

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079564.D
 Acq On : 03 Aug 2024 03:07
 Operator : RP/MD
 Sample : P3409-04
 Misc : 5.89G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-869-J-SO-2-2.5-073024

Quant Time: Aug 03 04:25:15 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)

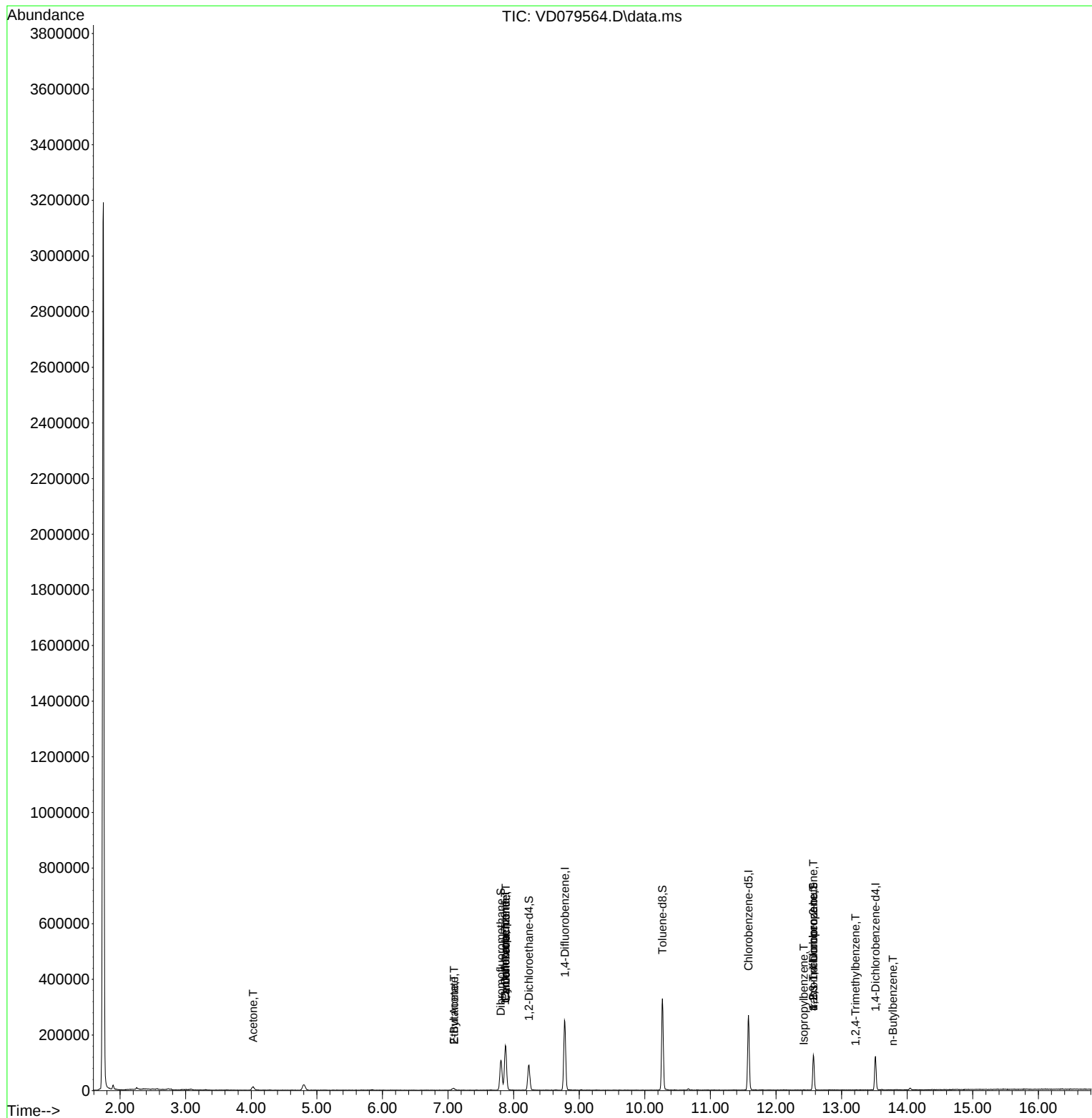
Internal Standards						
1) Pentafluorobenzene	7.875	168	128737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	235147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	160679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	33776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73176	55.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.900%	
35) Dibromofluoromethane	7.805	113	79577	49.999	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.000%	
50) Toluene-d8	10.269	98	236496	38.264	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 76.520%	
62) 4-Bromofluorobenzene	12.569	95	37101	20.743	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 41.480%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	143	Below Cal	#	1
11) Tert butyl alcohol	5.075	59	122	Below Cal	#	86
16) Acetone	4.028	43	20443	80.431	ug/l	97
20) Methylene Chloride	4.805	84	16075	Below Cal	#	84
25) 2-Butanone	7.093	43	6384	17.717	ug/l	96
31) Cyclohexane	7.875	56	2784	1.282	ug/l	# 1
36) 1,1-Dichloropropene	7.869	75	10667	4.910	ug/l	# 48
37) Ethyl Acetate	7.093	43	6384	7.168	ug/l	# 83
38) Carbon Tetrachloride	7.881	117	11803	5.168	ug/l	# 18
73) Isopropylbenzene	12.422	105	280	3.730	ug/l	# 48
76) 1,2,3-Trichloropropane	12.569	75	18720	63.407	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	18720	120.934	ug/l	# 19
84) 1,2,4-Trimethylbenzene	13.210	105	605	3.695	ug/l	# 52
89) n-Butylbenzene	13.781	91	165	3.852	ug/l	# 34

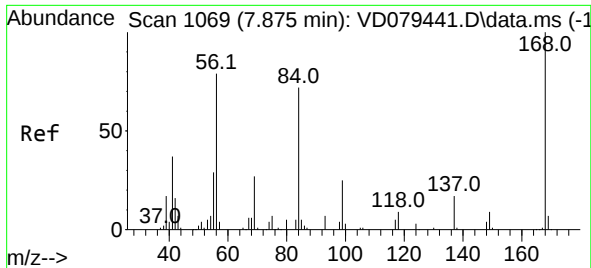
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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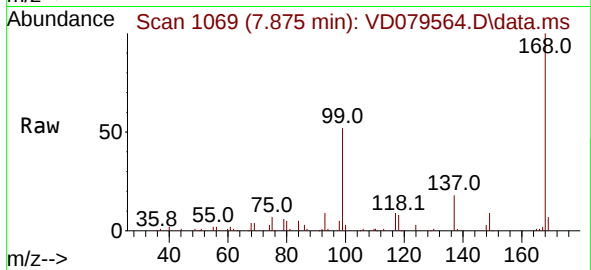
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
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Response via : Initial Calibration



