

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079519.D
 Acq On : 01 Aug 2024 03:36
 Operator : RP/MD
 Sample : P3374-17
 Misc : 7.91G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-863-K2-SO-13.5-14-072024

Quant Time: Aug 01 04:48:53 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)

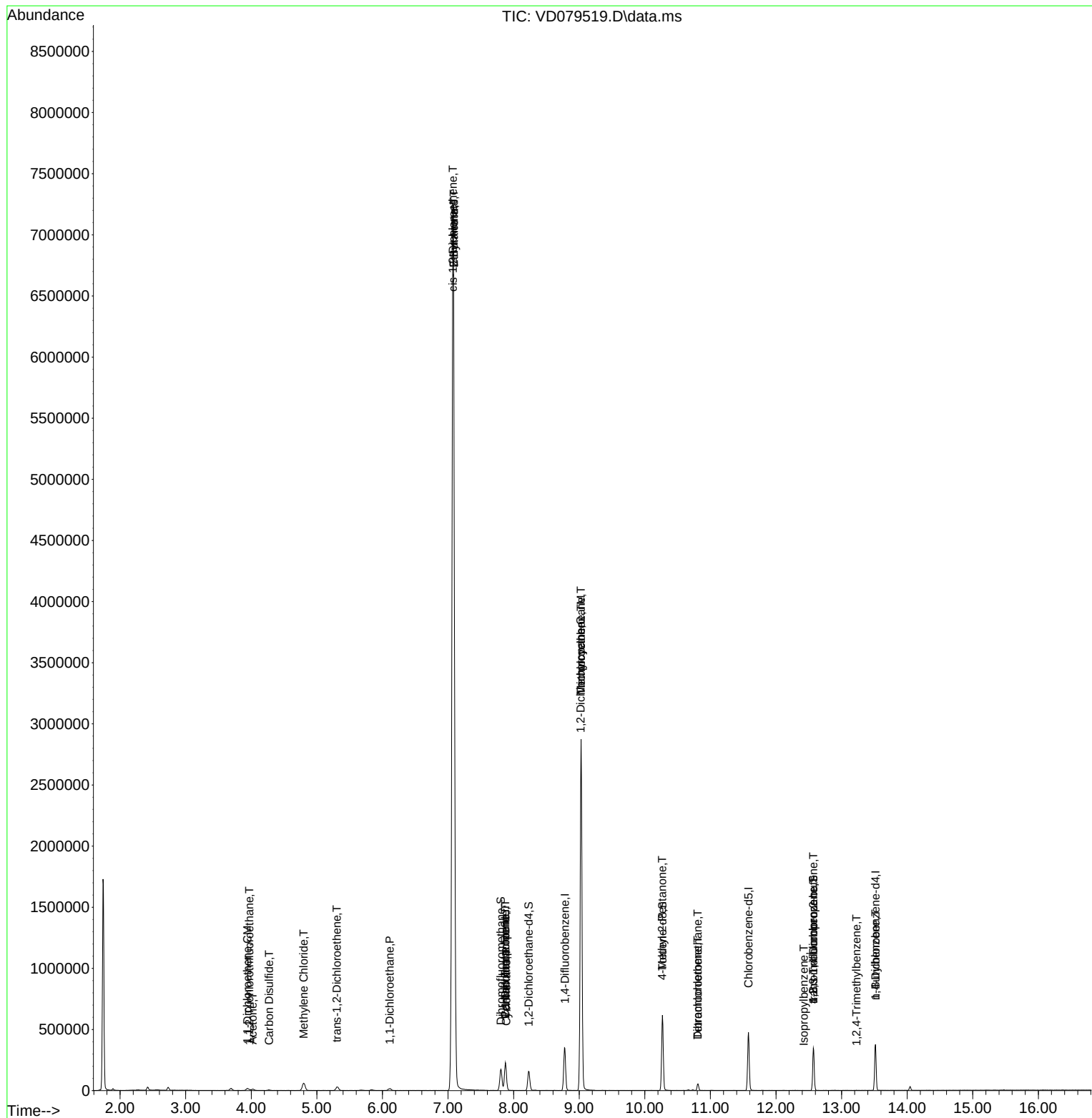
Internal Standards						
1) Pentafluorobenzene	7.875	168	178831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	330338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	290687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	105935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	122200	67.263	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.520%			
35) Dibromofluoromethane	7.805	113	127880	57.194	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.380%			
50) Toluene-d8	10.269	98	433202	49.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.780%			
62) 4-Bromofluorobenzene	12.569	95	103168	41.060	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.120%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	138	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	3.969	101	5112	2.648	ug/l #	70
11) Tert butyl alcohol	5.311	59	806	Below Cal	#	86
12) 1,1-Dichloroethene	3.940	96	7860	4.068	ug/l	93
13) Acrolein	3.817	56	57	Below Cal	#	17
16) Acetone	4.022	43	19494	55.213	ug/l #	87
17) Carbon Disulfide	4.269	76	10483	1.644	ug/l	99
20) Methylene Chloride	4.799	84	49890	5.192	ug/l	93
21) trans-1,2-Dichloroethene	5.305	96	20019	9.223	ug/l	87
24) 1,1-Dichloroethane	6.111	63	23909	6.285	ug/l	92
25) 2-Butanone	7.087	43	8809	17.598	ug/l #	1
27) cis-1,2-Dichloroethene	7.075	96	4844630	1952.600	ug/l	99
31) Cyclohexane	7.887	56	3642	1.207	ug/l #	65
36) 1,1-Dichloropropene	7.875	75	13029	4.269	ug/l #	46
37) Ethyl Acetate	7.087	43	8809	7.040	ug/l #	1
38) Carbon Tetrachloride	7.875	117	17205	5.363	ug/l #	16
39) Methylcyclohexane	9.028	83	13053	3.585	ug/l #	1
44) Trichloroethene	9.028	130	1072153	444.346	ug/l	96
45) 1,2-Dichloropropane	9.022	63	2400	1.017	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	1939	1.615	ug/l #	1
60) Dibromochloromethane	10.804	129	11780	5.235	ug/l #	11
64) Tetrachloroethene	10.804	164	13540	6.908	ug/l	91
73) Isopropylbenzene	12.422	105	87	3.638	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	50260	54.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	50260	103.522	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.228	105	396	3.484	ug/l #	29
89) n-Butylbenzene	13.516	91	57	3.790	ug/l #	34

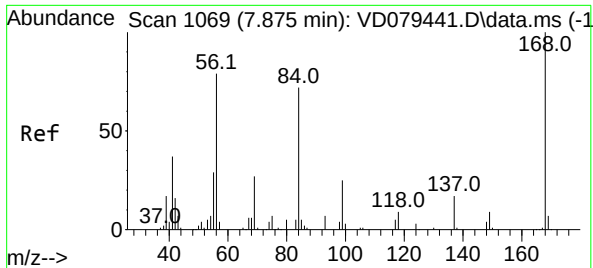
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD079519.D
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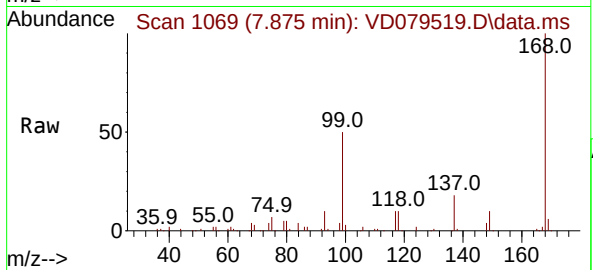
Quant Time: Aug 01 04:48:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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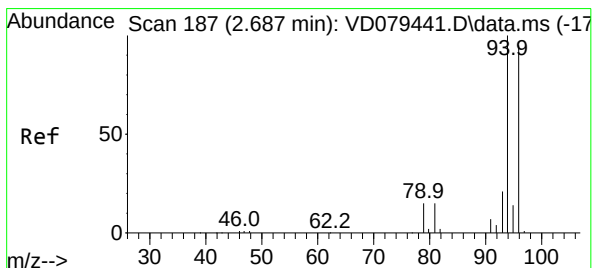
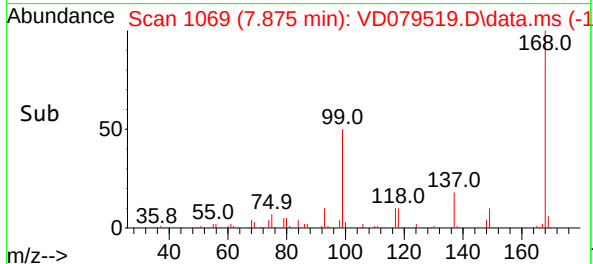
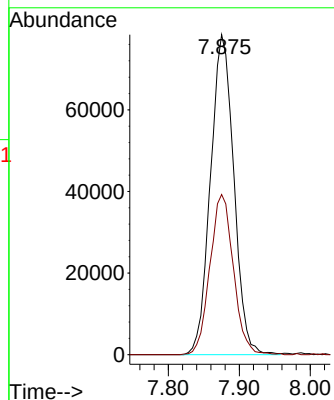


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-13.5-14-072024

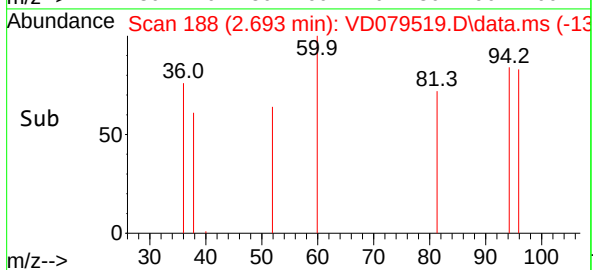
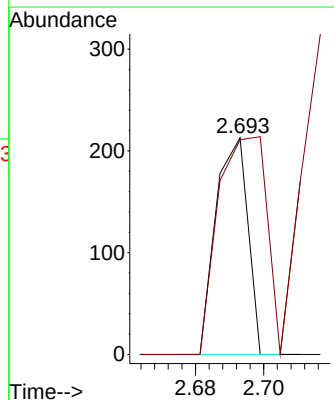
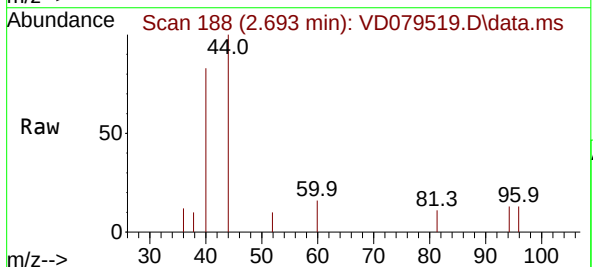


