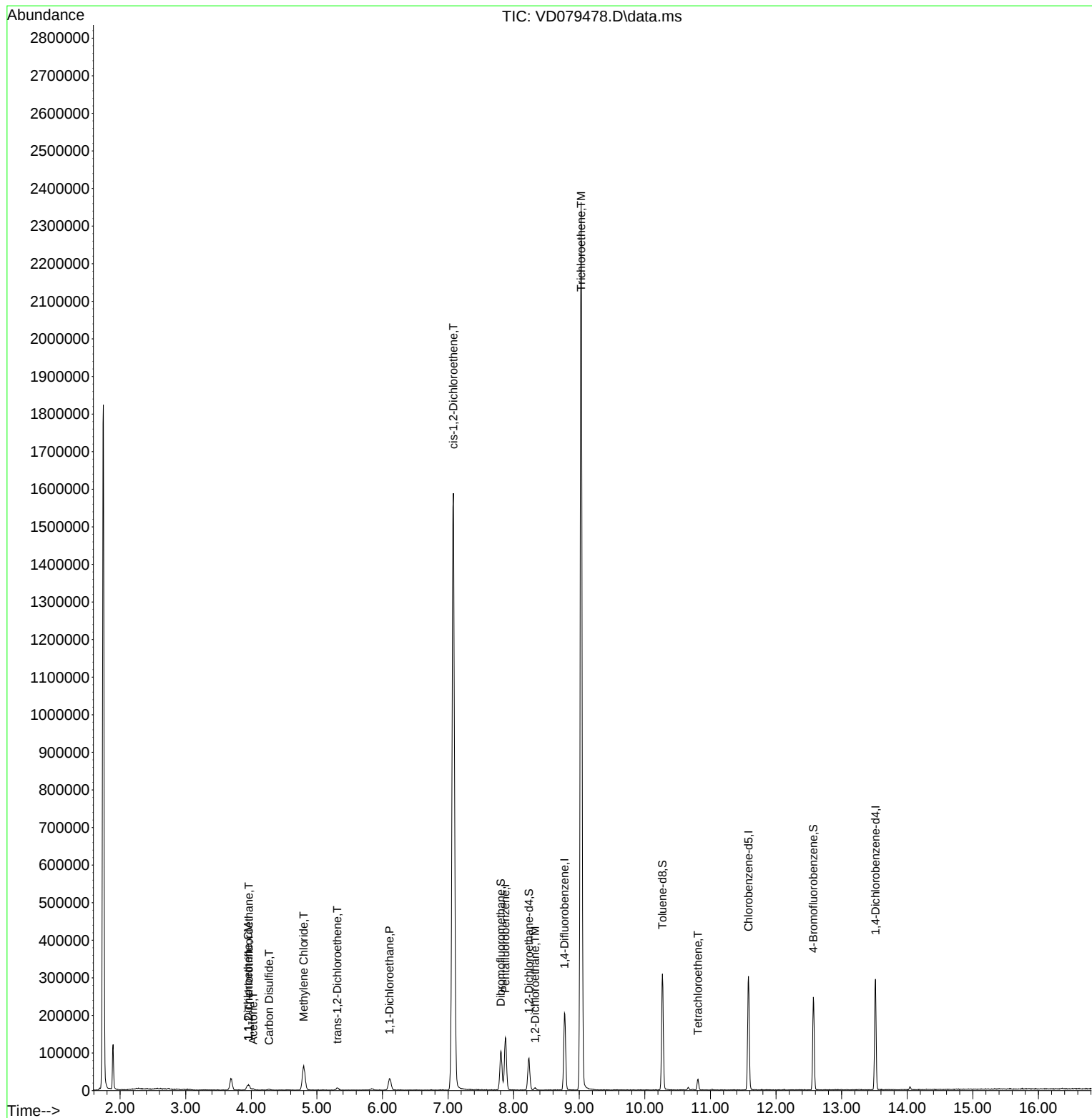
Internal Standards						
1) Pentafluorobenzene	7.875	168	113886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	194688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	188092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	64005	55.321	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.640%	
35) Dibromofluoromethane	7.804	113	75672	57.426	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.860%	
50) Toluene-d8	10.269	98	224676	43.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.820%	
62) 4-Bromofluorobenzene	12.569	95	66362	44.814	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.620%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	3.963	101	6814	5.542	ug/l #	71
12) 1,1-Dichloroethene	3.952	96	3961	3.219	ug/l #	58
16) Acetone	4.028	43	5628	25.030	ug/l #	85
17) Carbon Disulfide	4.269	76	4920	1.211	ug/l #	95
20) Methylene Chloride	4.799	84	50494	22.929	ug/l	90
21) trans-1,2-Dichloroethene	5.310	96	3972	2.873	ug/l #	78
24) 1,1-Dichloroethane	6.104	63	45719	18.870	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	1059566	670.584	ug/l	99
42) 1,2-Dichloroethane	8.328	62	5363	3.940	ug/l	92
44) Trichloroethene	9.028	130	888640	624.899	ug/l	97
64) Tetrachloroethene	10.810	164	7429	5.857	ug/l	90

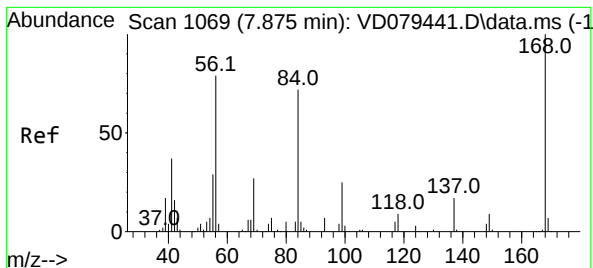
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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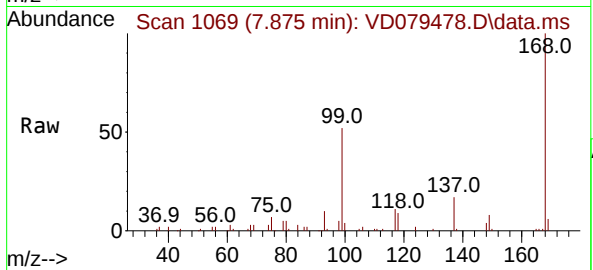
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
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Response via : Initial Calibration