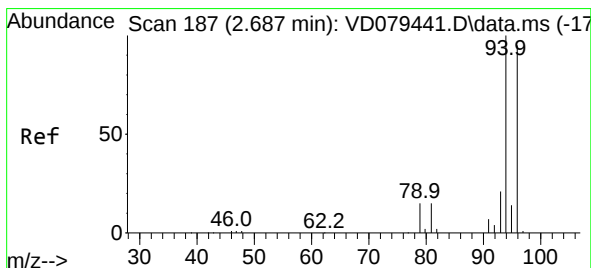
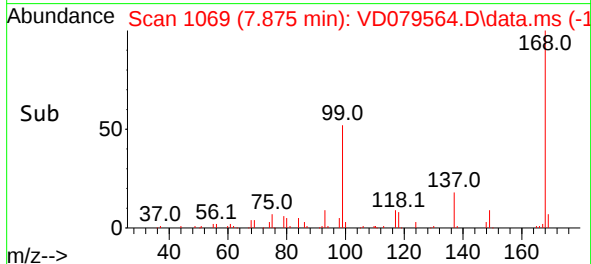
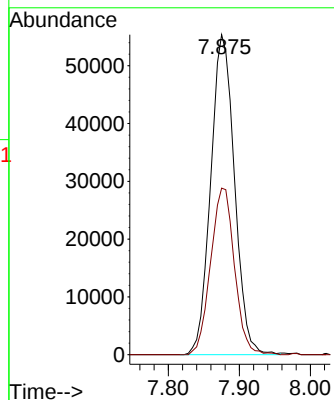


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Instrument :
MSVOA_D
ClientSampleId :
S-869-J-SO-2-2.5-073024

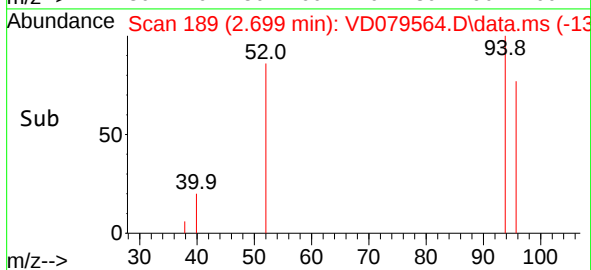
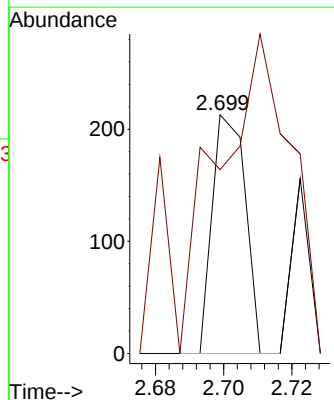
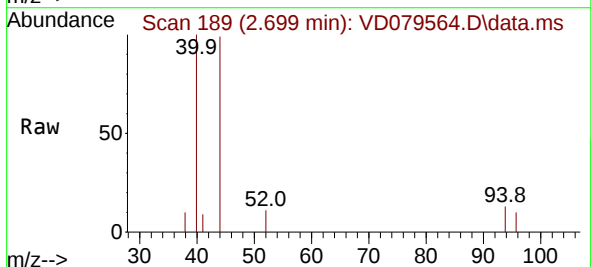


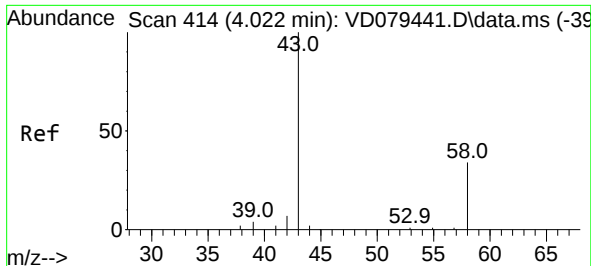
Tgt Ion:168 Resp: 128737
Ion Ratio Lower Upper
168 100
99 52.0 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 294.4 76.9 115.3#

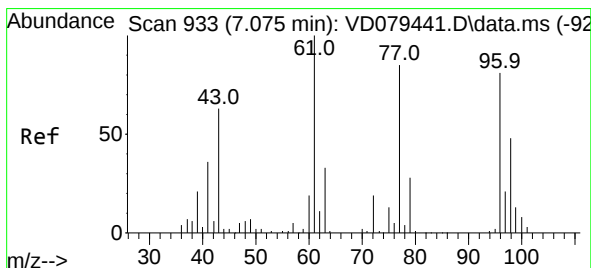
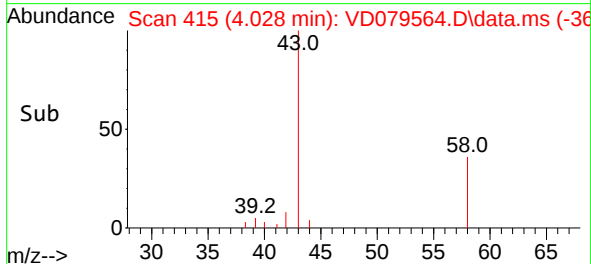
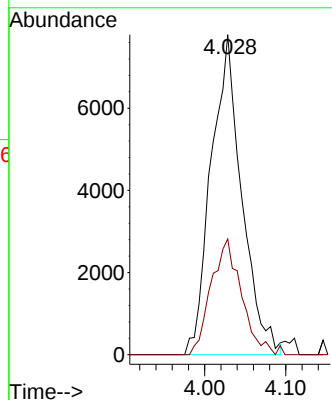
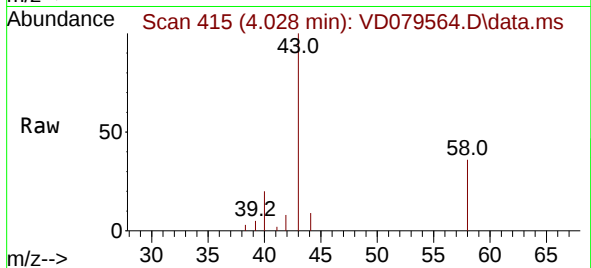




