

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079517.D
 Acq On : 01 Aug 2024 02:41
 Operator : RP/MD
 Sample : P3374-15
 Misc : 6.80G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-847-G1-SO-12.5-13-072024

Quant Time: Aug 01 02:57:29 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)

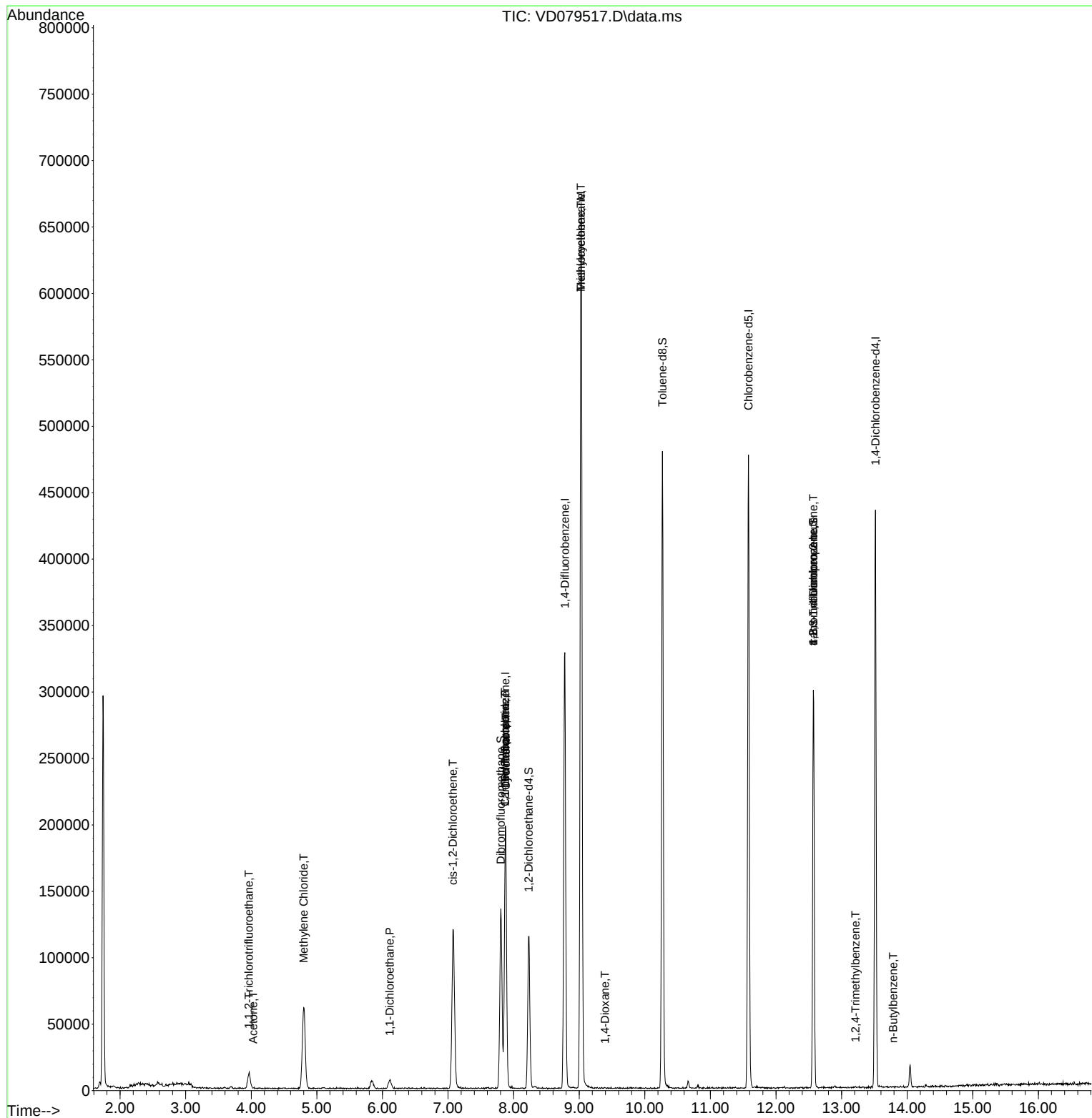
Internal Standards						
1) Pentafluorobenzene	7.875	168	160339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	307409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	124926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	87814	53.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.820%	
35) Dibromofluoromethane	7.805	113	99311	47.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.460%	
50) Toluene-d8	10.269	98	335731	41.551	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 83.100%	
62) 4-Bromofluorobenzene	12.569	95	87970	37.623	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	151	Below Cal	#	18
9) 1,1,2-Trichlorotrifluo...	3.964	101	7755	4.480	ug/l #	90
16) Acetone	4.028	43	777	2.454	ug/l #	37
20) Methylene Chloride	4.799	84	50266	9.079	ug/l	88
24) 1,1-Dichloroethane	6.111	63	10233	3.000	ug/l #	92
27) cis-1,2-Dichloroethene	7.075	96	80903	36.368	ug/l	99
31) Cyclohexane	7.881	56	3032	1.121	ug/l #	37
36) 1,1-Dichloropropene	7.869	75	12225	4.305	ug/l #	48
38) Carbon Tetrachloride	7.869	117	15174	5.083	ug/l #	18
39) Methylcyclohexane	9.028	83	3571	1.054	ug/l #	1
44) Trichloroethene	9.028	130	256937	114.428	ug/l	94
49) 1,4-Dioxane	9.393	88	73	5.789	ug/l #	33
76) 1,2,3-Trichloropropane	12.569	75	44161	40.441	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	44161	77.133	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.210	105	128	3.444	ug/l	99
89) n-Butylbenzene	13.787	91	65	3.790	ug/l #	34

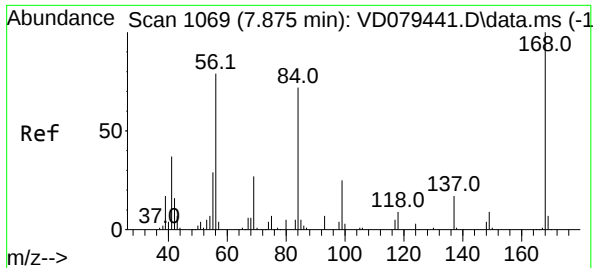
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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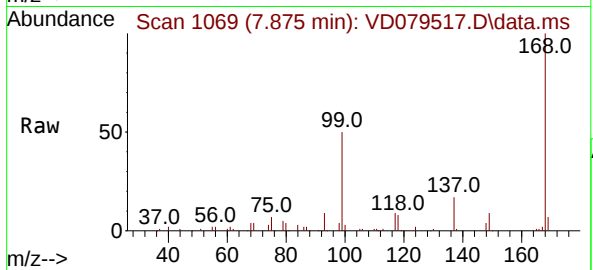
Quant Time: Aug 01 02:57:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
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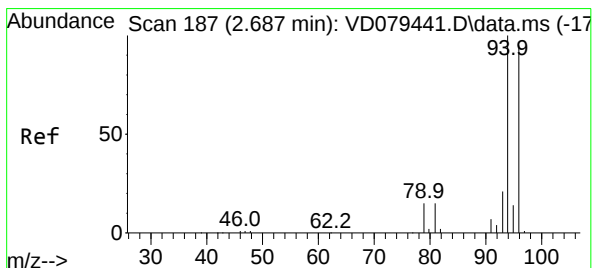
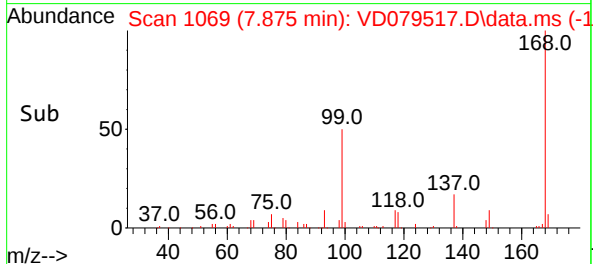
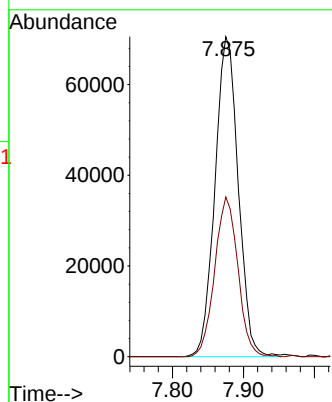