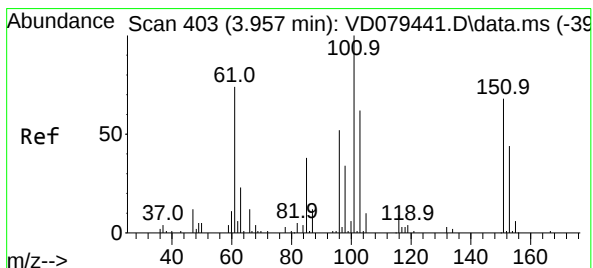
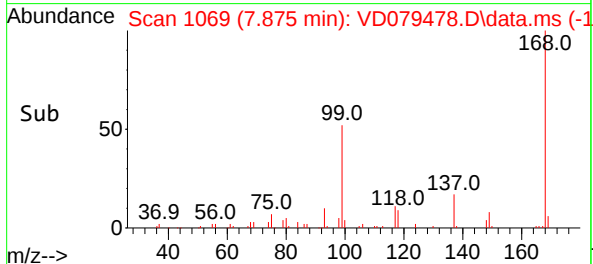
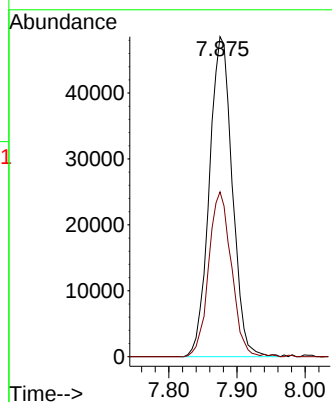


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079478.D
Acq: 31 Jul 2024 02:51

Instrument :
MSVOA_D
ClientSampleId :
S-864-K2-SO-12-12.5-072024

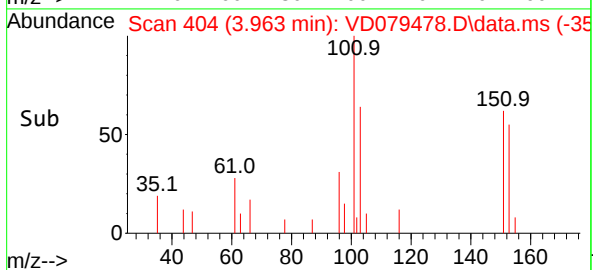
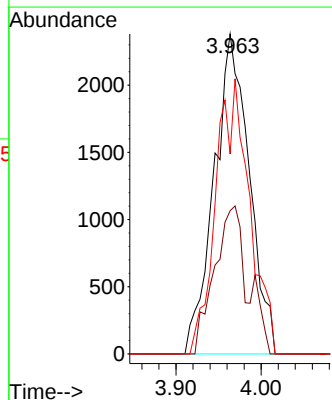
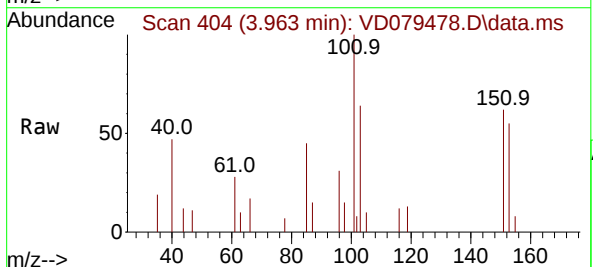


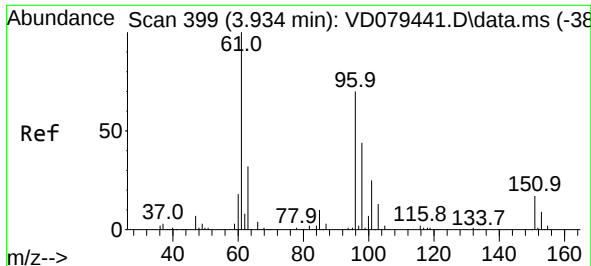
Tgt Ion:168 Resp: 113886
Ion Ratio Lower Upper
168 100
99 51.5 41.1 61.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.542 ug/l
RT: 3.963 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD079478.D
Acq: 31 Jul 2024 02:51

Tgt Ion:101 Resp: 6814
Ion Ratio Lower Upper
101 100
85 38.0 33.5 50.3
151 39.9 60.3 90.5#





#12

1,1-Dichloroethene

Concen: 3.219 ug/l

RT: 3.952 min Scan# 402

Delta R.T. 0.023 min

Lab File: VD079478.D

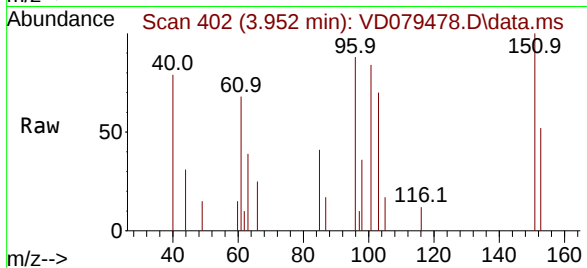
Acq: 31 Jul 2024 02:51

Instrument :

MSVOA_D

ClientSampleId :

S-864-K2-SO-12-12.5-072024



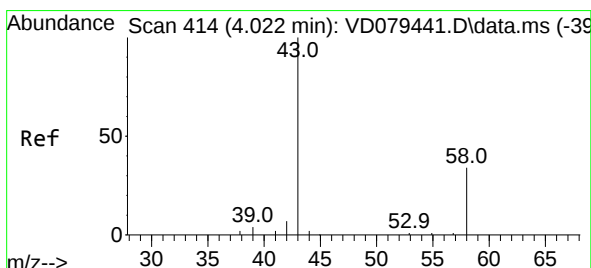
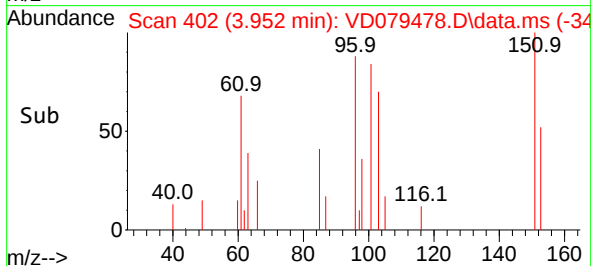
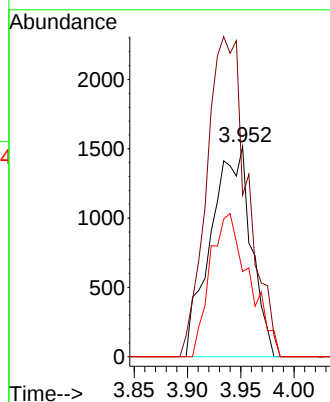
Tgt Ion: 96 Resp: 3961

