

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079521.D
 Acq On : 01 Aug 2024 04:31
 Operator : RP/MD
 Sample : P3374-07
 Misc : 7.33G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-862-K2-SO-12-12.5-072024

Quant Time: Aug 01 04:50:03 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)

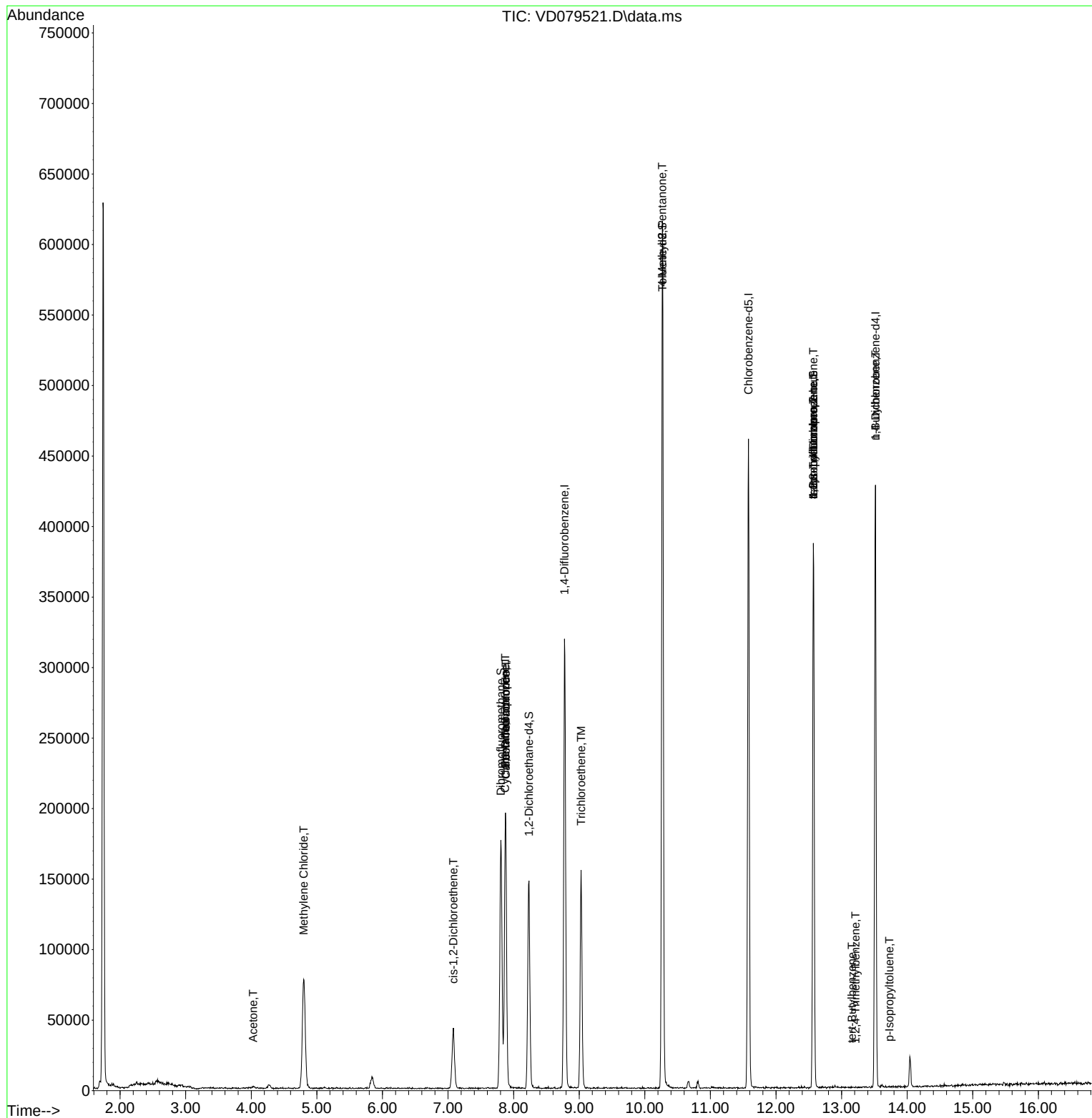
Internal Standards						
1) Pentafluorobenzene	7.875	168	159584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	291893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	281848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	120302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	113950	70.286	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.580%			
35) Dibromofluoromethane	7.805	113	127262	64.415	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 128.820%			
50) Toluene-d8	10.269	98	441246	57.512	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.020%			
62) 4-Bromofluorobenzene	12.569	95	113167	50.972	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.940%			
Target Compounds						Qvalue
5) Bromomethane	2.722	94	59	Below Cal		98
11) Tert butyl alcohol	5.064	59	79	Below Cal	#	86
16) Acetone	4.028	43	2334	7.408	ug/l #	74
20) Methylene Chloride	4.799	84	63929	18.492	ug/l #	86
27) cis-1,2-Dichloroethene	7.081	96	26832	12.119	ug/l	96
31) Cyclohexane	7.869	56	3319	1.233	ug/l #	38
36) 1,1-Dichloropropene	7.875	75	11767	4.364	ug/l #	46
38) Carbon Tetrachloride	7.881	117	14860	5.242	ug/l #	16
44) Trichloroethene	9.028	130	57314	26.882	ug/l	99
51) 4-Methyl-2-Pentanone	10.263	43	1366	1.288	ug/l #	1
73) Isopropylbenzene	12.569	105	333	3.662	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	55719	52.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	55719	101.061	ug/l #	19
83) tert-Butylbenzene	13.157	119	69	3.638	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.210	105	113	3.442	ug/l #	29
86) p-Isopropyltoluene	13.728	119	65	3.894	ug/l #	51
89) n-Butylbenzene	13.516	91	187	3.804	ug/l #	34