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

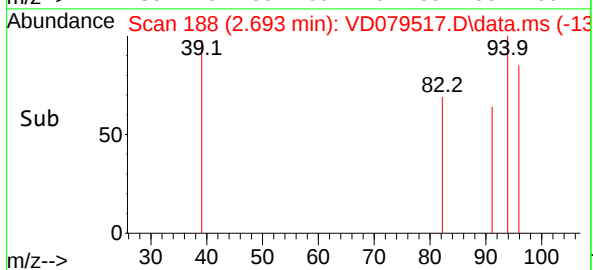
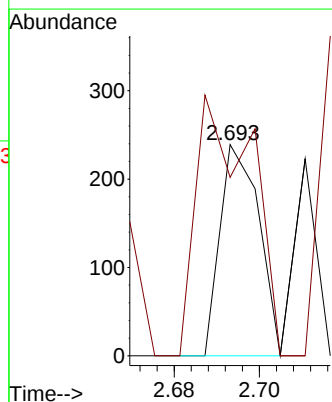
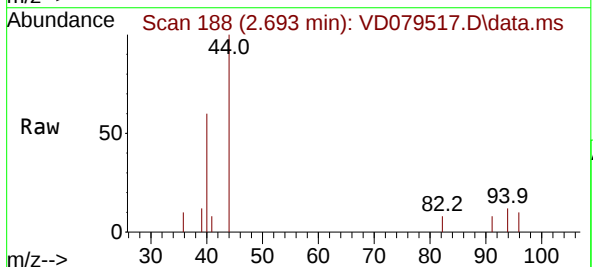


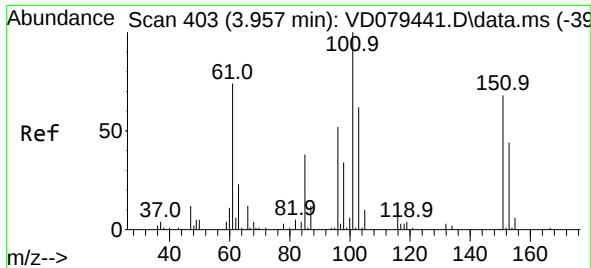
Tgt Ion:168 Resp: 160339
Ion Ratio Lower Upper
168 100
99 49.9 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Tgt Ion: 94 Resp: 151
Ion Ratio Lower Upper
94 100
96 176.2 76.9 115.3#

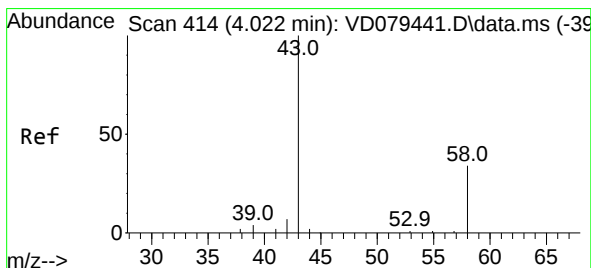
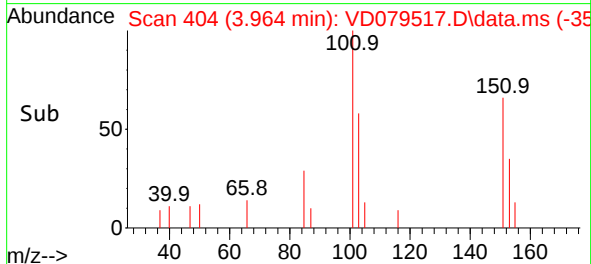
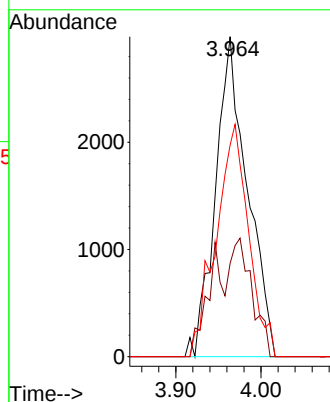
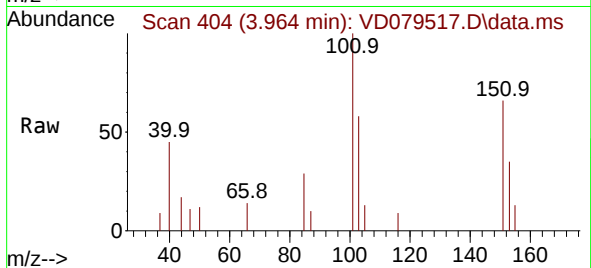




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.480 ug/l
RT: 3.964 min Scan# 404
Delta R.T. 0.000 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

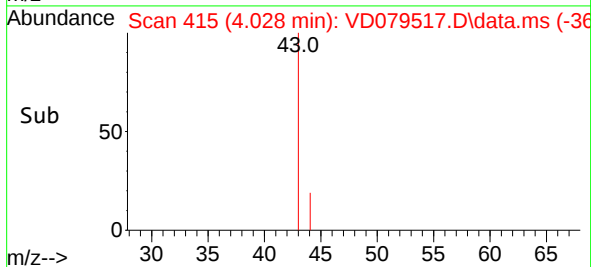
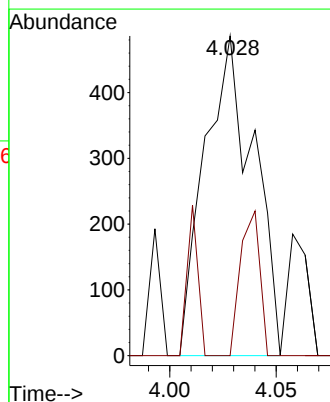
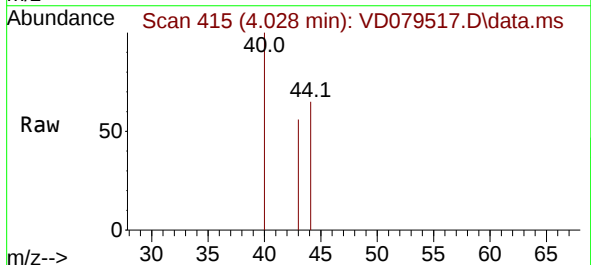
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