Ion Ratio Lower Upper

96 100

61 77.0 107.3 160.9#

98 40.5 51.7 77.5#



#16

Acetone

Concen: 25.030 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD079478.D

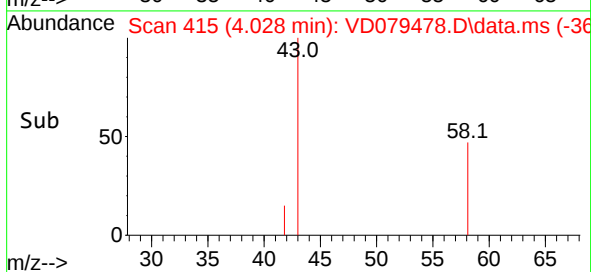
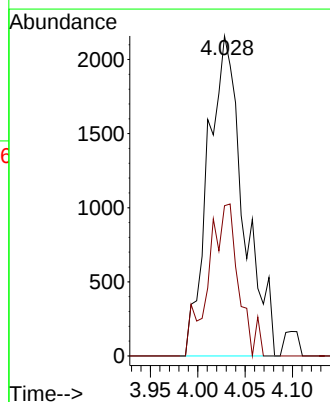
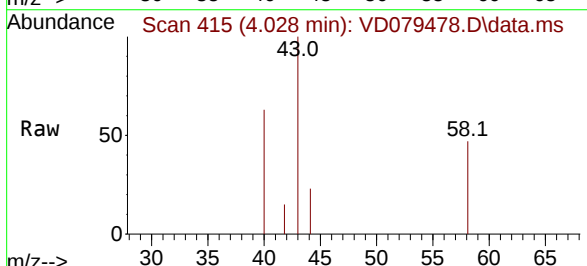
Acq: 31 Jul 2024 02:51

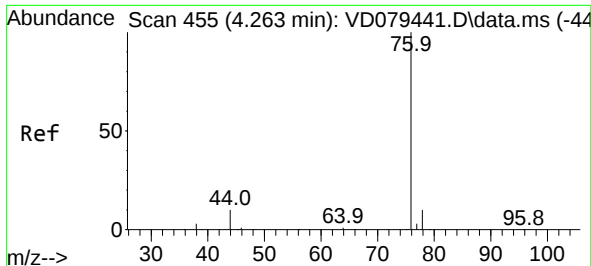
Tgt Ion: 43 Resp: 5628

Ion Ratio Lower Upper

43 100

58 47.0 30.4 45.6#





#17

Carbon Disulfide

Concen: 1.211 ug/l

RT: 4.269 min Scan# 455

Delta R.T. 0.006 min

Lab File: VD079478.D

Acq: 31 Jul 2024 02:51

Instrument :

MSVOA_D

ClientSampleId :

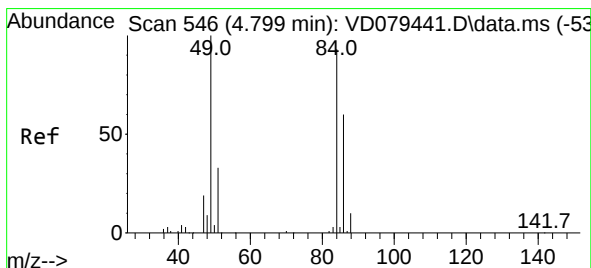
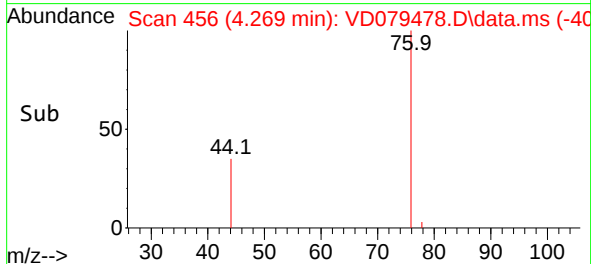
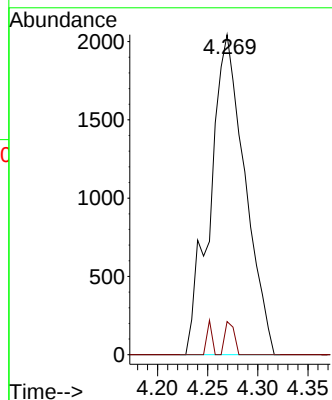
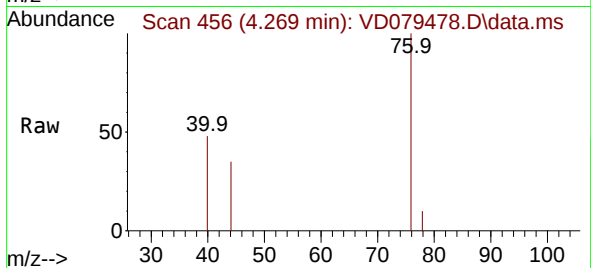
S-864-K2-SO-12-12.5-072024

Tgt Ion: 76 Resp: 4920

Ion Ratio Lower Upper

76 100

78 10.4 6.9 10.3#



#20

Methylene Chloride

Concen: 22.929 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD079478.D

Acq: 31 Jul 2024 02:51

Tgt Ion: 84 Resp: 50494

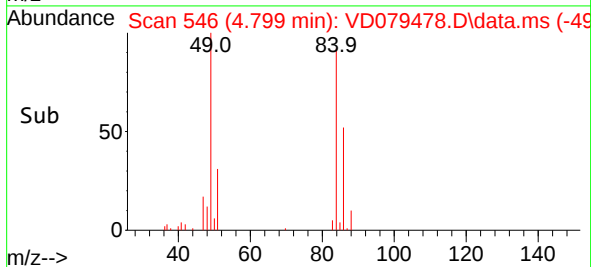
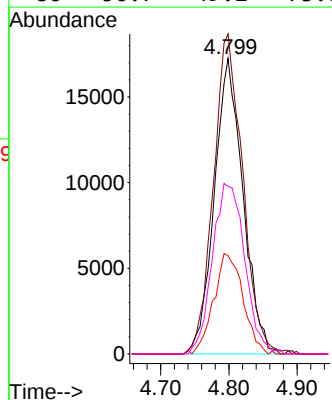
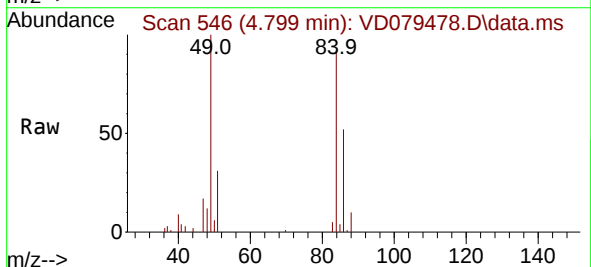
Ion Ratio Lower Upper

