

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079481.D
 Acq On : 31 Jul 2024 04:13
 Operator : RP/MD
 Sample : P3374-04
 Misc : 8.23G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-861-K2-SO-12-12.5-072024

Quant Time: Jul 31 04:39:10 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)

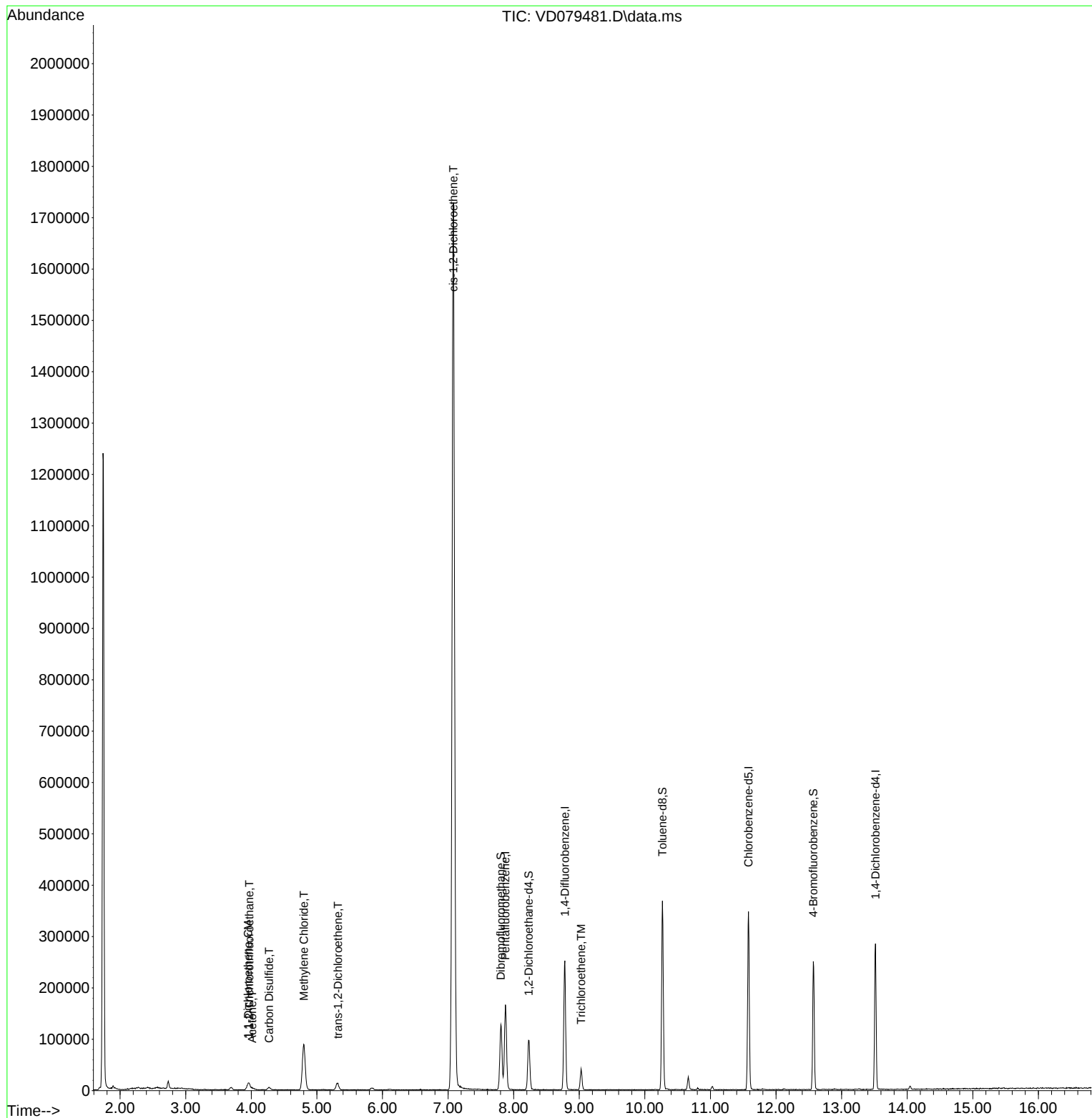
Internal Standards						
1) Pentafluorobenzene	7.875	168	132516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	229228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	214328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75435	56.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.060%
35) Dibromofluoromethane	7.804	113	93589	60.321	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.640%
50) Toluene-d8	10.269	98	262767	43.612	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.220%
62) 4-Bromofluorobenzene	12.569	95	70713	40.557	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.120%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	3.969	101	7910	5.529	ug/l	93
12) 1,1-Dichloroethene	3.952	96	3044	2.126	ug/l #	67
16) Acetone	4.016	43	6583	25.161	ug/l #	87
17) Carbon Disulfide	4.269	76	9525	2.015	ug/l #	89
20) Methylene Chloride	4.804	84	71910	32.814	ug/l	92
21) trans-1,2-Dichloroethene	5.322	96	9266	5.761	ug/l #	83
27) cis-1,2-Dichloroethene	7.081	96	1145378	622.983	ug/l	99
44) Trichloroethene	9.028	130	14595	8.717	ug/l	95