#16
Acetone
Concen: 80.431 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

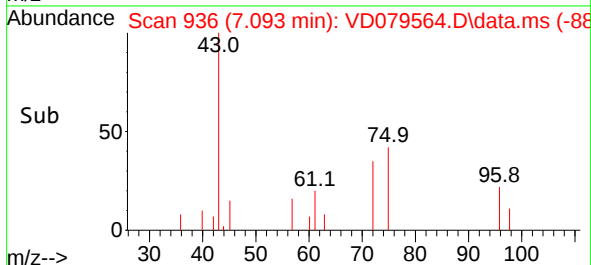
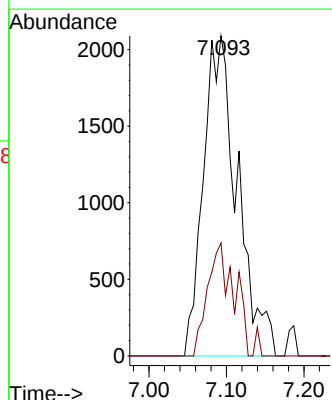
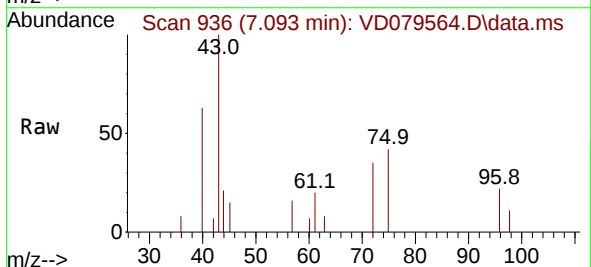
Instrument :
MSVOA_D
ClientSampleId :
S-869-J-SO-2-2.5-073024

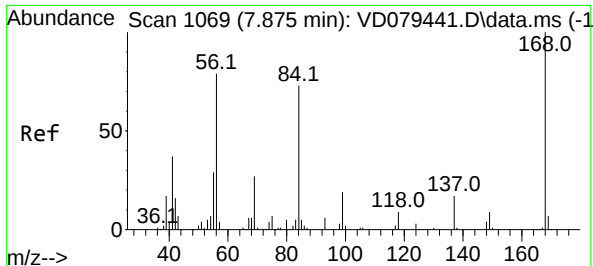
Tgt Ion: 43 Resp: 20443
Ion Ratio Lower Upper
43 100
58 36.2 30.4 45.6



#25
2-Butanone
Concen: 17.717 ug/l
RT: 7.093 min Scan# 936
Delta R.T. -0.000 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

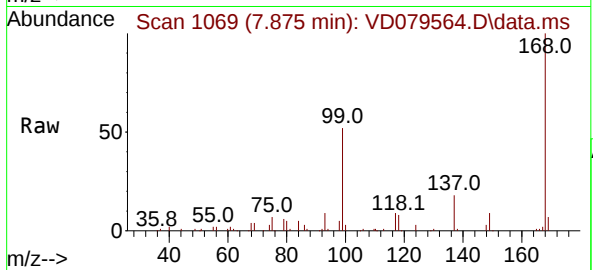
Tgt Ion: 43 Resp: 6384
Ion Ratio Lower Upper
43 100
72 35.3 26.4 39.6



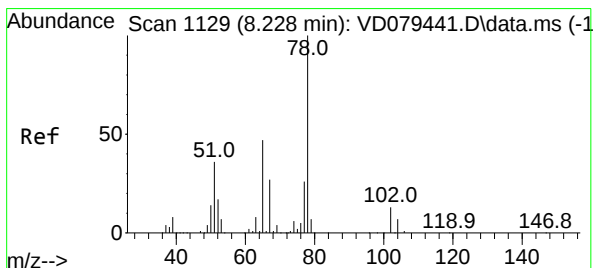
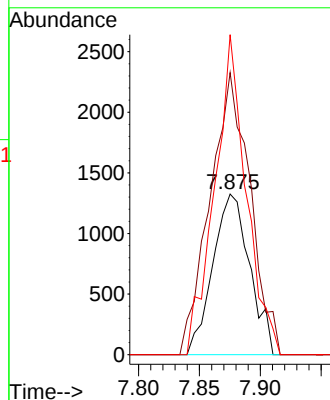
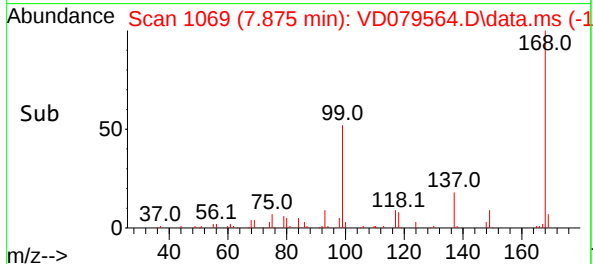


#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Instrument :
MSVOA_D
ClientSampleId :
S-869-J-SO-2-2.5-073024

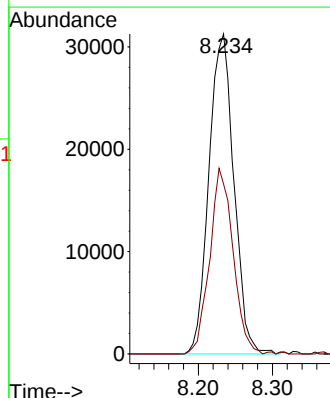
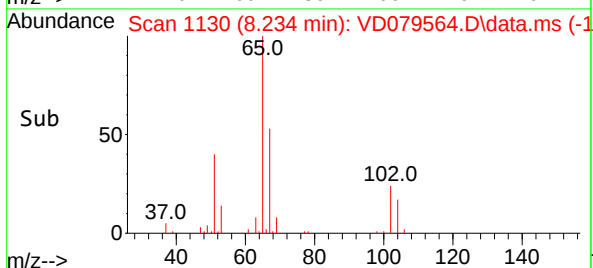
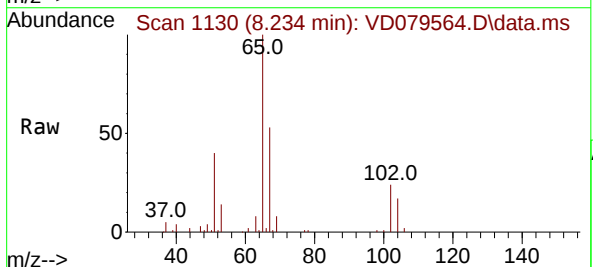