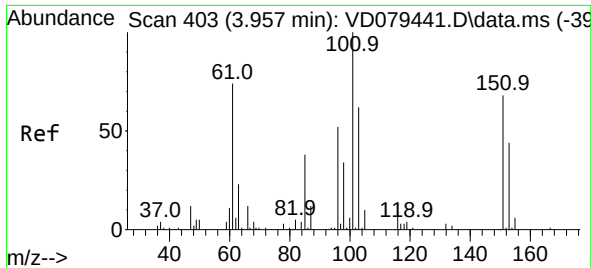
Tgt Ion:168 Resp: 178831
Ion Ratio Lower Upper
168 100
99 50.1 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 152.2 76.9 115.3#

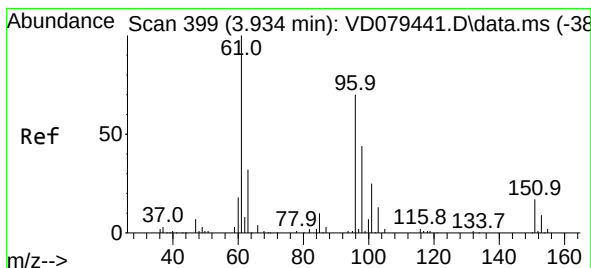
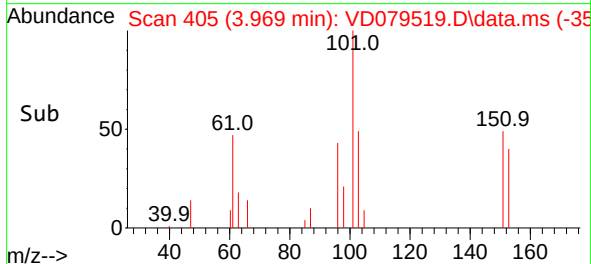
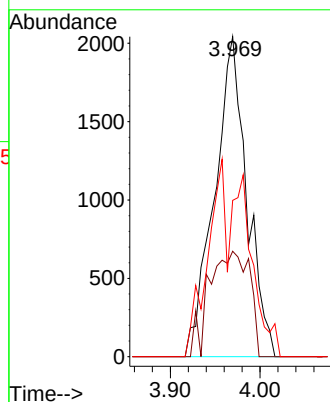
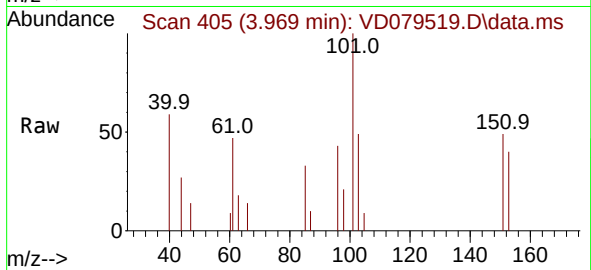




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.648 ug/l
RT: 3.969 min Scan# 403
Delta R.T. 0.006 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

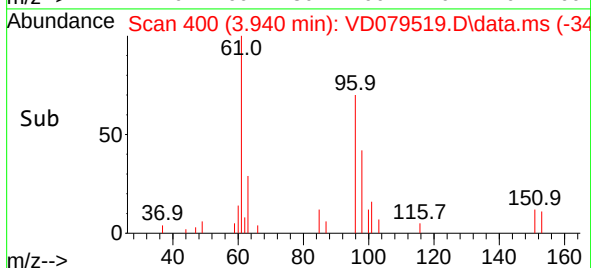
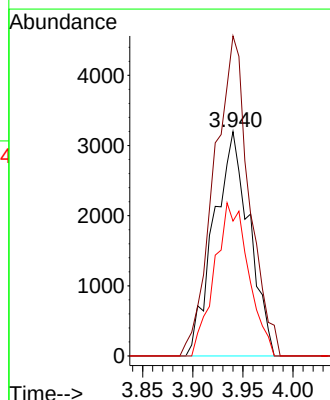
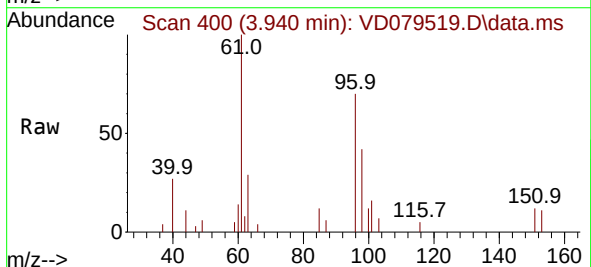
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-13.5-14-072024

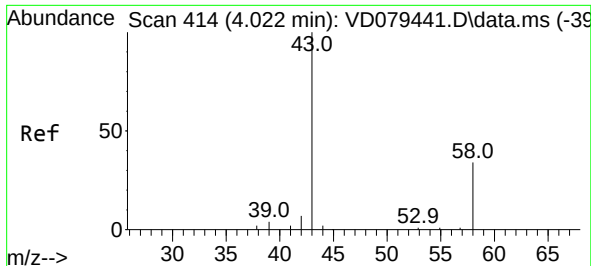
Tgt Ion:101 Resp: 5112
Ion Ratio Lower Upper
101 100
85 41.0 33.5 50.3
151 36.8 60.3 90.5#



#12
1,1-Dichloroethene
Concen: 4.068 ug/l
RT: 3.940 min Scan# 400
Delta R.T. 0.012 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

Tgt Ion: 96 Resp: 7860
Ion Ratio Lower Upper
96 100
61 142.7 107.3 160.9
98 60.1 51.7 77.5





#16

Acetone

Concen: 55.213 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

Instrument :

MSVOA_D

ClientSampleId :

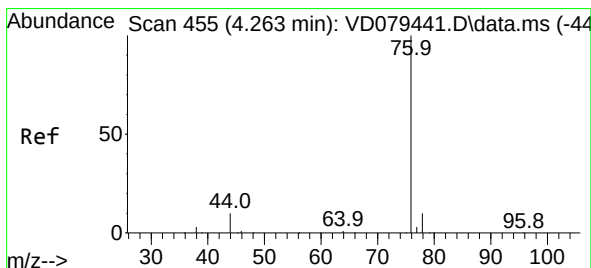
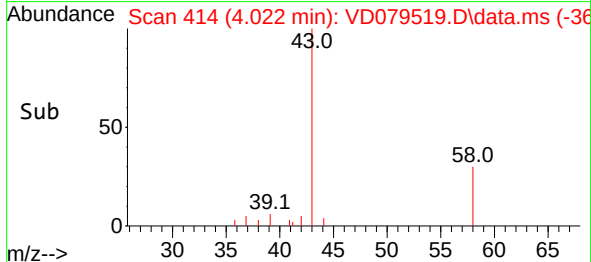
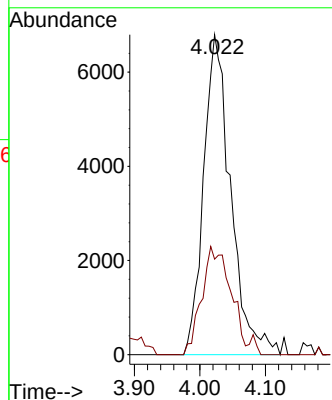
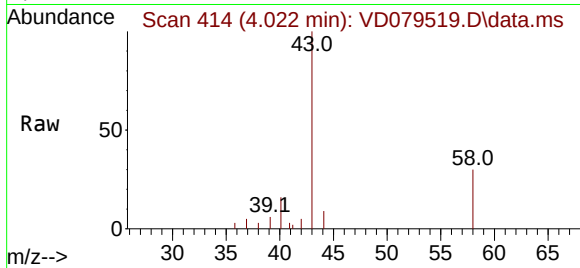
S-863-K2-SO-13.5-14-072024

Tgt Ion: 43 Resp: 19494

Ion Ratio Lower Upper

43 100

58 29.9 30.4 45.6#



#17

Carbon Disulfide

Concen: 1.644 ug/l

RT: 4.269 min Scan# 456

Delta R.T. 0.006 min

Lab File: VD079519.D

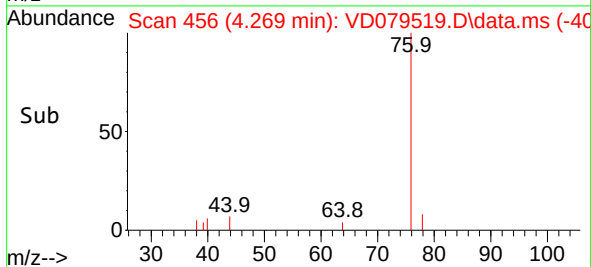
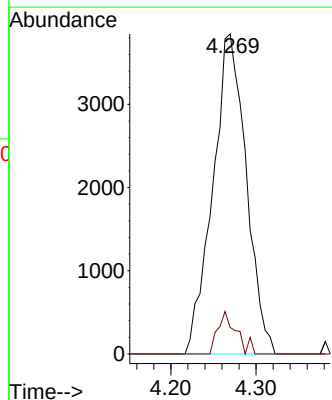
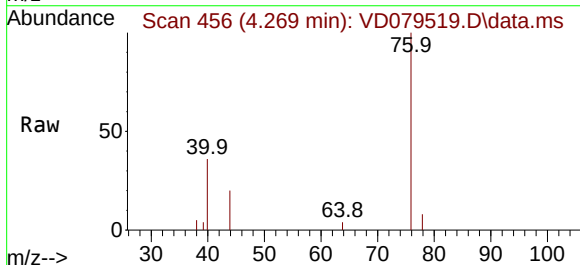
Acq: 01 Aug 2024 03:36