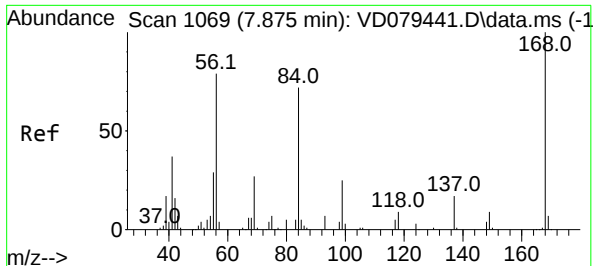
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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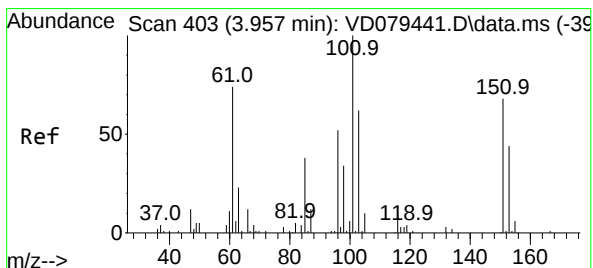
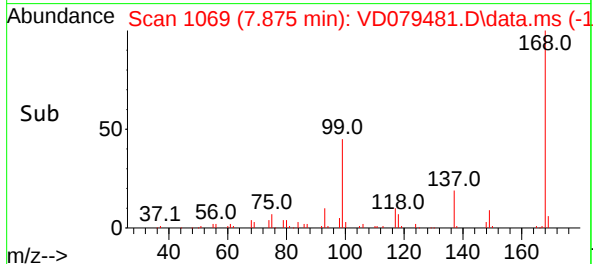
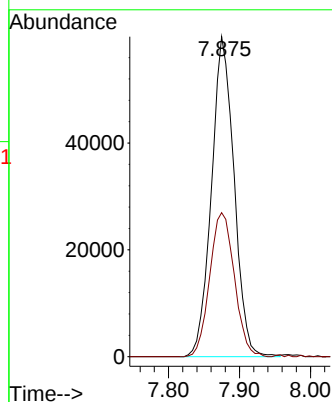
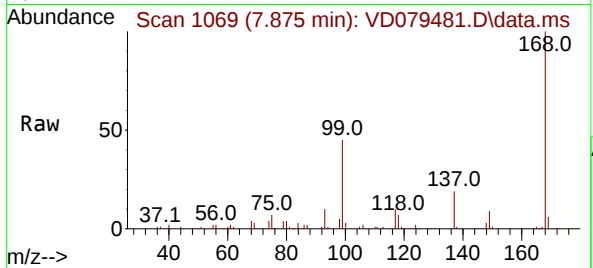




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

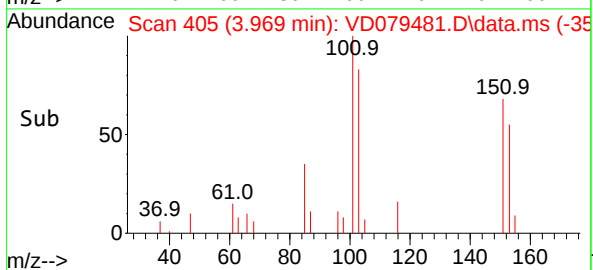
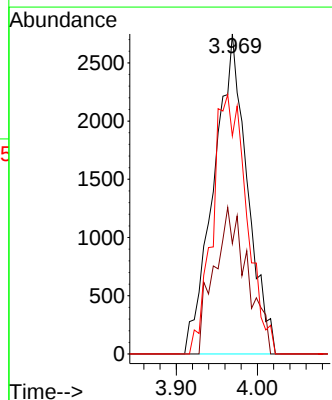
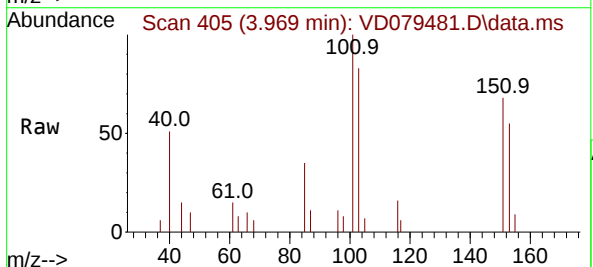
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12-12.5-072024

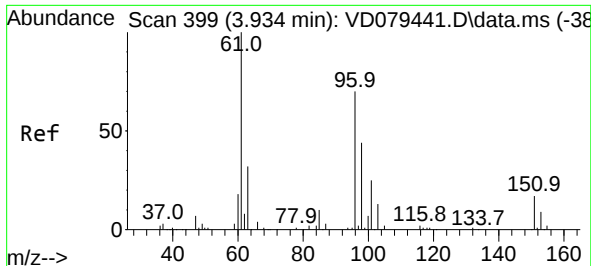
Tgt Ion:168 Resp: 132516
Ion Ratio Lower Upper
168 100
99 45.0 41.1 61.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.529 ug/l
RT: 3.969 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion:101 Resp: 7910
Ion Ratio Lower Upper
101 100
85 45.4 33.5 50.3
151 82.5 60.3 90.5





