

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079518.D
 Acq On : 01 Aug 2024 03:09
 Operator : RP/MD
 Sample : P3374-16
 Misc : 6.94G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-847-G1-SO-14.5-15-072024

Quant Time: Aug 01 04:48:18 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)

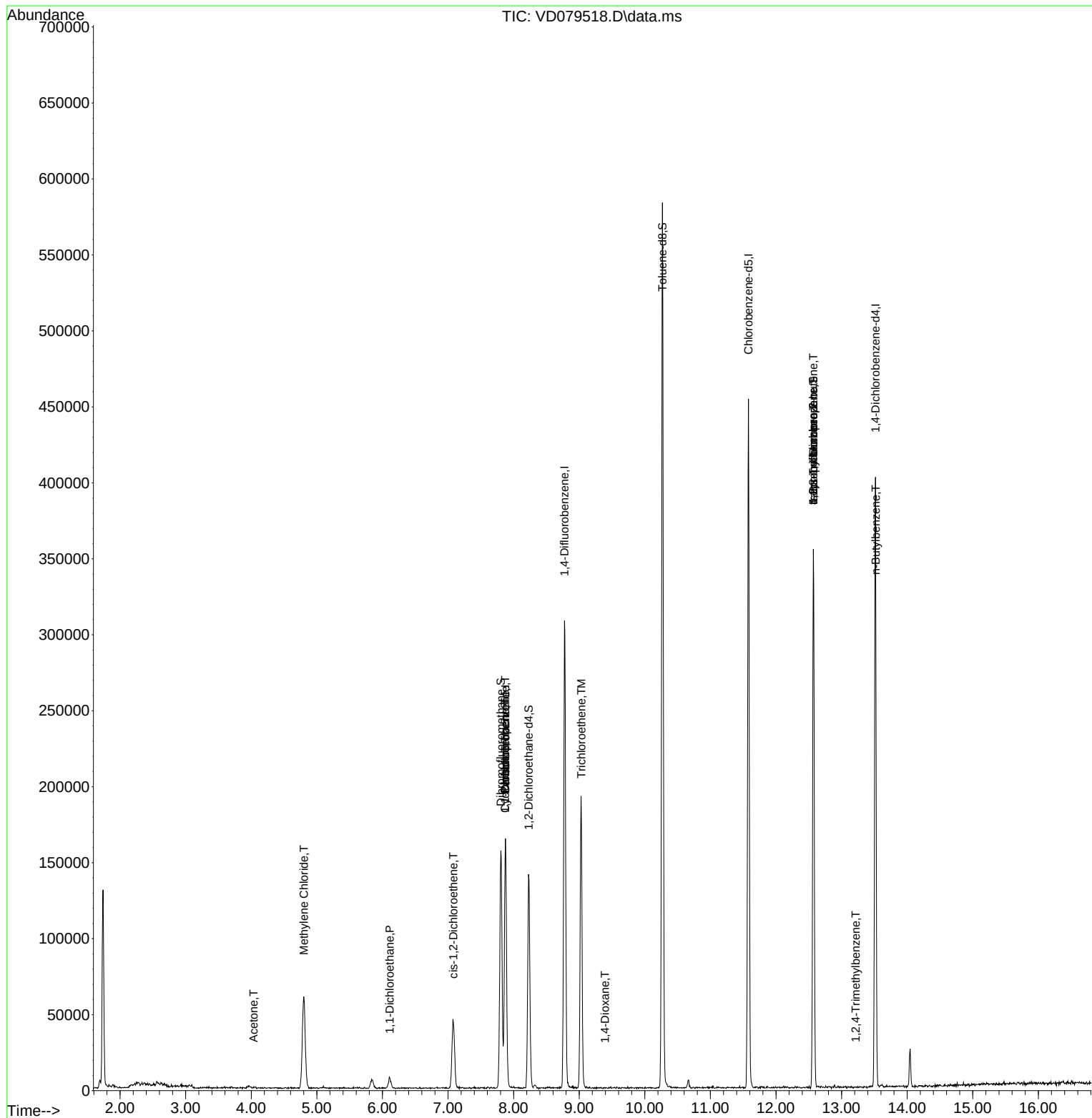
Internal Standards						
1) Pentafluorobenzene	7.875	168	131626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	284944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	274141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	113608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	108415	81.076	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 162.160%			
35) Dibromofluoromethane	7.805	113	115137	59.699	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.400%			
50) Toluene-d8	10.269	98	411103	54.890	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.780%			
62) 4-Bromofluorobenzene	12.569	95	105411	48.636	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.280%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	61	Below Cal	#	1
11) Tert butyl alcohol	5.040	59	73	Below Cal	#	86
16) Acetone	4.034	43	694	2.671	ug/l	97
20) Methylene Chloride	4.805	84	49372	15.791	ug/l	90
24) 1,1-Dichloroethane	6.111	63	9999	3.571	ug/l #	92
27) cis-1,2-Dichloroethene	7.081	96	30563	16.736	ug/l	97
31) Cyclohexane	7.869	56	2883	1.298	ug/l #	61
36) 1,1-Dichloropropene	7.869	75	9756	3.706	ug/l #	46
38) Carbon Tetrachloride	7.875	117	12176	4.400	ug/l #	16
44) Trichloroethene	9.034	130	72997	35.073	ug/l	90
49) 1,4-Dioxane	9.393	88	136	11.636	ug/l #	74
73) Isopropylbenzene	12.569	105	173	3.647	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	53099	53.471	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	53099	101.983	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.216	105	71	3.438	ug/l #	29
89) n-Butylbenzene	13.522	91	140	3.800	ug/l #	34

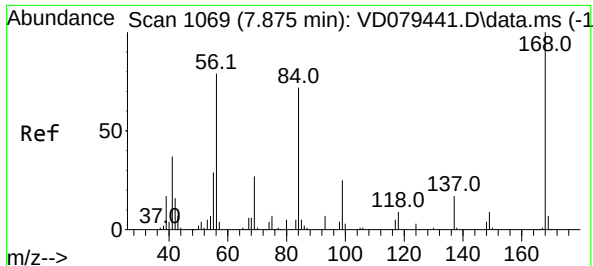
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
Data File : VD079518.D
Acq On : 01 Aug 2024 03:09
Operator : RP/MD
Sample : P3374-16
Misc : 6.94G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

Quant Time: Aug 01 04:48:18 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