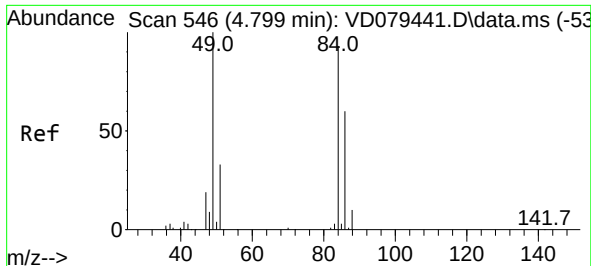
Tgt Ion: 76 Resp: 10483

Ion Ratio Lower Upper

76 100

78 8.3 6.9 10.3

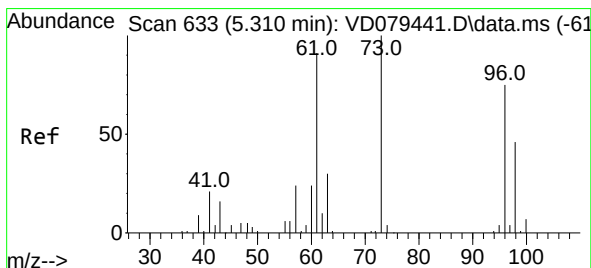
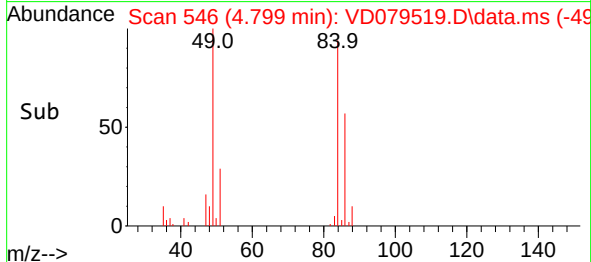
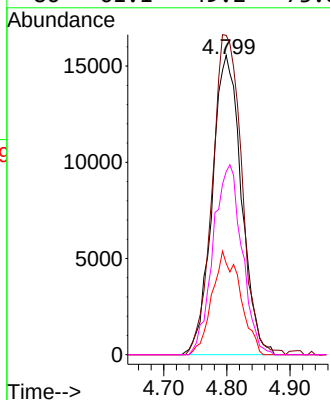
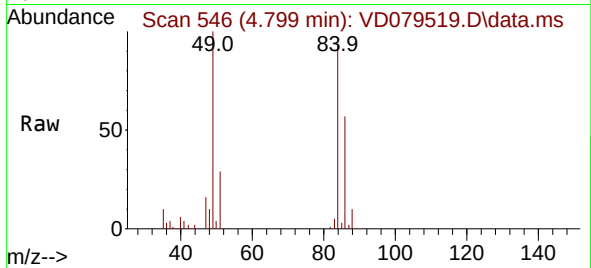




#20
Methylene Chloride
Concen: 5.192 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

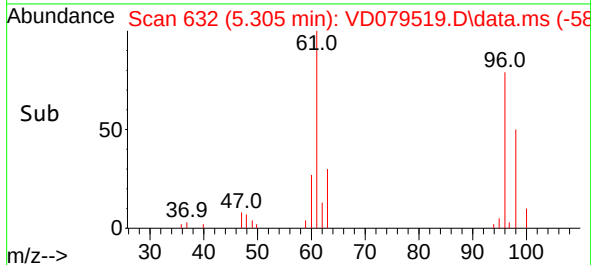
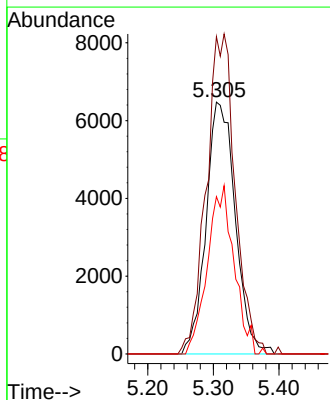
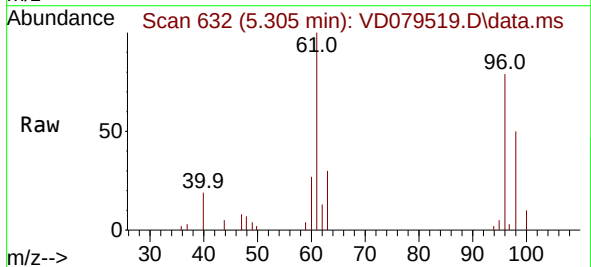
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-13.5-14-072024

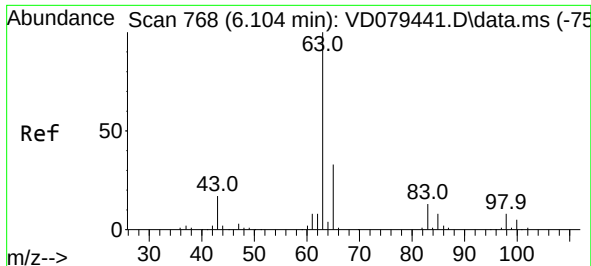
Tgt Ion:	84	Resp:	49890
Ion	Ratio	Lower	Upper
84	100		
49	106.7	75.6	113.4
51	30.5	24.2	36.2
86	61.1	49.2	73.8



#21
trans-1,2-Dichloroethene
Concen: 9.223 ug/l
RT: 5.305 min Scan# 632
Delta R.T. -0.006 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

Tgt Ion:	96	Resp:	20019
Ion	Ratio	Lower	Upper
96	100		
61	126.0	84.5	126.7
98	62.5	50.5	75.7

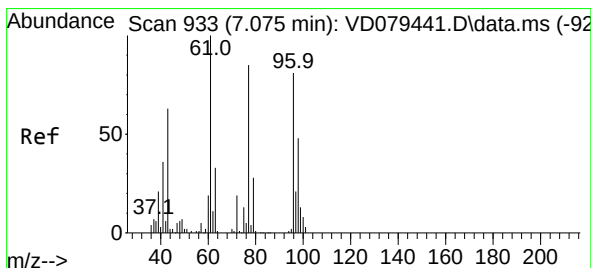
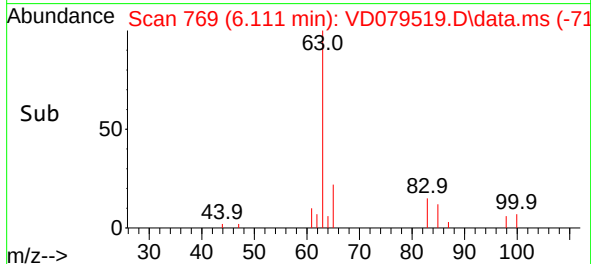
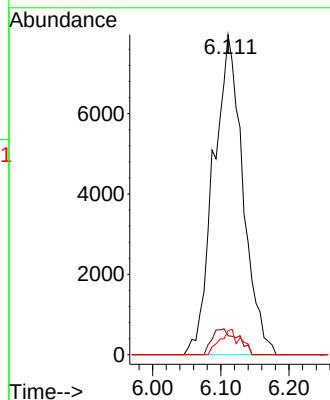
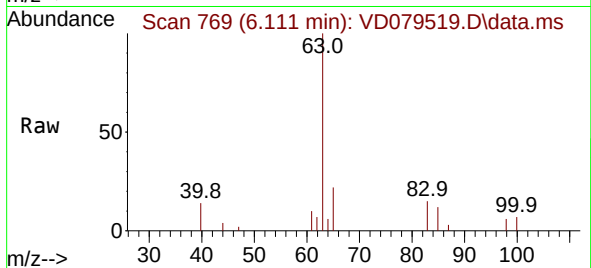




#24
1,1-Dichloroethane
Concen: 6.285 ug/l
RT: 6.111 min Scan# 71
Delta R.T. 0.006 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

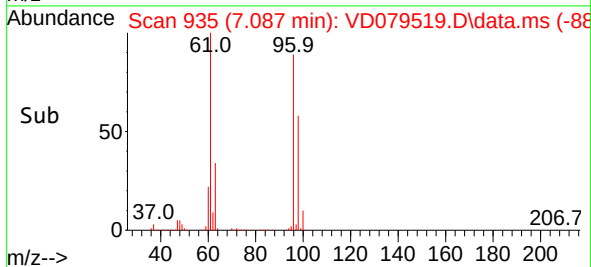
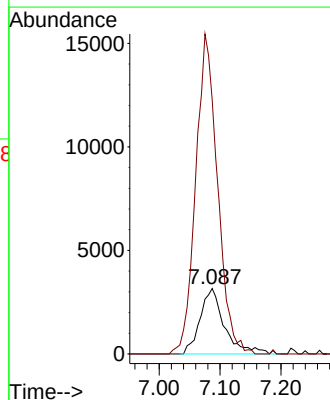
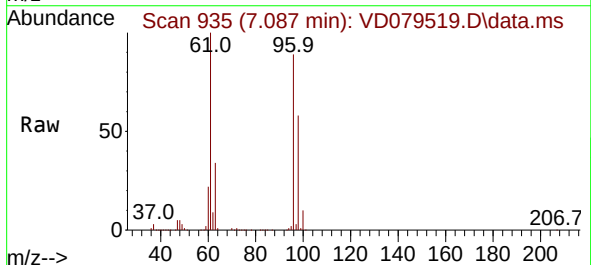
Instrument :
MSVOA_D
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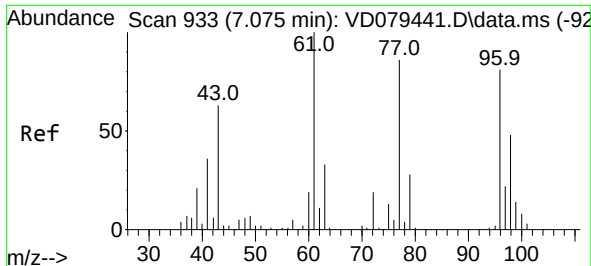
Tgt Ion: 63 Resp: 23909
Ion Ratio Lower Upper
63 100
98 5.9 4.7 14.0
100 7.4 2.9 8.6



#25
2-Butanone
Concen: 17.598 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.006 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

Tgt Ion: 43 Resp: 8809
Ion Ratio Lower Upper
43 100
72 387.9 26.4 39.6#





#27

cis-1,2-Dichloroethene

Concen: 1952.600 ug/l

RT: 7.075 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

Instrument :

MSVOA_D

ClientSampleId :