#12

1,1-Dichloroethene

Concen: 2.126 ug/l

RT: 3.952 min Scan# 402

Delta R.T. 0.023 min

Lab File: VD079481.D

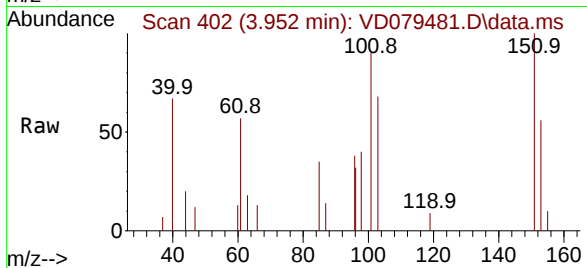
Acq: 31 Jul 2024 04:13

Instrument :

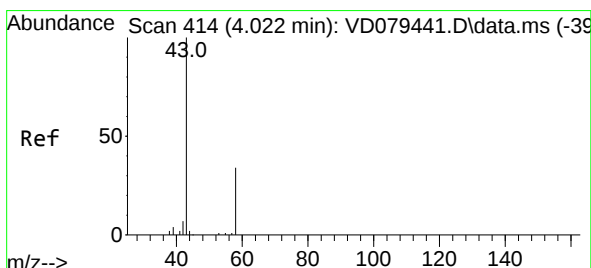
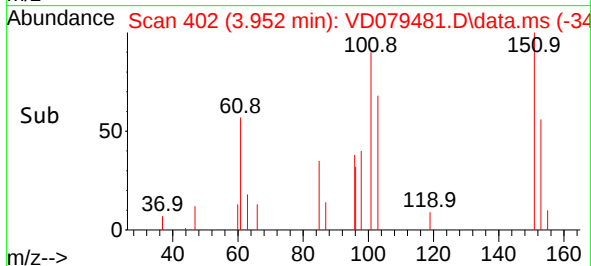
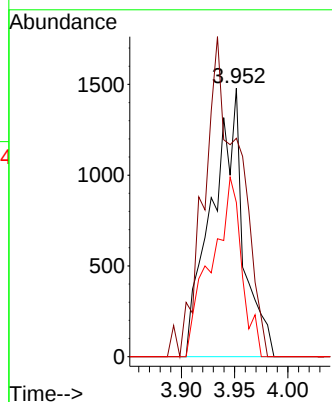
MSVOA_D

ClientSampleId :

S-861-K2-SO-12-12.5-072024



Tgt Ion:	96	Resp:	3044
Ion	Ratio	Lower	Upper
96	100		
61	81.3	107.3	160.9#
98	57.5	51.7	77.5



#16

Acetone

Concen: 25.161 ug/l

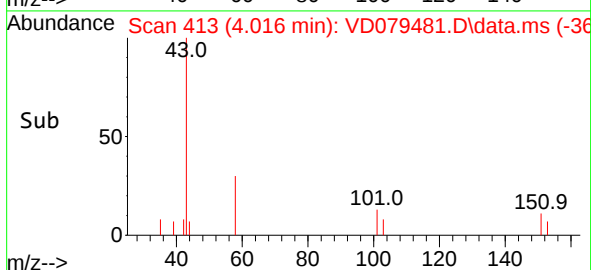
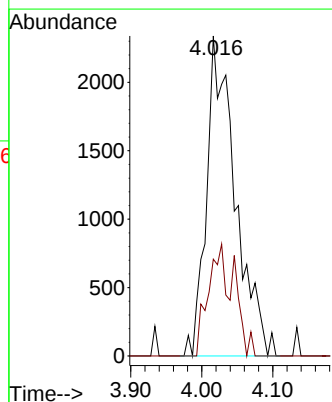
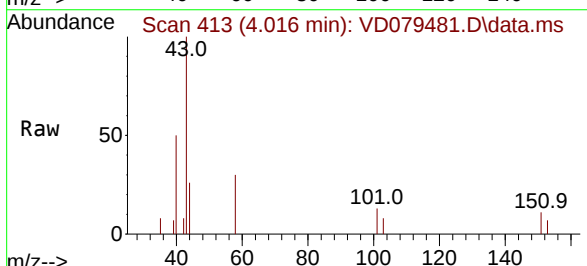
RT: 4.016 min Scan# 413