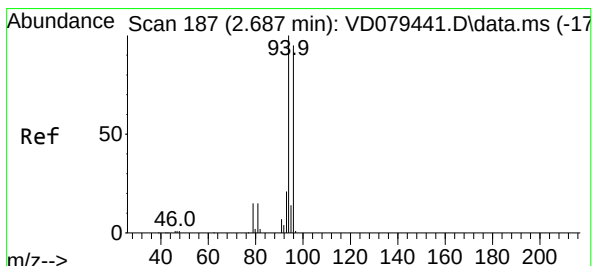
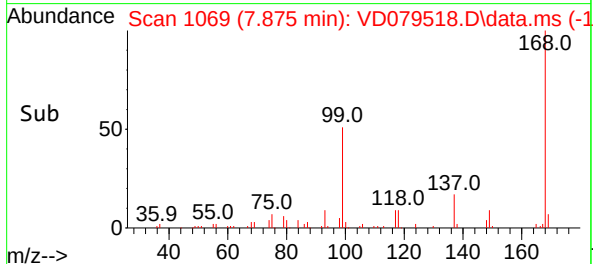
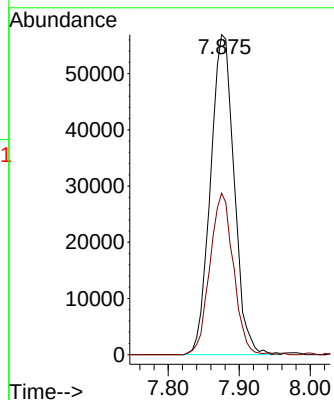
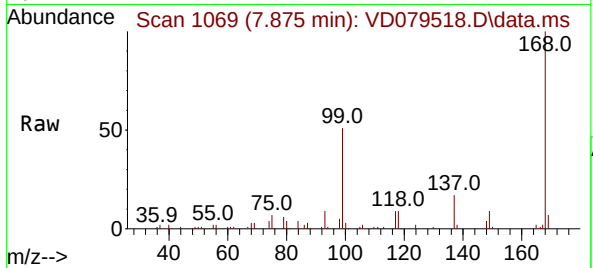




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

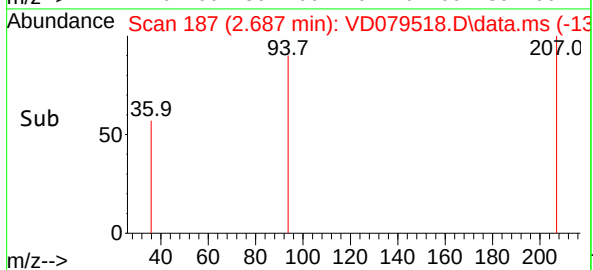
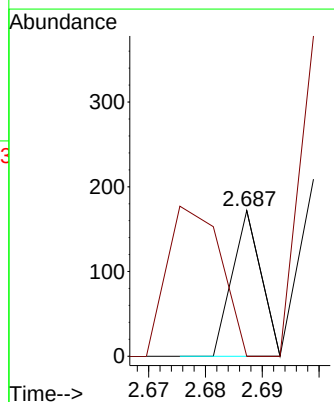
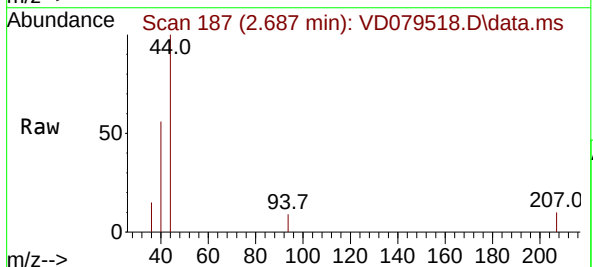
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

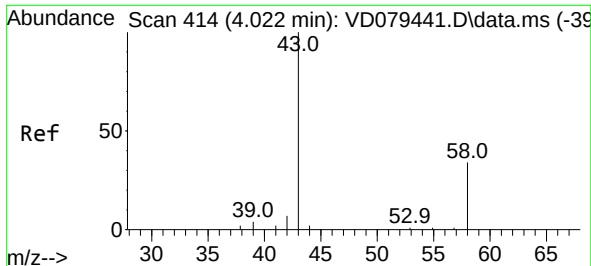
Tgt Ion:168 Resp: 131626
Ion Ratio Lower Upper
168 100
99 50.5 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

Tgt Ion: 94 Resp: 61
Ion Ratio Lower Upper
94 100
96 313.1 76.9 115.3#





#16

Acetone

Concen: 2.671 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD079518.D

Acq: 01 Aug 2024 03:09

Instrument :

MSVOA_D

ClientSampleId :

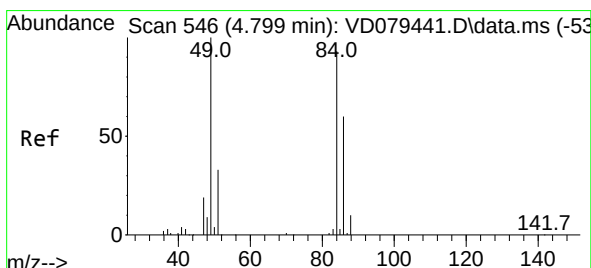
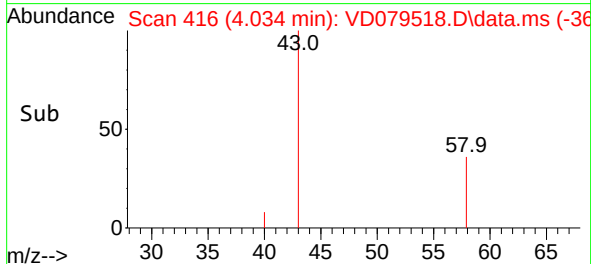
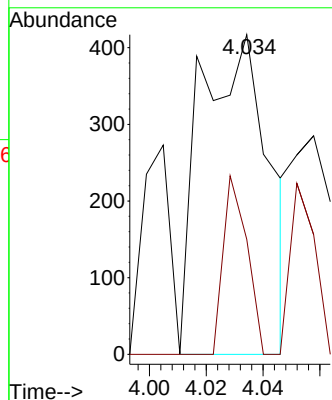
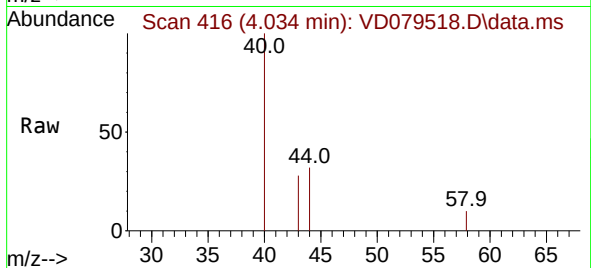
S-847-G1-SO-14.5-15-072024

Tgt Ion: 43 Resp: 694

Ion Ratio Lower Upper

43 100

58 36.0 30.4 45.6



#20

Methylene Chloride

Concen: 15.791 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD079518.D

Acq: 01 Aug 2024 03:09

Tgt Ion: 84 Resp: 49372

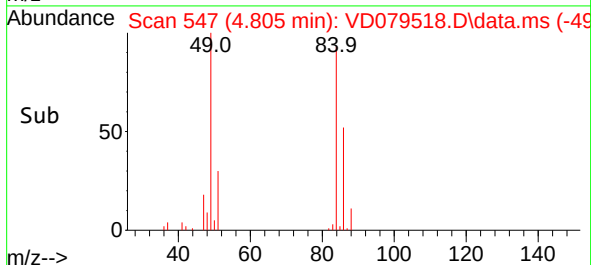
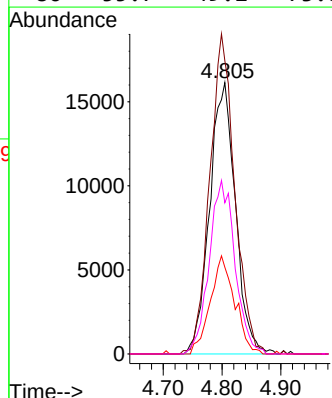
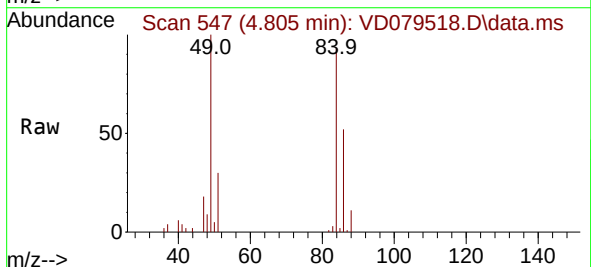
Ion Ratio Lower Upper