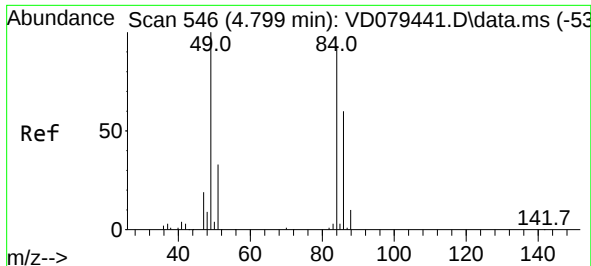
Tgt Ion:101 Resp: 7755
Ion Ratio Lower Upper
101 100
85 25.8 33.5 50.3#
151 73.9 60.3 90.5



#16
Acetone
Concen: 2.454 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

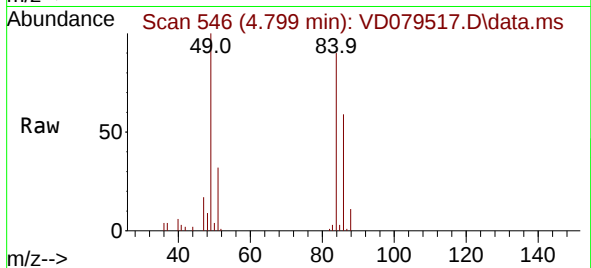
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



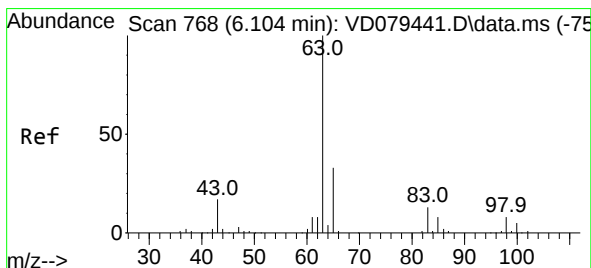
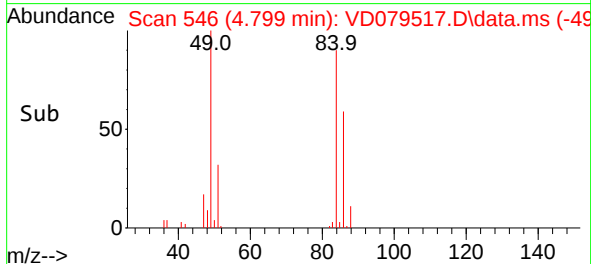
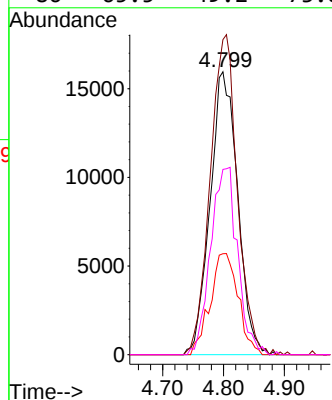


#20
Methylene Chloride
Concen: 9.079 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

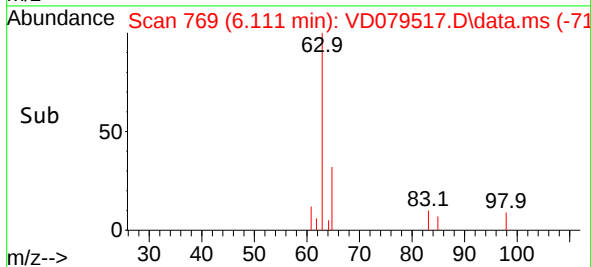
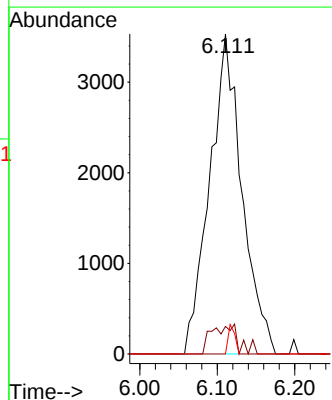
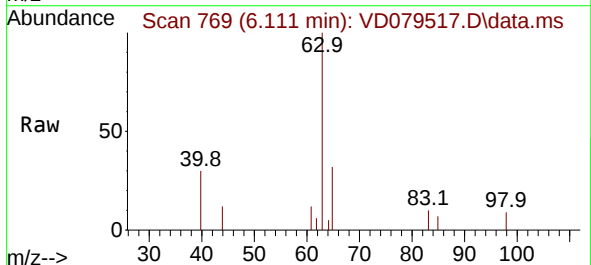


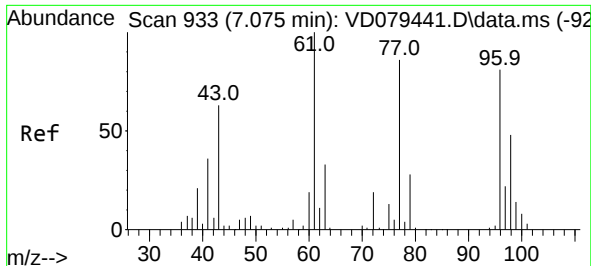
Tgt Ion:	84	Resp:	50266
Ion	Ratio	Lower	Upper
84	100		
49	111.4	75.6	113.4
51	35.7	24.2	36.2
86	65.5	49.2	73.8



#24
1,1-Dichloroethane
Concen: 3.000 ug/l
RT: 6.111 min Scan# 769
Delta R.T. 0.006 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Tgt Ion:	63	Resp:	10233
Ion	Ratio	Lower	Upper
63	100		
98	8.6	4.7	14.0
100	0.0	2.9	8.6

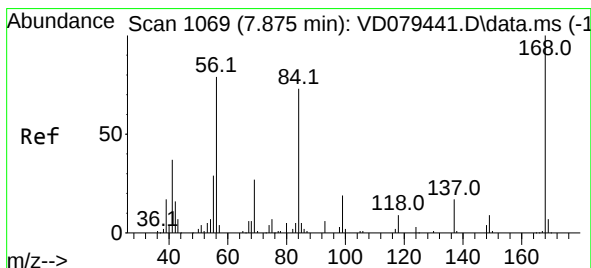
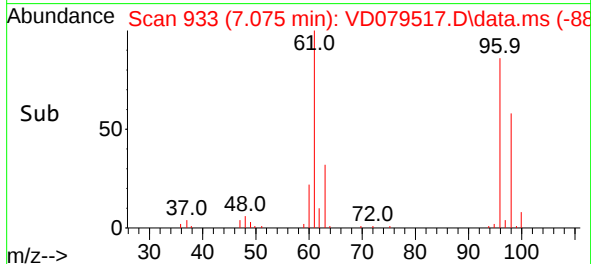
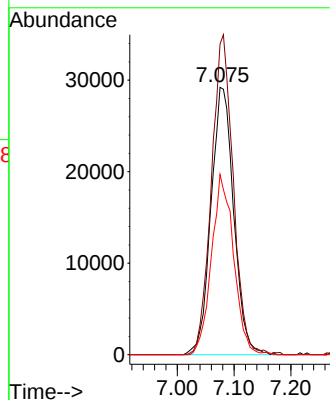
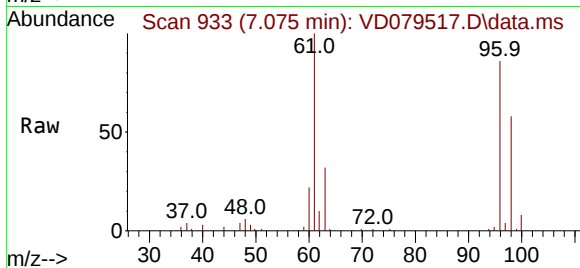




#27
 cis-1,2-Dichloroethene
 Concen: 36.368 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD079517.D
 Acq: 01 Aug 2024 02:41