S-863-K2-SO-13.5-14-072024

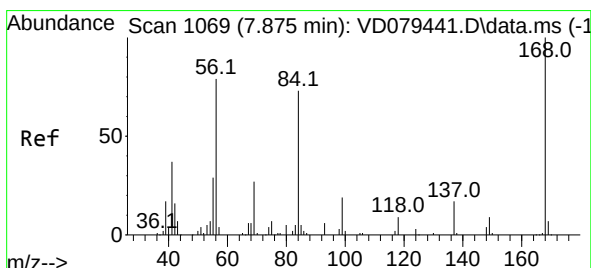
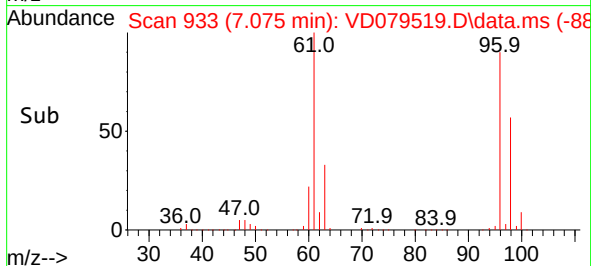
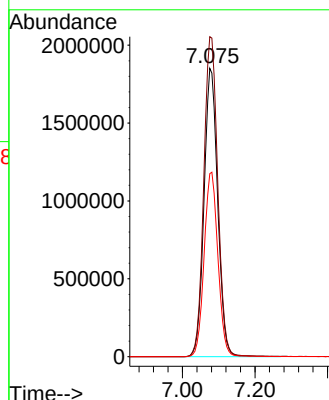
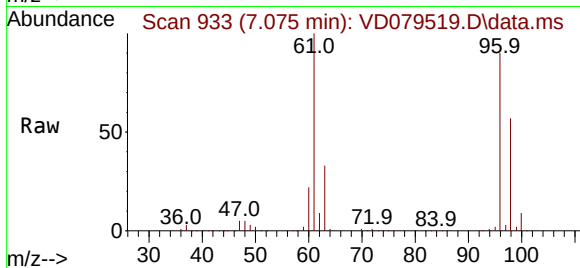
Tgt Ion: 96 Resp: 4844630

Ion Ratio Lower Upper

96 100

61 113.5 0.0 229.0

98 64.4 0.0 127.2



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

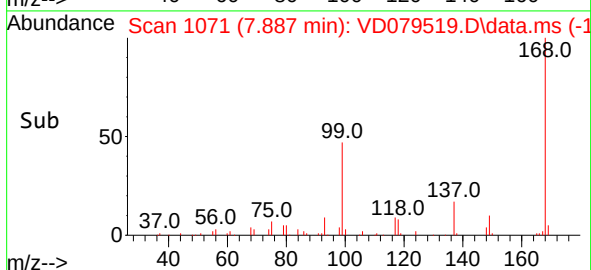
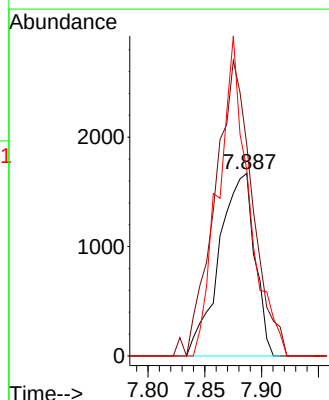
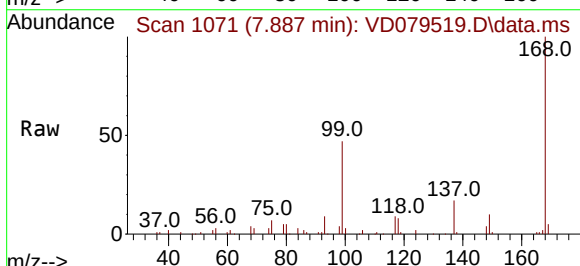
Tgt Ion: 56 Resp: 3642

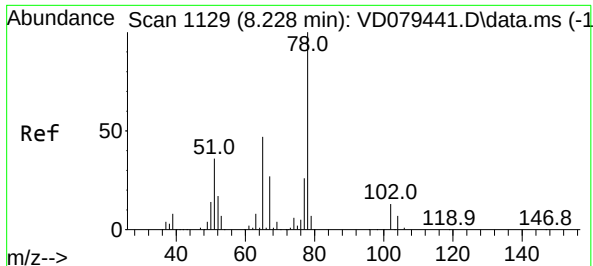
Ion Ratio Lower Upper

56 100

69 105.7 28.0 42.0#

84 102.2 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 67.263 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

Instrument :

MSVOA_D

ClientSampleId :

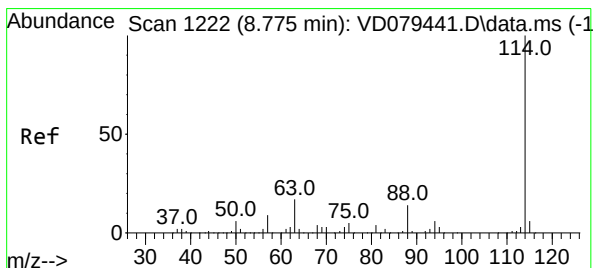
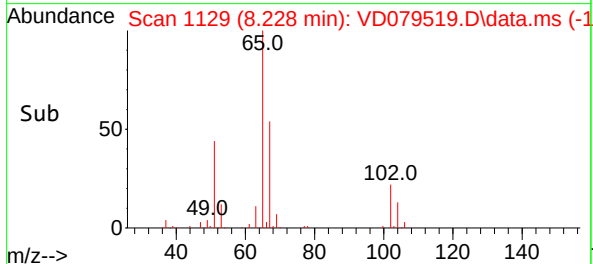
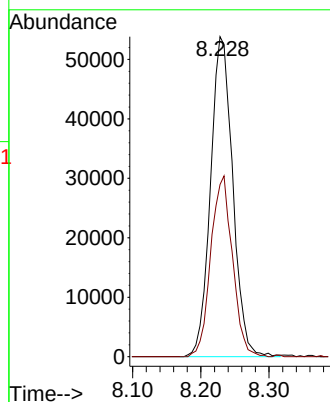
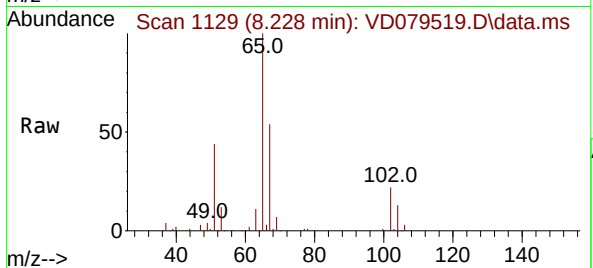
S-863-K2-SO-13.5-14-072024

Tgt Ion: 65 Resp: 122200

Ion Ratio Lower Upper

65 100

67 55.0 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: VD079519.D

Acq: 01 Aug 2024 03:36

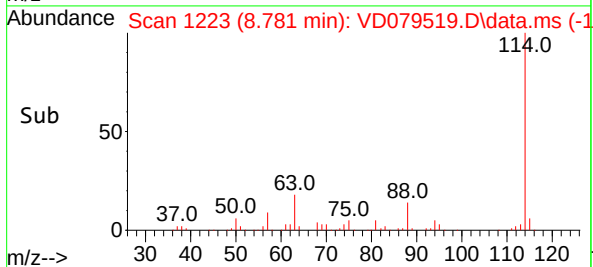
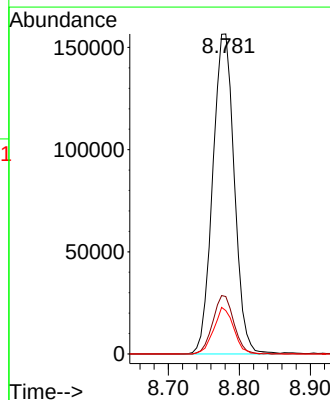
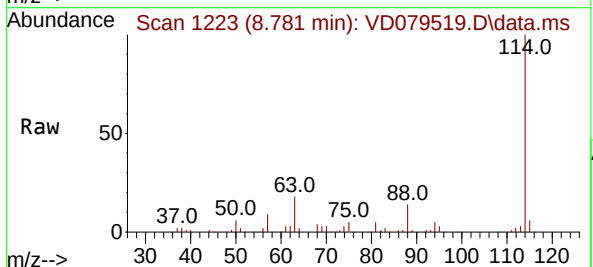
Tgt Ion: 114 Resp: 330338

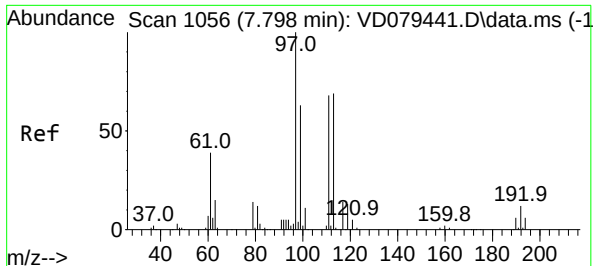
Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

88 13.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 57.194 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

Instrument :

MSVOA_D

ClientSampleId :

S-863-K2-SO-13.5-14-072024

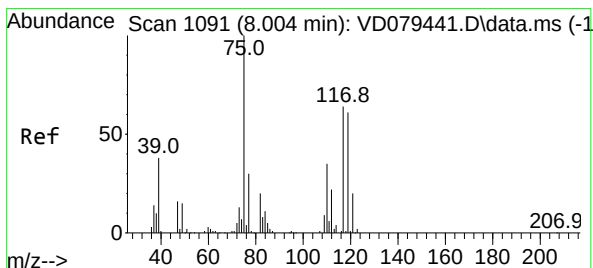
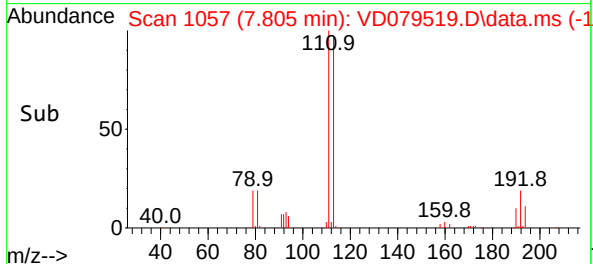
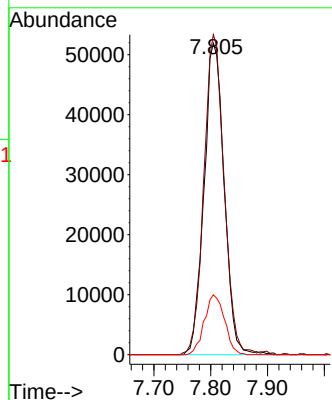
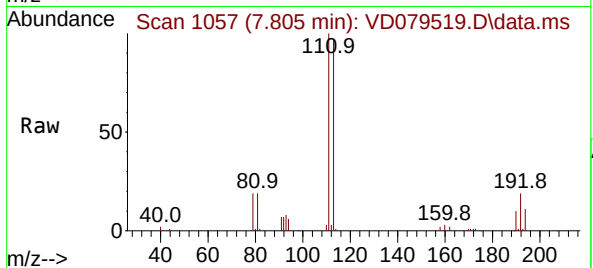
Tgt Ion:113 Resp: 127880