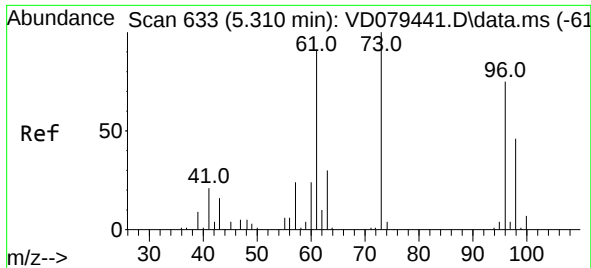
84 100

49 108.3 75.6 113.4

51 33.3 24.2 36.2

86 56.7 49.2 73.8

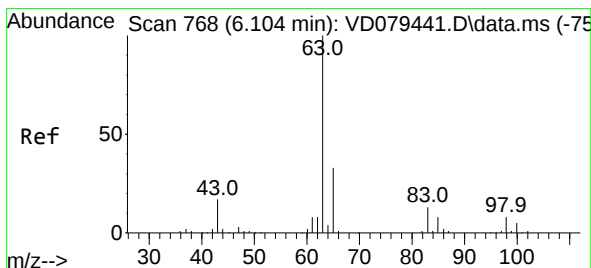
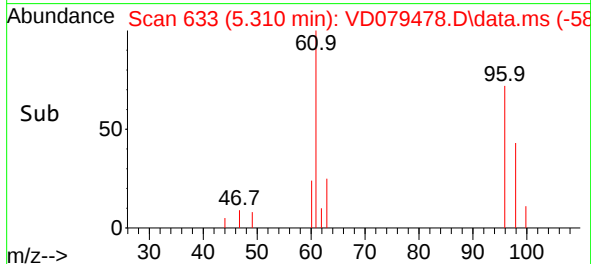
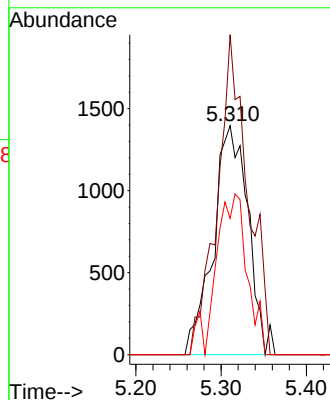
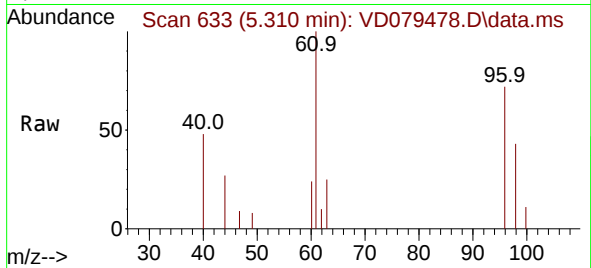




#21
trans-1,2-Dichloroethene
Concen: 2.873 ug/l
RT: 5.310 min Scan# 611
Delta R.T. -0.000 min
Lab File: VD079478.D
Acq: 31 Jul 2024 02:51

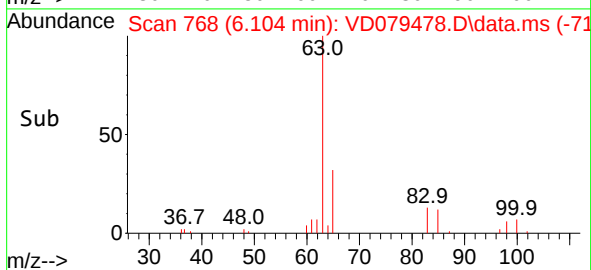
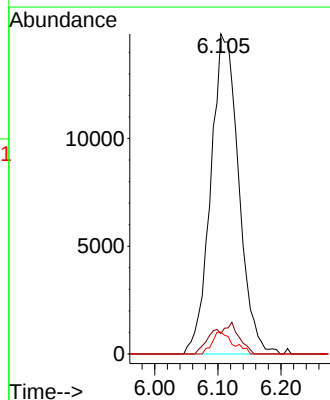
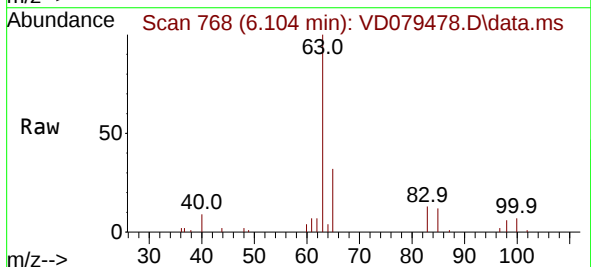
Instrument : MSVOA_D
ClientSampleId : S-864-K2-SO-12-12.5-072024

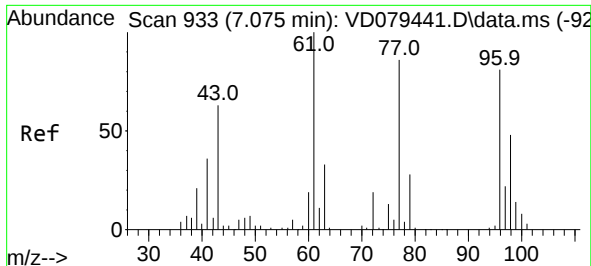
Tgt Ion: 96 Resp: 3972
Ion Ratio Lower Upper
96 100
61 139.8 84.5 126.7#
98 59.5 50.5 75.7