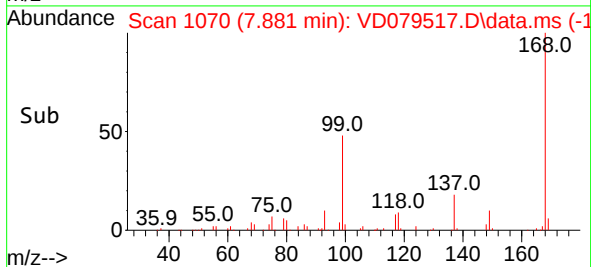
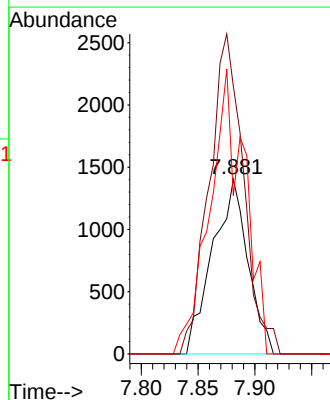
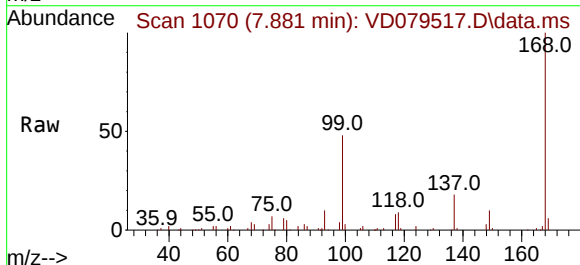
Instrument :
 MSVOA_D
 ClientSampleId :
 S-847-G1-SO-12.5-13-072024

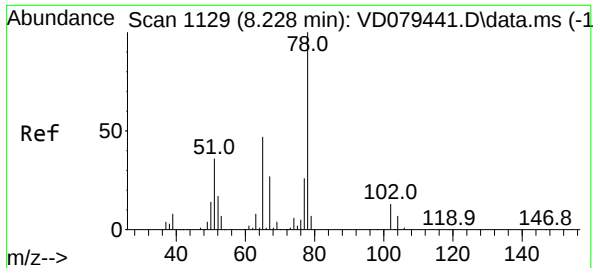
Tgt Ion: 96 Resp: 80903
 Ion Ratio Lower Upper
 96 100
 61 114.7 0.0 229.0
 98 65.7 0.0 127.2



#31
 Cyclohexane
 Concen: 1.121 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. 0.000 min
 Lab File: VD079517.D
 Acq: 01 Aug 2024 02:41

Tgt Ion: 56 Resp: 3032
 Ion Ratio Lower Upper
 56 100
 69 153.4 28.0 42.0#
 84 90.7 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 53.910 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079517.D

Acq: 01 Aug 2024 02:41

Instrument :

MSVOA_D

ClientSampleId :

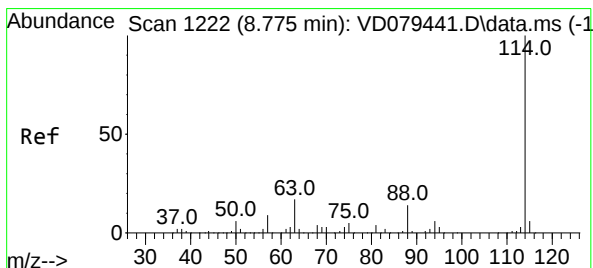
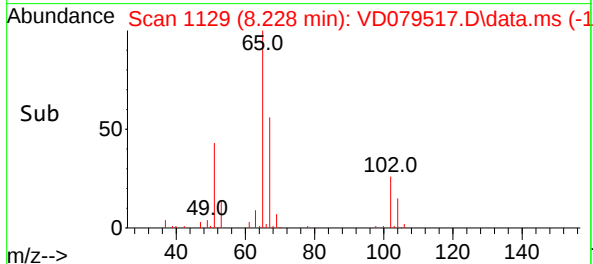
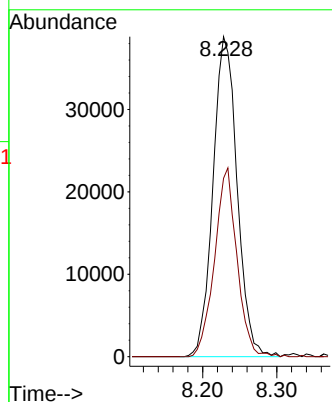
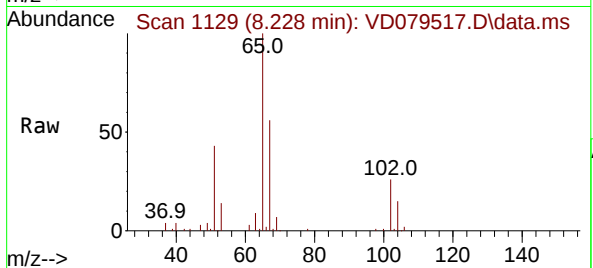
S-847-G1-SO-12.5-13-072024

Tgt Ion: 65 Resp: 87814

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: VD079517.D

Acq: 01 Aug 2024 02:41

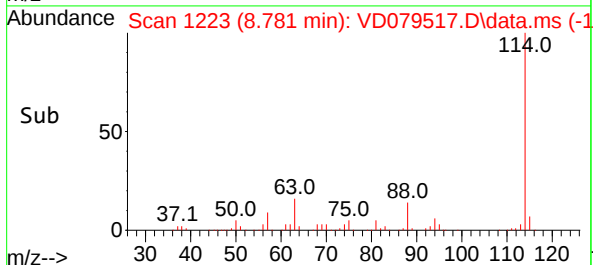
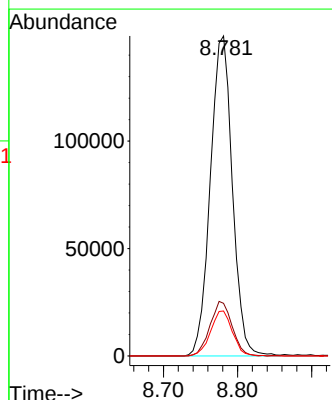
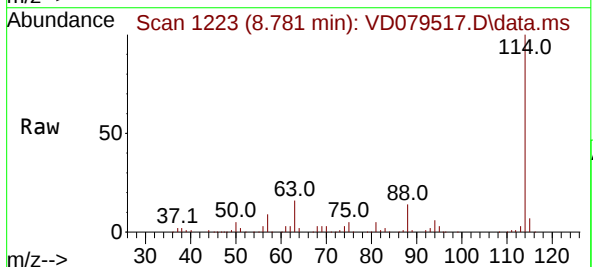
Tgt Ion: 114 Resp: 307409

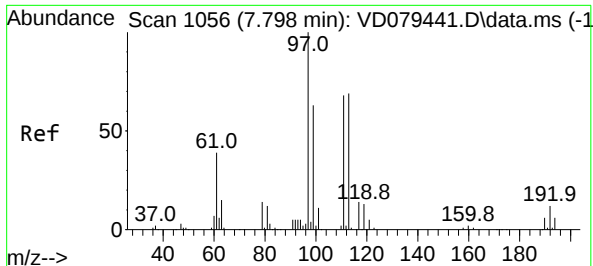
Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.0