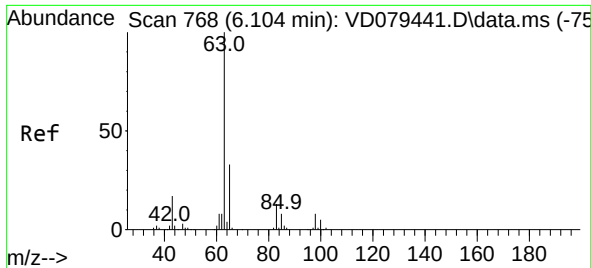
84 100

49 108.1 75.6 113.4

51 32.0 24.2 36.2

86 55.7 49.2 73.8

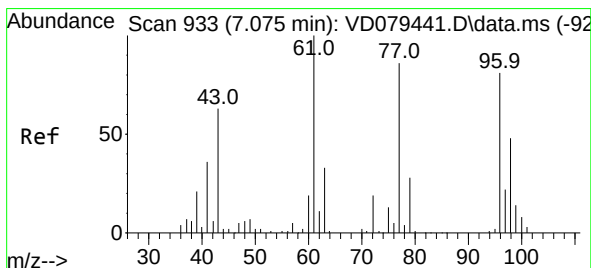
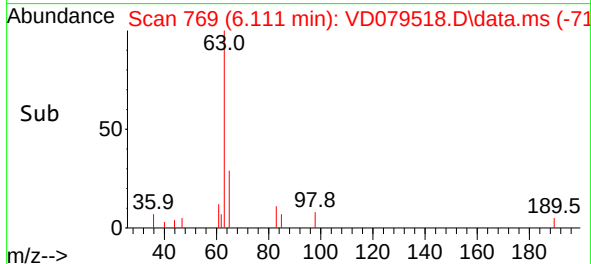
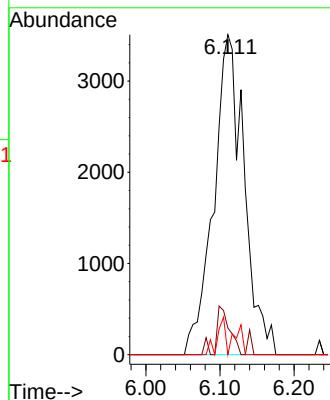
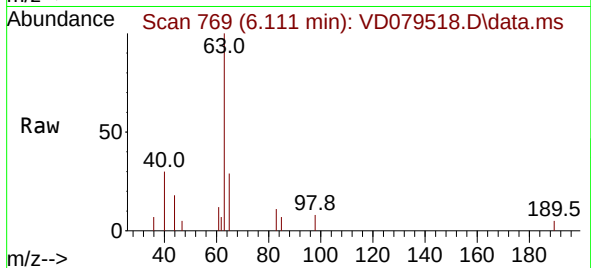




#24
1,1-Dichloroethane
Concen: 3.571 ug/l
RT: 6.111 min Scan# 709
Delta R.T. 0.006 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

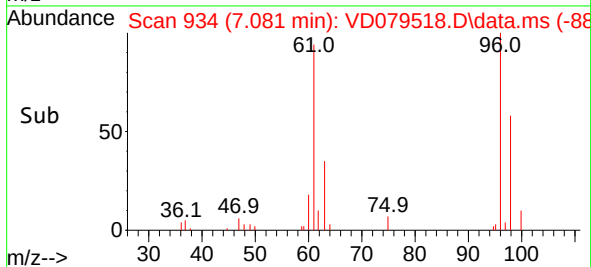
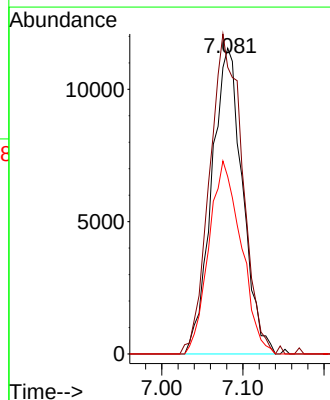
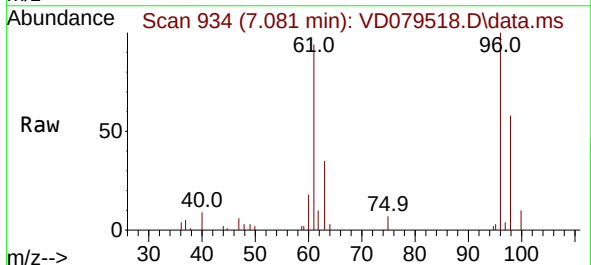
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

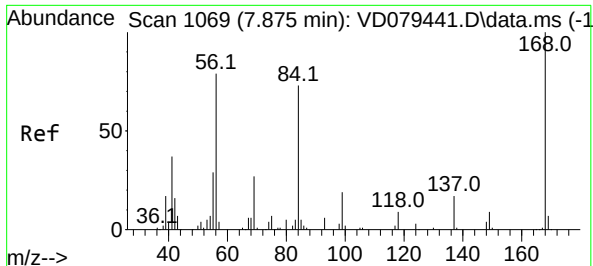
Tgt Ion: 63 Resp: 9999
Ion Ratio Lower Upper
63 100
98 8.3 4.7 14.0
100 0.0 2.9 8.6#



#27
cis-1,2-Dichloroethene
Concen: 16.736 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

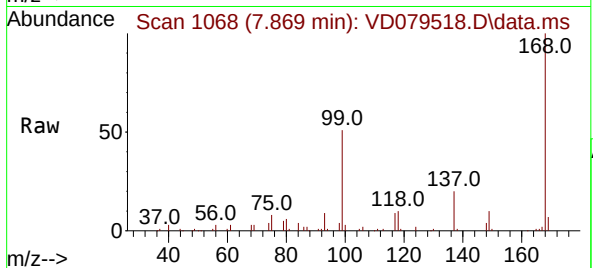
Tgt Ion: 96 Resp: 30563
Ion Ratio Lower Upper
96 100
61 110.9 0.0 229.0
98 66.0 0.0 127.2