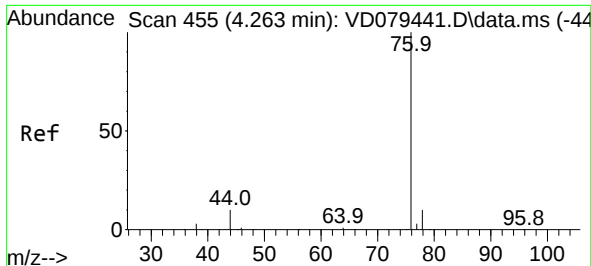
Delta R.T. -0.006 min

Lab File: VD079481.D

Acq: 31 Jul 2024 04:13

Tgt Ion:	43	Resp:	6583
Ion	Ratio	Lower	Upper
43	100		
58	30.3	30.4	45.6#

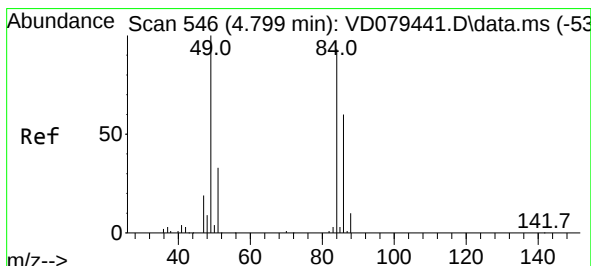
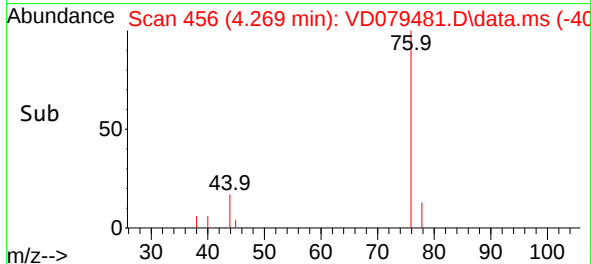
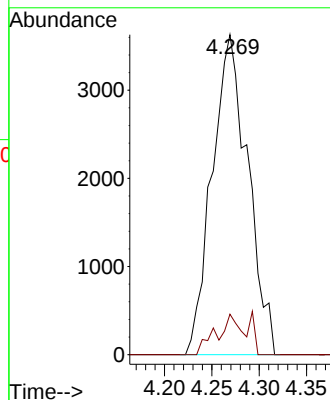
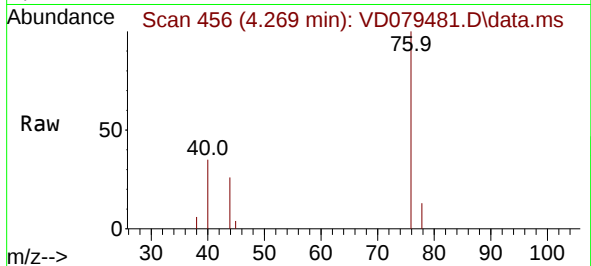




#17
Carbon Disulfide
Concen: 2.015 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

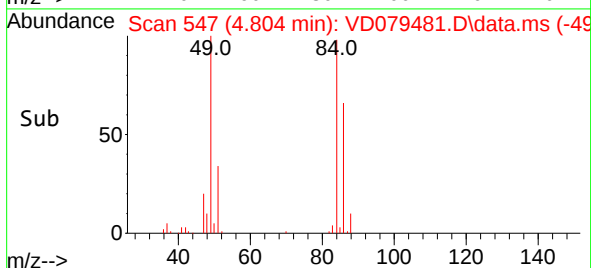
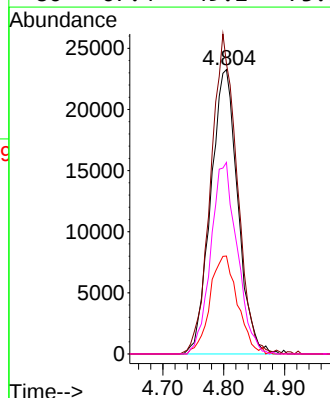
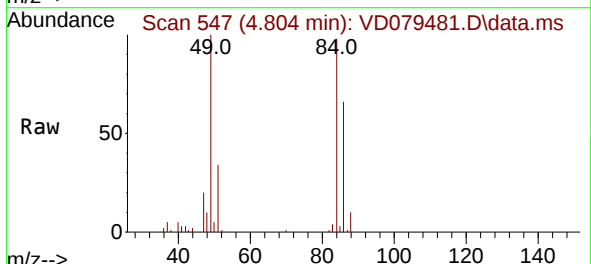
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12-12.5-072024

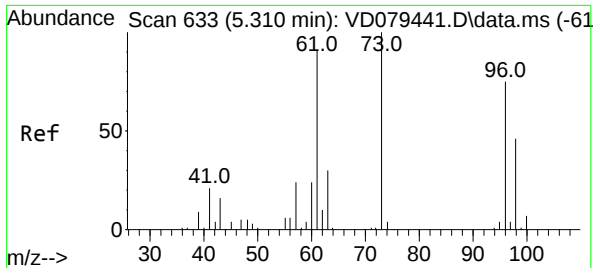
Tgt Ion: 76 Resp: 9525
Ion Ratio Lower Upper
76 100
78 12.7 6.9 10.3#



#20
Methylene Chloride
Concen: 32.814 ug/l
RT: 4.804 min Scan# 547
Delta R.T. 0.005 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion: 84 Resp: 71910
Ion Ratio Lower Upper
84 100
49 102.1 75.6 113.4
51 34.4 24.2 36.2
86 67.4 49.2 73.8