88 14.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 47.730 ug/l

RT: 7.805 min Scan# 1067

Delta R.T. 0.000 min

Lab File: VD079517.D

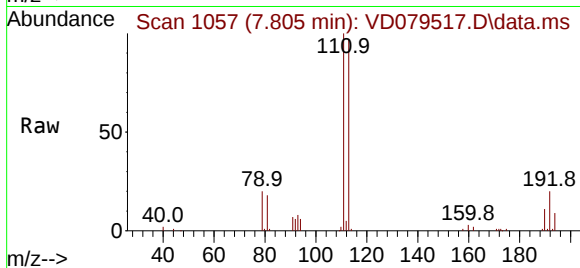
Acq: 01 Aug 2024 02:41

Instrument :

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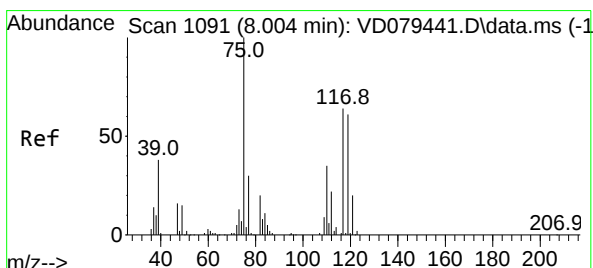
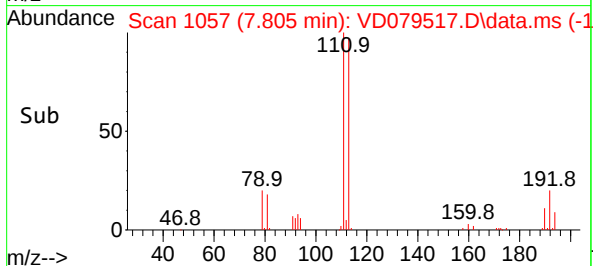
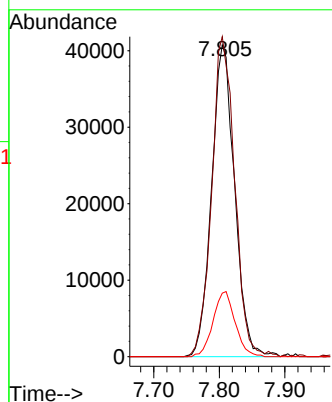
Tgt Ion:113 Resp: 99311

Ion Ratio Lower Upper

113 100

111 102.2 84.0 126.0

192 20.0 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.305 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079517.D

Acq: 01 Aug 2024 02:41

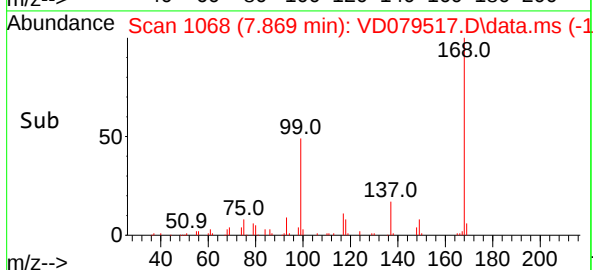
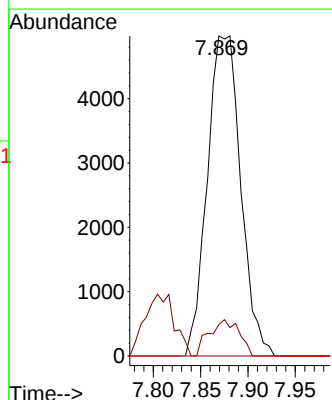
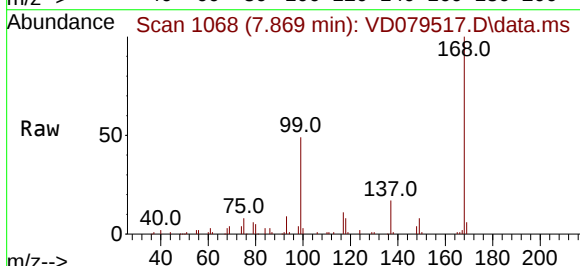
Tgt Ion: 75 Resp: 12225

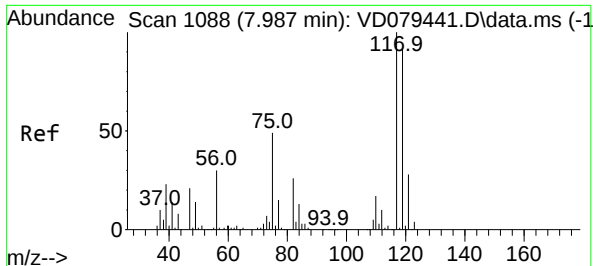
Ion Ratio Lower Upper

75 100

110 10.2 19.6 58.7#

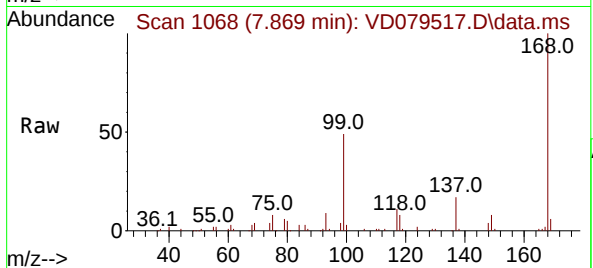
77 0.0 26.1 39.1#



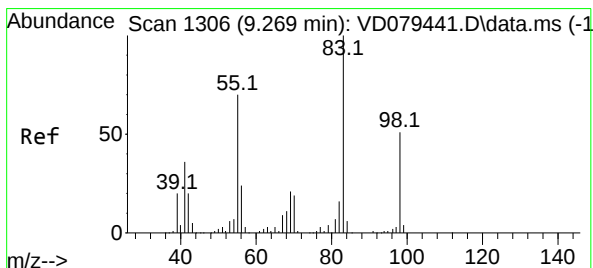
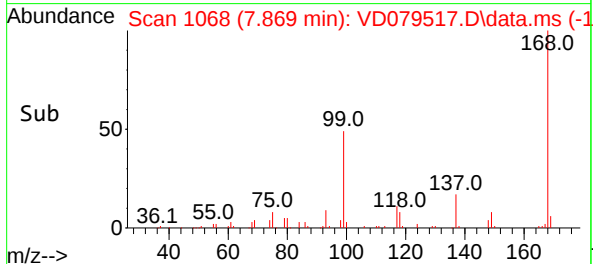
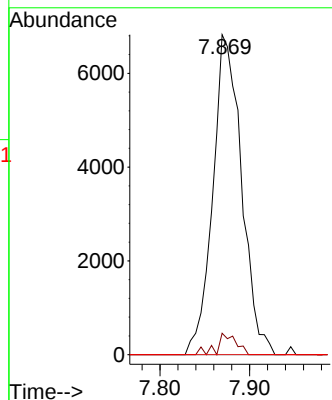


#38
Carbon Tetrachloride
Concen: 5.083 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