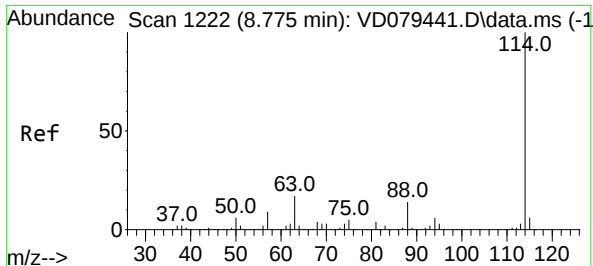
Tgt Ion: 56 Resp: 2784
Ion Ratio Lower Upper
56 100
69 175.6 28.0 42.0#
84 199.2 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 55.952 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Tgt Ion: 65 Resp: 73176
Ion Ratio Lower Upper
65 100
67 54.4 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD079564.D

Acq: 03 Aug 2024 03:07

Instrument :

MSVOA_D

ClientSampleId :

S-869-J-SO-2-2.5-073024

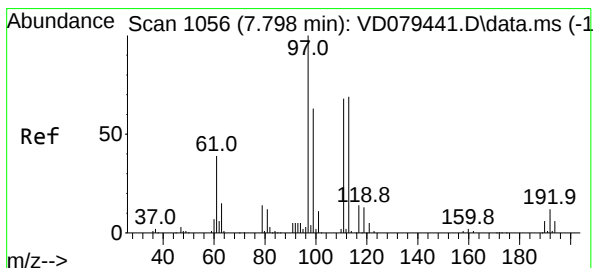
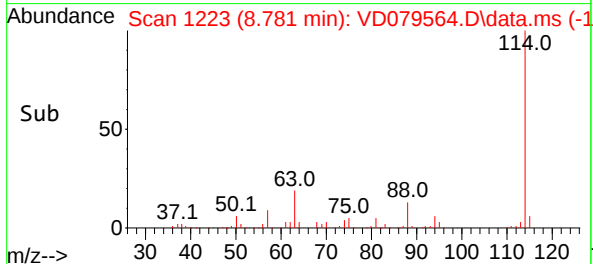
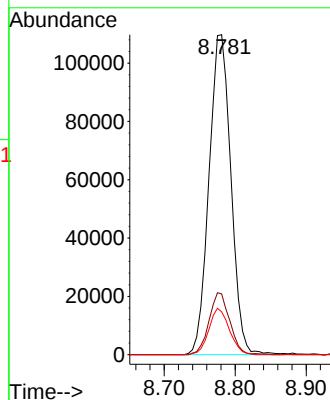
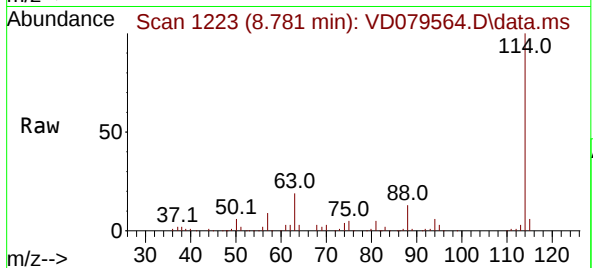
Tgt Ion:114 Resp: 235147

Ion Ratio Lower Upper

114 100

63 19.0 0.0 34.0

88 13.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.999 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079564.D

Acq: 03 Aug 2024 03:07

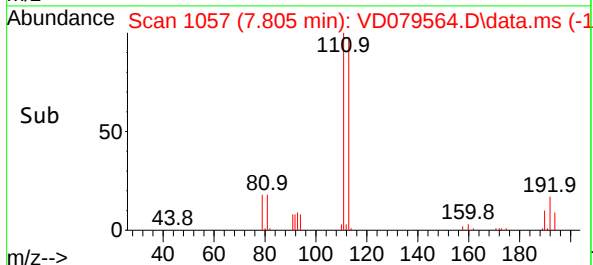
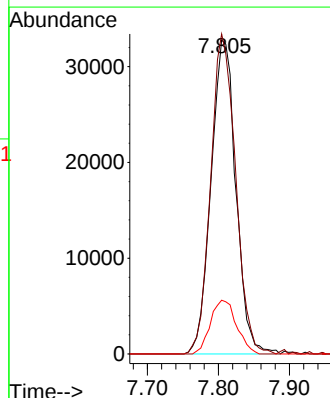
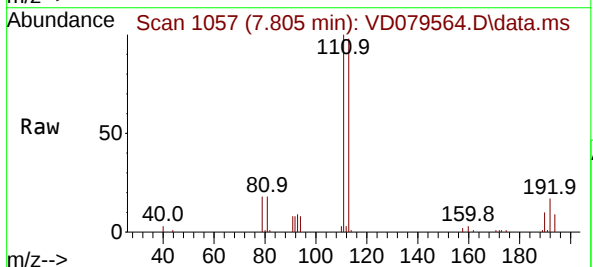
Tgt Ion:113 Resp: 79577

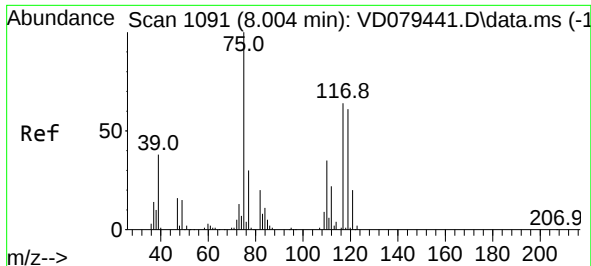
Ion Ratio Lower Upper

113 100

111 102.1 84.0 126.0

192 18.0 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.910 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079564.D

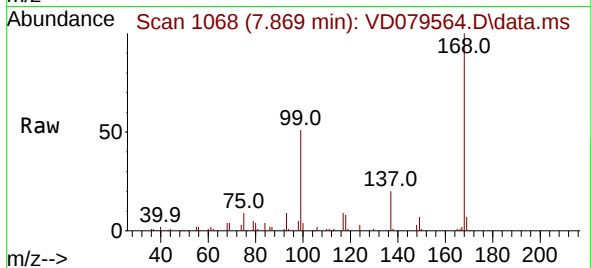
Acq: 03 Aug 2024 03:07

Instrument :