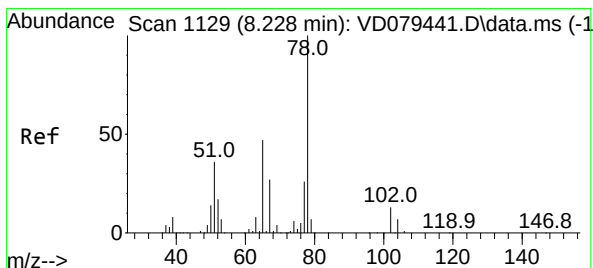
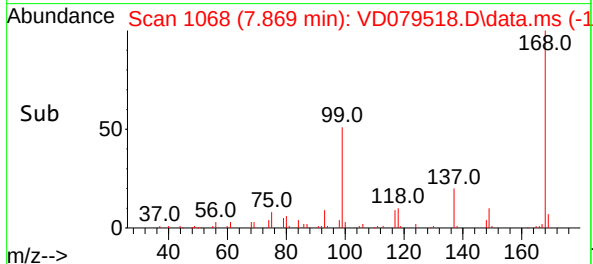
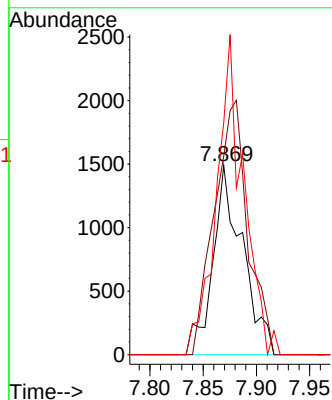


#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.012 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

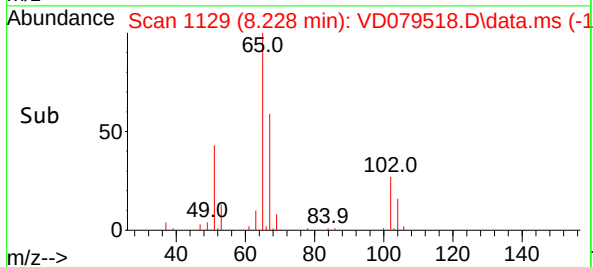
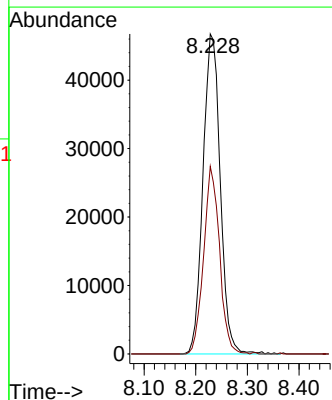
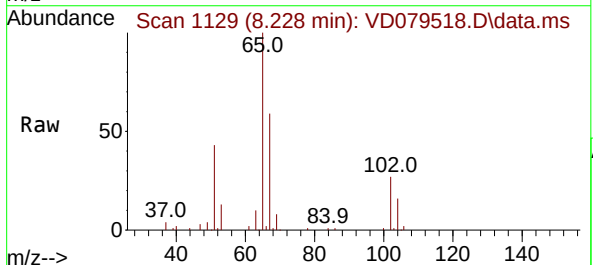


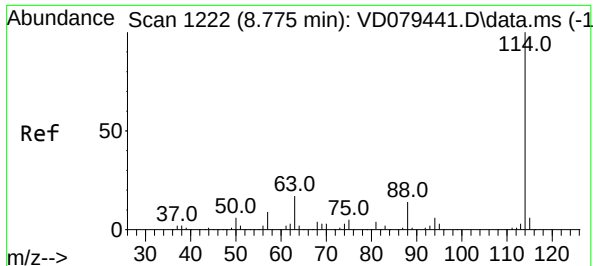
Tgt Ion: 56 Resp: 2883
Ion Ratio Lower Upper
56 100
69 105.0 28.0 42.0#
84 122.5 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 81.076 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

Tgt Ion: 65 Resp: 108415
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.0

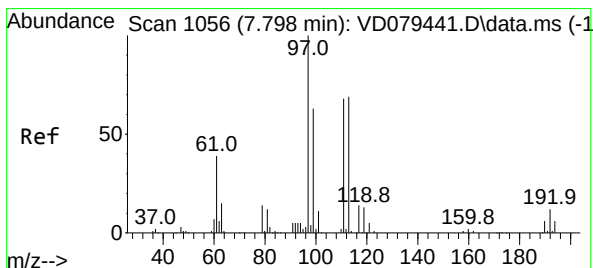
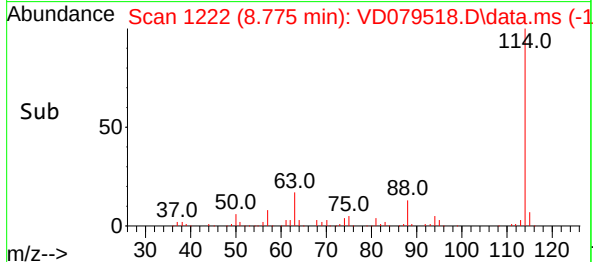
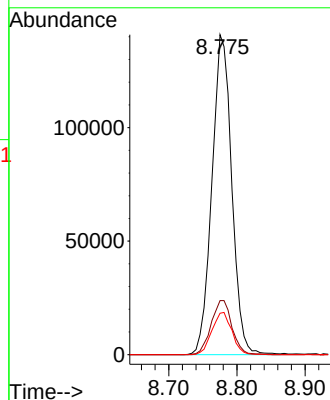
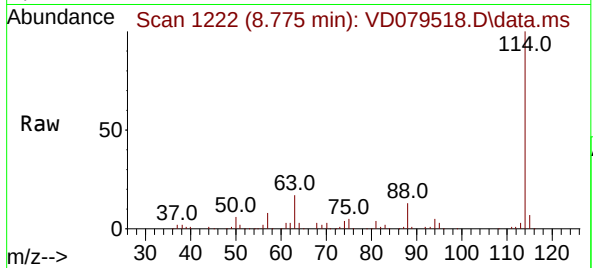




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

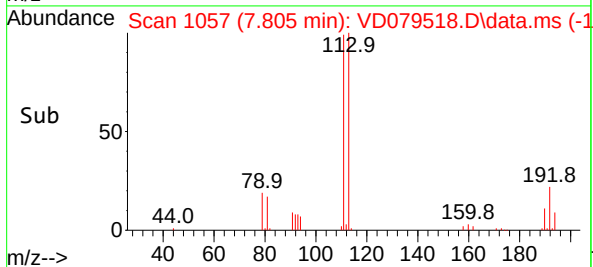
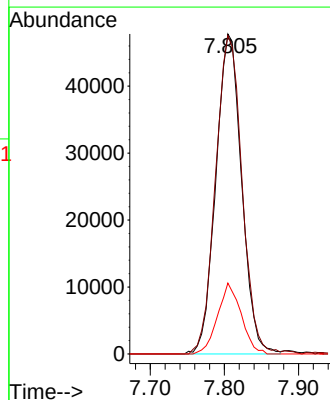
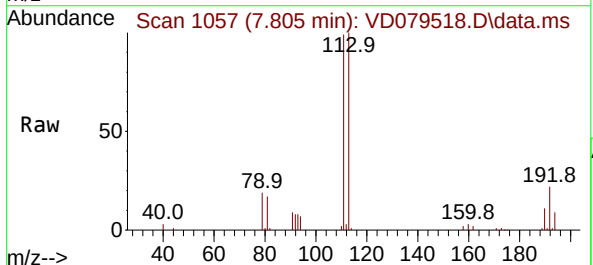
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

