

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079513.D
 Acq On : 01 Aug 2024 00:52
 Operator : RP/MD
 Sample : P3374-11
 Misc : 8.44G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-862-K2-SO-13.5-14-072024

Quant Time: Aug 01 02:55:24 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)

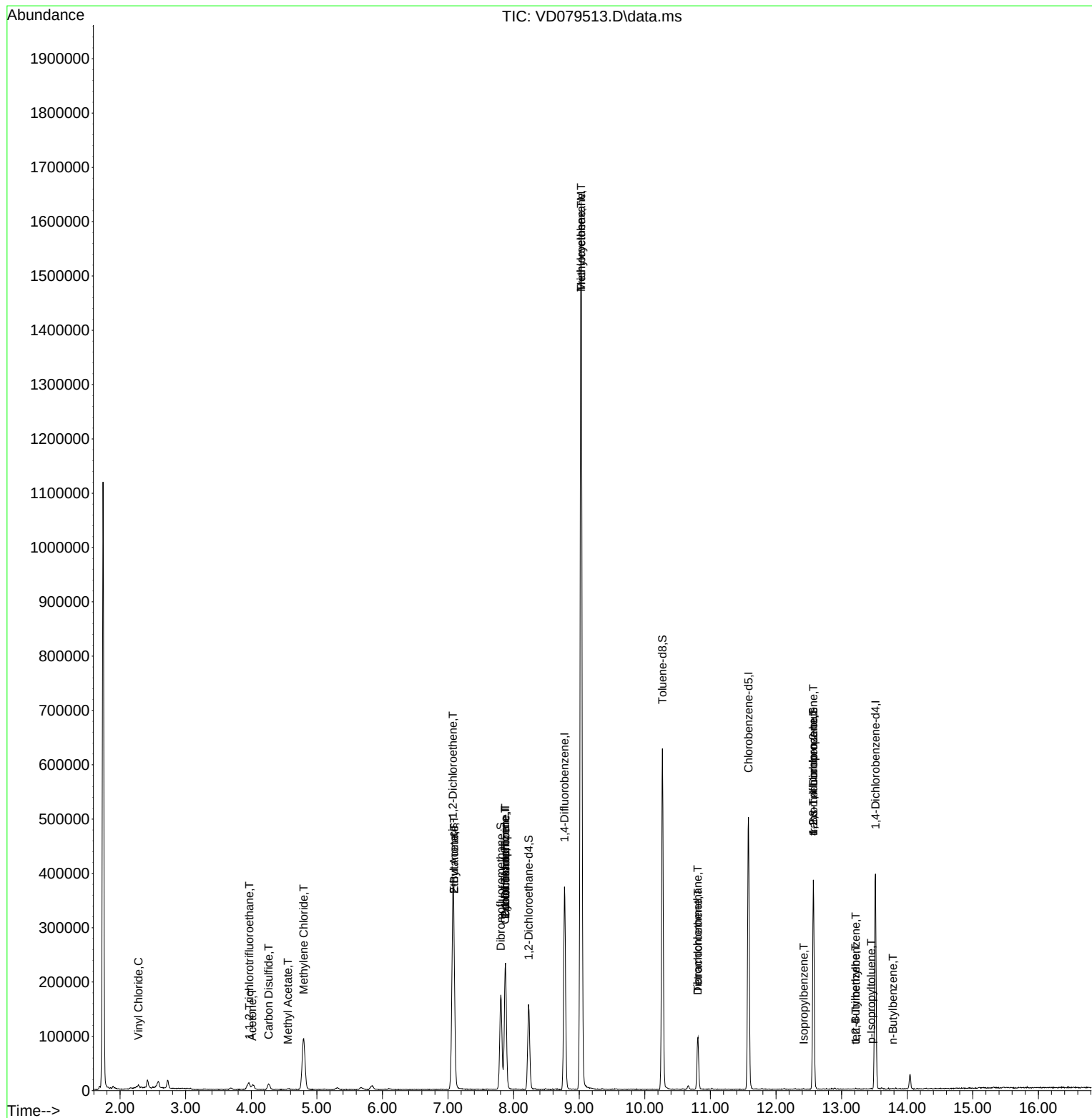
Internal Standards						
1) Pentafluorobenzene	7.875	168	187922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	343051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	306810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	116163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	118693	62.172	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.340%	
35) Dibromofluoromethane	7.805	113	128169	55.199	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.400%	
50) Toluene-d8	10.269	98	437943	48.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.140%	
62) 4-Bromofluorobenzene	12.569	95	103362	39.613	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.220%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.281	62	4474	1.387	ug/l	95
5) Bromomethane	2.670	94	600	Below Cal	#	1
9) 1,1,2-Trichlorotrifluo...	3.969	101	8476	4.177	ug/l	92
11) Tert butyl alcohol	5.069	59	56	Below Cal	#	86
16) Acetone	4.017	43	15352	41.378	ug/l	94
17) Carbon Disulfide	4.264	76	21995	3.282	ug/l	100
18) Methyl Acetate	4.558	43	3276	2.844	ug/l #	61
20) Methylene Chloride	4.799	84	77291	19.613	ug/l	93
25) 2-Butanone	7.093	43	6212	11.810	ug/l #	54
27) cis-1,2-Dichloroethene	7.075	96	257101	98.610	ug/l	100
31) Cyclohexane	7.875	56	3837	1.210	ug/l #	27
36) 1,1-Dichloropropene	7.875	75	14219	4.487	ug/l #	47
37) Ethyl Acetate	7.093	43	6212	4.781	ug/l #	1
38) Carbon Tetrachloride	7.869	117	17949	5.388	ug/l #	17
39) Methylcyclohexane	9.028	83	8133	2.151	ug/l #	1
44) Trichloroethene	9.028	130	617863	246.579	ug/l	92
60) Dibromochloromethane	10.804	129	20779	8.892	ug/l #	11
64) Tetrachloroethene	10.810	164	22596	10.922	ug/l	93
73) Isopropylbenzene	12.422	105	244	3.654	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	54707	53.878	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	54707	102.761	ug/l #	19
83) tert-Butylbenzene	13.210	119	58	3.636	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.216	105	706	3.519	ug/l #	29
86) p-Isopropyltoluene	13.451	119	303	3.921	ug/l #	67
89) n-Butylbenzene	13.781	91	453	3.838	ug/l #	46

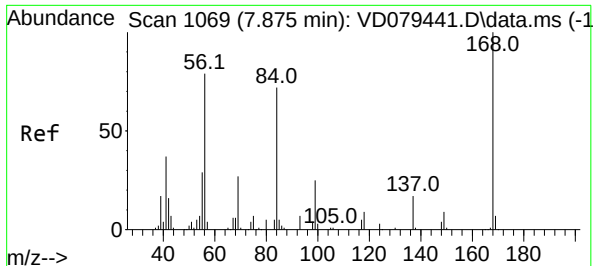
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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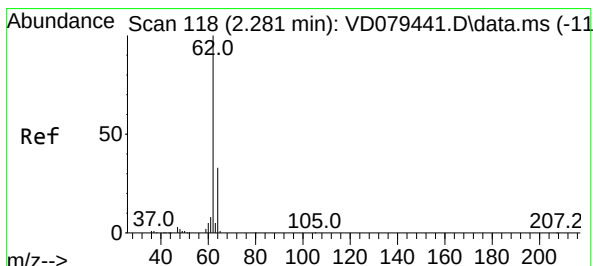
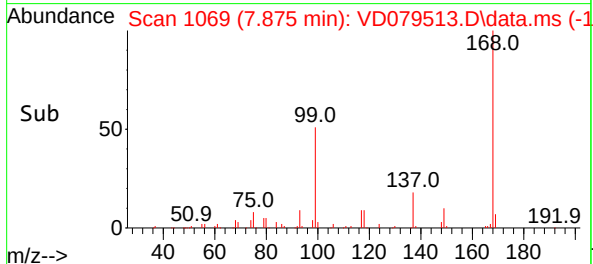
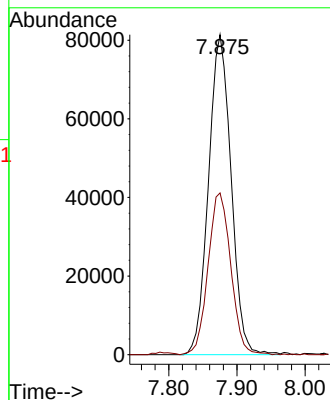
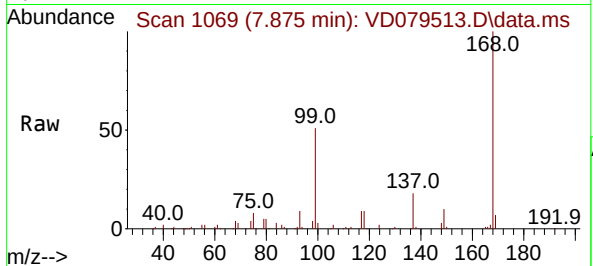




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

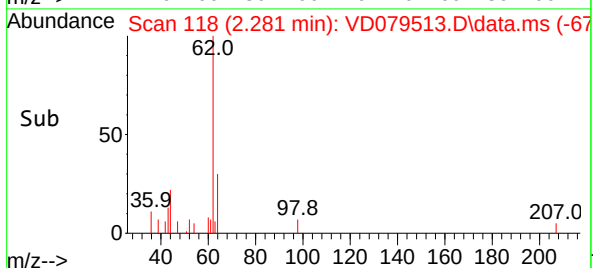
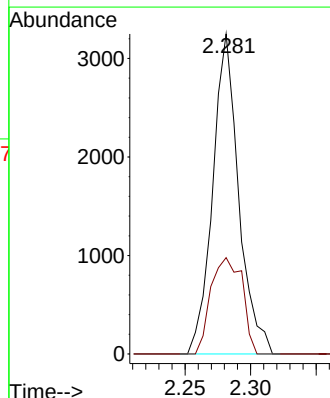
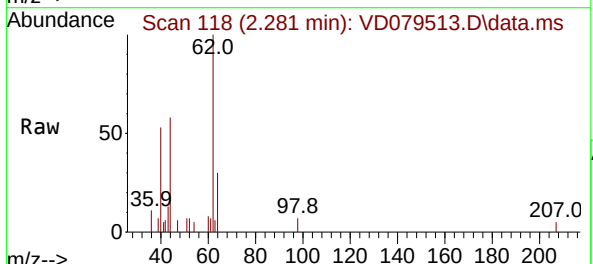
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-13.5-14-072024