Ion Ratio Lower Upper

113 100

111 102.8 84.0 126.0

192 19.2 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.269 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

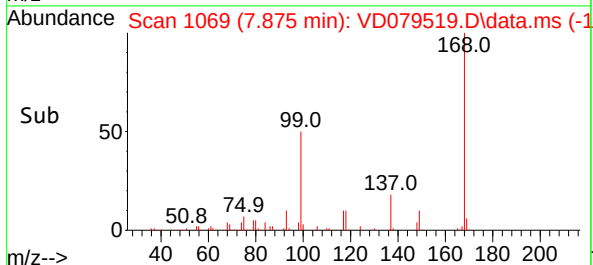
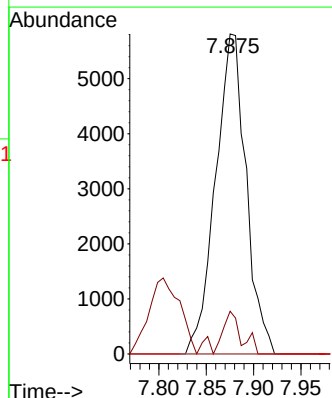
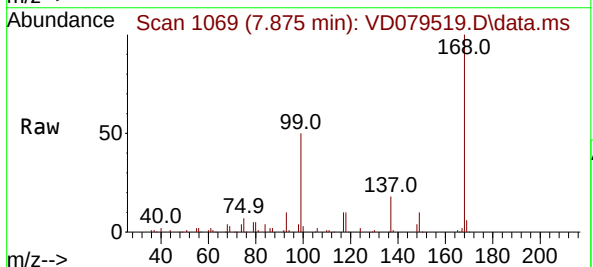
Tgt Ion: 75 Resp: 13029

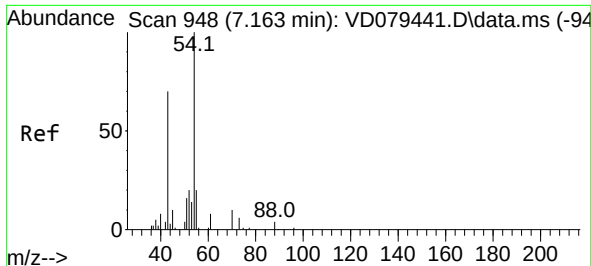
Ion Ratio Lower Upper

75 100

110 7.9 19.6 58.7#

77 0.0 26.1 39.1#

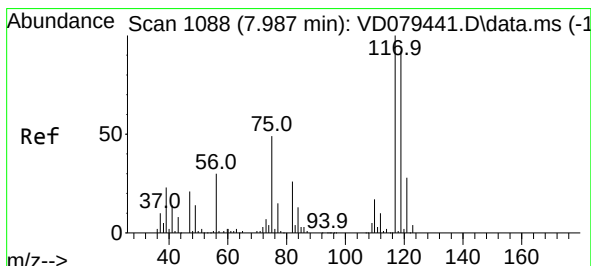
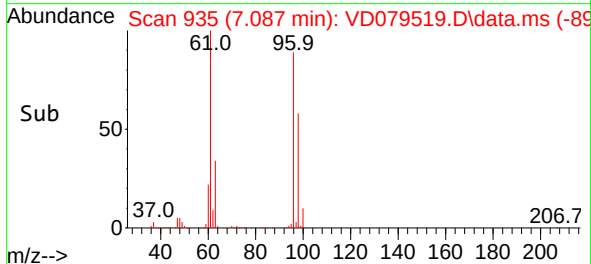
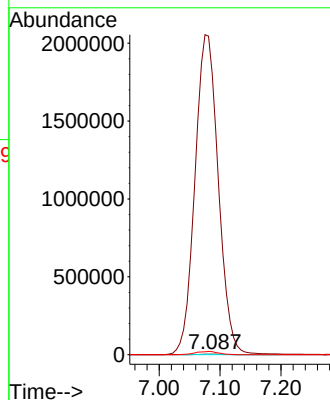
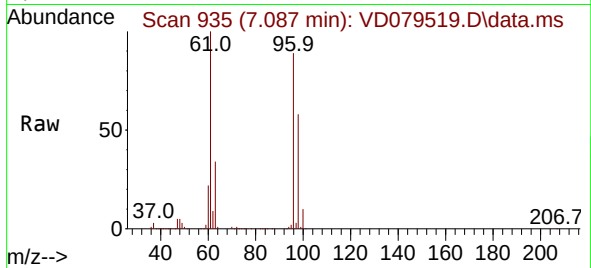




#37
Ethyl Acetate
Concen: 7.040 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.088 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

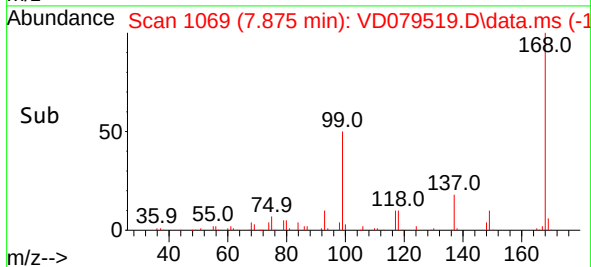
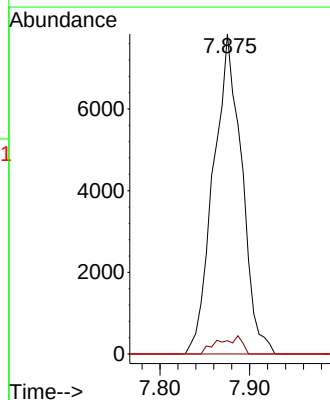
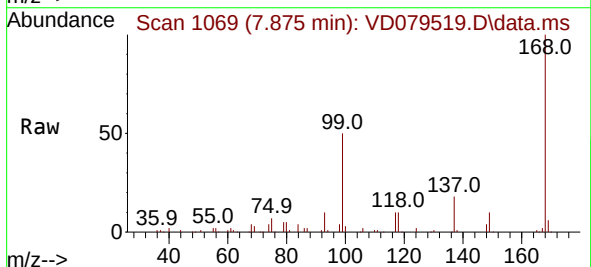
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-13.5-14-072024

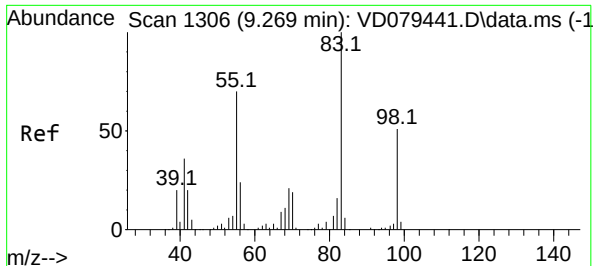
Tgt Ion: 43 Resp: 8809
Ion Ratio Lower Upper
43 100
61 62408.0 13.9 20.9#
70 620.4 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 5.363 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

Tgt Ion: 117 Resp: 17205
Ion Ratio Lower Upper
117 100
119 4.1 75.4 113.0#
121 0.0 25.0 37.4#





#39

Methylcyclohexane

Concen: 3.585 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.247 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

Instrument :

MSVOA_D

ClientSampleId :

S-863-K2-SO-13.5-14-072024

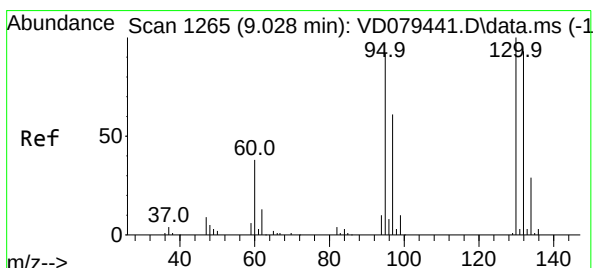
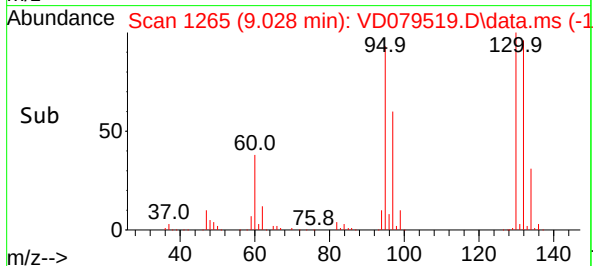
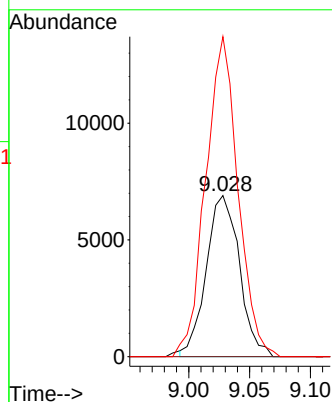
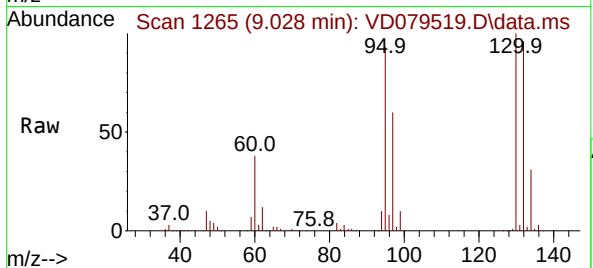
Tgt Ion: 83 Resp: 13053