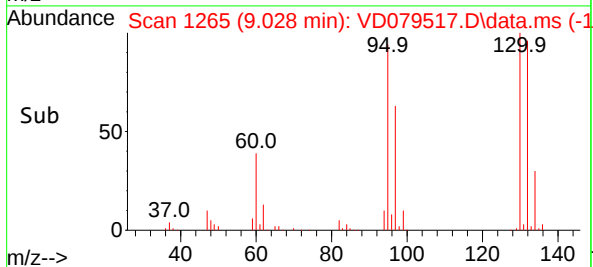
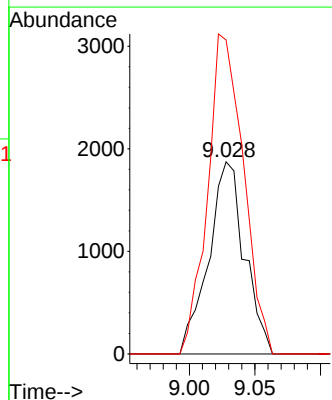
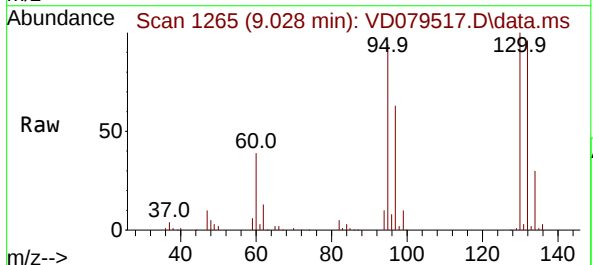


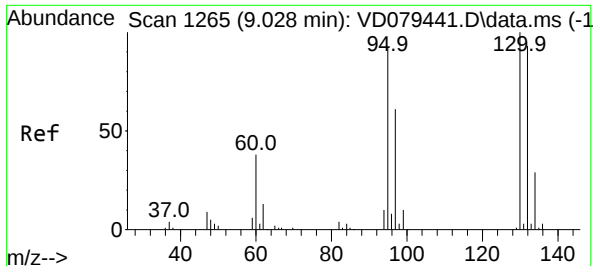
Tgt Ion:117 Resp: 15174
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.0#
121 0.0 25.0 37.4#



#39
Methylcyclohexane
Concen: 1.054 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.247 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Tgt Ion: 83 Resp: 3571
Ion Ratio Lower Upper
83 100
55 0.0 50.1 75.1#
98 163.3 41.9 62.9#

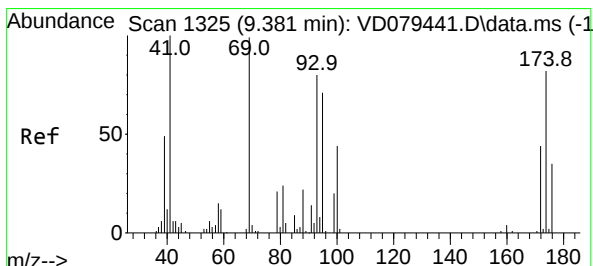
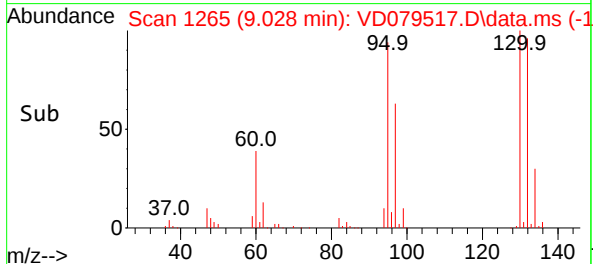
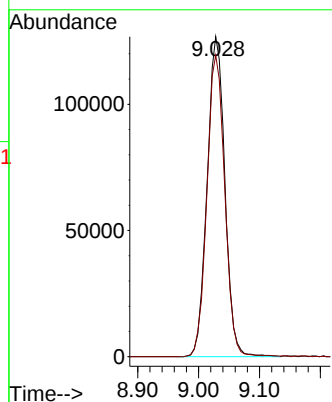
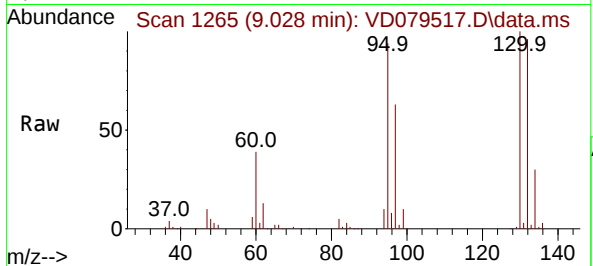




#44
Trichloroethene
Concen: 114.428 ug/l
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

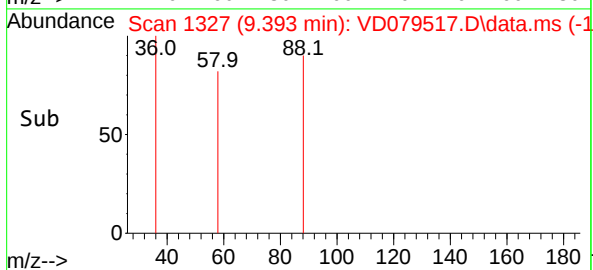
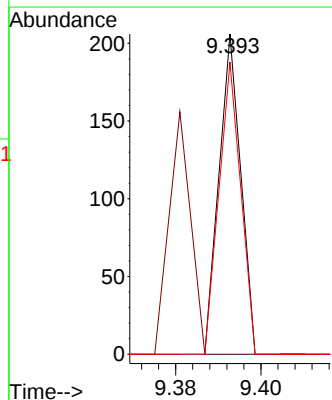
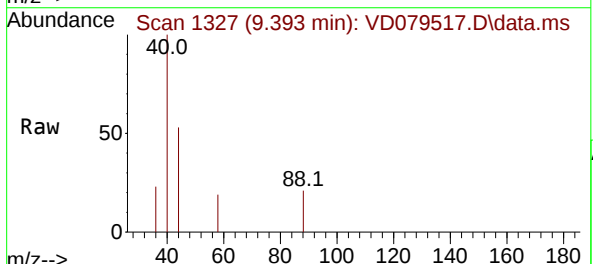
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

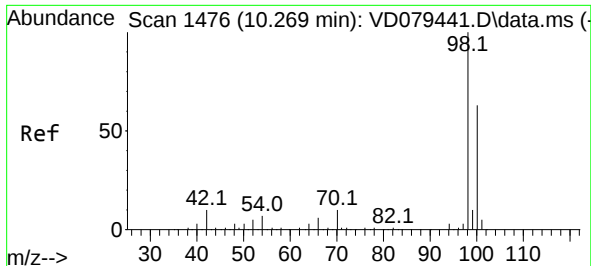
Tgt Ion:130 Resp: 256937
Ion Ratio Lower Upper
130 100
95 94.2 0.0 177.8



#49
1,4-Dioxane
Concen: 5.789 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. 0.000 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 75.3 21.5 32.3#
58 90.4 42.2 63.4#