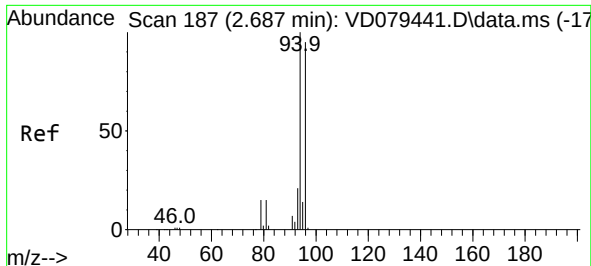
Tgt Ion:168 Resp: 187922
Ion Ratio Lower Upper
168 100
99 50.6 41.1 61.7



#4
Vinyl Chloride
Concen: 1.387 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion: 62 Resp: 4474
Ion Ratio Lower Upper
62 100
64 30.1 26.3 39.5

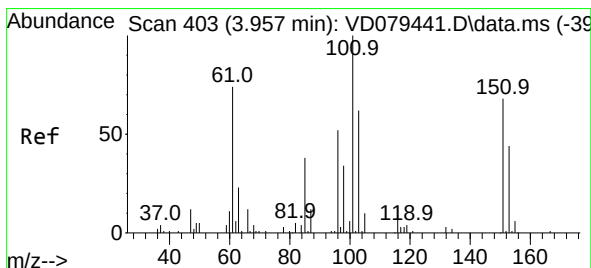
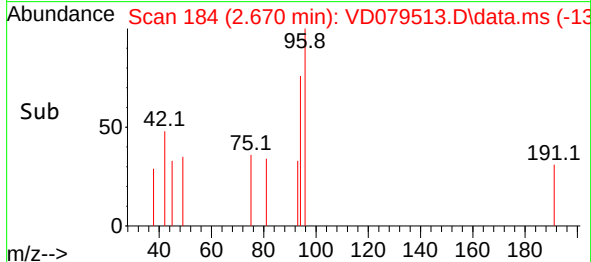
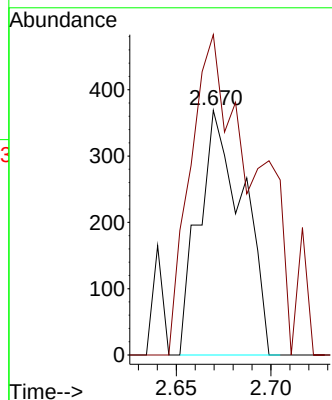
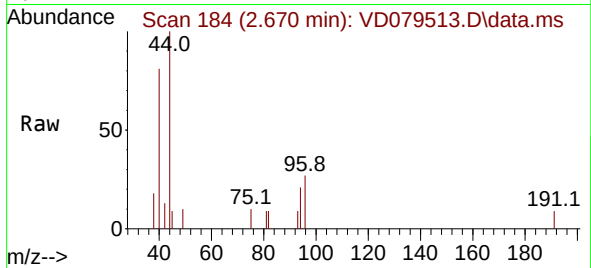




#5
Bromomethane
Concen: Below Cal
RT: 2.670 min Scan# 11
Delta R.T. -0.017 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

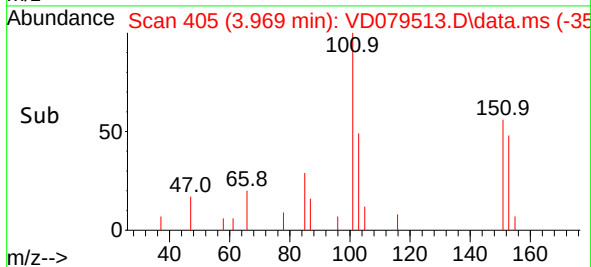
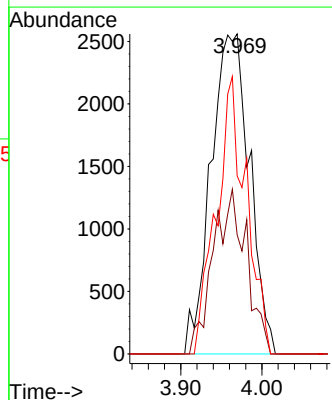
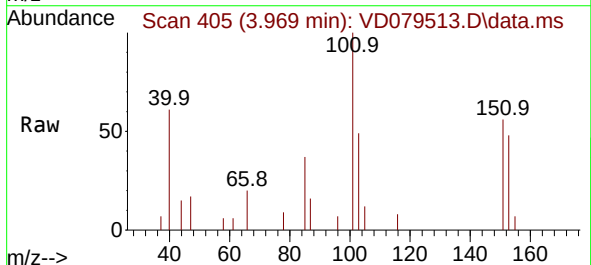
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-13.5-14-072024

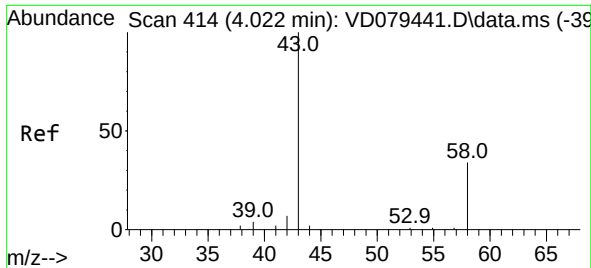
Tgt Ion: 94 Resp: 600
Ion Ratio Lower Upper
94 100
96 198.5 76.9 115.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.177 ug/l
RT: 3.969 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion:101 Resp: 8476
Ion Ratio Lower Upper
101 100
85 44.4 33.5 50.3
151 67.1 60.3 90.5





#16

Acetone

Concen: 41.378 ug/l

RT: 4.017 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD079513.D

Acq: 01 Aug 2024 00:52

Instrument :

MSVOA_D

ClientSampleId :

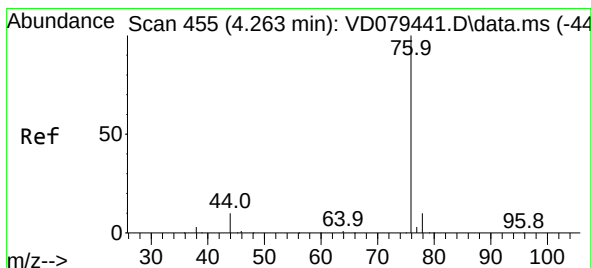
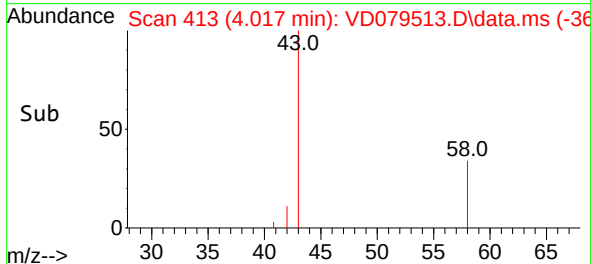
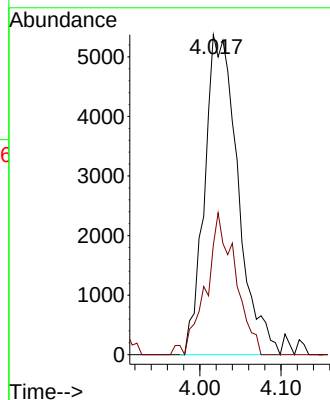
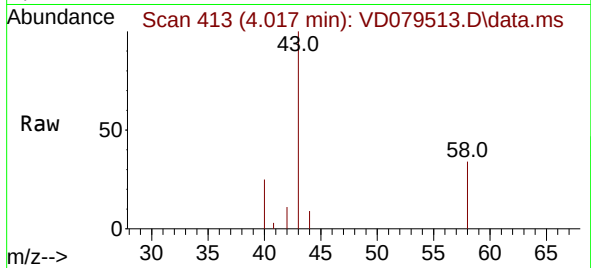
S-862-K2-SO-13.5-14-072024

Tgt Ion: 43 Resp: 15352

Ion Ratio Lower Upper

43 100

58 34.2 30.4 45.6



#17

Carbon Disulfide

Concen: 3.282 ug/l

RT: 4.264 min Scan# 455

Delta R.T. 0.000 min

Lab File: VD079513.D

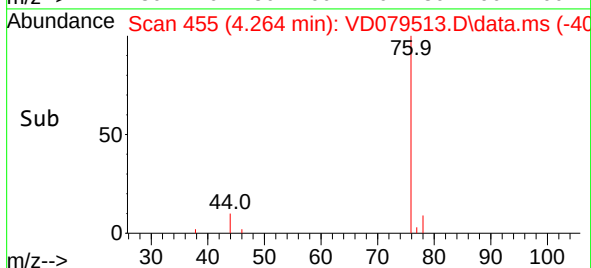
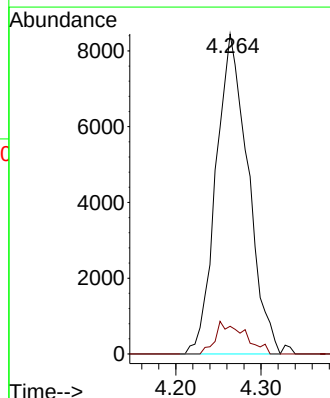
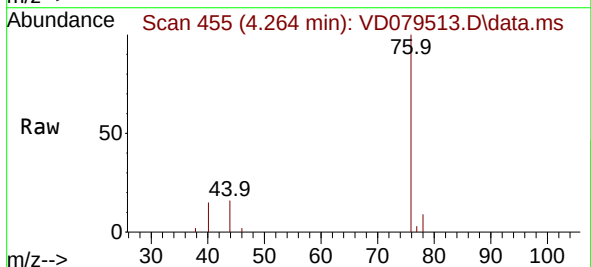
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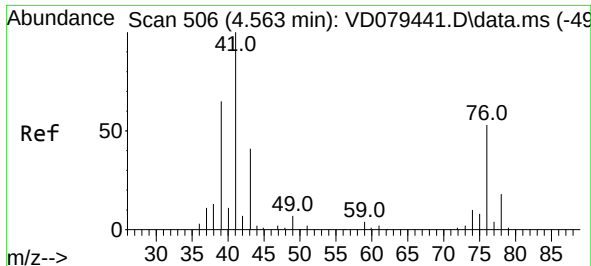
Tgt Ion: 76 Resp: 21995