Ion Ratio Lower Upper

83 100

55 0.0 50.1 75.1#

98 198.5 41.9 62.9#



#44

Trichloroethene

Concen: 444.346 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079519.D

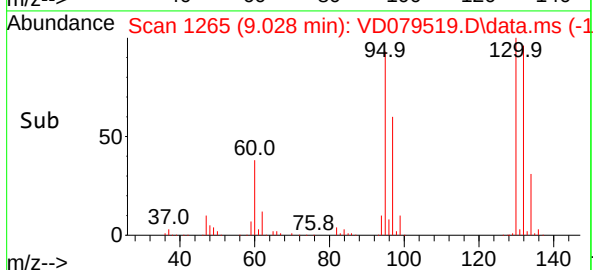
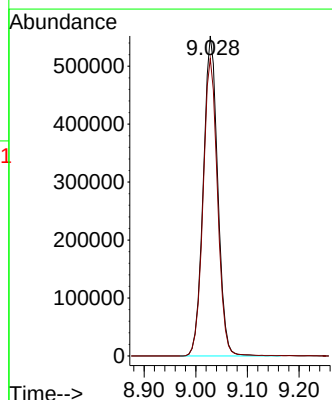
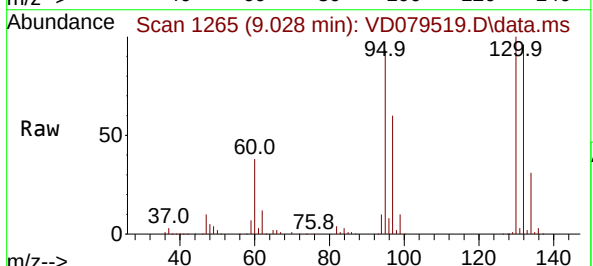
Acq: 01 Aug 2024 03:36

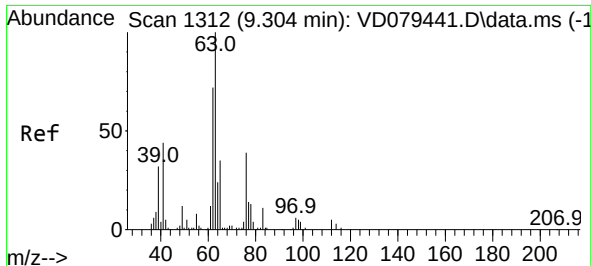
Tgt Ion:130 Resp: 1072153

Ion Ratio Lower Upper

130 100

95 93.0 0.0 177.8





#45

1,2-Dichloropropane

Concen: 1.017 ug/l

RT: 9.022 min Scan# 11

Delta R.T. -0.276 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

Instrument :

MSVOA_D

ClientSampleId :

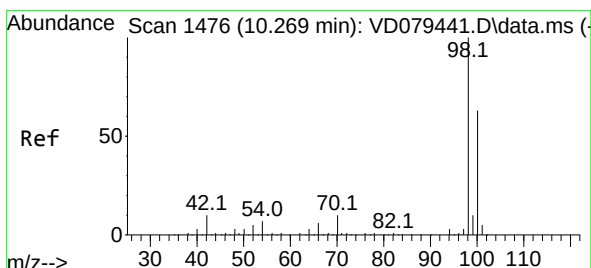
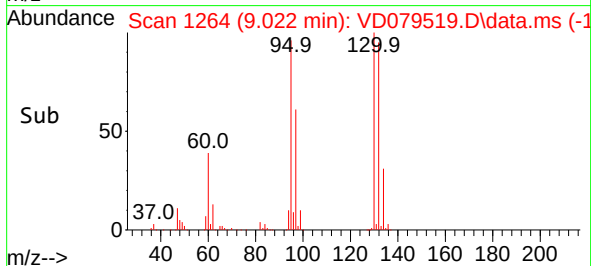
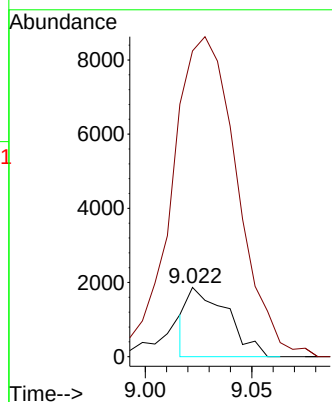
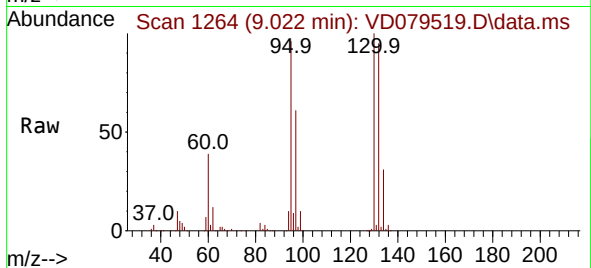
S-863-K2-SO-13.5-14-072024

Tgt Ion: 63 Resp: 2400

Ion Ratio Lower Upper

63 100

65 421.7 23.8 35.8#



#50

Toluene-d8

Concen: 49.892 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079519.D

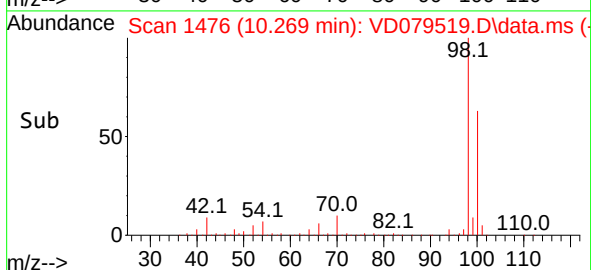
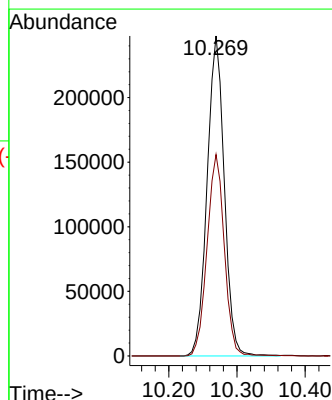
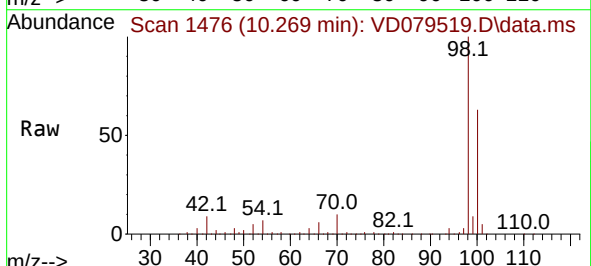
Acq: 01 Aug 2024 03:36

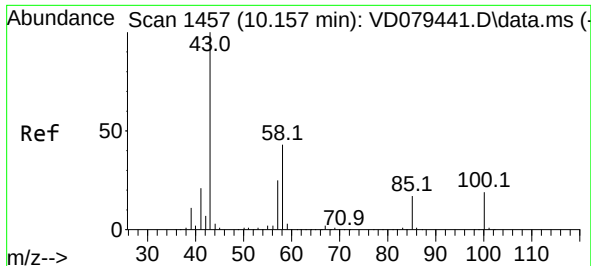
Tgt Ion: 98 Resp: 433202

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.615 ug/l

RT: 10.263 min Scan# 1457

Delta R.T. 0.106 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

Instrument :

MSVOA_D

ClientSampleId :

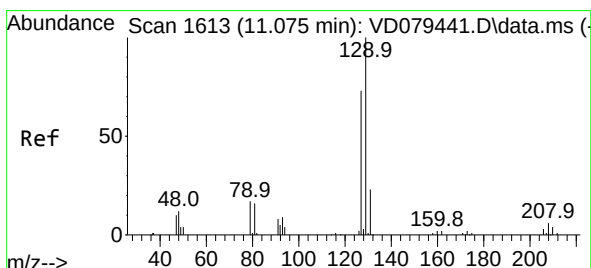
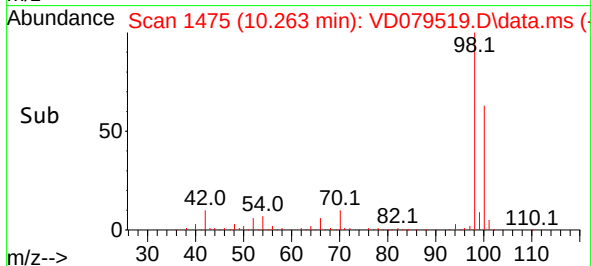
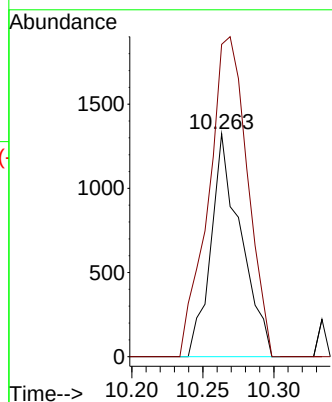
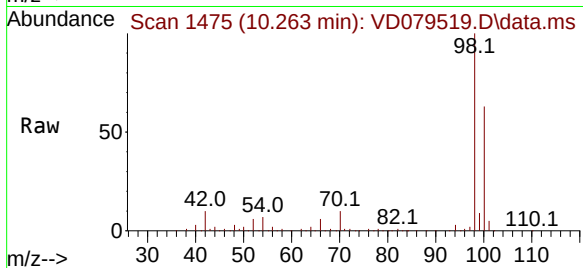
S-863-K2-SO-13.5-14-072024

Tgt Ion: 43 Resp: 1939

Ion Ratio Lower Upper

43 100

58 187.2 36.6 55.0#



#60

Dibromochloromethane

Concen: 5.235 ug/l

RT: 10.804 min Scan# 1567

Delta R.T. -0.265 min

Lab File: VD079519.D

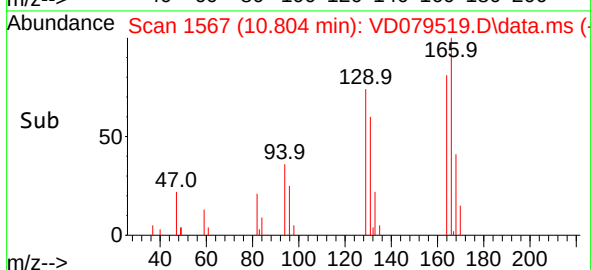
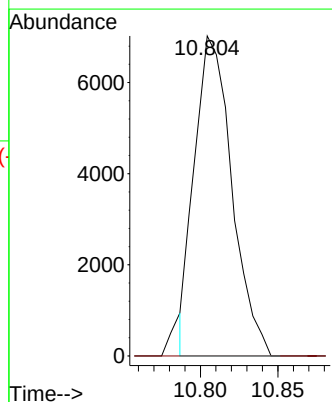
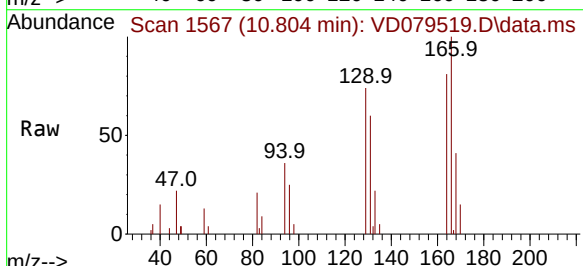
Acq: 01 Aug 2024 03:36