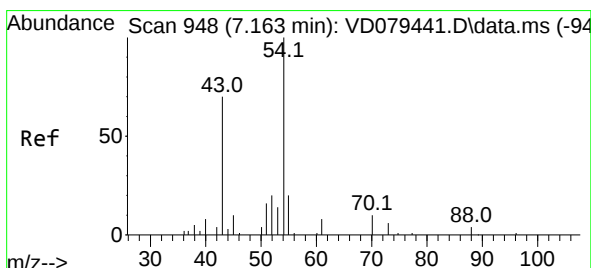
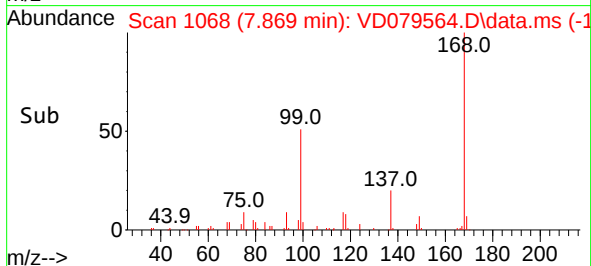
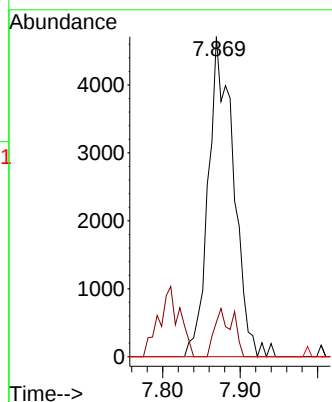
MSVOA_D

ClientSampleId :

S-869-J-SO-2-2.5-073024



Tgt Ion:	75	Resp:	10667
Ion Ratio	Lower	Upper	
75	100		
110	10.7	19.6	58.7#
77	0.0	26.1	39.1#



#37

Ethyl Acetate

Concen: 7.168 ug/l

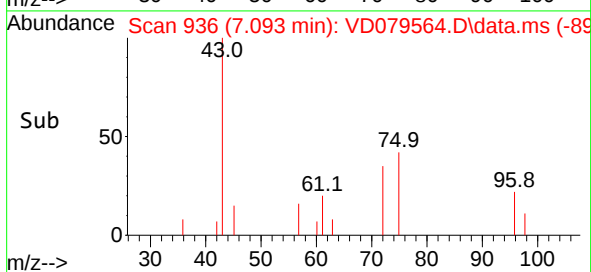
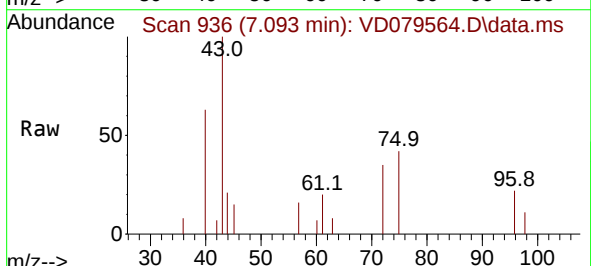
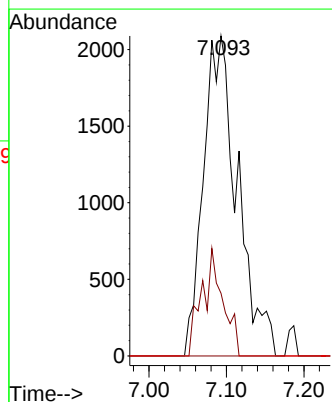
RT: 7.093 min Scan# 936

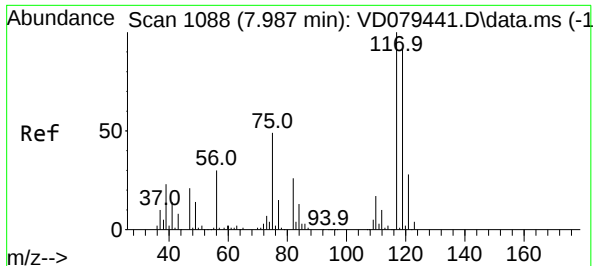
Delta R.T. -0.082 min

Lab File: VD079564.D

Acq: 03 Aug 2024 03:07

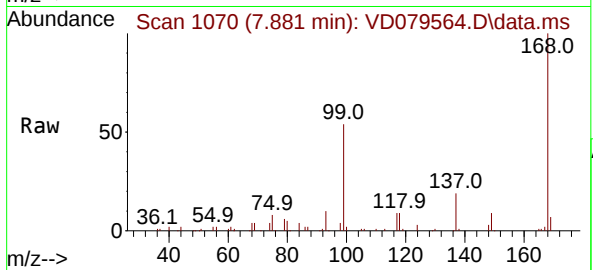
Tgt Ion:	43	Resp:	6384
Ion Ratio	Lower	Upper	
43	100		
61	20.8	13.9	20.9
70	0.0	9.8	14.6#



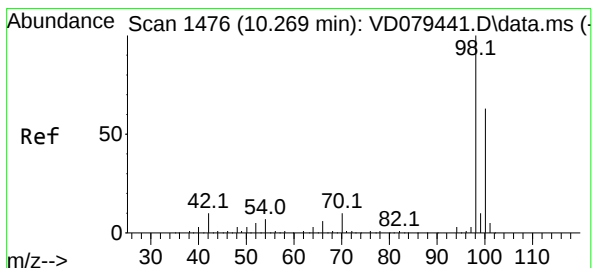
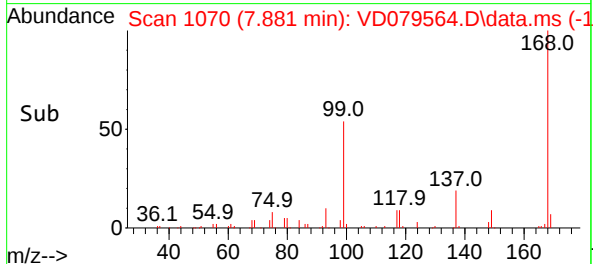
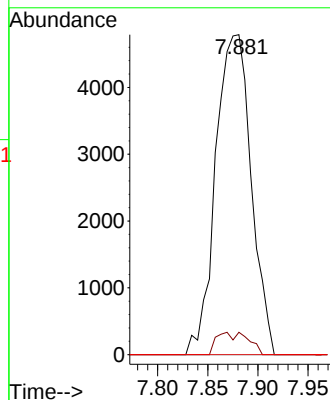