Ion Ratio Lower Upper

76 100

78 8.7 6.9 10.3

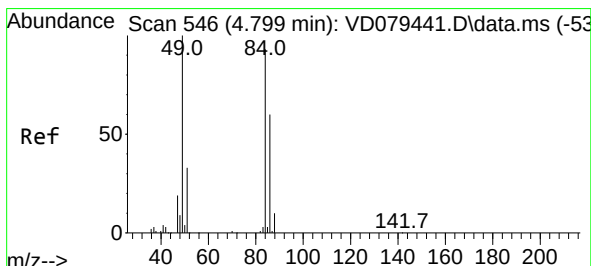
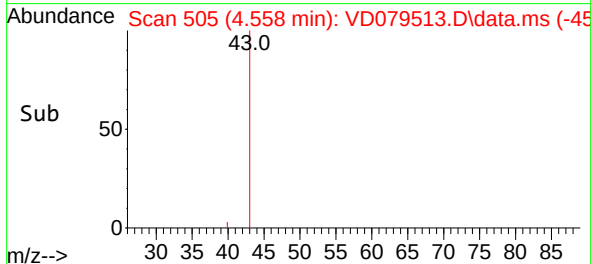
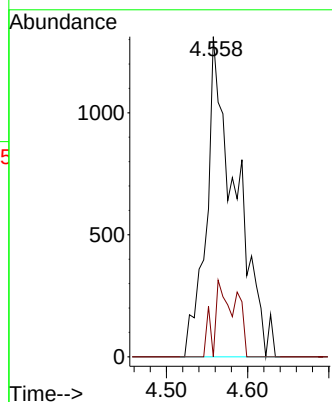
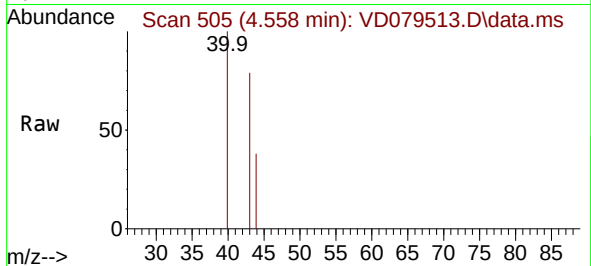




#18
Methyl Acetate
Concen: 2.844 ug/l
RT: 4.558 min Scan# 506
Delta R.T. -0.012 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

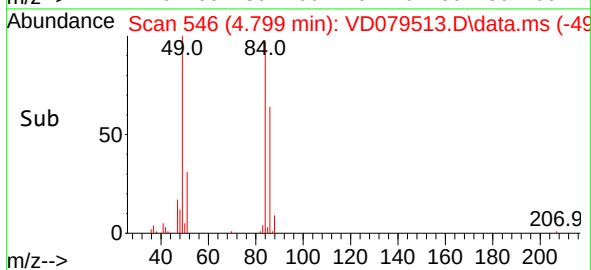
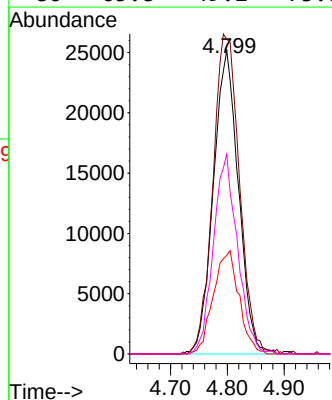
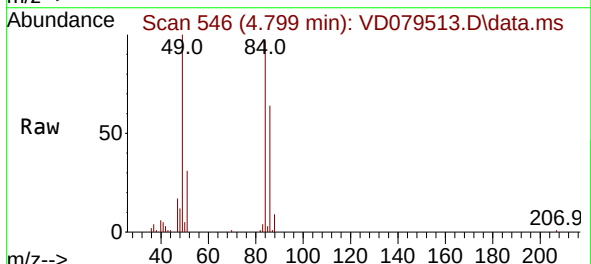
Instrument :
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S-862-K2-SO-13.5-14-072024

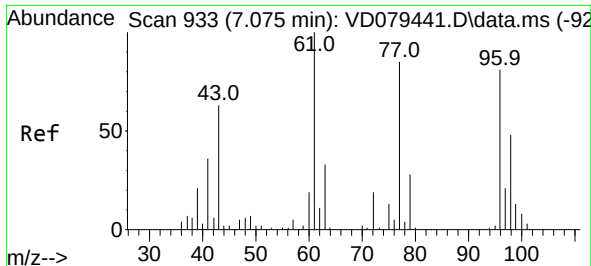
Tgt Ion: 43 Resp: 3276
Ion Ratio Lower Upper
43 100
74 12.3 28.1 42.1#



#20
Methylene Chloride
Concen: 19.613 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion: 84 Resp: 77291
Ion Ratio Lower Upper
84 100
49 103.6 75.6 113.4
51 32.5 24.2 36.2
86 65.8 49.2 73.8

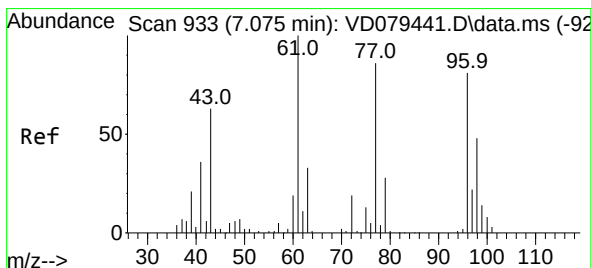
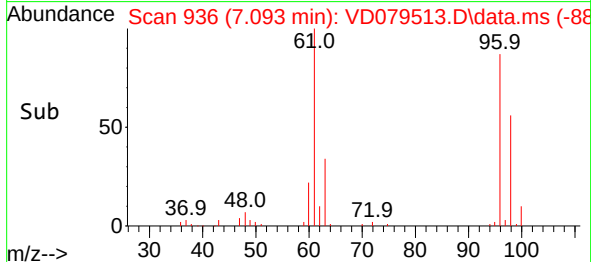
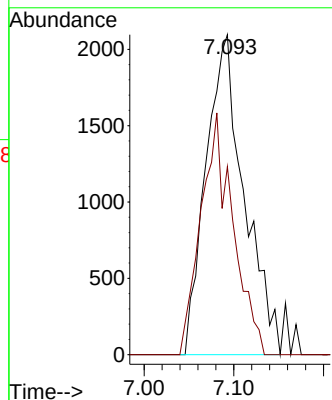
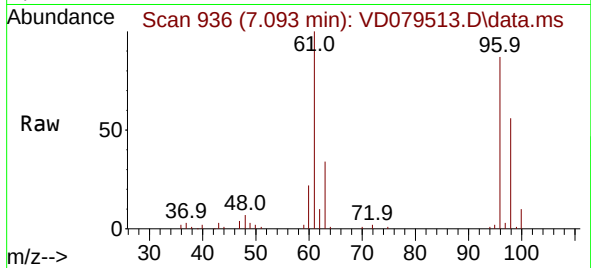




#25
2-Butanone
Concen: 11.810 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

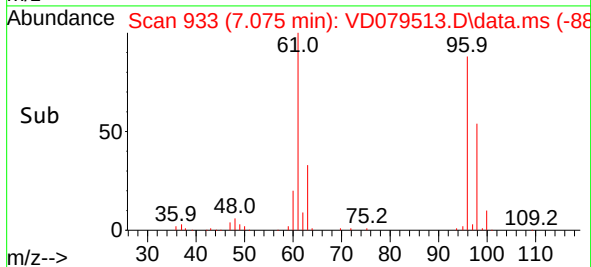
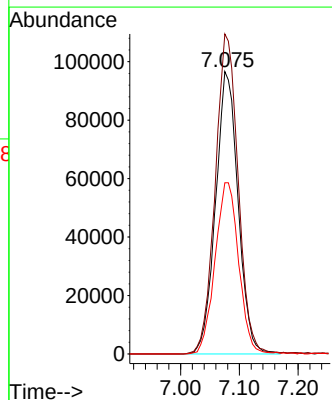
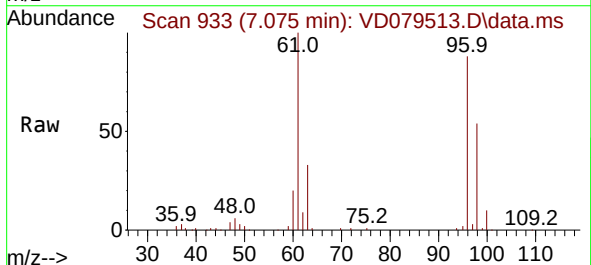
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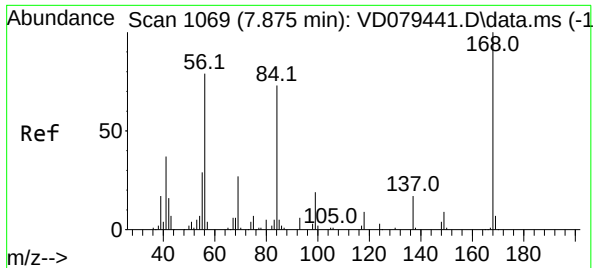
Tgt Ion: 43 Resp: 6212
Ion Ratio Lower Upper
43 100
72 58.7 26.4 39.6#