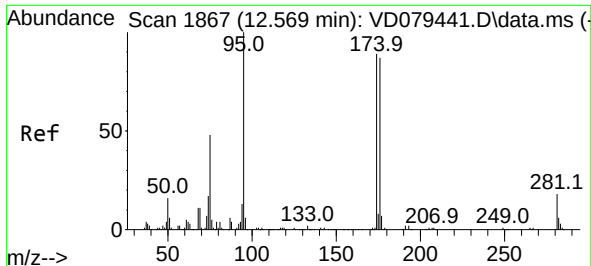
Tgt Ion: 129 Resp: 11780

Ion Ratio Lower Upper

129 100

127 0.0 38.0 113.9#

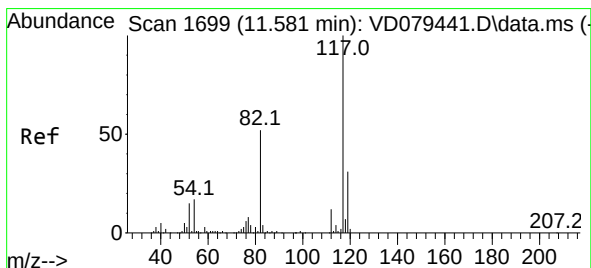
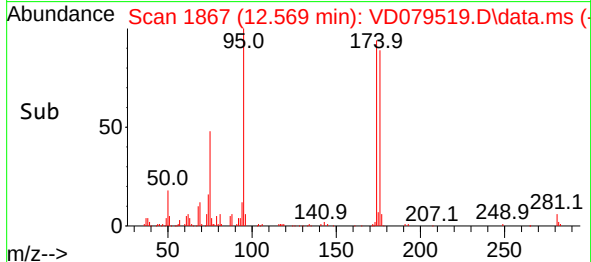
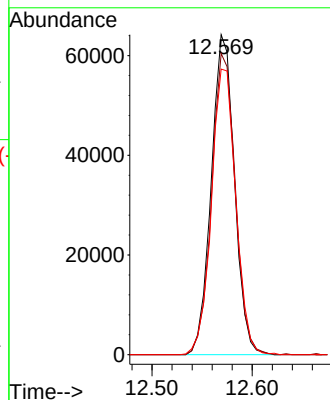
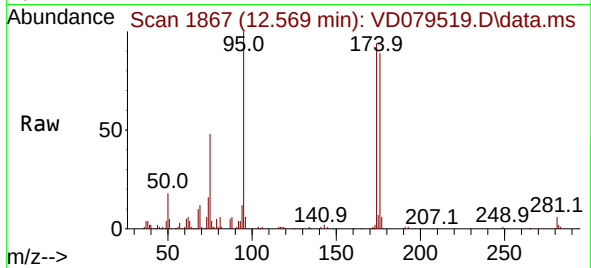




#62
4-Bromofluorobenzene
Concen: 41.060 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

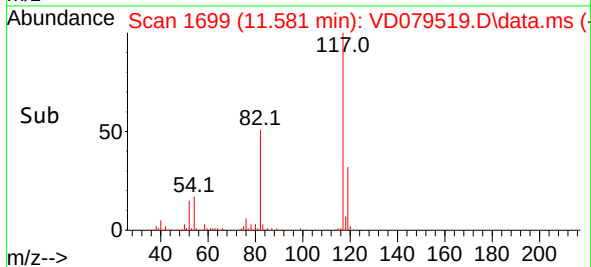
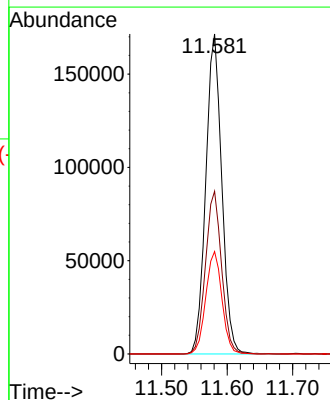
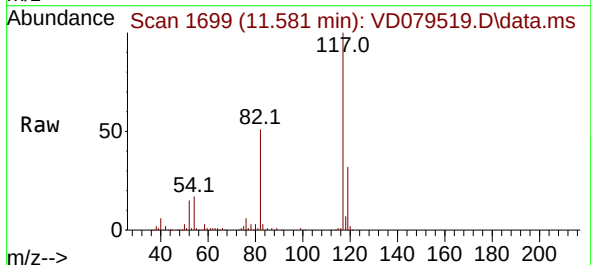
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-13.5-14-072024

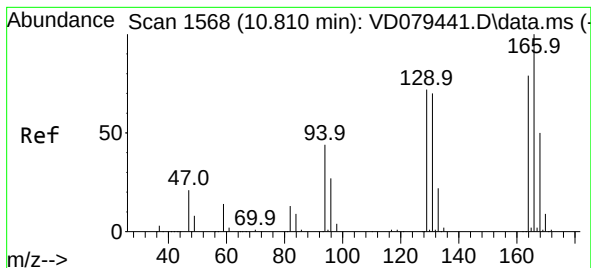
Tgt Ion: 95 Resp: 103168
Ion Ratio Lower Upper
95 100
174 96.0 0.0 195.4
176 93.7 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

Tgt Ion: 117 Resp: 290687
Ion Ratio Lower Upper
117 100
82 50.9 39.8 59.6
119 32.0 25.7 38.5





#64

Tetrachloroethene

Concen: 6.908 ug/l

RT: 10.804 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD079519.D

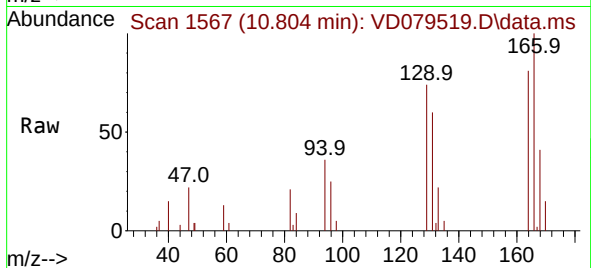
Acq: 01 Aug 2024 03:36

Instrument :

MSVOA_D

ClientSampleId :

S-863-K2-SO-13.5-14-072024



Tgt Ion:164 Resp: 13540

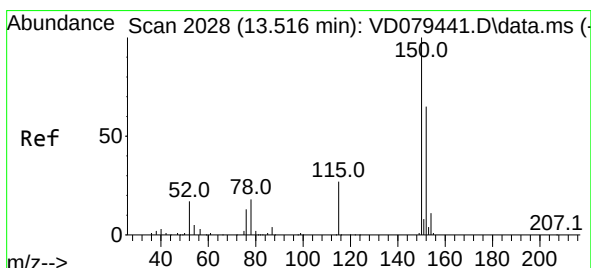
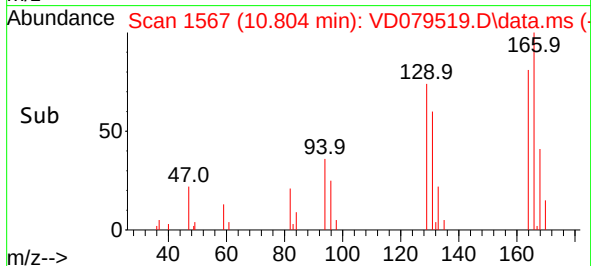
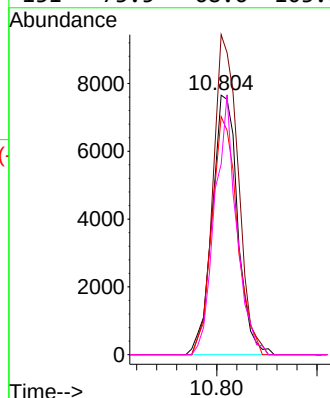
Ion Ratio Lower Upper

164 100

166 123.3 108.6 163.0

129 91.7 74.6 112.0

131 73.5 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: VD079519.D

Acq: 01 Aug 2024 03:36

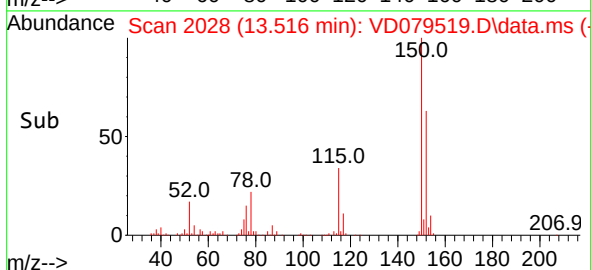
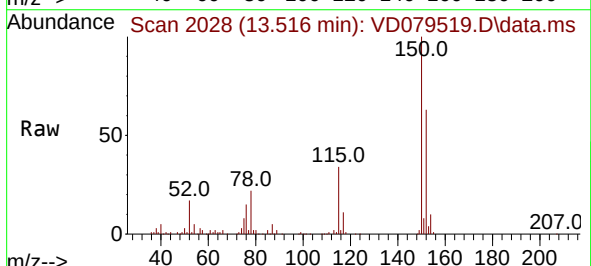
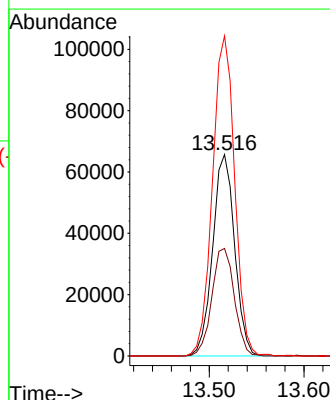
Tgt Ion:152 Resp: 105935