#24
1,1-Dichloroethane
Concen: 18.870 ug/l
RT: 6.104 min Scan# 768
Delta R.T. -0.000 min
Lab File: VD079478.D
Acq: 31 Jul 2024 02:51

Tgt Ion: 63 Resp: 45719
Ion Ratio Lower Upper
63 100
98 6.4 4.7 14.0
100 6.8 2.9 8.6



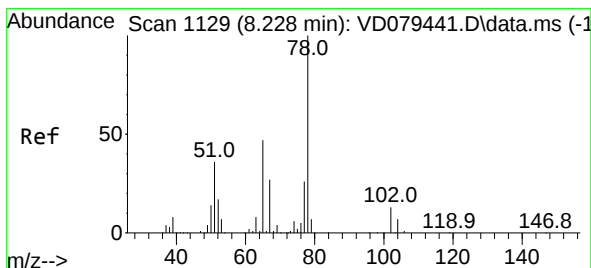
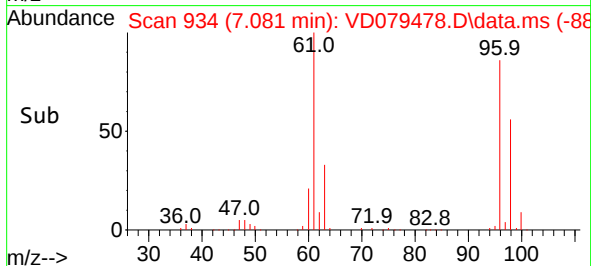
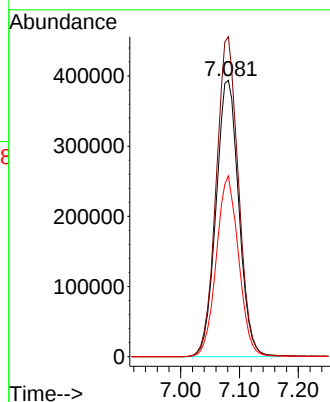
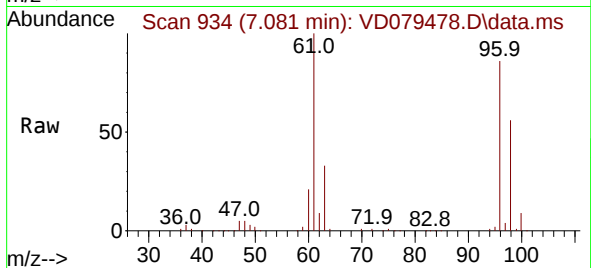


#27
 cis-1,2-Dichloroethene
 Concen: 670.584 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD079478.D
 Acq: 31 Jul 2024 02:51

Instrument :
 MSVOA_D
 ClientSampleId :
 S-864-K2-SO-12-12.5-072024

Tgt Ion: 96 Resp: 1059566

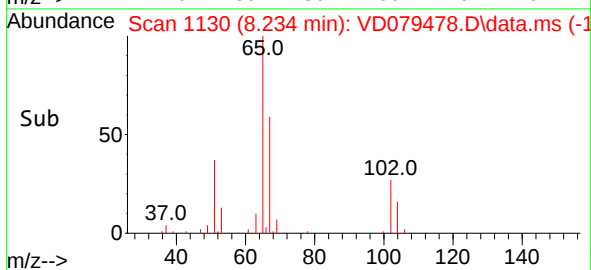
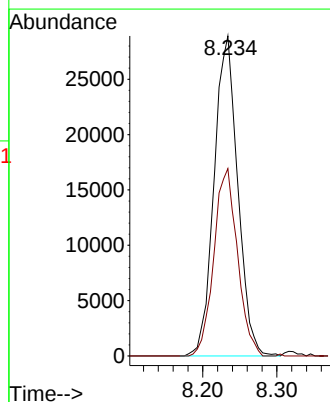
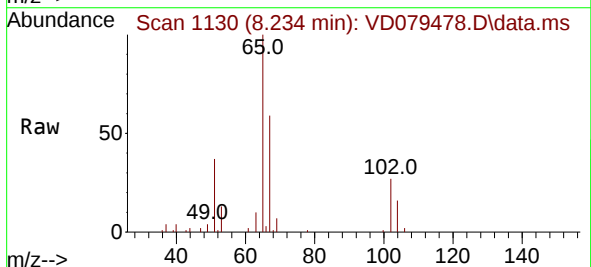
Ion	Ratio	Lower	Upper
96	100		
61	113.2	0.0	229.0
98	64.3	0.0	127.2

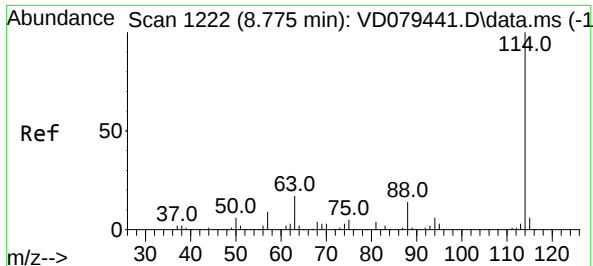


#33
 1,2-Dichloroethane-d4
 Concen: 55.321 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.006 min
 Lab File: VD079478.D
 Acq: 31 Jul 2024 02:51

Tgt Ion: 65 Resp: 64005

Ion	Ratio	Lower	Upper
65	100		
67	58.5	0.0	111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079478.D

Acq: 31 Jul 2024 02:51

Instrument :

MSVOA_D

ClientSampleId :