#27
cis-1,2-Dichloroethene
Concen: 98.610 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion: 96 Resp: 257101
Ion Ratio Lower Upper
96 100
61 115.2 0.0 229.0
98 63.7 0.0 127.2

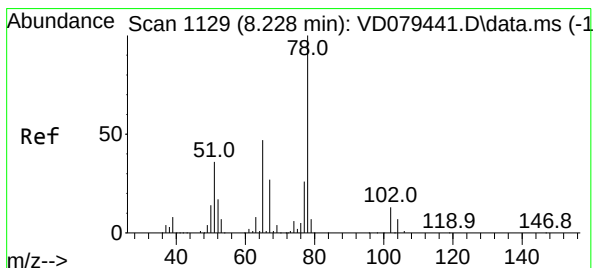
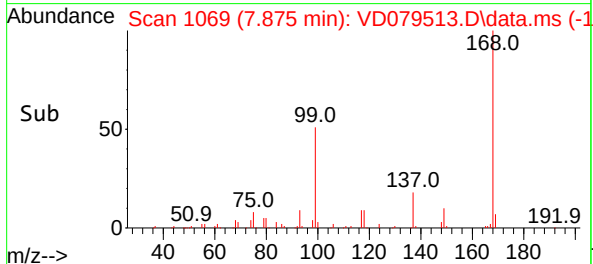
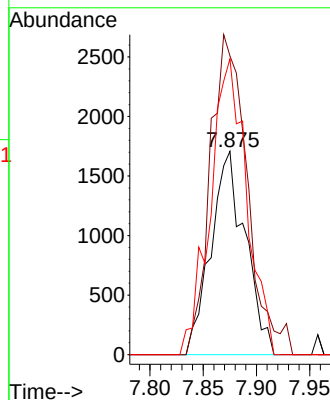
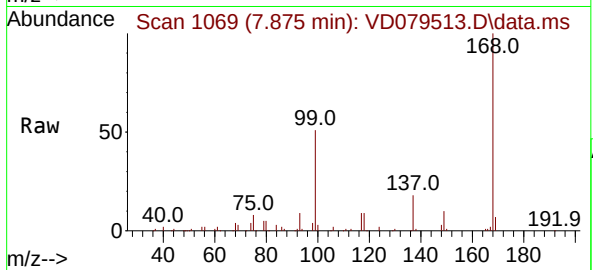




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

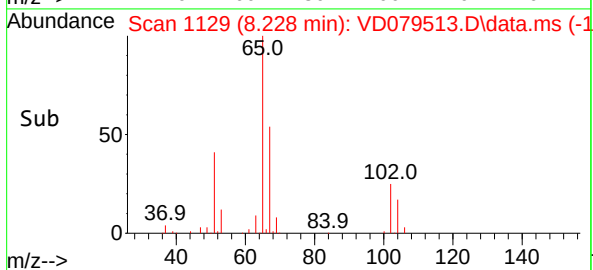
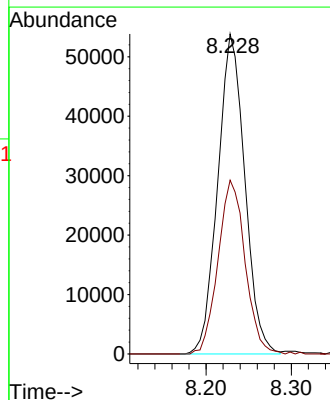
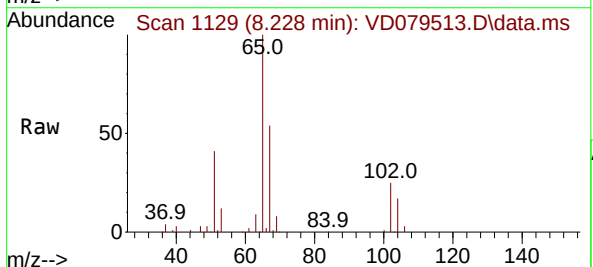
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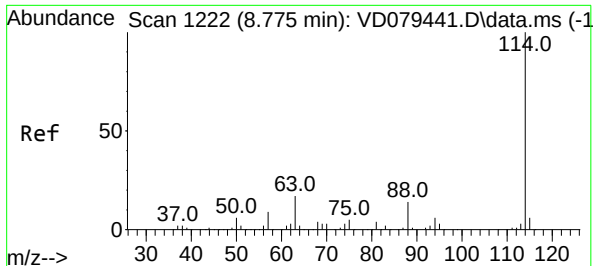
Tgt Ion: 56 Resp: 3837
Ion Ratio Lower Upper
56 100
69 147.0 28.0 42.0#
84 145.5 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 62.172 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion: 65 Resp: 118693
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.0

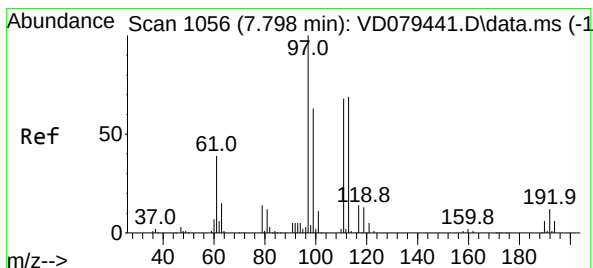
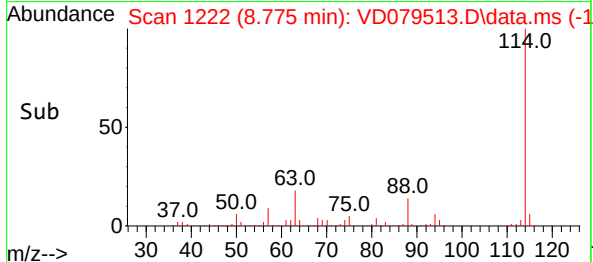
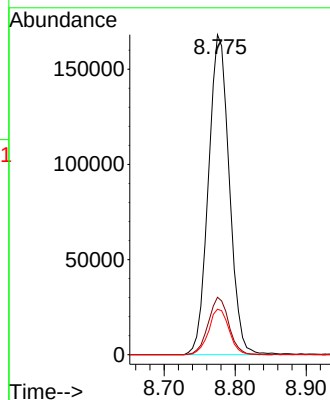
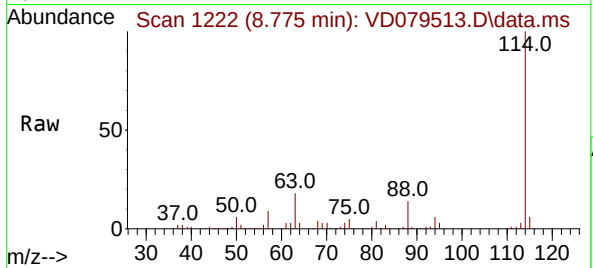




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

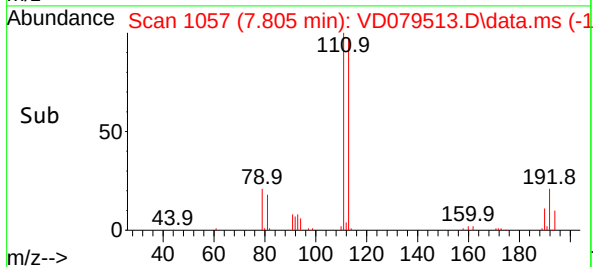
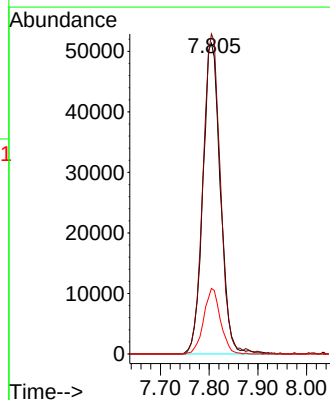
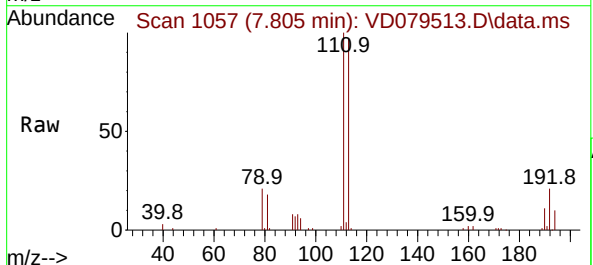
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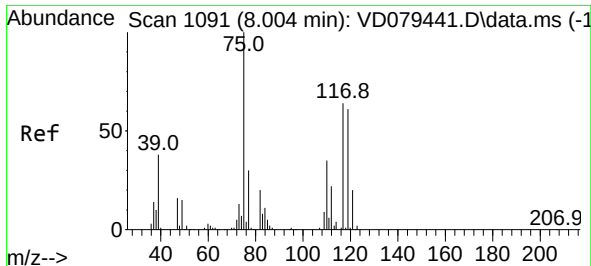
Tgt Ion:114 Resp: 343051
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.0
88 14.2 0.0 27.2



#35
Dibromofluoromethane
Concen: 55.199 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion:113 Resp: 128169
Ion Ratio Lower Upper
113 100
111 102.7 84.0 126.0
192 20.2 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.487 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD079513.D