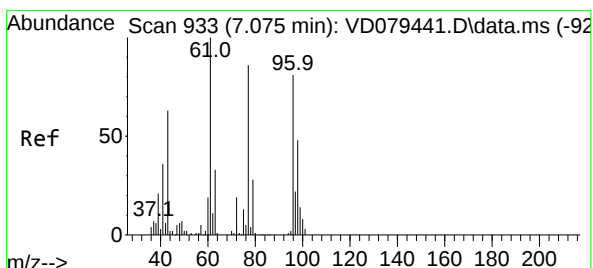
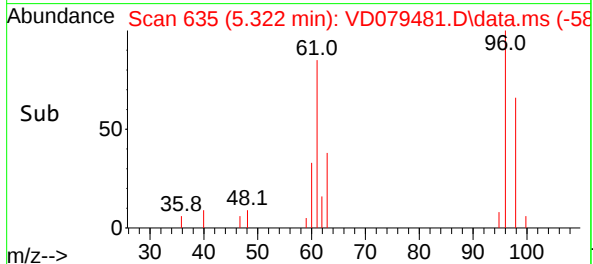
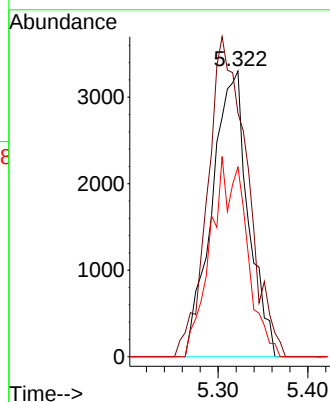
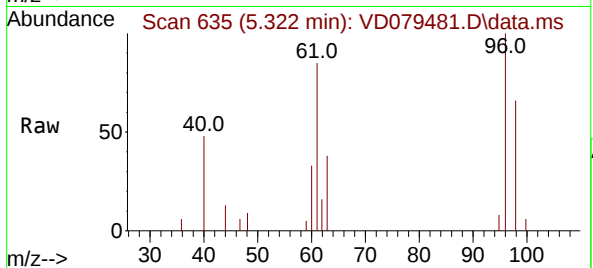




#21
trans-1,2-Dichloroethene
Concen: 5.761 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

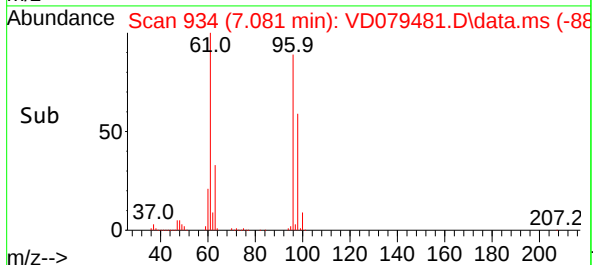
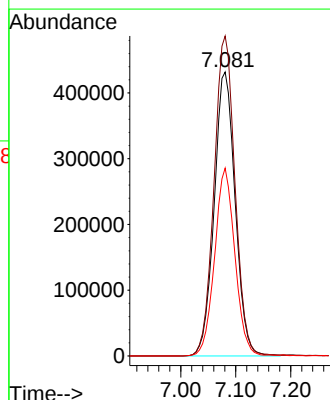
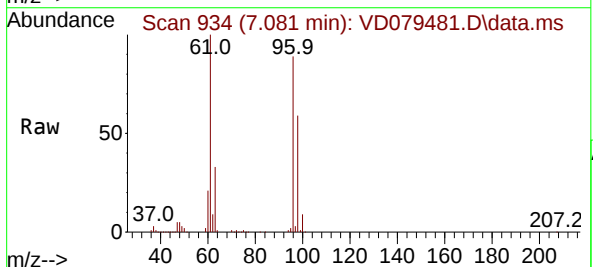
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12-12.5-072024

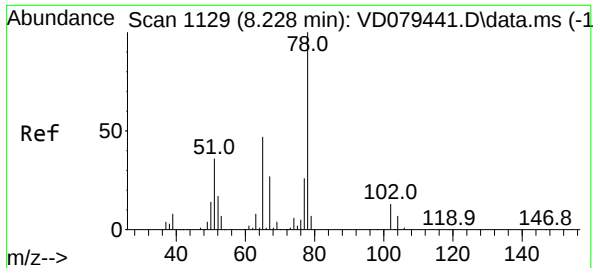
Tgt Ion: 96 Resp: 9266
Ion Ratio Lower Upper
96 100
61 80.0 84.5 126.7#
98 66.3 50.5 75.7



#27
cis-1,2-Dichloroethene
Concen: 622.983 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion: 96 Resp: 1145378
Ion Ratio Lower Upper
96 100
61 112.7 0.0 229.0
98 63.9 0.0 127.2





#33

1,2-Dichloroethane-d4

Concen: 56.034 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079481.D

Acq: 31 Jul 2024 04:13

Instrument :

MSVOA_D

ClientSampleId :