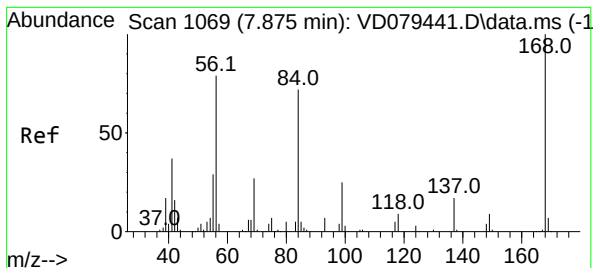
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-862-K2-SO-12-12.5-072024

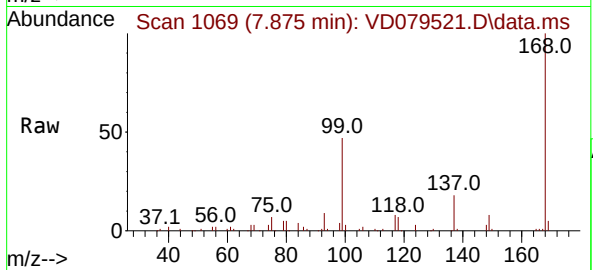
Quant Time: Aug 01 04:50:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



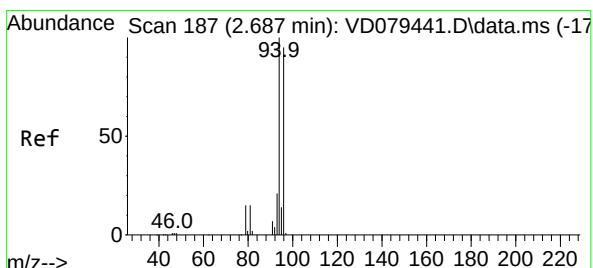
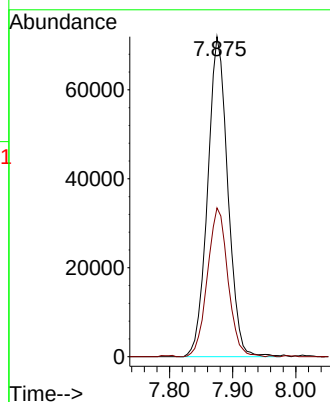
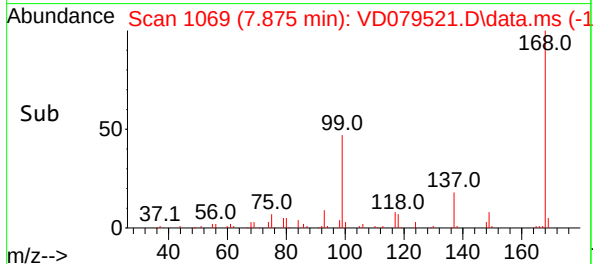