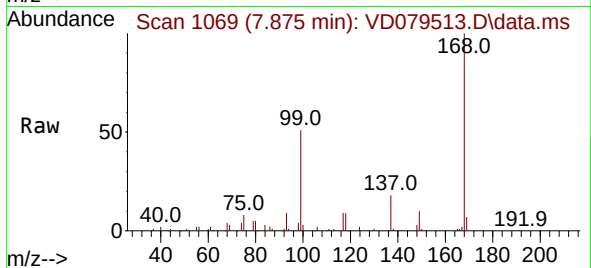
Acq: 01 Aug 2024 00:52

Instrument :

MSVOA_D

ClientSampleId :

S-862-K2-SO-13.5-14-072024



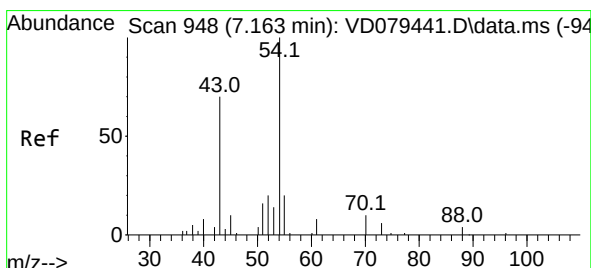
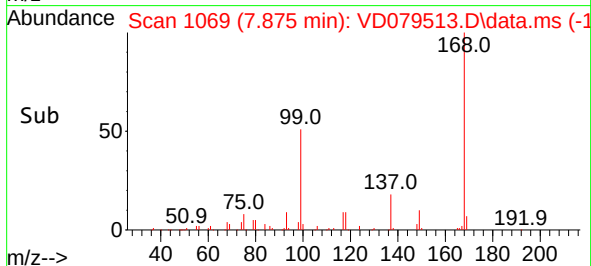
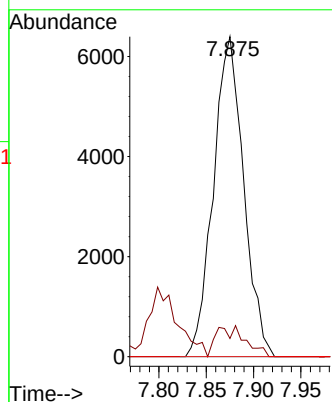
Tgt Ion: 75 Resp: 14219

Ion Ratio Lower Upper

75 100

110 9.1 19.6 58.7#

77 0.0 26.1 39.1#



#37

Ethyl Acetate

Concen: 4.781 ug/l

RT: 7.093 min Scan# 936

Delta R.T. -0.082 min

Lab File: VD079513.D

Acq: 01 Aug 2024 00:52

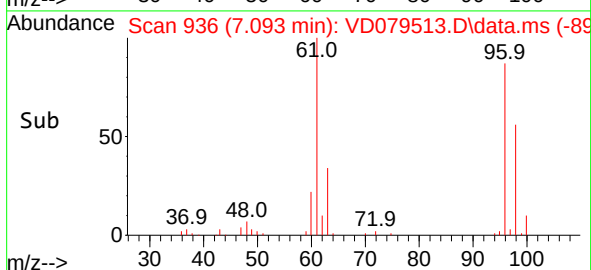
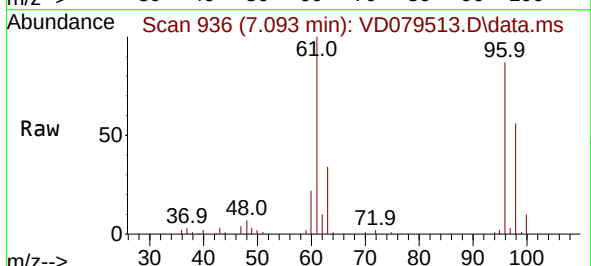
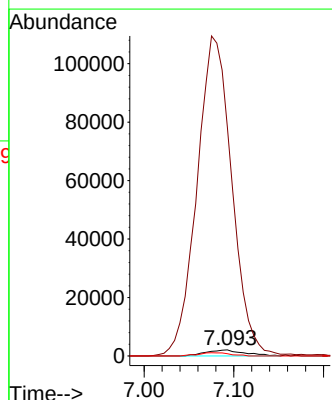
Tgt Ion: 43 Resp: 6212

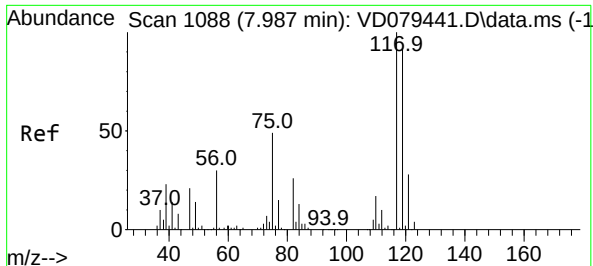
Ion Ratio Lower Upper

43 100

61 4769.1 13.9 20.9#

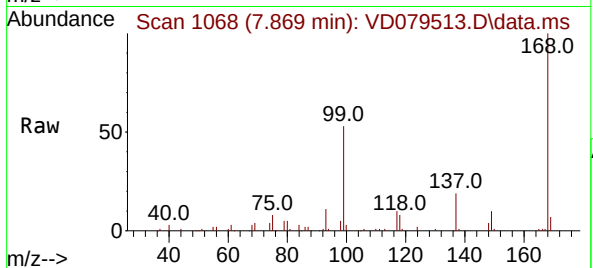
70 43.6 9.8 14.6#



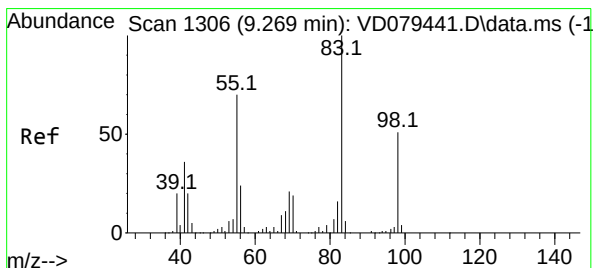
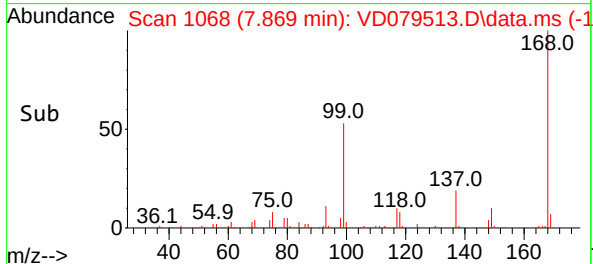
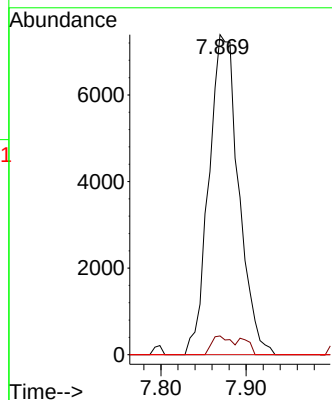


#38
Carbon Tetrachloride
Concen: 5.388 ug/l
RT: 7.869 min Scan# 117
Delta R.T. -0.118 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Instrument : MSVOA_D
ClientSampleId : S-862-K2-SO-13.5-14-072024

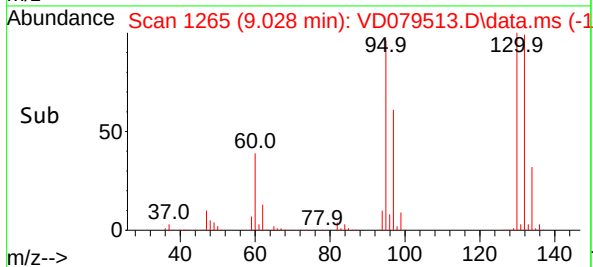
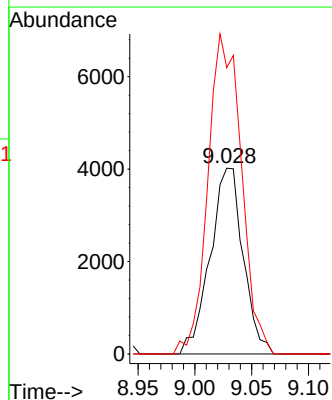
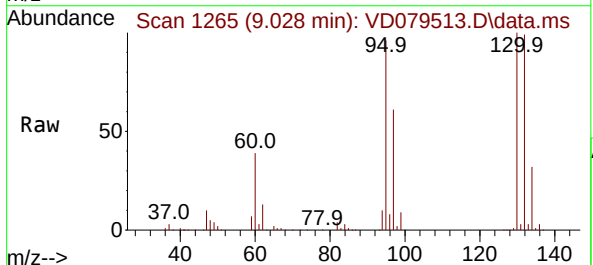


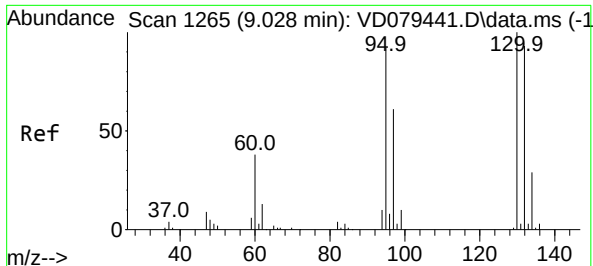
Tgt Ion:117 Resp: 17949
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.0#
121 0.0 25.0 37.4#



#39
Methylcyclohexane
Concen: 2.151 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.247 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion: 83 Resp: 8133
Ion Ratio Lower Upper
83 100
55 0.0 50.1 75.1#
98 154.2 41.9 62.9#