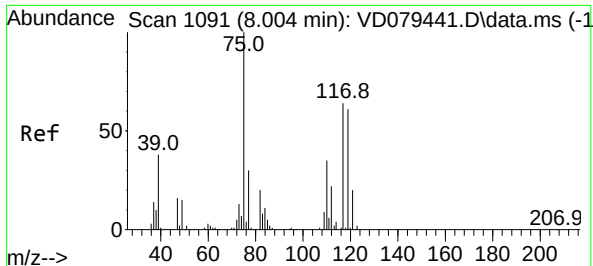
Tgt Ion:114 Resp: 284944
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.0
88 13.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 59.699 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

Tgt Ion:113 Resp: 115137
Ion Ratio Lower Upper
113 100
111 102.6 84.0 126.0
192 20.3 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.706 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079518.D

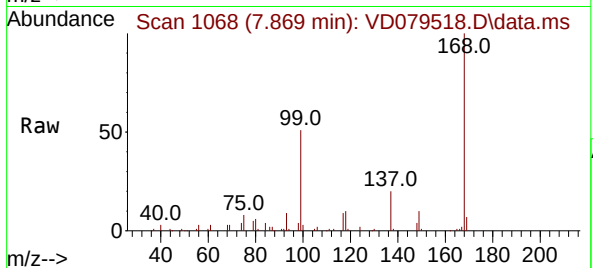
Acq: 01 Aug 2024 03:09

Instrument :

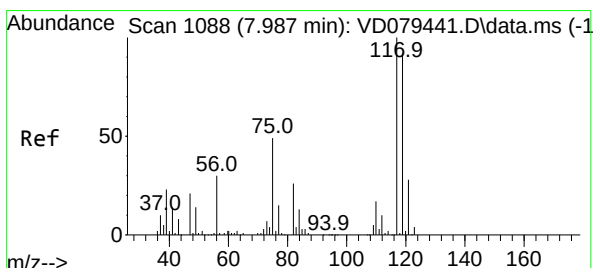
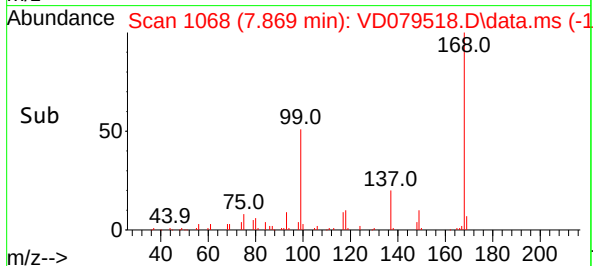
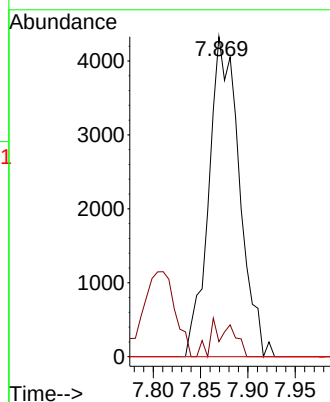
MSVOA_D

ClientSampleId :

S-847-G1-SO-14.5-15-072024



Tgt Ion:	75	Resp:	9756
Ion	Ratio	Lower	Upper
75	100		
110	8.0	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 4.400 ug/l

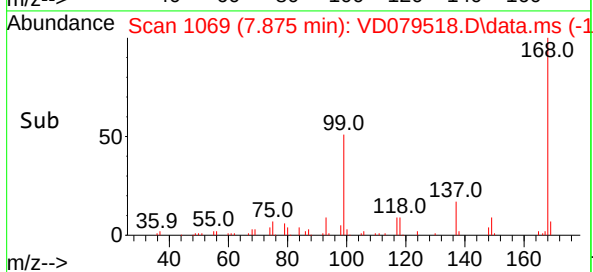
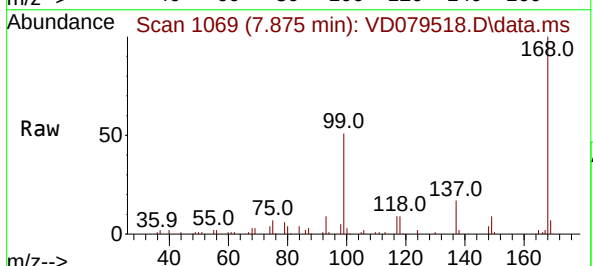
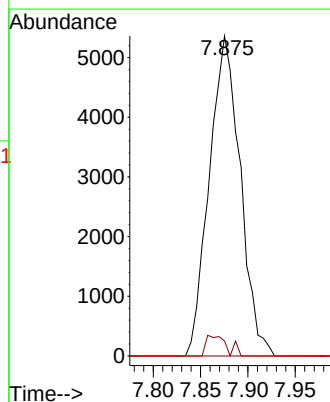
RT: 7.875 min Scan# 1069

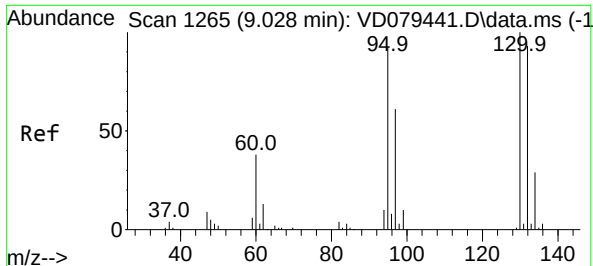
Delta R.T. -0.112 min

Lab File: VD079518.D

Acq: 01 Aug 2024 03:09

Tgt Ion:	117	Resp:	12176
Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.4	113.0#
121	0.0	25.0	37.4#

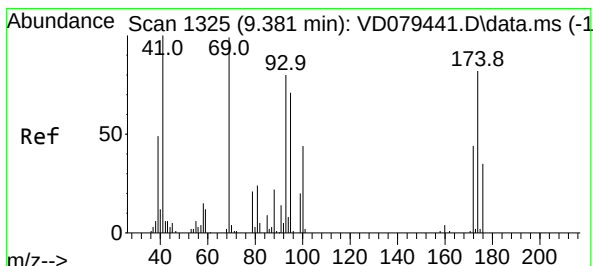
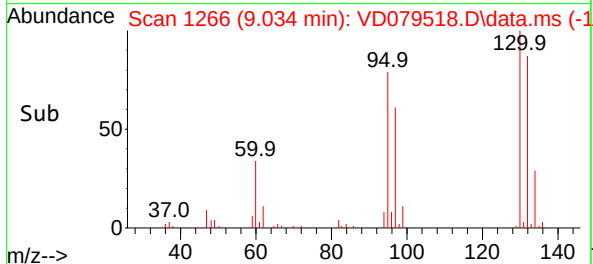
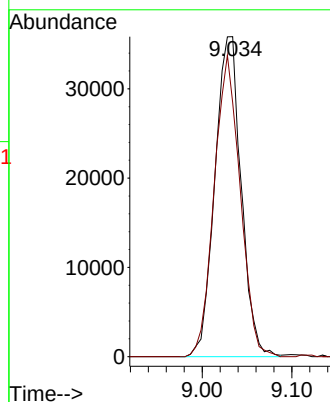
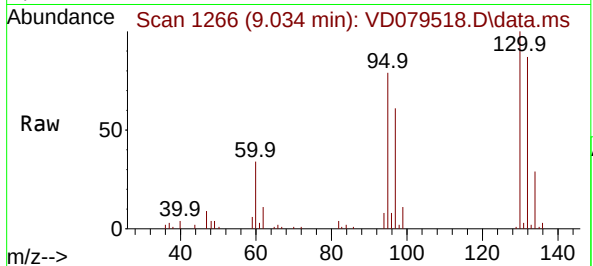