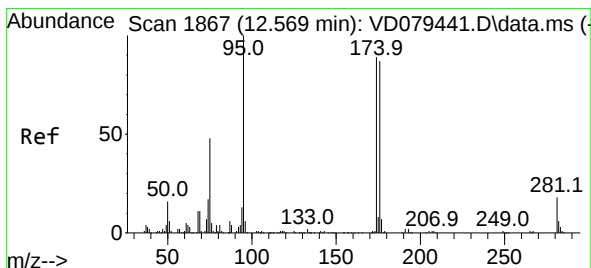
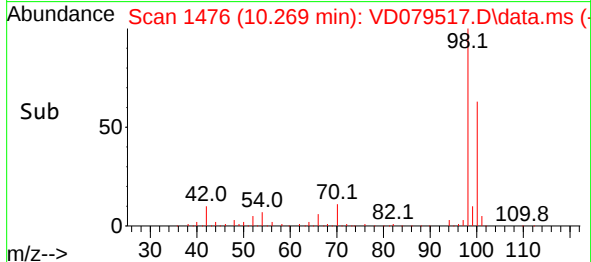
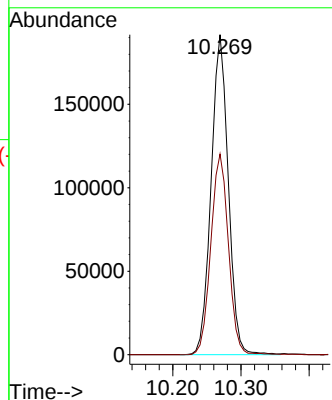
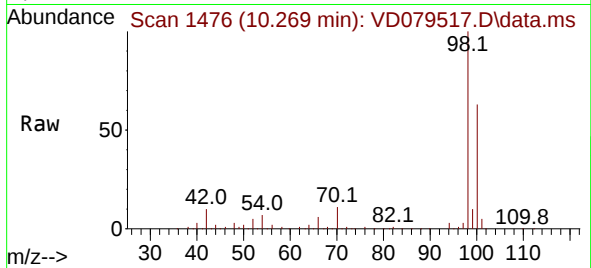




#50
Toluene-d8
Concen: 41.551 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

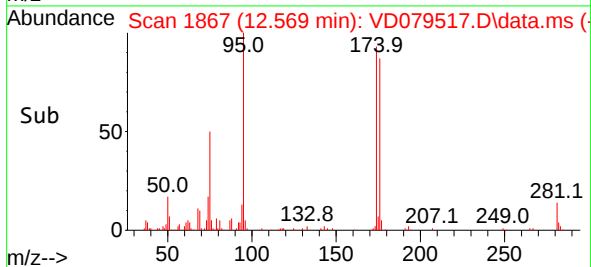
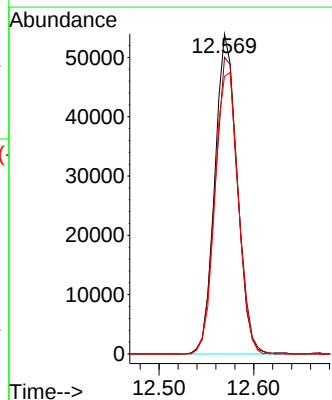
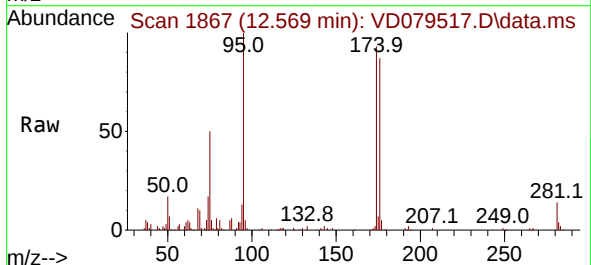
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

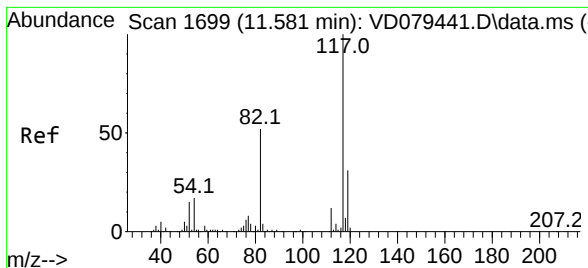
Tgt Ion: 98 Resp: 335731
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 37.623 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Tgt Ion: 95 Resp: 87970
Ion Ratio Lower Upper
95 100
174 95.8 0.0 195.4
176 92.5 0.0 192.6

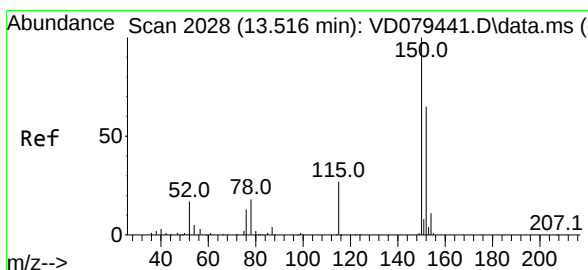
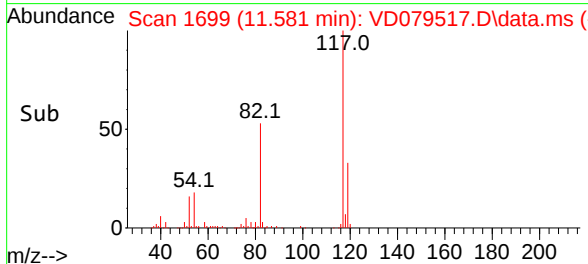
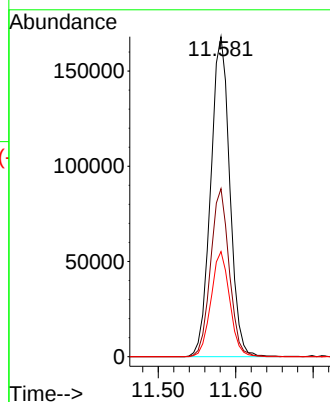
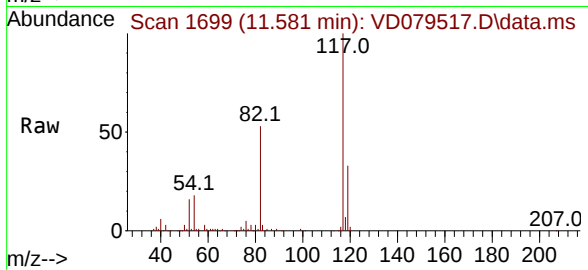




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

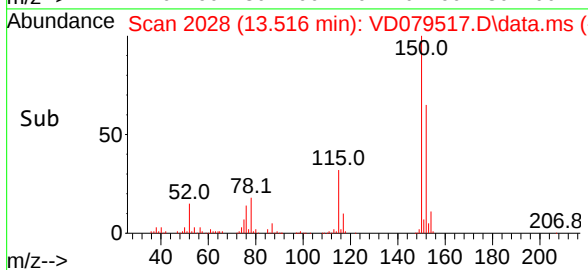
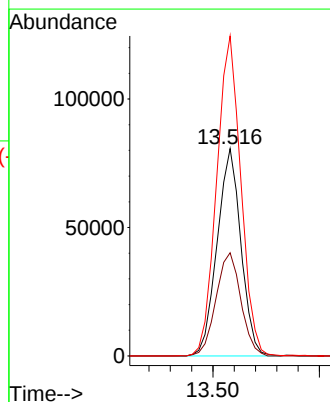
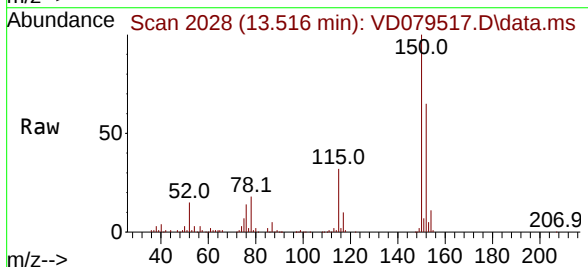
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