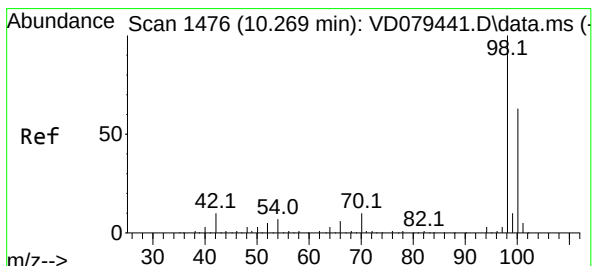
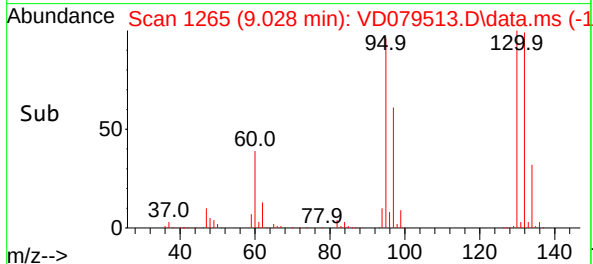
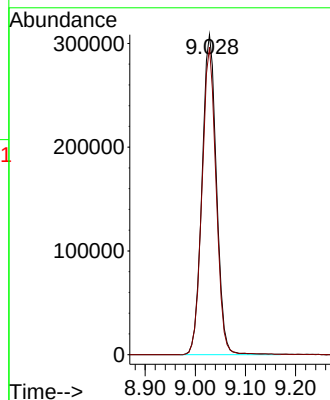
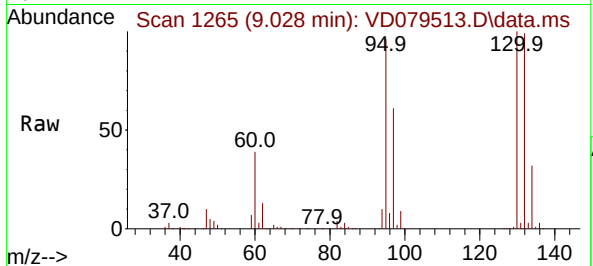




#44
Trichloroethene
Concen: 246.579 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

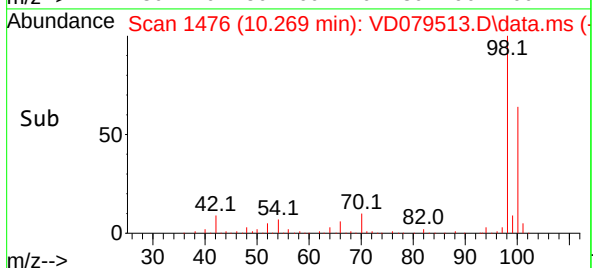
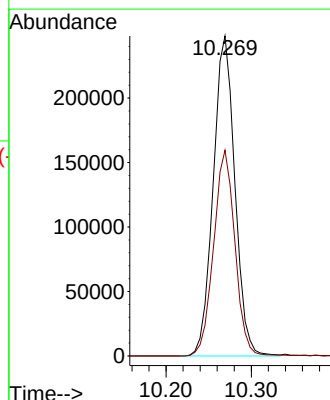
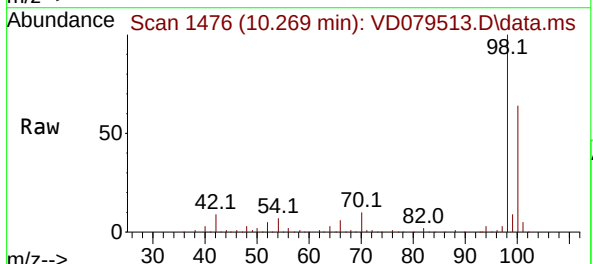
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-13.5-14-072024

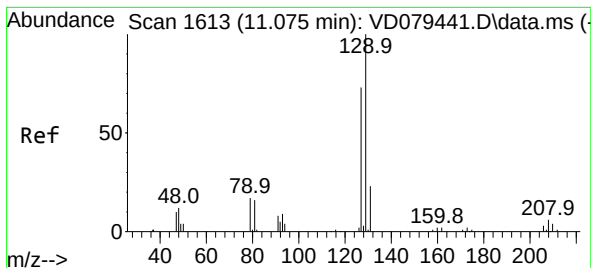
Tgt Ion:130 Resp: 617863
Ion Ratio Lower Upper
130 100
95 96.0 0.0 177.8



#50
Toluene-d8
Concen: 48.569 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion: 98 Resp: 437943
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4





#60

Dibromochloromethane

Concen: 8.892 ug/l

RT: 10.804 min Scan# 1

Delta R.T. -0.265 min

Lab File: VD079513.D

Acq: 01 Aug 2024 00:52

Instrument :

MSVOA_D

ClientSampleId :

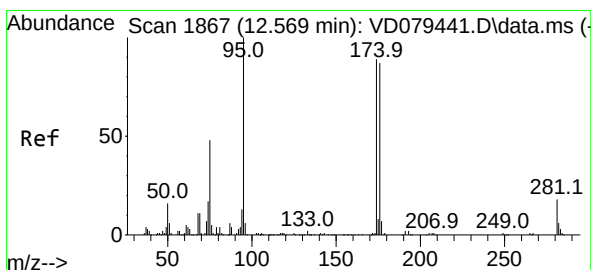
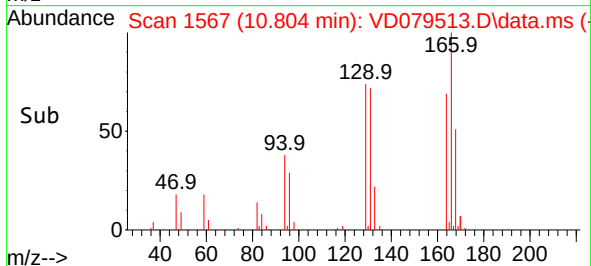
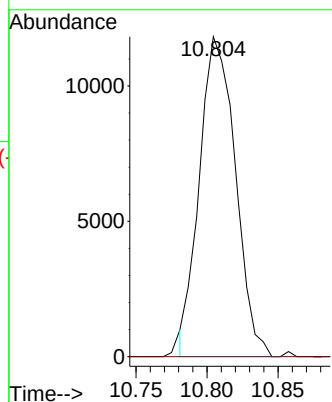
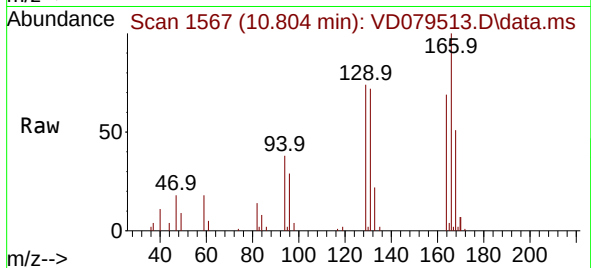
S-862-K2-SO-13.5-14-072024

Tgt Ion:129 Resp: 20779

Ion Ratio Lower Upper

129 100

127 0.0 38.0 113.9#



#62

4-Bromofluorobenzene

Concen: 39.613 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD079513.D

Acq: 01 Aug 2024 00:52

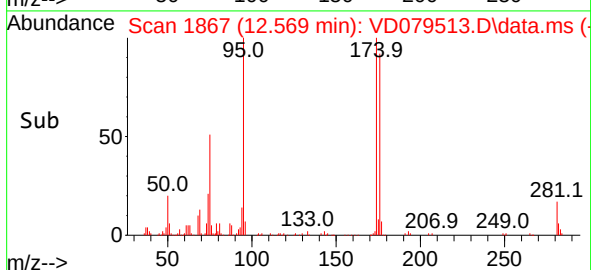
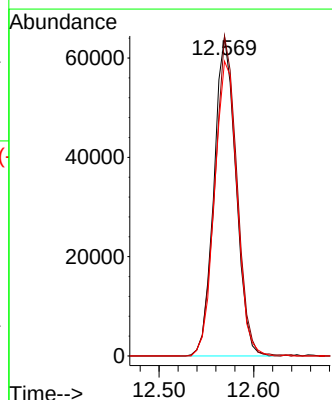
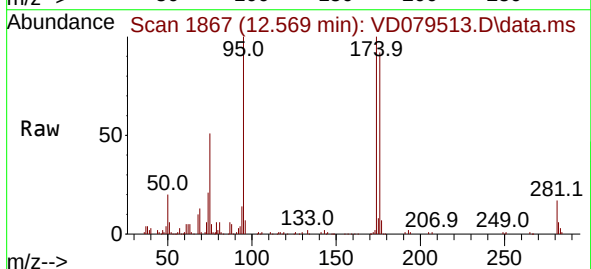
Tgt Ion: 95 Resp: 103362

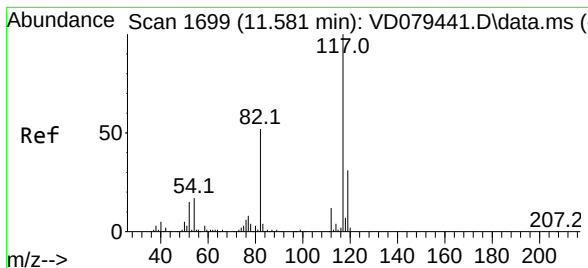
Ion Ratio Lower Upper

95 100

174 100.7 0.0 195.4

176 95.0 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079513.D

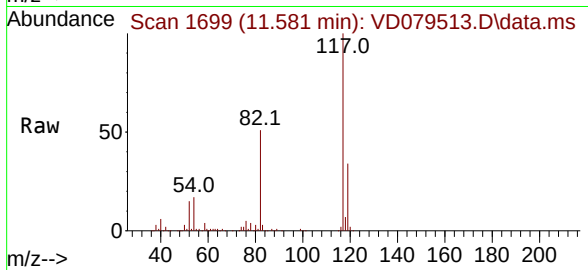
Acq: 01 Aug 2024 00:52

Instrument :

MSVOA_D

ClientSampleId :