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

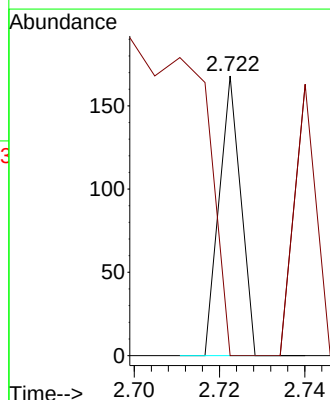
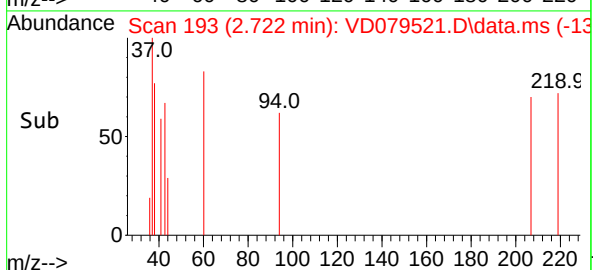
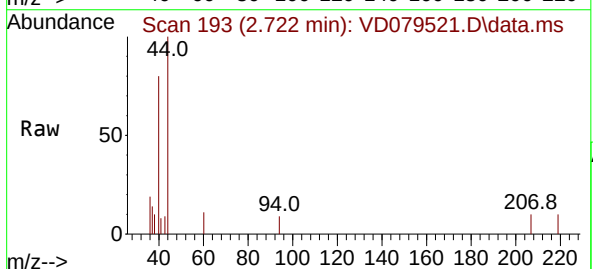


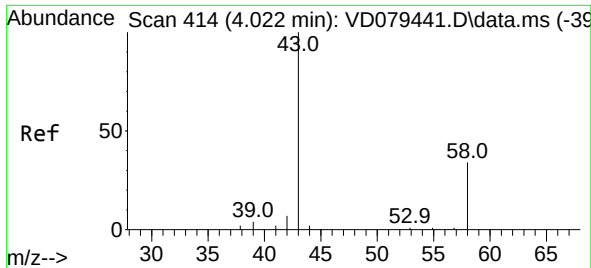
Tgt Ion:168 Resp: 159584
Ion Ratio Lower Upper
168 100
99 46.5 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.722 min Scan# 193
Delta R.T. 0.035 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion: 94 Resp: 59
Ion Ratio Lower Upper
94 100
96 98.3 76.9 115.3





#16

Acetone

Concen: 7.408 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

Instrument :

MSVOA_D

ClientSampleId :

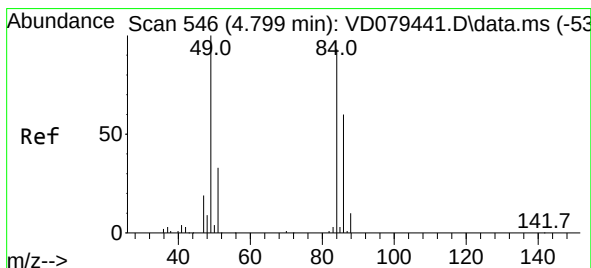
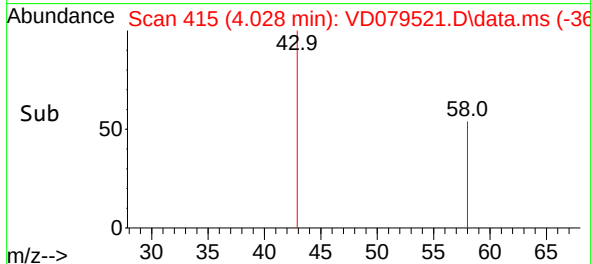
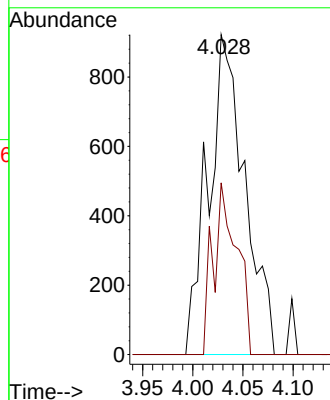
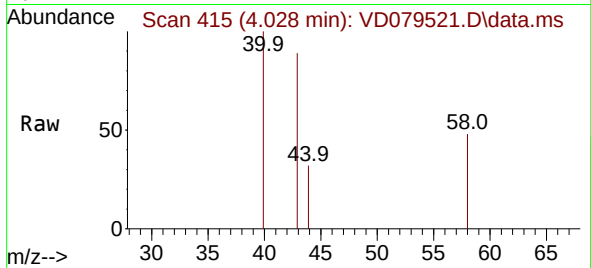
S-862-K2-SO-12-12.5-072024