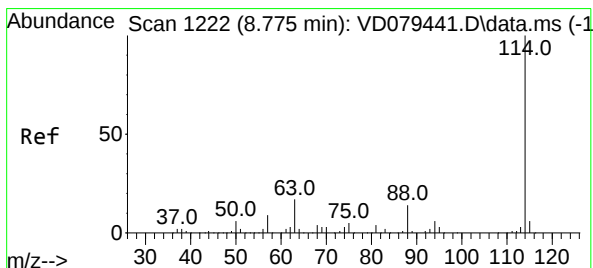
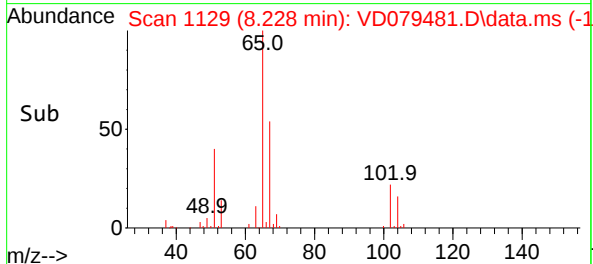
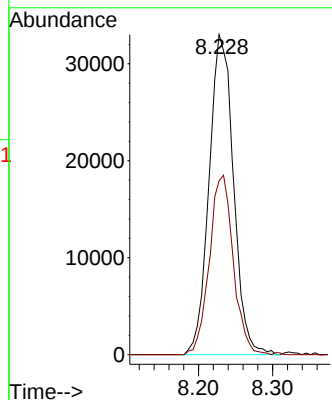
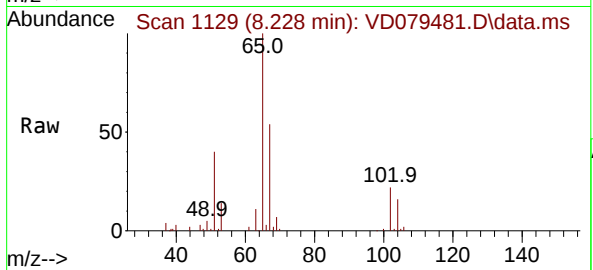
S-861-K2-SO-12-12.5-072024

Tgt Ion: 65 Resp: 75435

Ion Ratio Lower Upper

65 100

67 54.9 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD079481.D

Acq: 31 Jul 2024 04:13

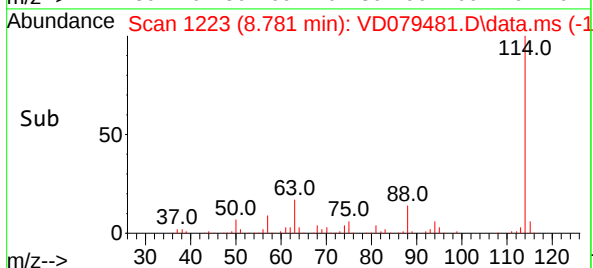
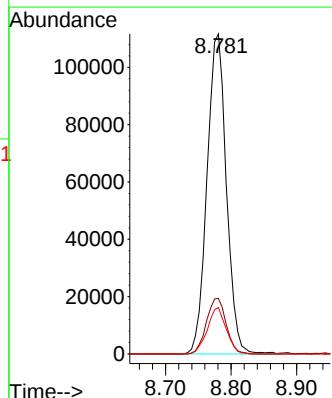
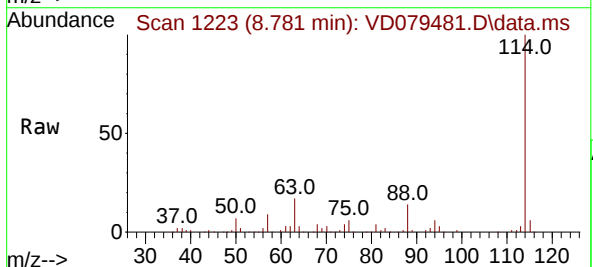
Tgt Ion: 114 Resp: 229228

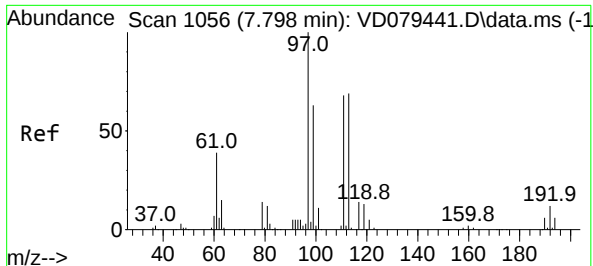
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.0

88 14.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 60.321 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079481.D

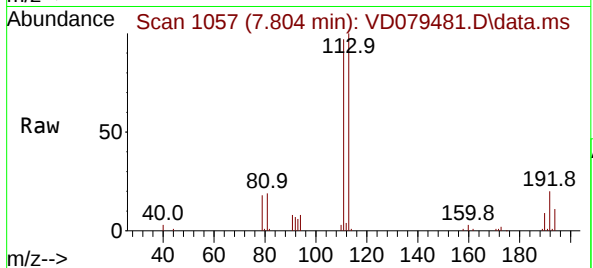
Acq: 31 Jul 2024 04:13

Instrument :

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ClientSampleId :