S-862-K2-SO-13.5-14-072024



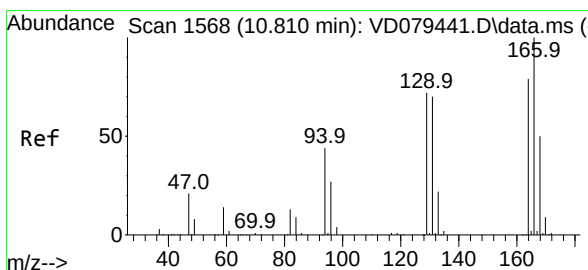
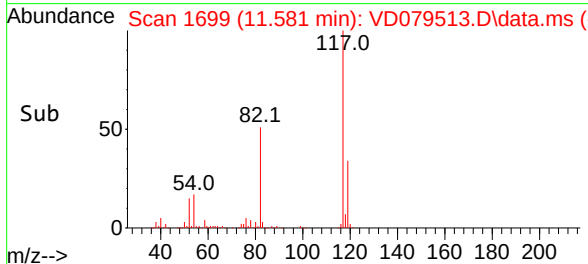
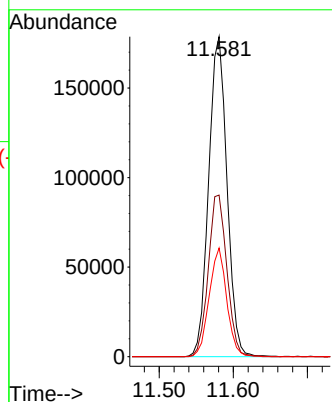
Tgt Ion:117 Resp: 306810

Ion Ratio Lower Upper

117 100

82 50.5 39.8 59.6

119 34.0 25.7 38.5



#64

Tetrachloroethene

Concen: 10.922 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD079513.D

Acq: 01 Aug 2024 00:52

Tgt Ion:164 Resp: 22596

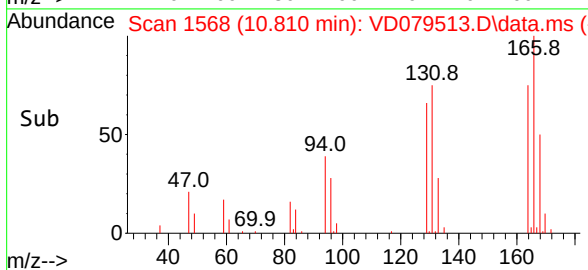
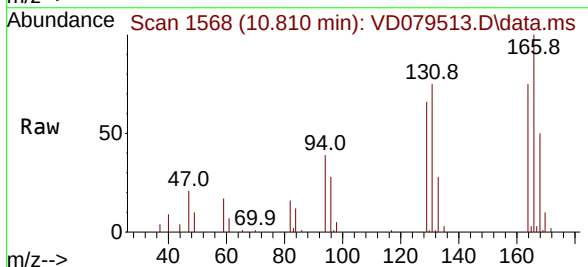
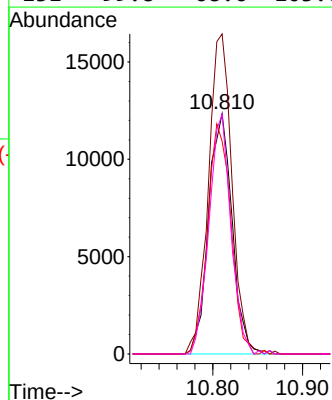
Ion Ratio Lower Upper

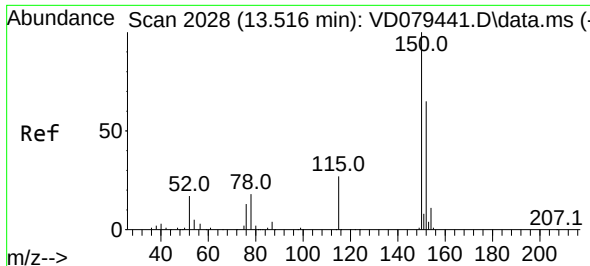
164 100

166 133.3 108.6 163.0

129 88.5 74.6 112.0

131 99.8 68.6 103.0

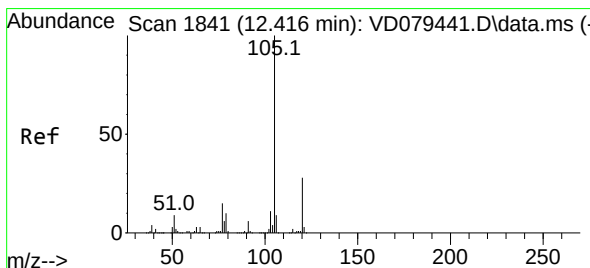
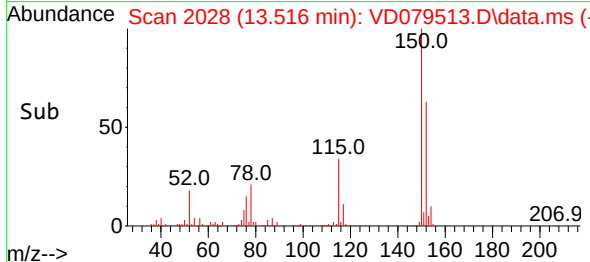
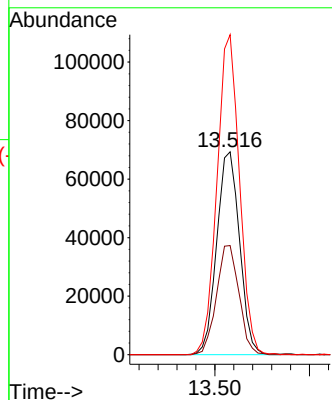
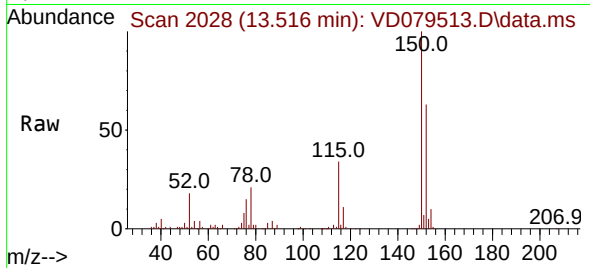




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

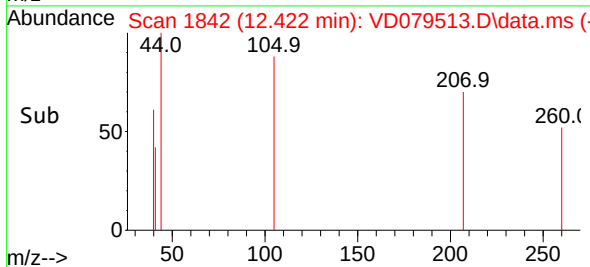
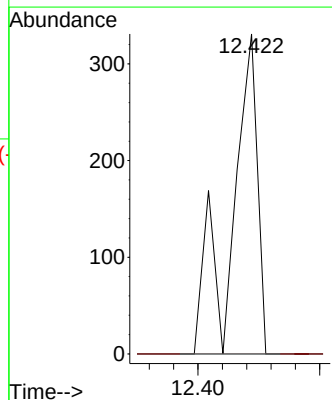
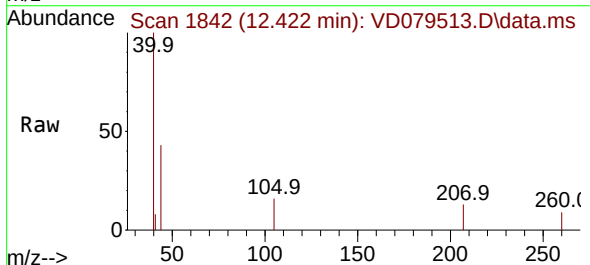
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-13.5-14-072024

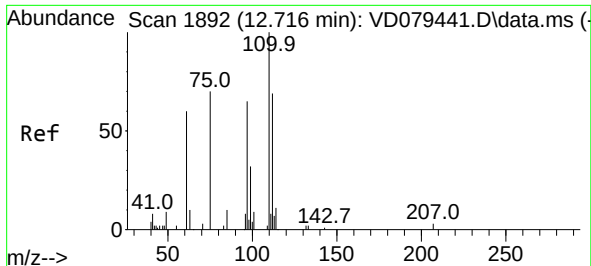
Tgt Ion:152 Resp: 116163
Ion Ratio Lower Upper
152 100
115 53.0 26.5 79.5
150 154.9 0.0 341.6



#73
Isopropylbenzene
Concen: 3.654 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion:105 Resp: 244
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

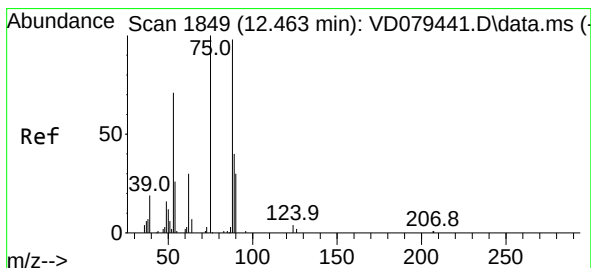
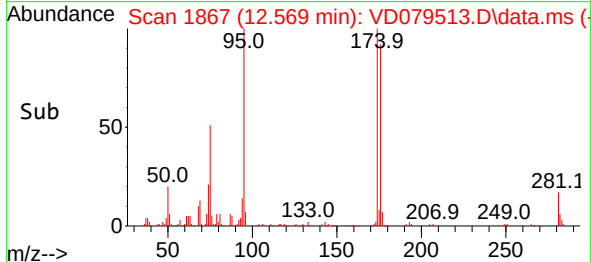
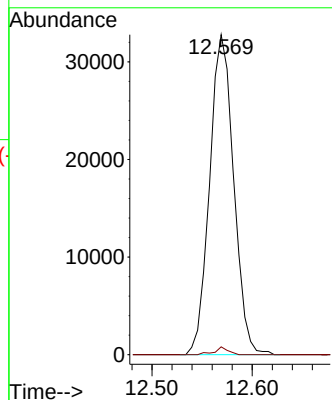
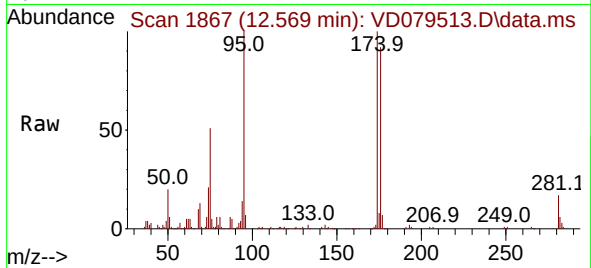