#38
Carbon Tetrachloride
Concen: 5.168 ug/l
RT: 7.881 min Scan# 11803
Delta R.T. -0.106 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Instrument :
MSVOA_D
ClientSampleId :
S-869-J-SO-2-2.5-073024

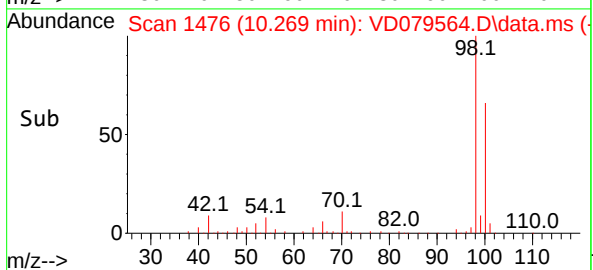
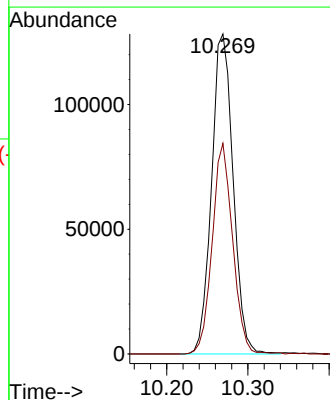
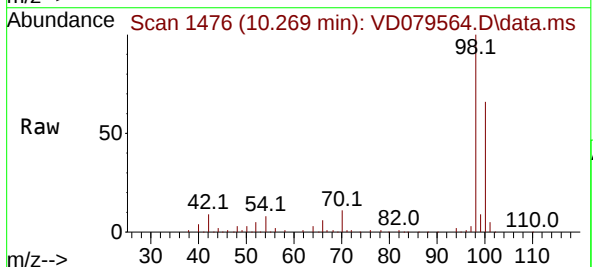


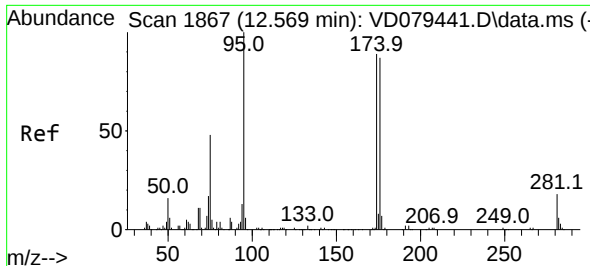
Tgt Ion:117 Resp: 11803
Ion Ratio Lower Upper
117 100
119 7.0 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 38.264 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Tgt Ion: 98 Resp: 236496
Ion Ratio Lower Upper
98 100
100 62.5 51.6 77.4

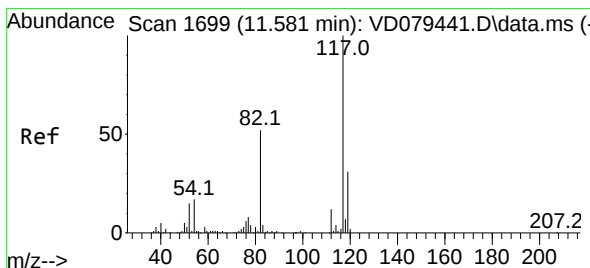
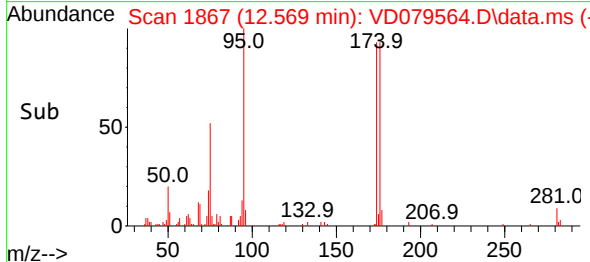
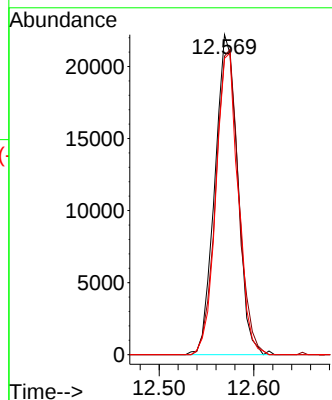
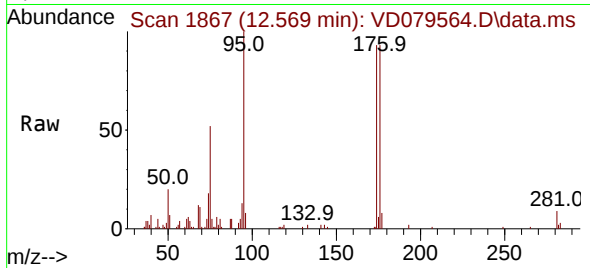




#62
4-Bromofluorobenzene
Concen: 20.743 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

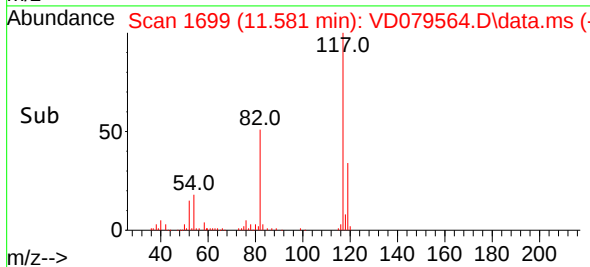
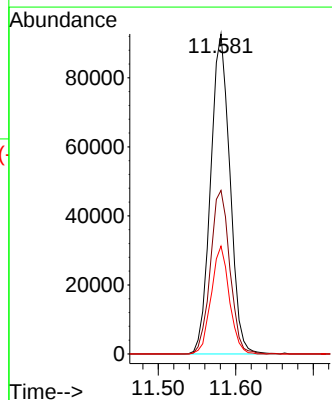
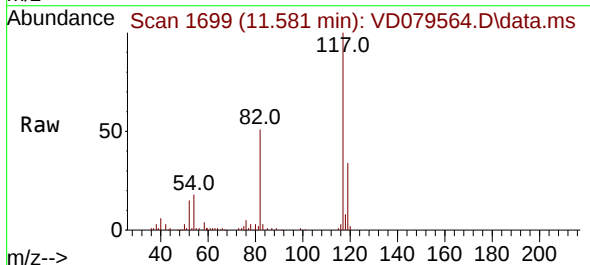
Instrument :
MSVOA_D
ClientSampleId :
S-869-J-SO-2-2.5-073024