Tgt Ion: 43 Resp: 2334

Ion Ratio Lower Upper

43 100

58 53.7 30.4 45.6#



#20

Methylene Chloride

Concen: 18.492 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

Tgt Ion: 84 Resp: 63929

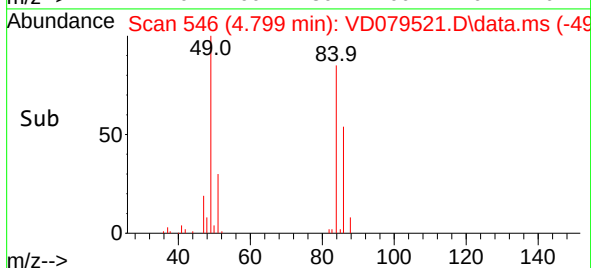
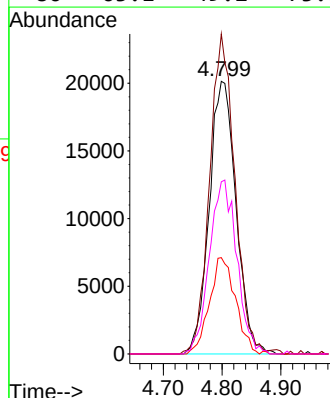
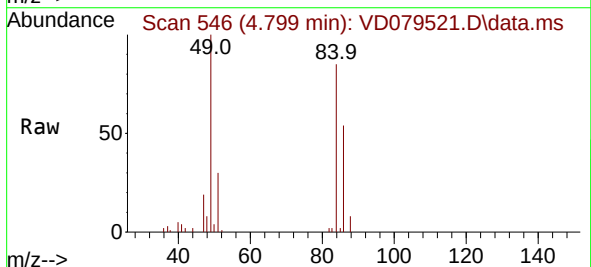
Ion Ratio Lower Upper

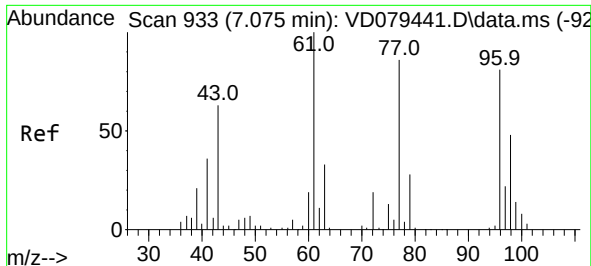
84 100

49 117.4 75.6 113.4#

51 35.3 24.2 36.2

86 63.1 49.2 73.8





#27

cis-1,2-Dichloroethene

Concen: 12.119 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

Instrument :

MSVOA_D

ClientSampleId :

S-862-K2-SO-12-12.5-072024

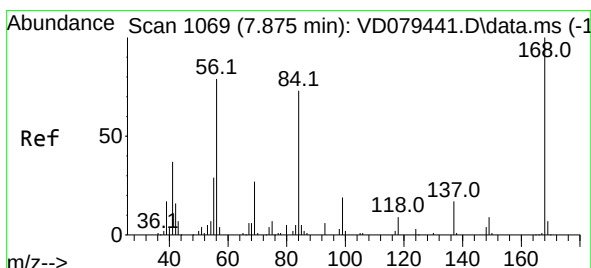
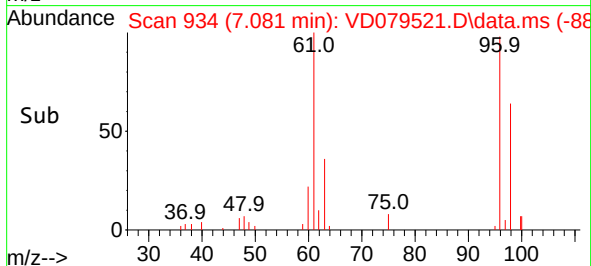
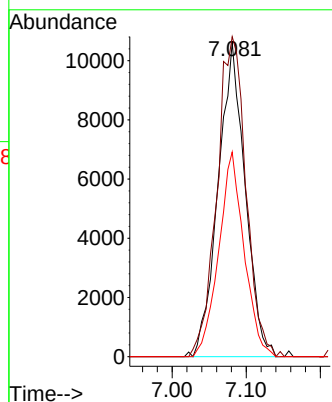
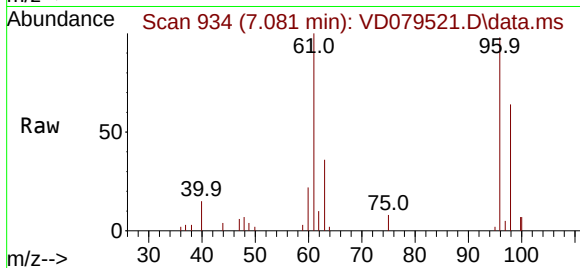
Tgt Ion: 96 Resp: 26832