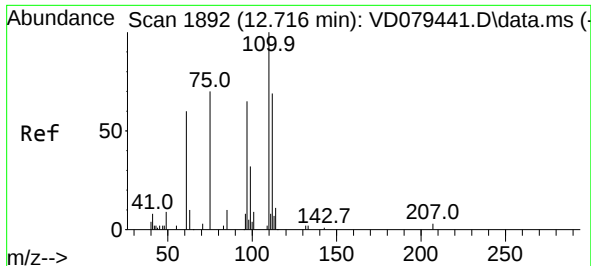
Tgt Ion:117 Resp: 287806
Ion Ratio Lower Upper
117 100
82 52.5 39.8 59.6
119 32.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Tgt Ion:152 Resp: 124926
Ion Ratio Lower Upper
152 100
115 52.0 26.5 79.5
150 156.9 0.0 341.6

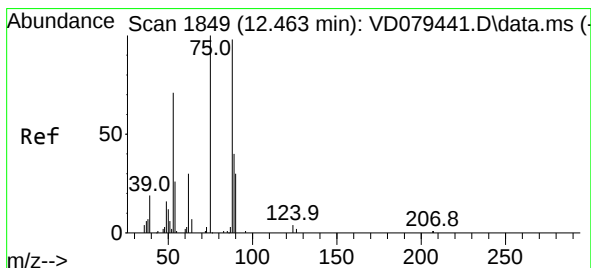
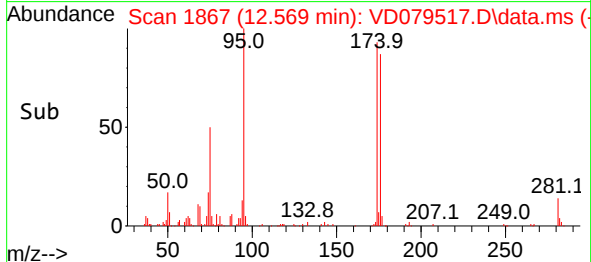
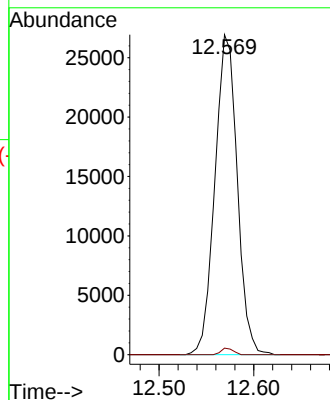
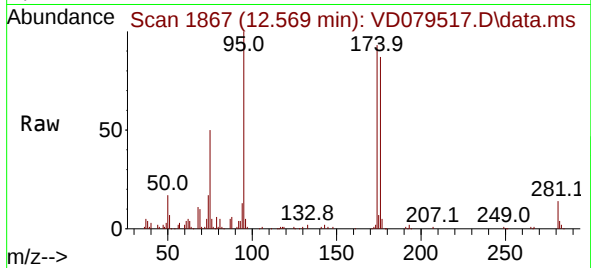




#76
1,2,3-Trichloropropane
Concen: 40.441 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

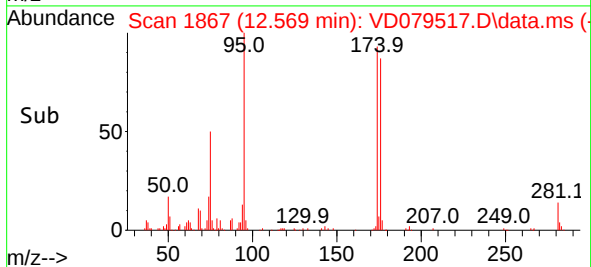
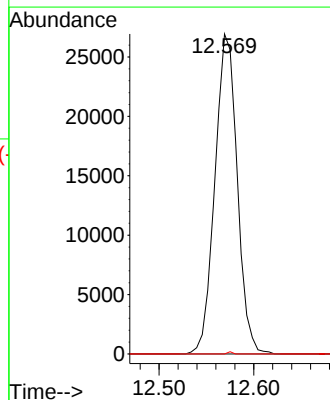
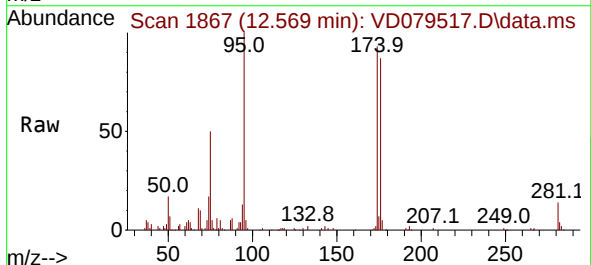
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

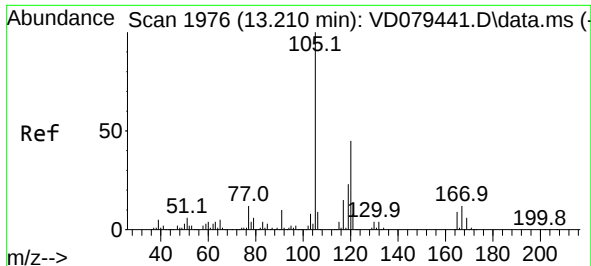
Tgt Ion: 75 Resp: 44161
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.133 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Tgt Ion: 75 Resp: 44161
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.1 35.4 53.0#

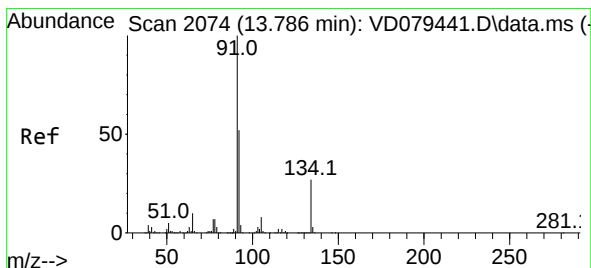
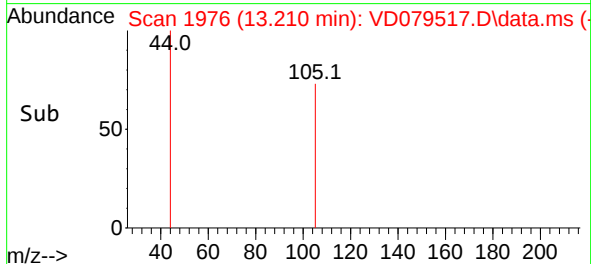
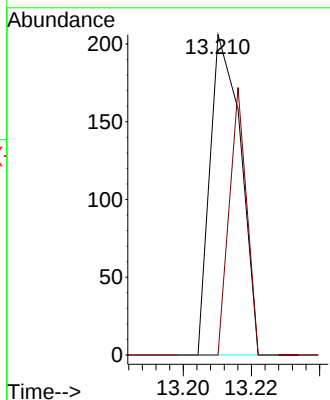
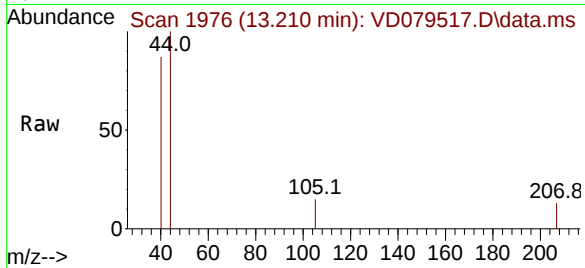




#84
1,2,4-Trimethylbenzene
Concen: 3.444 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Instrument : MSVOA_D
ClientSampleId : S-847-G1-SO-12.5-13-072024

Tgt Ion:105 Resp: 128
Ion Ratio Lower Upper
105 100
120 47.7 23.6 71.0



#89
n-Butylbenzene
Concen: 3.790 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD079517.D
Acq: 01 Aug 2024 02:41

Tgt Ion: 91 Resp: 65
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