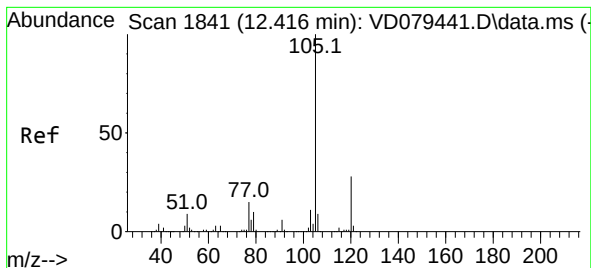
Ion Ratio Lower Upper

152 100

115 54.5 26.5 79.5

150 159.7 0.0 341.6





#73

Isopropylbenzene

Concen: 3.638 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079519.D

Acq: 01 Aug 2024 03:36

Instrument :

MSVOA_D

ClientSampleId :

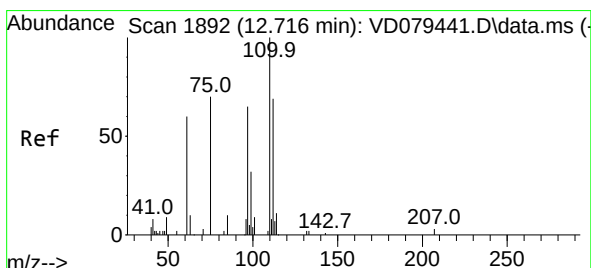
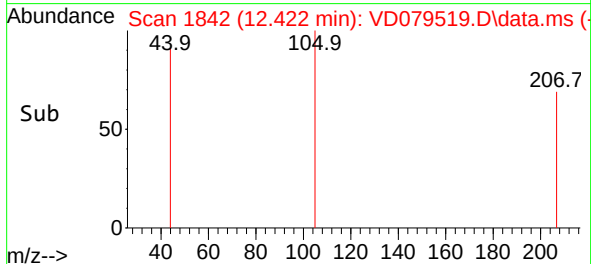
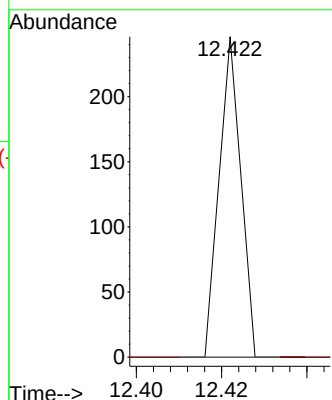
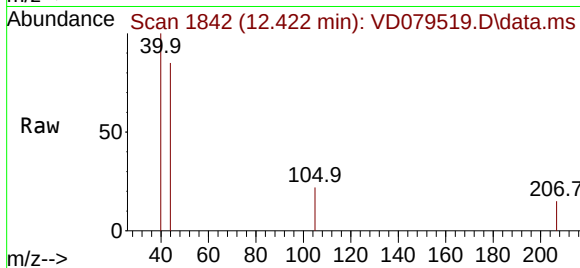
S-863-K2-SO-13.5-14-072024

Tgt Ion:105 Resp: 87

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 54.278 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079519.D

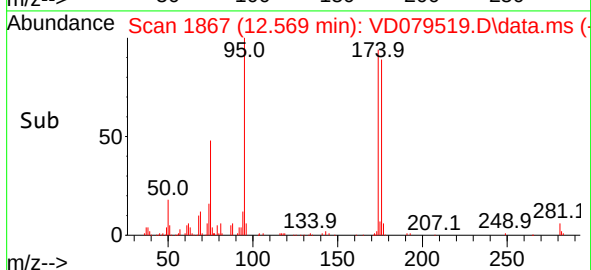
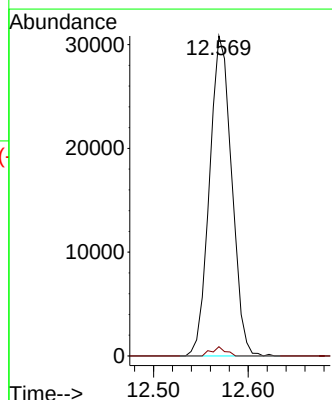
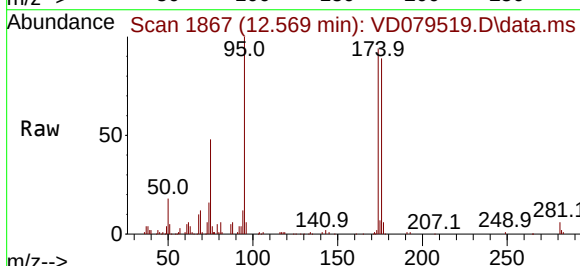
Acq: 01 Aug 2024 03:36

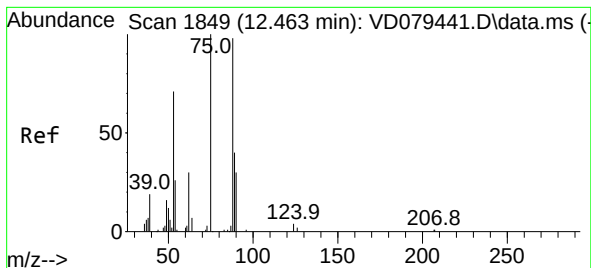
Tgt Ion: 75 Resp: 50260

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

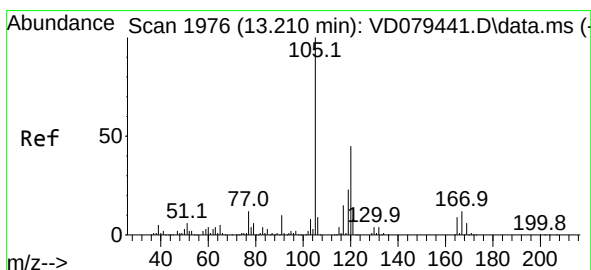
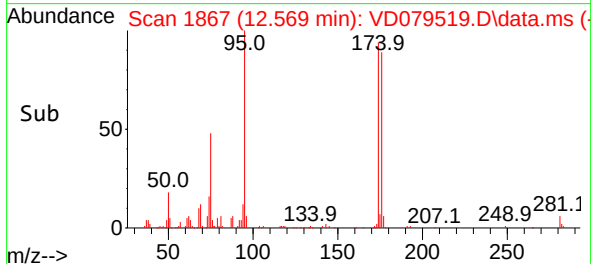
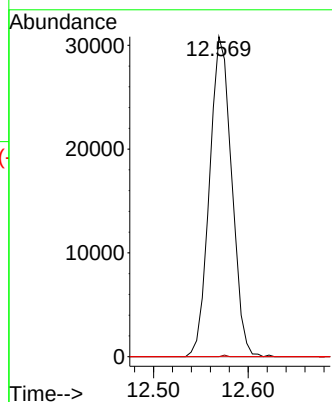
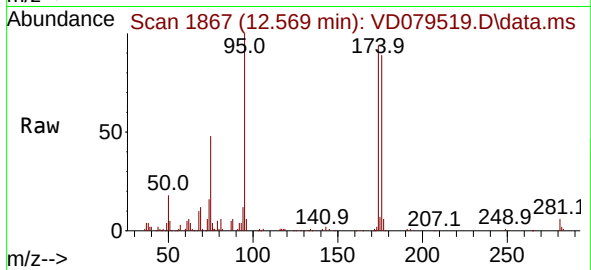




#81
trans-1,4-Dichloro-2-butene
Concen: 103.522 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

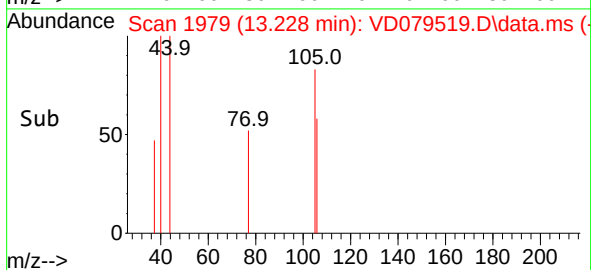
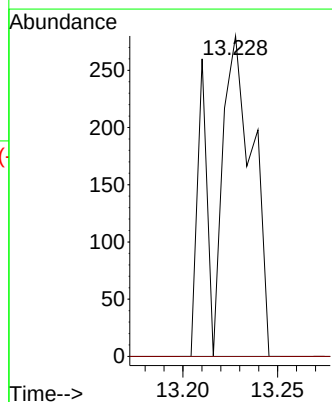
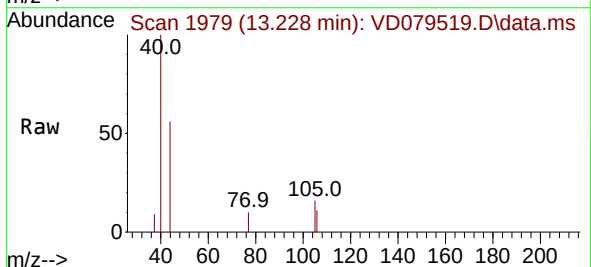
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-13.5-14-072024

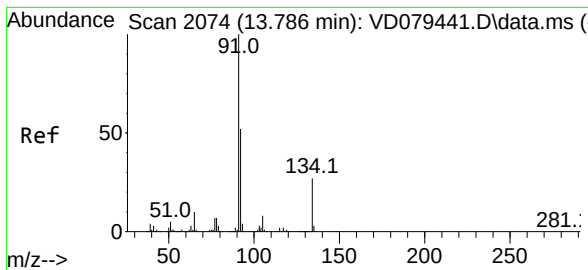
Tgt Ion: 75 Resp: 50260
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.484 ug/l
RT: 13.228 min Scan# 1979
Delta R.T. 0.024 min
Lab File: VD079519.D
Acq: 01 Aug 2024 03:36

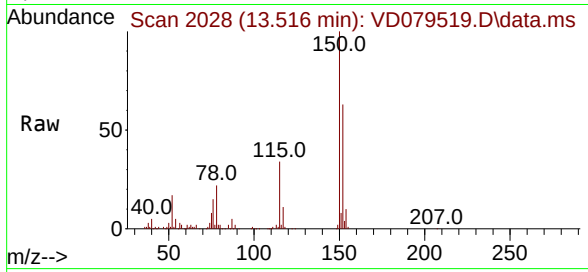
Tgt Ion:105 Resp: 396
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#89
 n-Butylbenzene
 Concen: 3.790 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.265 min
 Lab File: VD079519.D
 Acq: 01 Aug 2024 03:36

Instrument :
 MSVOA_D
 ClientSampleId :
 S-863-K2-SO-13.5-14-072024



Tgt Ion:	91	Resp:	57
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