Ion Ratio Lower Upper

96 100

61 109.4 0.0 229.0

98 61.3 0.0 127.2



#31

Cyclohexane

Concen: 1.233 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

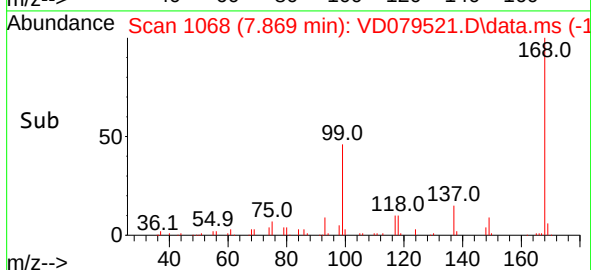
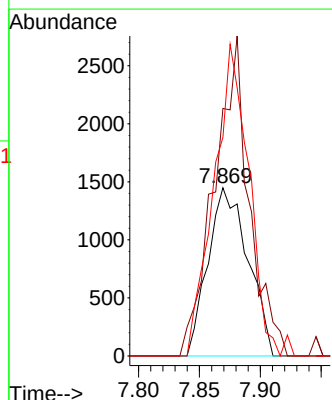
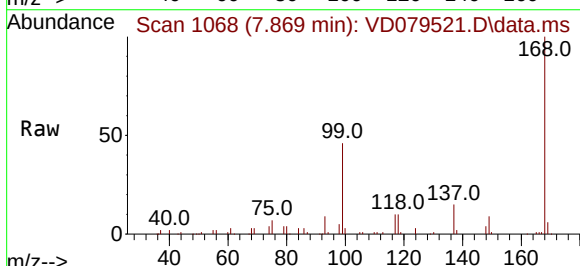
Tgt Ion: 56 Resp: 3319

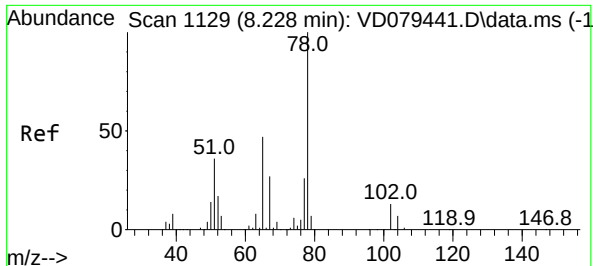
Ion Ratio Lower Upper

56 100

69 147.1 28.0 42.0#

84 130.0 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 70.286 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

Instrument :

MSVOA_D

ClientSampleId :

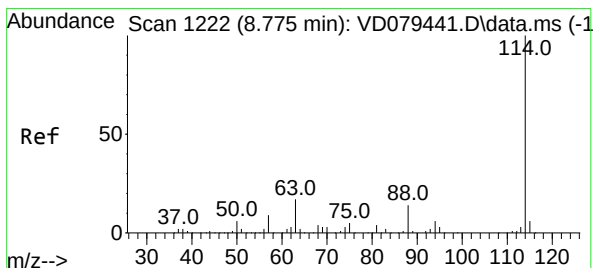
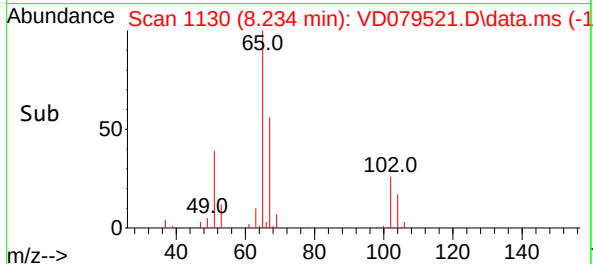
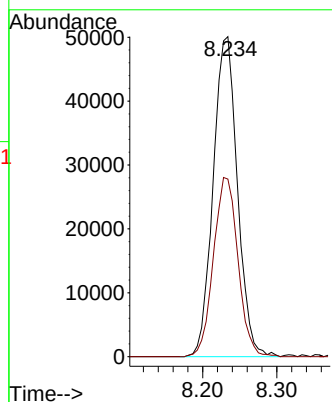
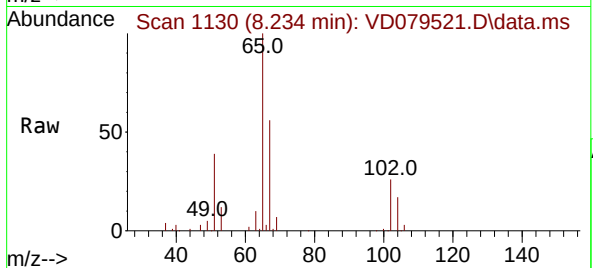
S-862-K2-SO-12-12.5-072024