S-864-K2-SO-12-12.5-072024

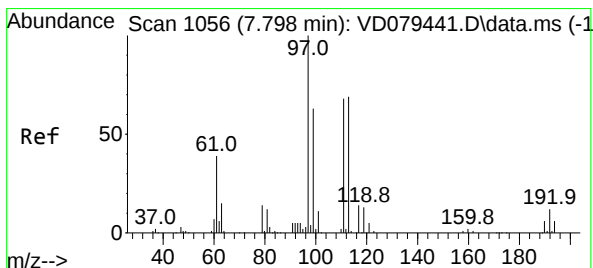
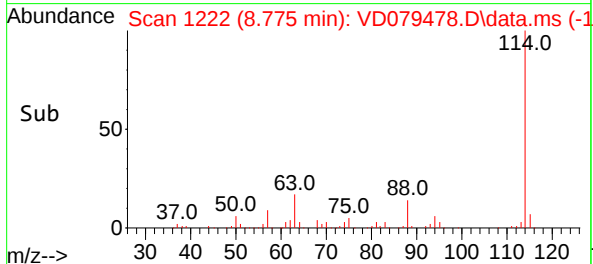
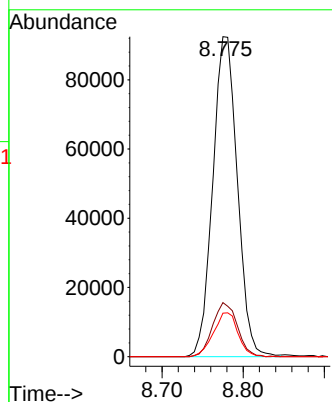
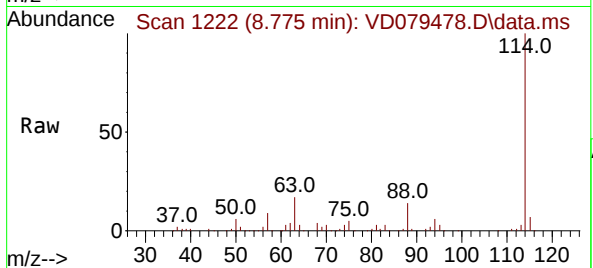
Tgt Ion:114 Resp: 194688

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.0

88 13.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.426 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079478.D

Acq: 31 Jul 2024 02:51

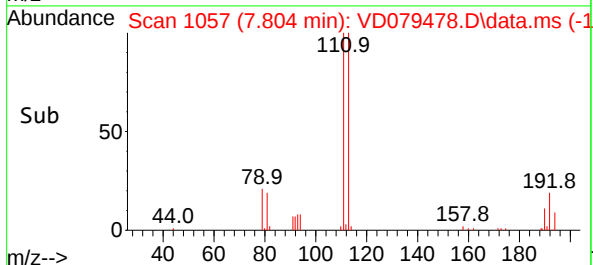
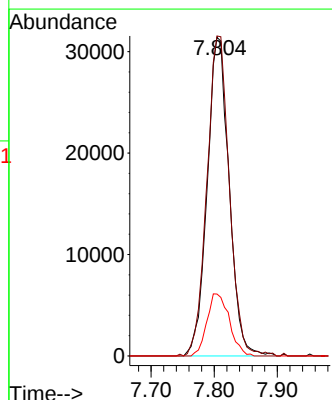
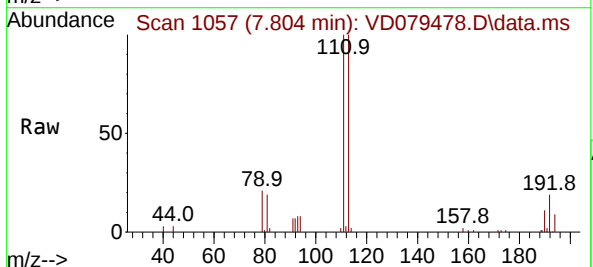
Tgt Ion:113 Resp: 75672

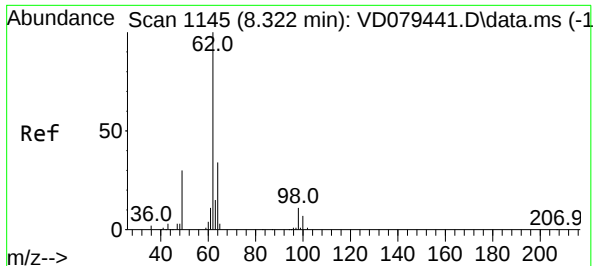
Ion Ratio Lower Upper

113 100

111 102.7 84.0 126.0

192 19.9 15.4 23.0





#42

1,2-Dichloroethane

Concen: 3.940 ug/l

RT: 8.328 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VD079478.D

Acq: 31 Jul 2024 02:51

Instrument :

MSVOA_D

ClientSampleId :

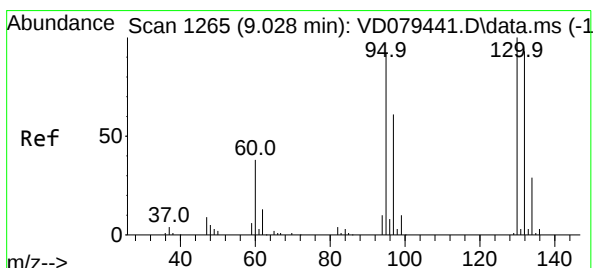
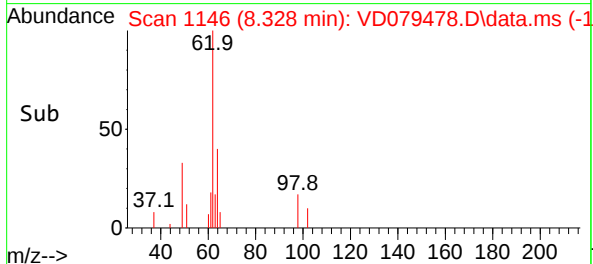
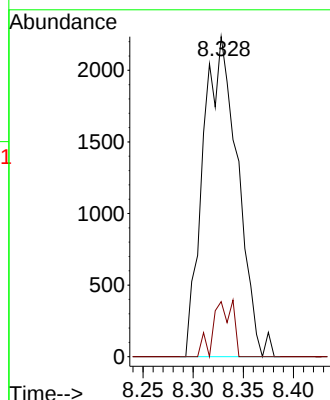
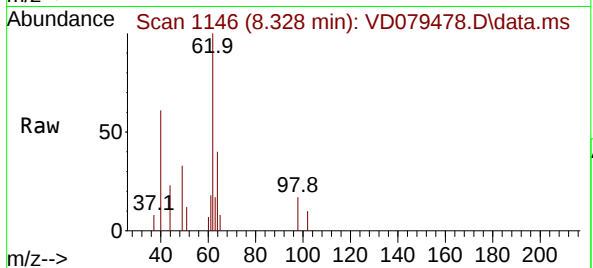
S-864-K2-SO-12-12.5-072024