S-861-K2-SO-12-12.5-072024



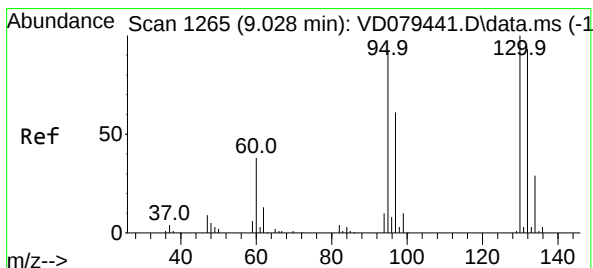
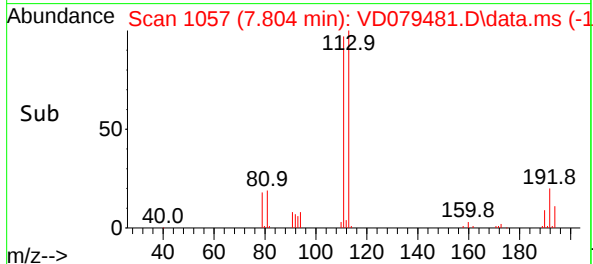
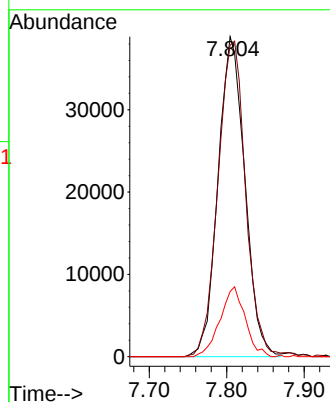
Tgt Ion:113 Resp: 93589

Ion Ratio Lower Upper

113 100

111 101.9 84.0 126.0

192 20.5 15.4 23.0



#44

Trichloroethene

Concen: 8.717 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD079481.D

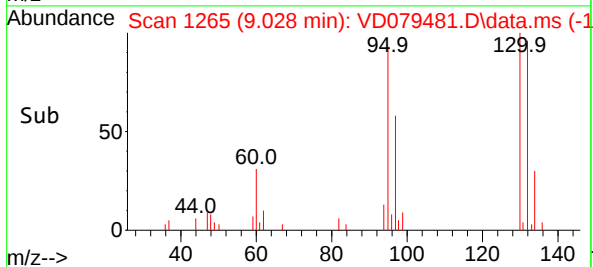
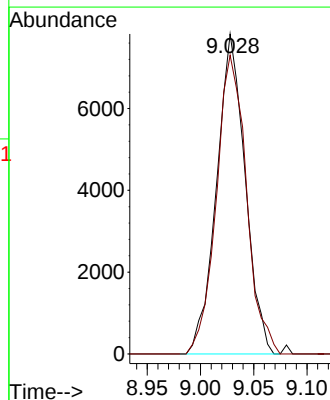
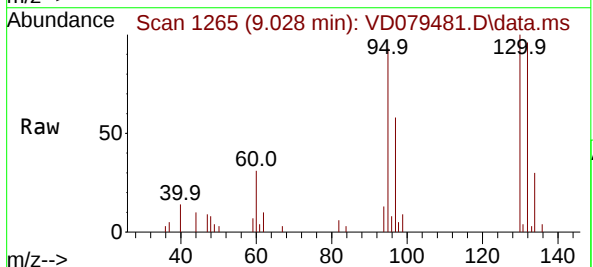
Acq: 31 Jul 2024 04:13

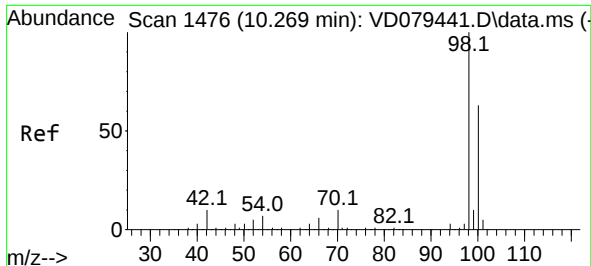
Tgt Ion:130 Resp: 14595

Ion Ratio Lower Upper

130 100

95 93.4 0.0 177.8

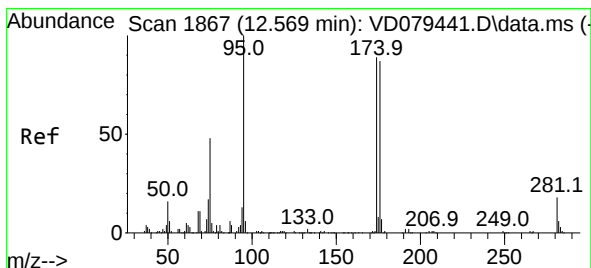
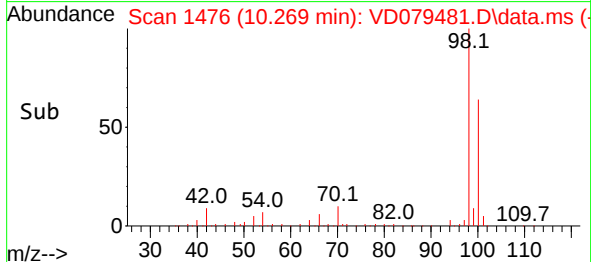
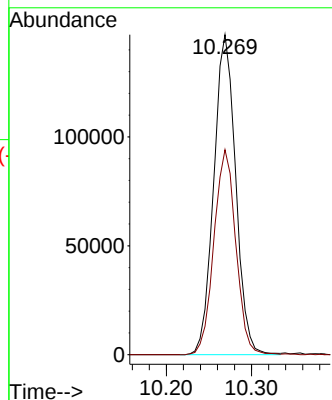
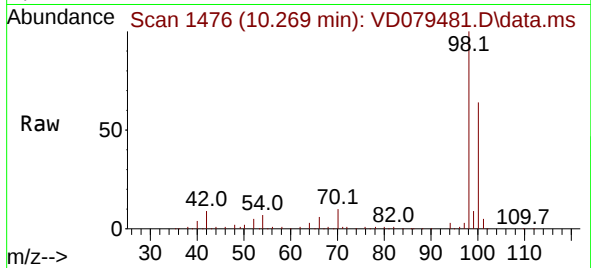