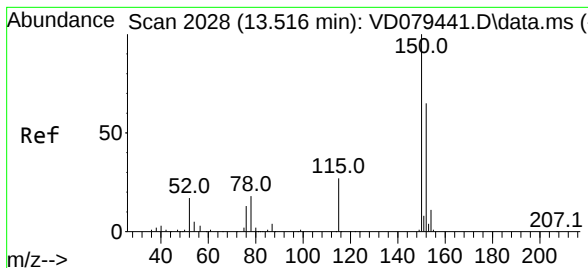
Tgt Ion:	95	Resp:	37101
Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	195.4
176	91.9	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Tgt Ion:	117	Resp:	160679
Ion	Ratio	Lower	Upper
117	100		
82	51.1	39.8	59.6
119	33.7	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: VD079564.D

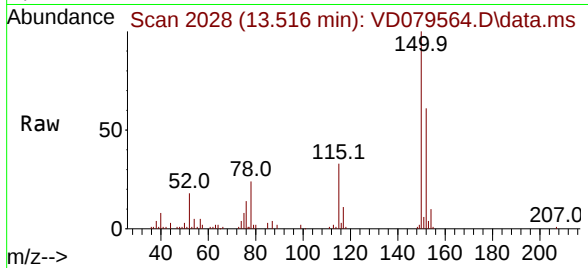
Acq: 03 Aug 2024 03:07

Instrument :

MSVOA_D

ClientSampleId :

S-869-J-SO-2-2.5-073024



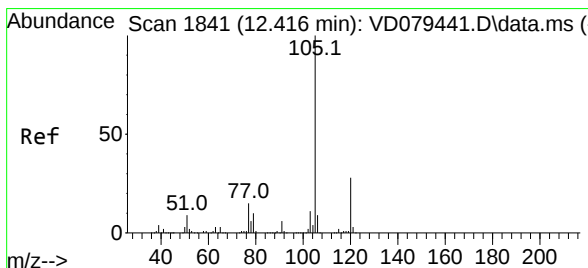
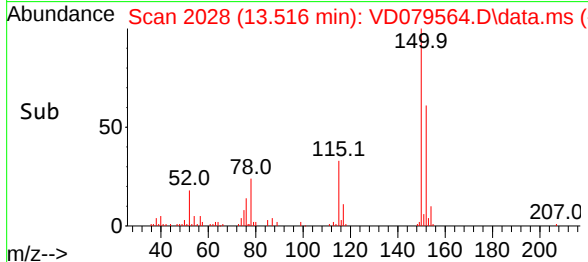
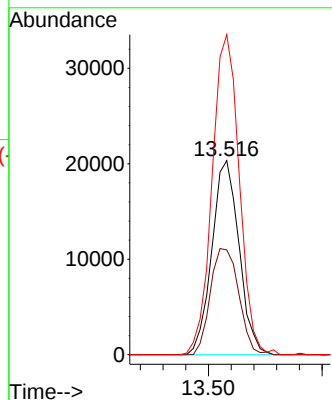
Tgt Ion:152 Resp: 33776

Ion Ratio Lower Upper

152 100

115 57.1 26.5 79.5

150 164.5 0.0 341.6



#73

Isopropylbenzene

Concen: 3.730 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079564.D

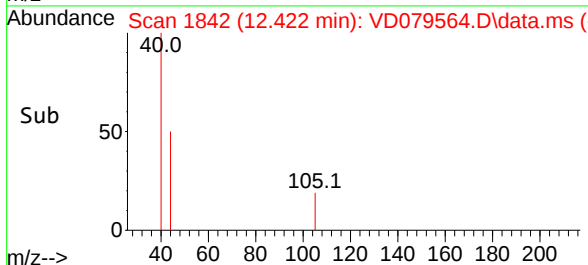
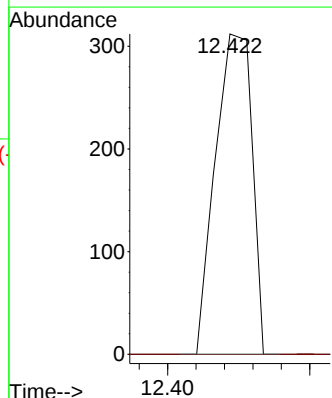
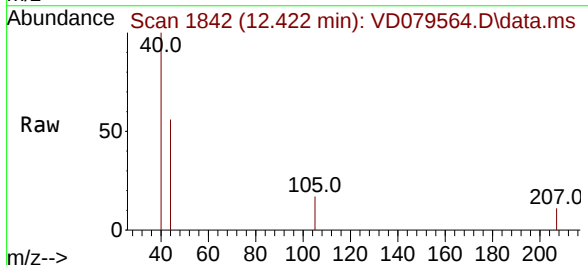
Acq: 03 Aug 2024 03:07