Tgt Ion: 62 Resp: 5363

Ion Ratio Lower Upper

62 100

98 9.9 0.0 25.8



#44

Trichloroethene

Concen: 624.899 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD079478.D

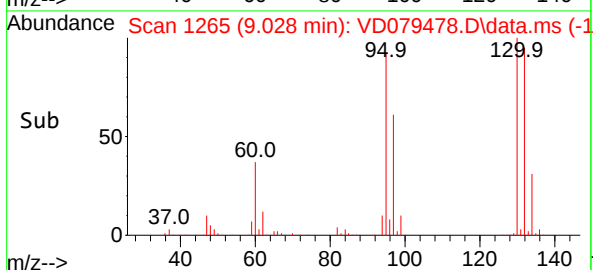
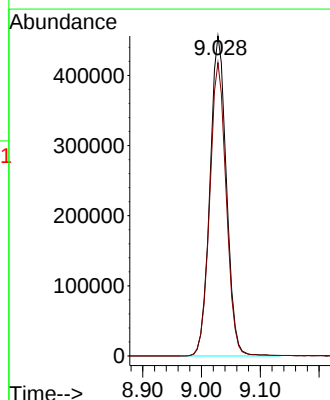
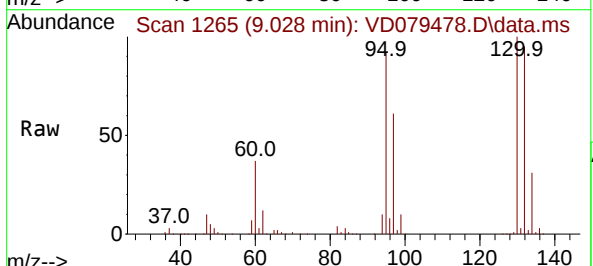
Acq: 31 Jul 2024 02:51

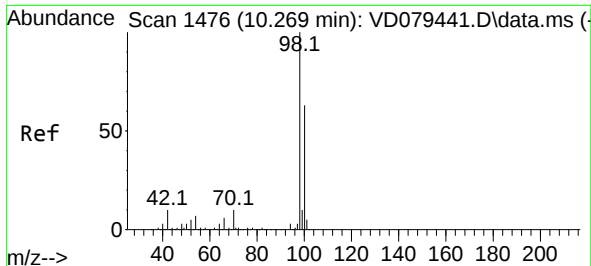
Tgt Ion:130 Resp: 888640

Ion Ratio Lower Upper

130 100

95 91.6 0.0 177.8

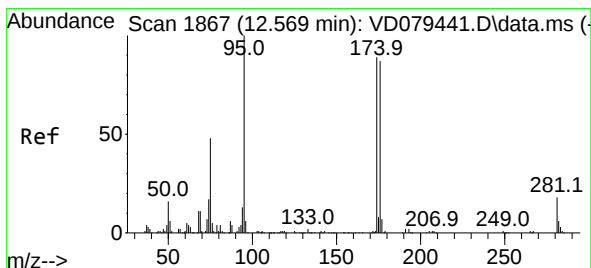
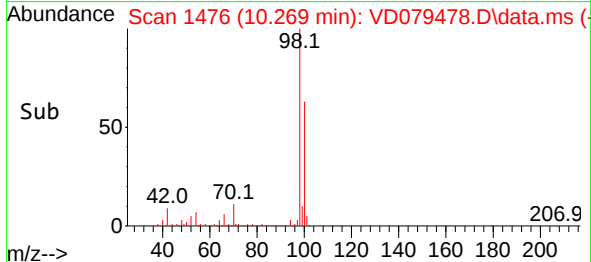
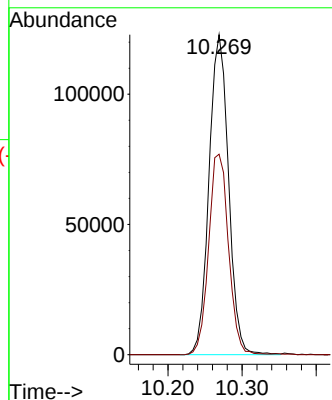
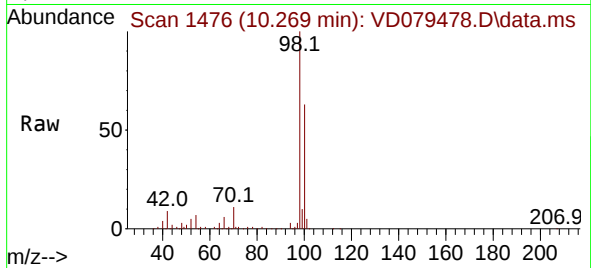




#50
Toluene-d8
Concen: 43.906 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079478.D
Acq: 31 Jul 2024 02:51

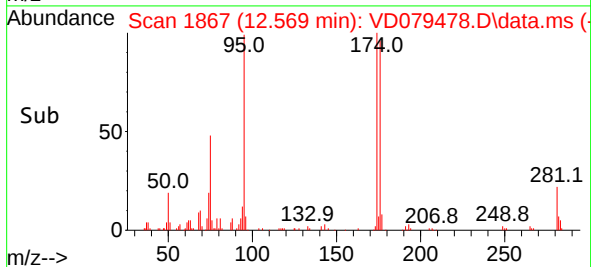
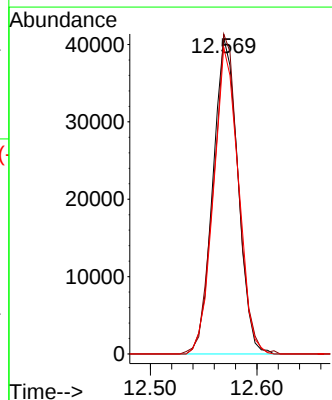
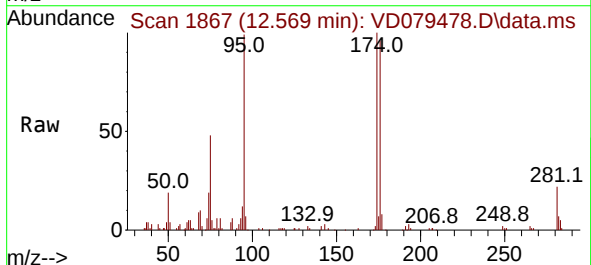
Instrument :
MSVOA_D
ClientSampleId :
S-864-K2-SO-12-12.5-072024