#44
Trichloroethene
Concen: 35.073 ug/l
RT: 9.034 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

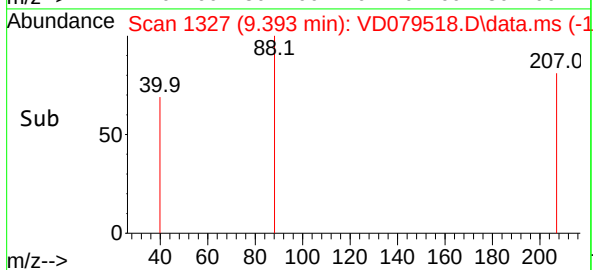
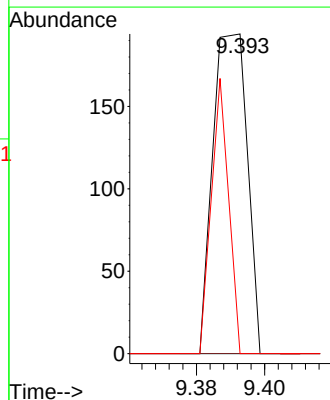
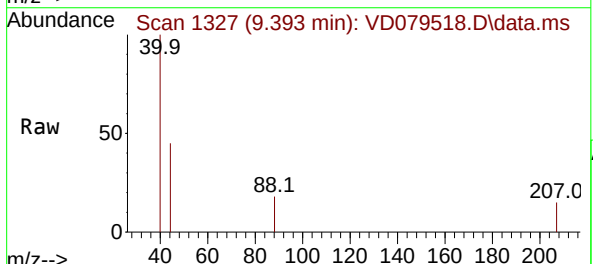
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

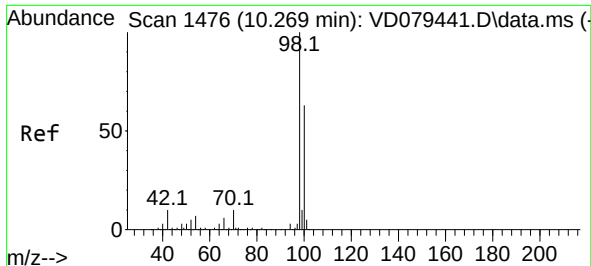
Tgt Ion:130 Resp: 72997
Ion Ratio Lower Upper
130 100
95 79.4 0.0 177.8



#49
1,4-Dioxane
Concen: 11.636 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. 0.000 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

Tgt Ion: 88 Resp: 136
Ion Ratio Lower Upper
88 100
43 0.0 21.5 32.3#
58 43.4 42.2 63.4

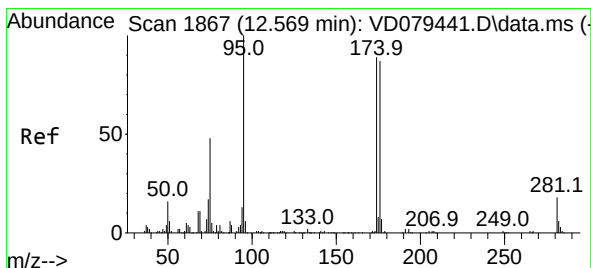
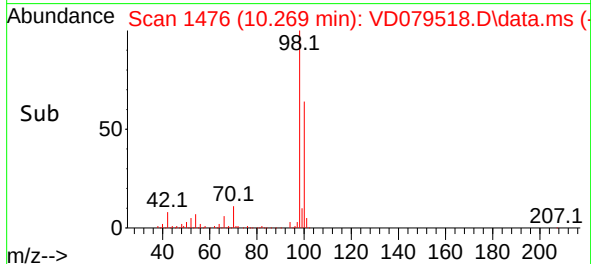
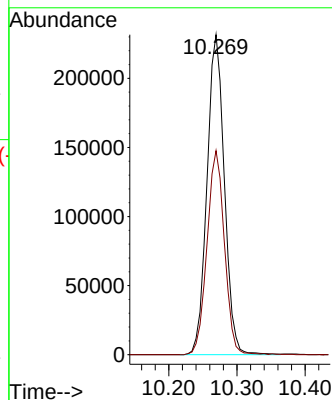
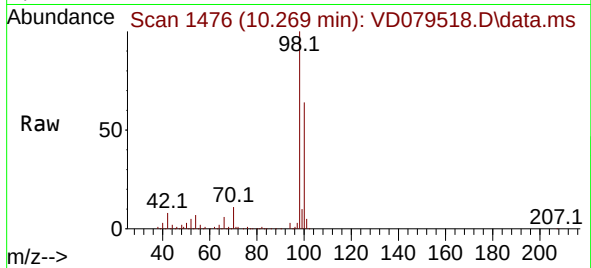




#50
Toluene-d8
Concen: 54.890 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

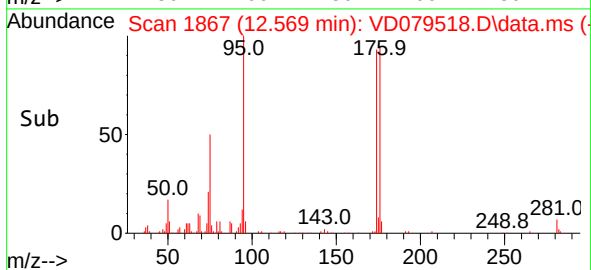
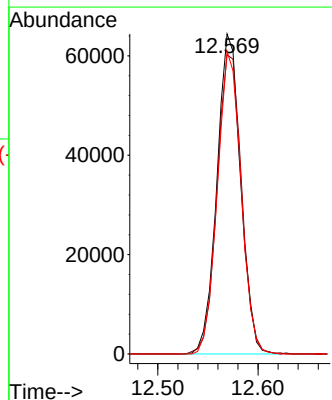
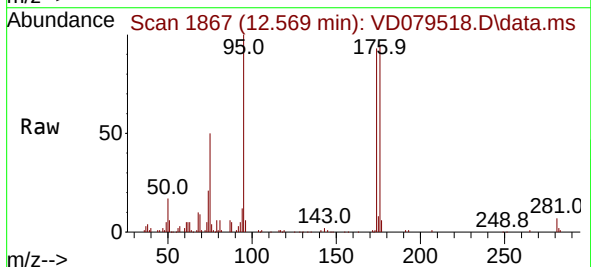
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

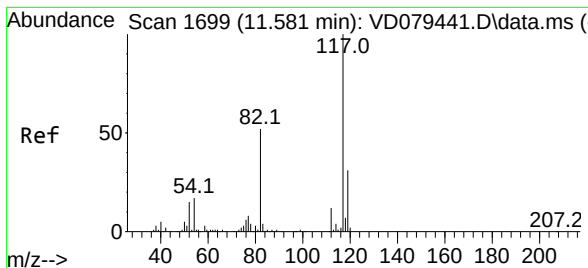
Tgt Ion: 98 Resp: 411103
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 48.636 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