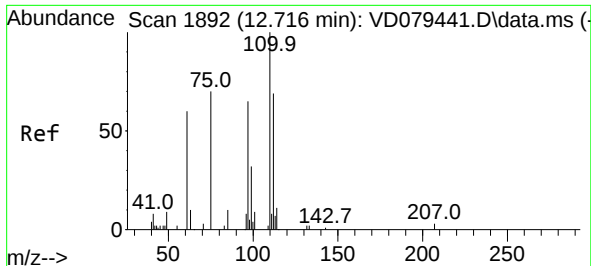
Tgt Ion:105 Resp: 280

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

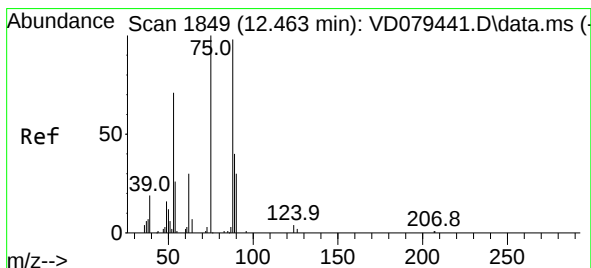
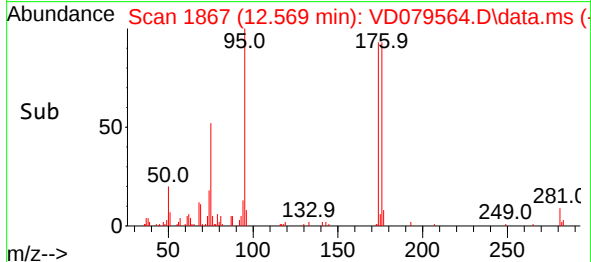
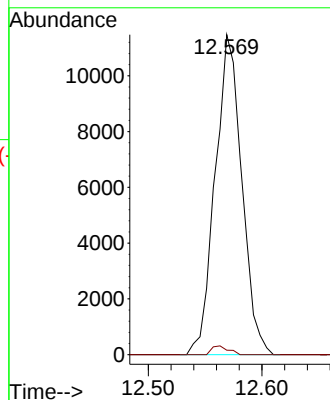
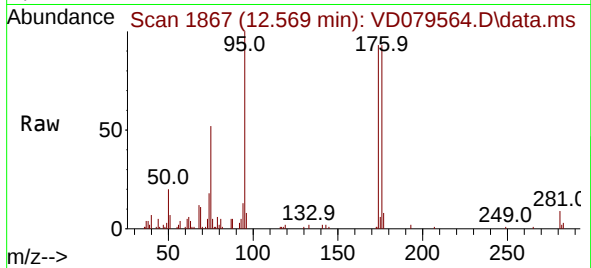




#76
1,2,3-Trichloropropane
Concen: 63.407 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

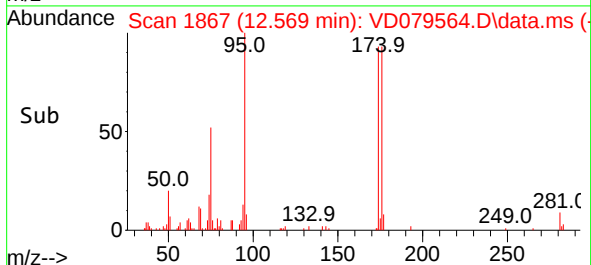
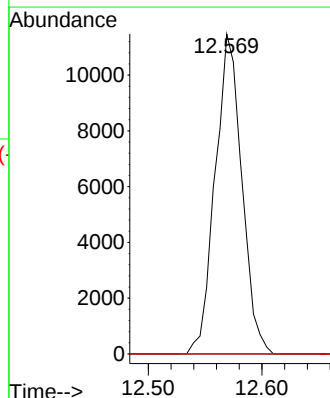
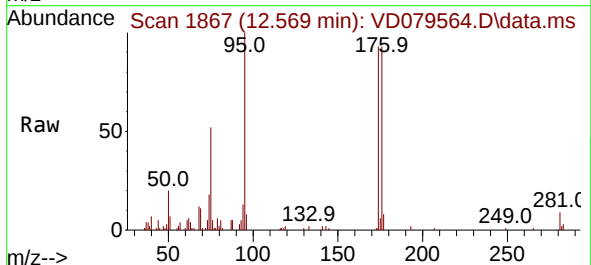
Instrument :
MSVOA_D
ClientSampleId :
S-869-J-SO-2-2.5-073024

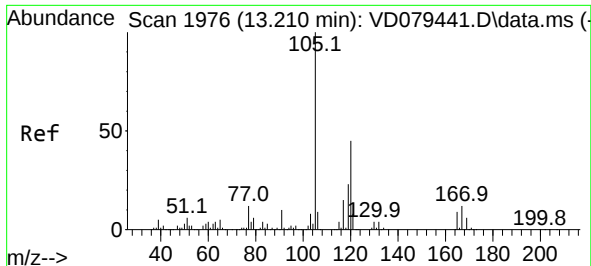
Tgt Ion: 75 Resp: 18720
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.934 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Tgt Ion: 75 Resp: 18720
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

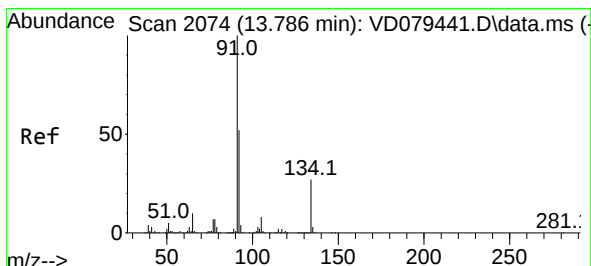
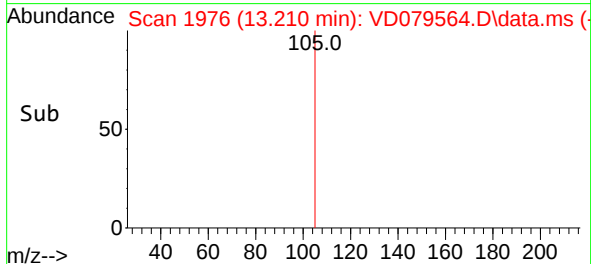
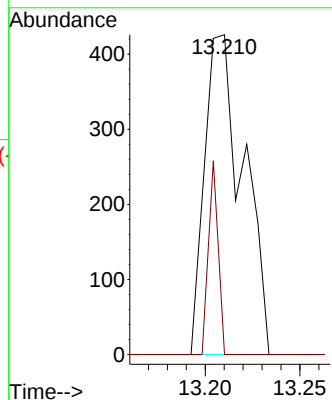
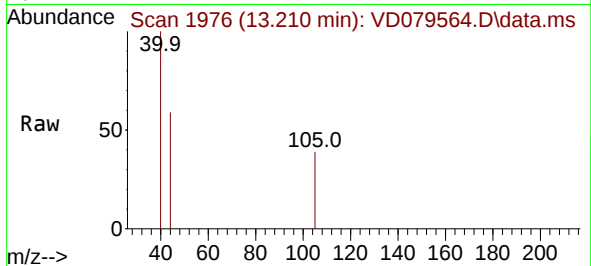




#84
1,2,4-Trimethylbenzene
Concen: 3.695 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Instrument :
MSVOA_D
ClientSampleId :
S-869-J-SO-2-2.5-073024

Tgt Ion:105 Resp: 605
Ion Ratio Lower Upper
105 100
120 15.0 23.6 71.0#



#89
n-Butylbenzene
Concen: 3.852 ug/l
RT: 13.781 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VD079564.D
Acq: 03 Aug 2024 03:07

Tgt Ion: 91 Resp: 165
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