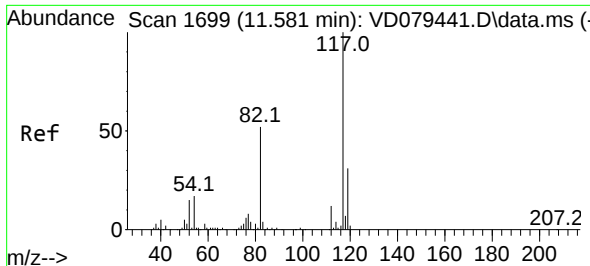
Tgt Ion: 98 Resp: 224676
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 44.814 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079478.D
Acq: 31 Jul 2024 02:51

Tgt Ion: 95 Resp: 66362
Ion Ratio Lower Upper
95 100
174 100.5 0.0 195.4
176 96.7 0.0 192.6

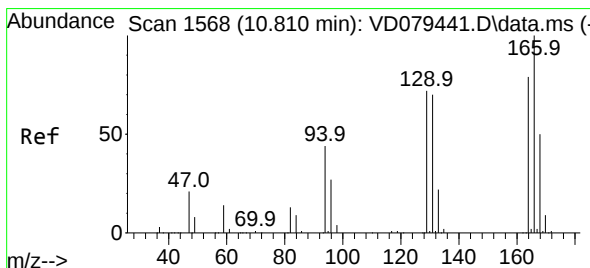
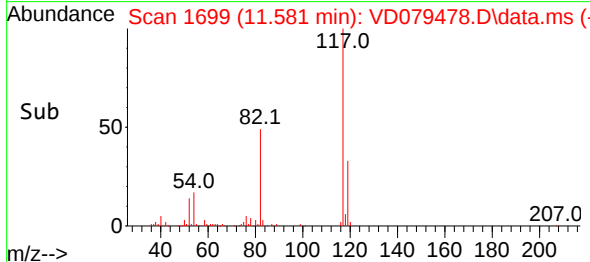
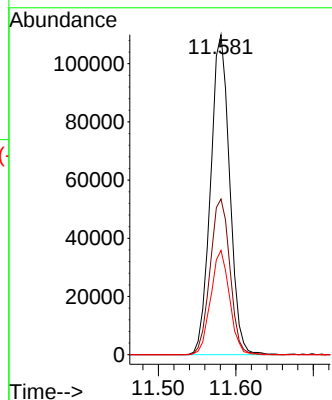
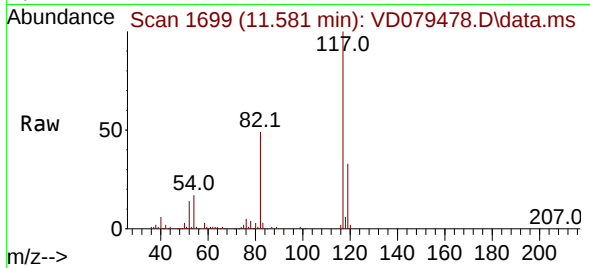




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD079478.D
Acq: 31 Jul 2024 02:51

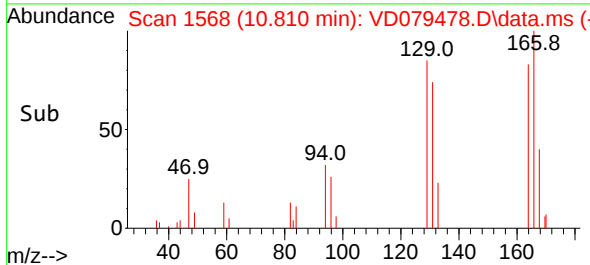
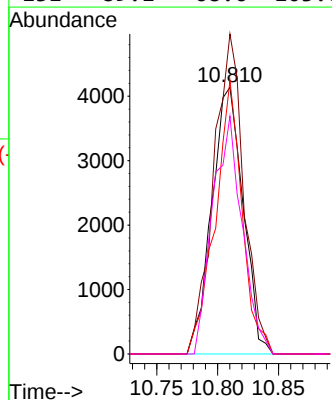
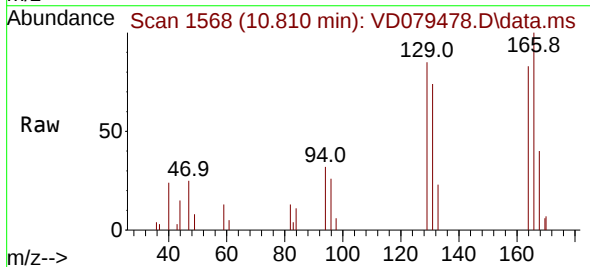
Instrument :
MSVOA_D
ClientSampleId :
S-864-K2-SO-12-12.5-072024

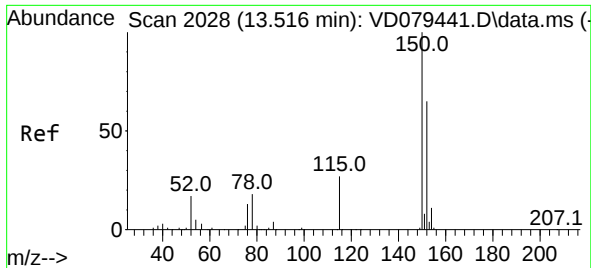
Tgt Ion:117 Resp: 188092
Ion Ratio Lower Upper
117 100
82 48.7 39.8 59.6
119 32.6 25.7 38.5



#64
Tetrachloroethene
Concen: 5.857 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD079478.D
Acq: 31 Jul 2024 02:51

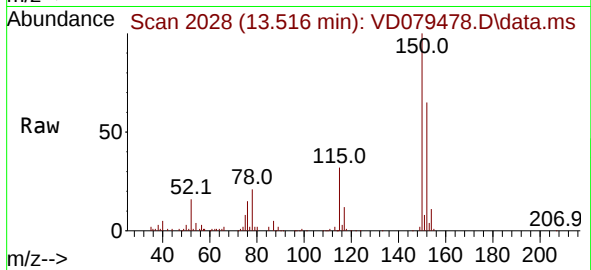
Tgt Ion:164 Resp: 7429
Ion Ratio Lower Upper
164 100
166 120.0 108.6 163.0
129 102.4 74.6 112.0
131 89.1 68.6 103.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD079478.D
 Acq: 31 Jul 2024 02:51

Instrument :
 MSVOA_D
 ClientSampleId :
 S-864-K2-SO-12-12.5-072024



Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.8	26.5	79.5
150	159.4	0.0	341.6