Tgt Ion: 65 Resp: 113950

Ion Ratio Lower Upper

65 100

67 56.6 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

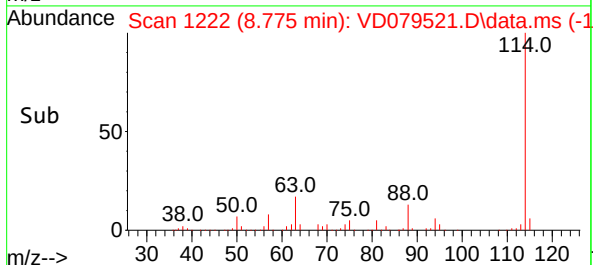
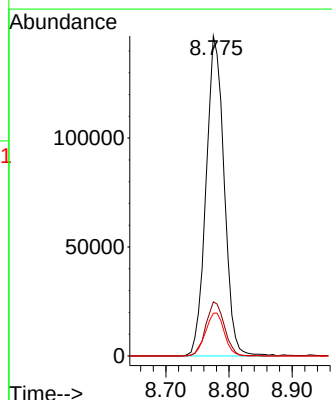
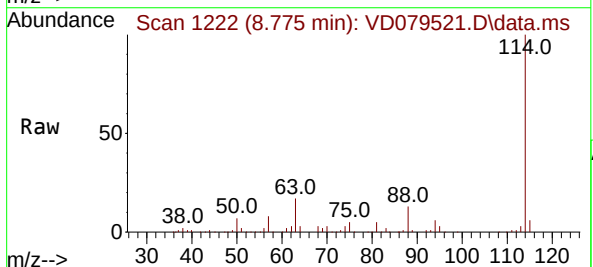
Tgt Ion: 114 Resp: 291893

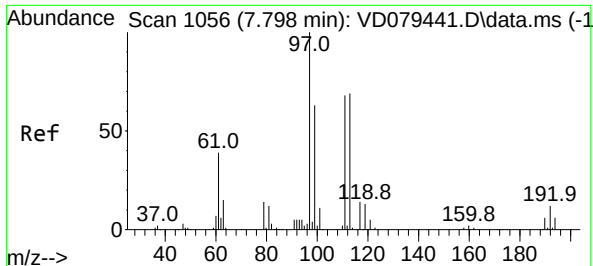
Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.0

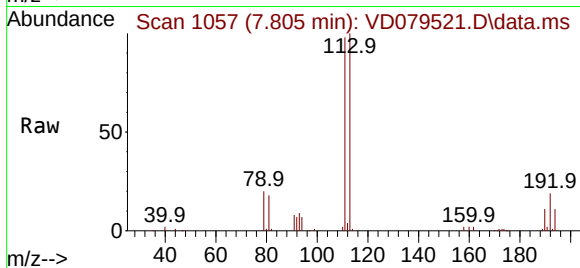
88 13.4 0.0 27.2



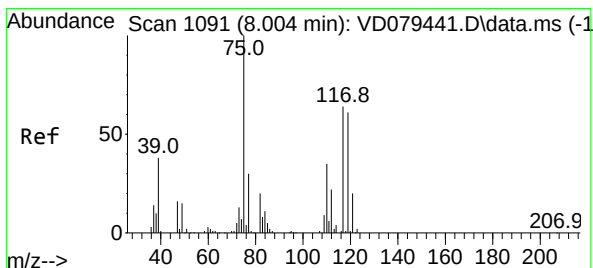
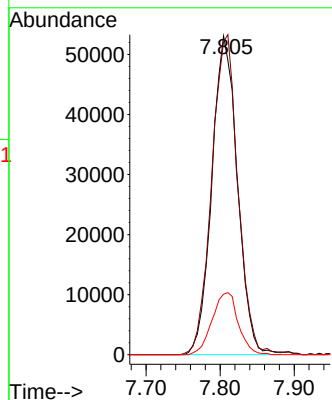
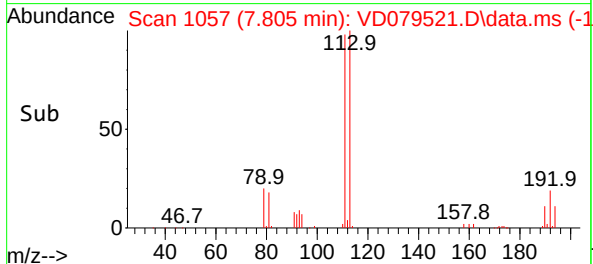