#76
1,2,3-Trichloropropane
Concen: 53.878 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

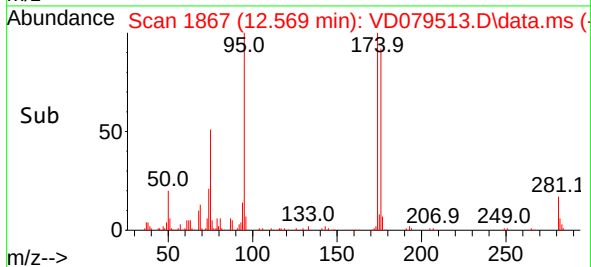
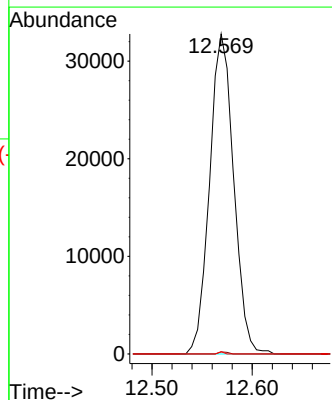
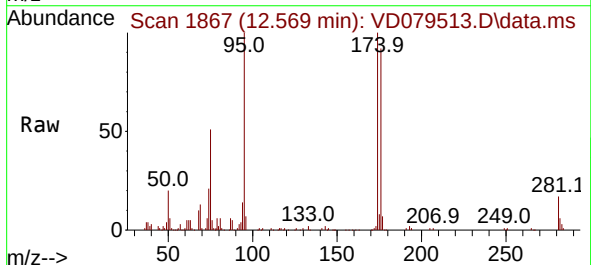
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-13.5-14-072024

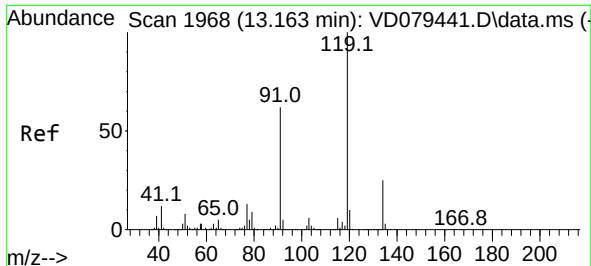
Tgt Ion: 75 Resp: 54707
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.761 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion: 75 Resp: 54707
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.1 35.4 53.0#

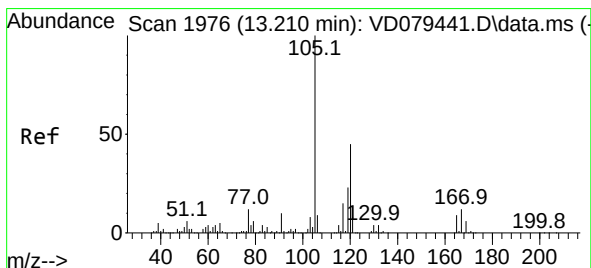
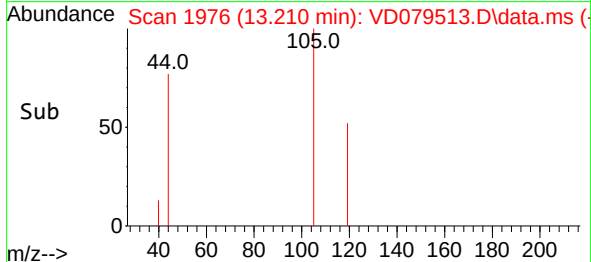
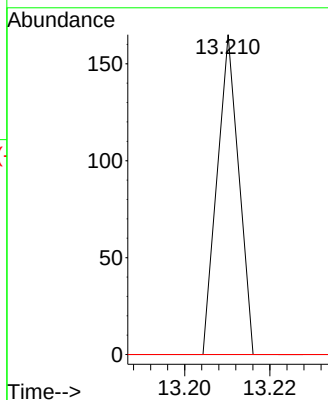
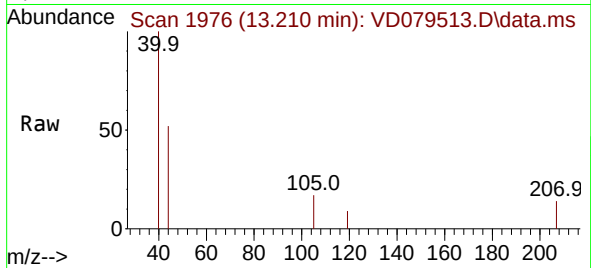




#83
tert-Butylbenzene
Concen: 3.636 ug/l
RT: 13.210 min Scan# 1968
Delta R.T. 0.047 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

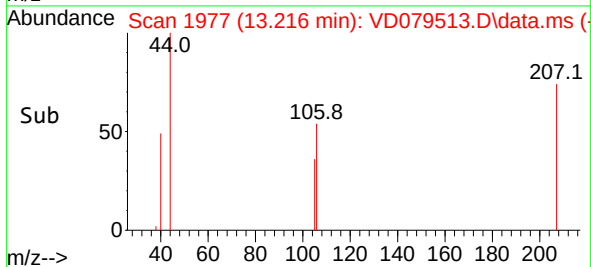
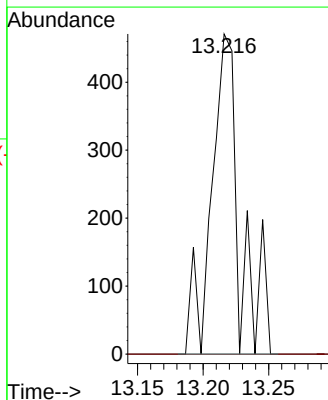
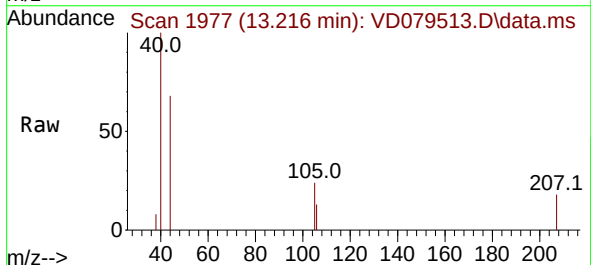
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-13.5-14-072024

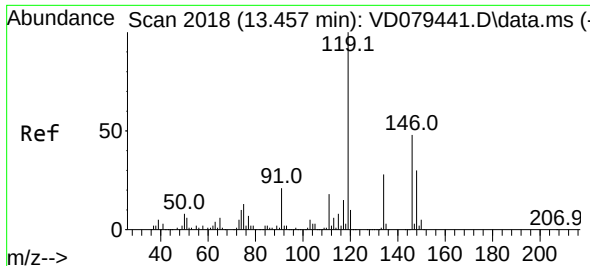
Tgt Ion:119 Resp: 58
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.519 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.012 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion:105 Resp: 706
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#

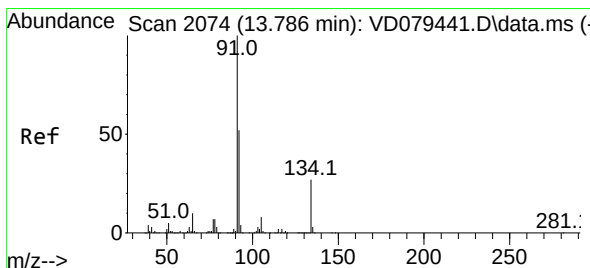
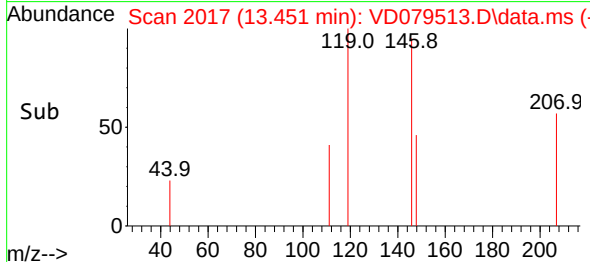
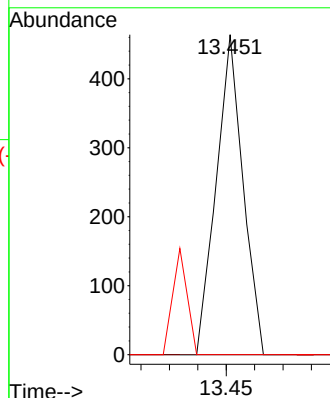
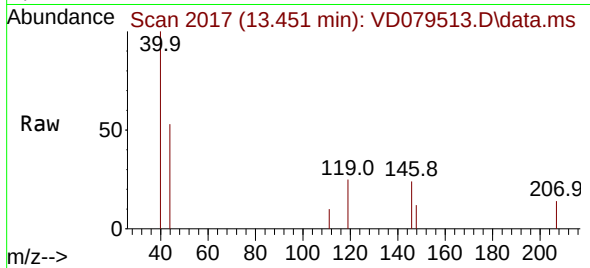




#86
p-Isopropyltoluene
Concen: 3.921 ug/l
RT: 13.451 min Scan# 2018
Delta R.T. -0.006 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-13.5-14-072024

Tgt Ion:119 Resp: 303
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 17.8 10.7 32.1



#89
n-Butylbenzene
Concen: 3.838 ug/l
RT: 13.781 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VD079513.D
Acq: 01 Aug 2024 00:52

Tgt Ion: 91 Resp: 453
Ion Ratio Lower Upper
91 100
92 13.2 25.7 77.0#
134 0.0 13.6 40.8#