Tgt Ion: 95 Resp: 105411
Ion Ratio Lower Upper
95 100
174 97.1 0.0 195.4
176 94.2 0.0 192.6

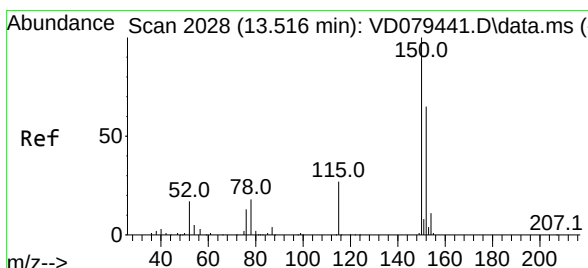
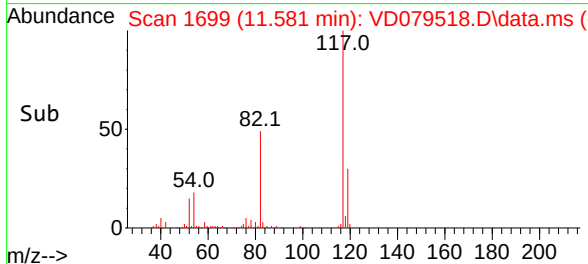
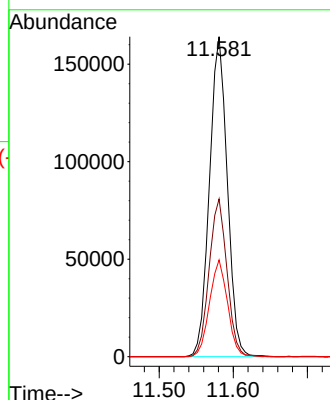
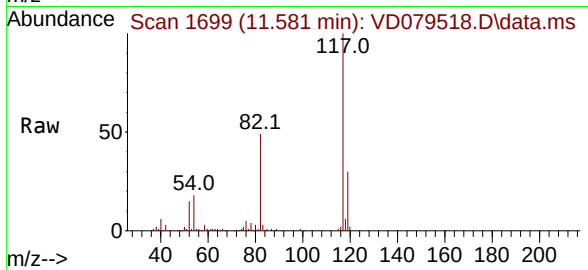




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

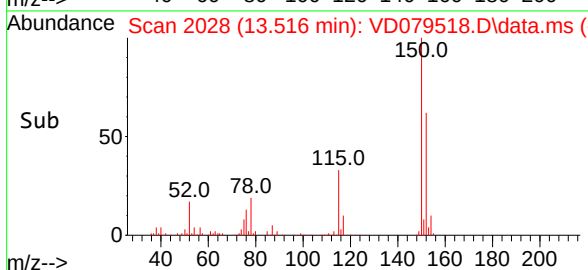
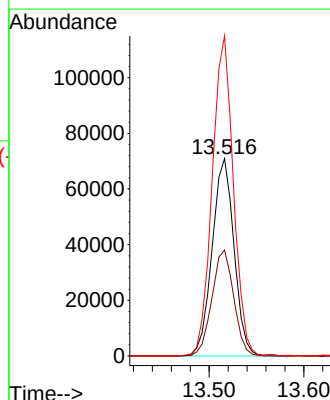
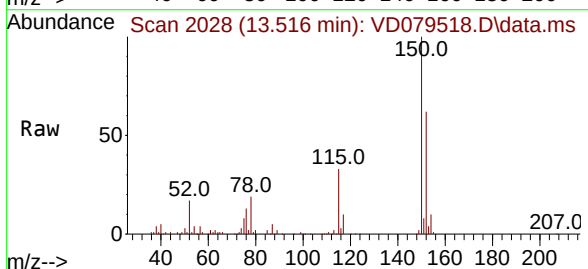
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

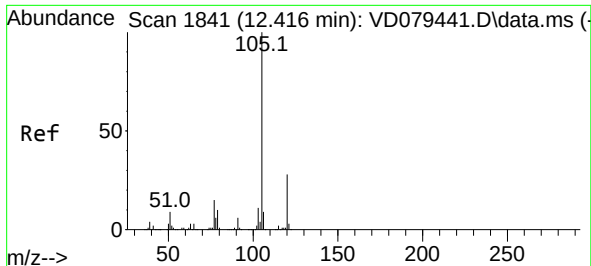
Tgt Ion:117 Resp: 274141
Ion Ratio Lower Upper
117 100
82 49.3 39.8 59.6
119 30.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

Tgt Ion:152 Resp: 113608
Ion Ratio Lower Upper
152 100
115 53.5 26.5 79.5
150 157.2 0.0 341.6

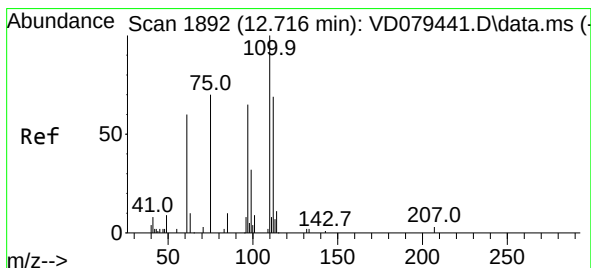
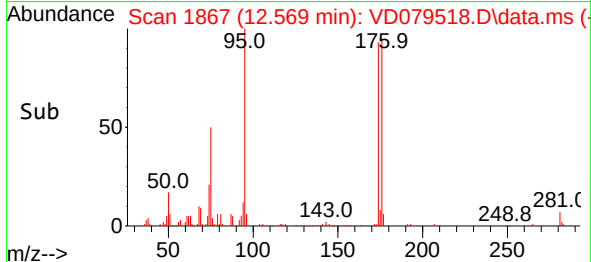
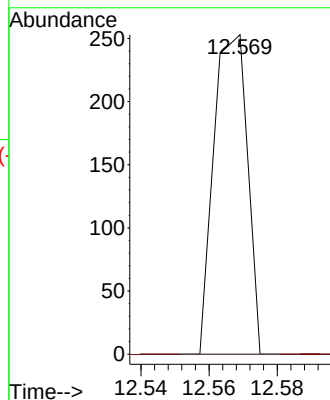
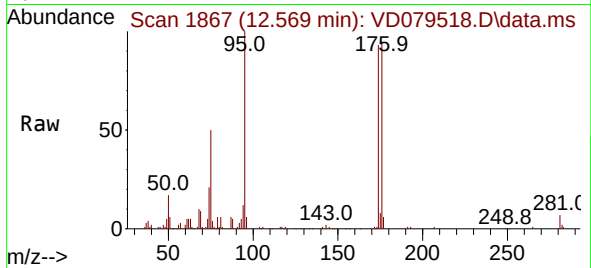




#73
Isopropylbenzene
Concen: 3.647 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.153 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