#35
Dibromofluoromethane
Concen: 64.415 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

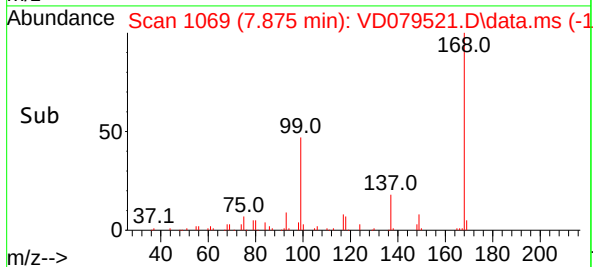
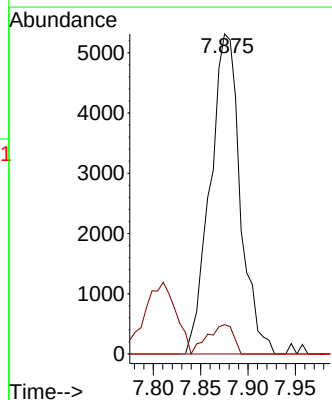
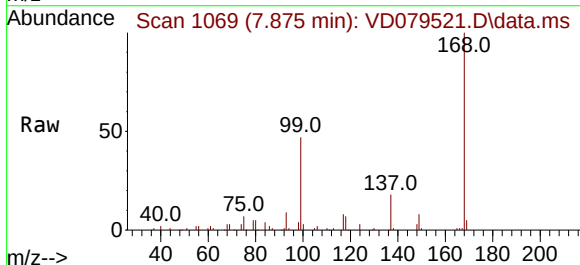


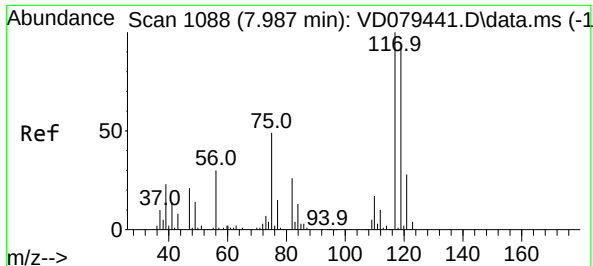
Tgt Ion:113 Resp: 127262
Ion Ratio Lower Upper
113 100
111 102.9 84.0 126.0
192 19.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.364 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

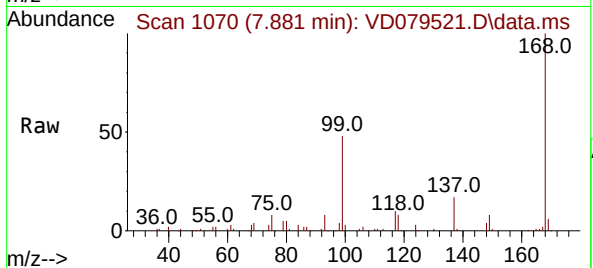
Tgt Ion: 75 Resp: 11767
Ion Ratio Lower Upper
75 100
110 7.9 19.6 58.7#
77 0.0 26.1 39.1#