#50
Toluene-d8
Concen: 43.612 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

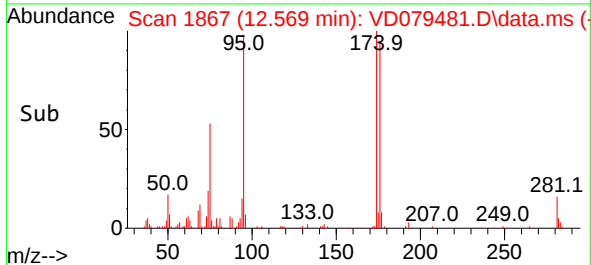
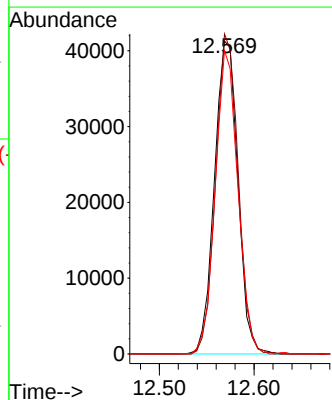
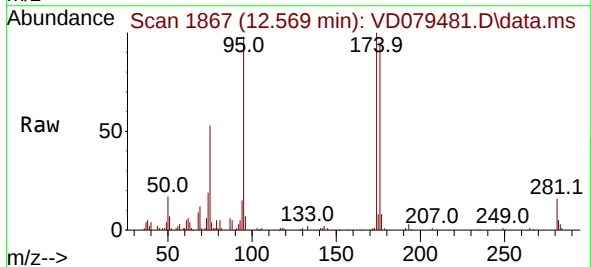
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S-861-K2-SO-12-12.5-072024

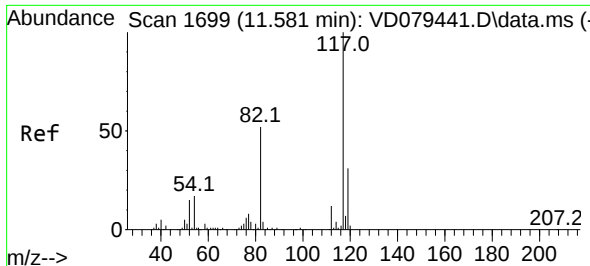
Tgt Ion: 98 Resp: 262767
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 40.557 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion: 95 Resp: 70713
Ion Ratio Lower Upper
95 100
174 98.8 0.0 195.4
176 93.9 0.0 192.6

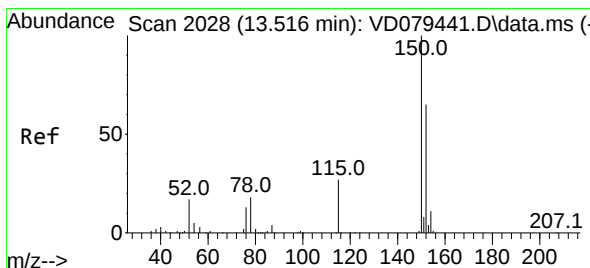
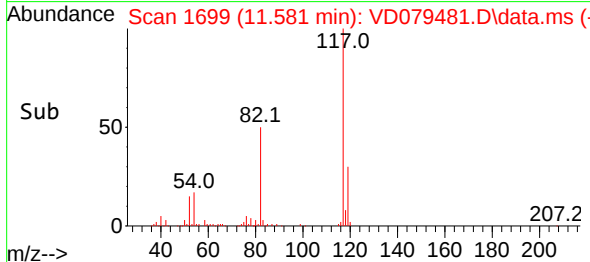
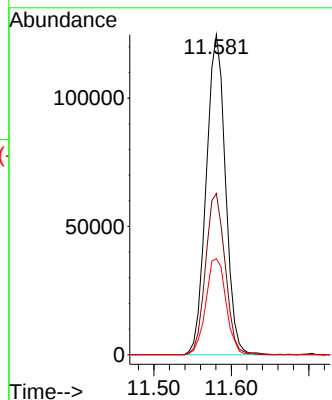
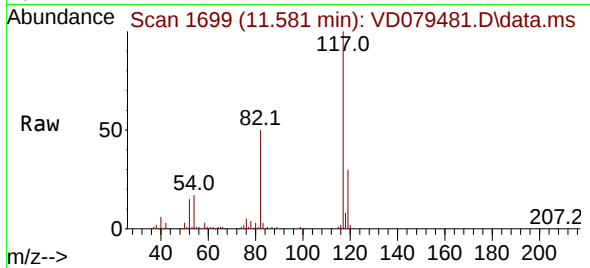




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12-12.5-072024

Tgt Ion:117 Resp: 214328
Ion Ratio Lower Upper
117 100
82 50.4 39.8 59.6
119 30.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion:152 Resp: 81793
Ion Ratio Lower Upper
152 100
115 55.1 26.5 79.5
150 156.9 0.0 341.6