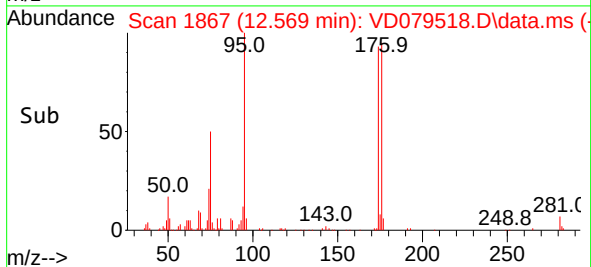
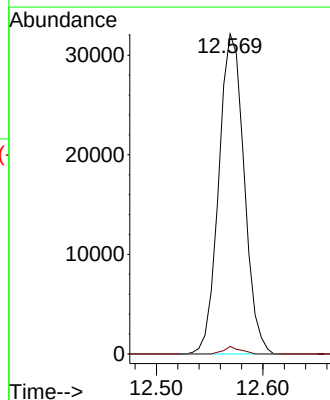
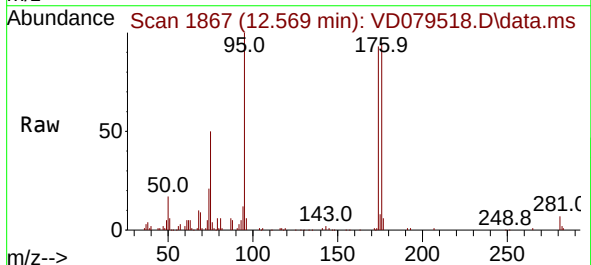
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

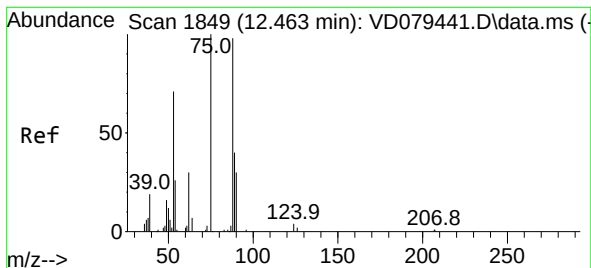
Tgt Ion:105 Resp: 173
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



#76
1,2,3-Trichloropropane
Concen: 53.471 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

Tgt Ion: 75 Resp: 53099
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

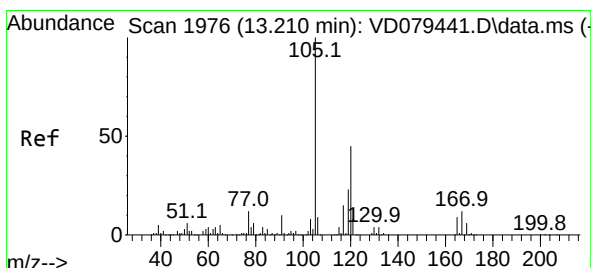
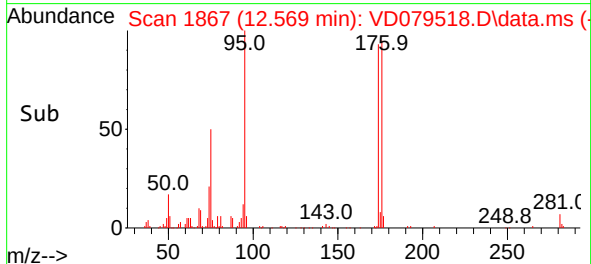
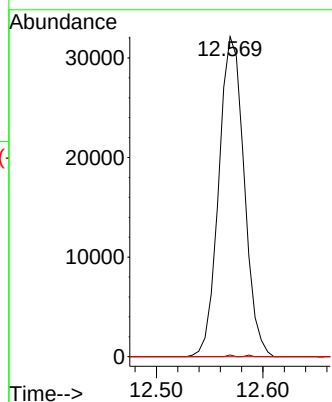
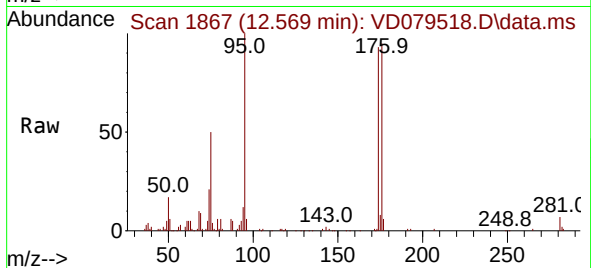




#81
trans-1,4-Dichloro-2-butene
Concen: 101.983 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

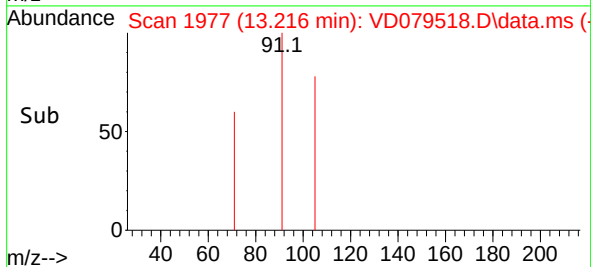
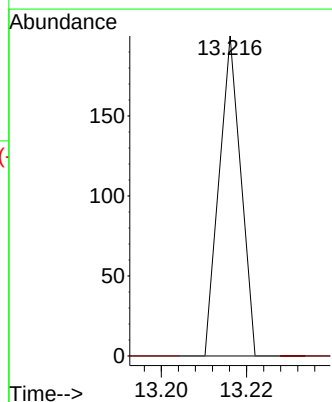
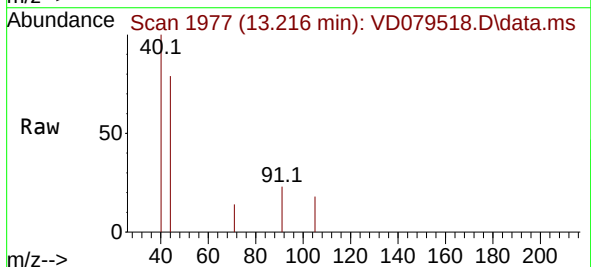
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

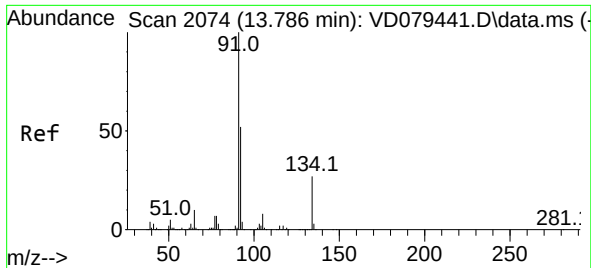
Tgt Ion: 75 Resp: 53099
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.438 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.012 min
Lab File: VD079518.D
Acq: 01 Aug 2024 03:09

Tgt Ion:105 Resp: 71
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#89

n-Butylbenzene

Concen: 3.800 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.259 min

Lab File: VD079518.D

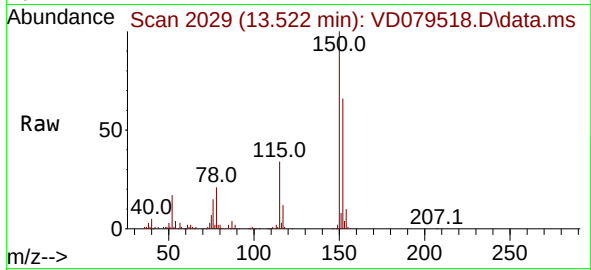
Acq: 01 Aug 2024 03:09

Instrument :

MSVOA_D

ClientSampleId :

S-847-G1-SO-14.5-15-072024



Tgt Ion:	91	Resp:	140
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