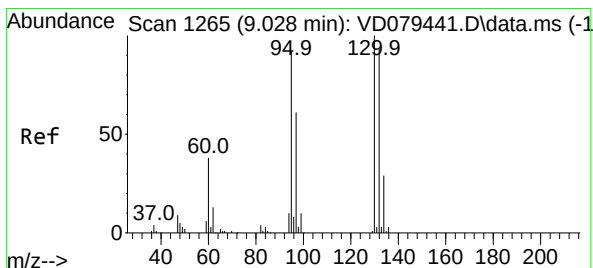
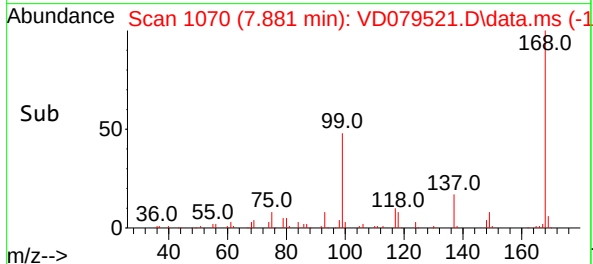
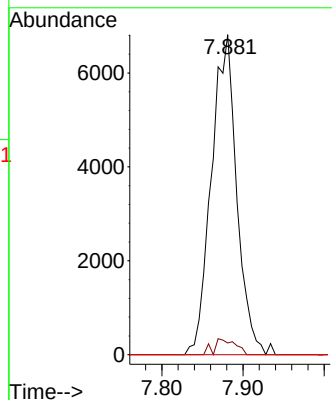


#38
Carbon Tetrachloride
Concen: 5.242 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

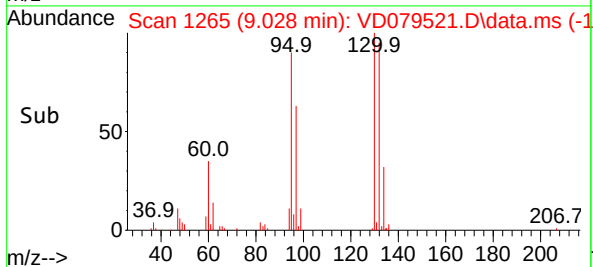
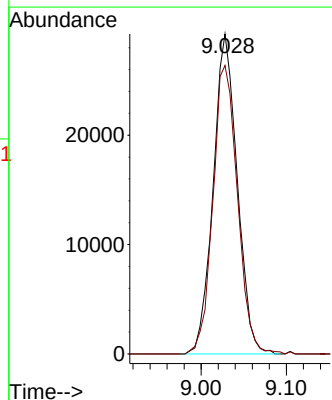
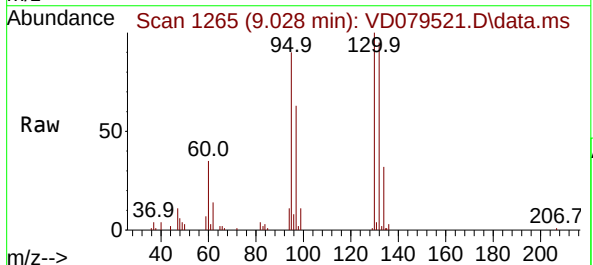


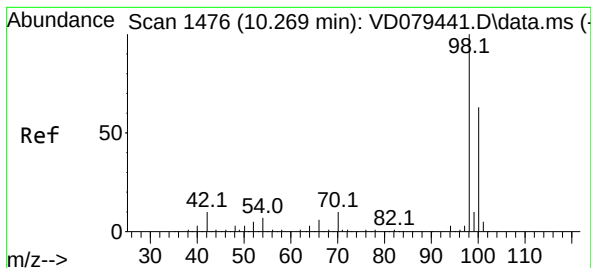
Tgt Ion:117 Resp: 14860
Ion Ratio Lower Upper
117 100
119 3.7 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 26.882 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion:130 Resp: 57314
Ion Ratio Lower Upper
130 100
95 90.1 0.0 177.8

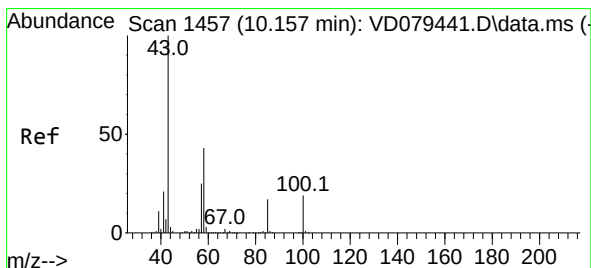
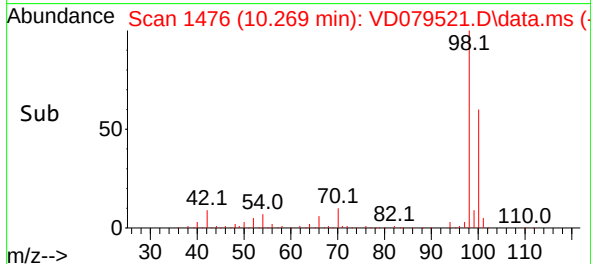
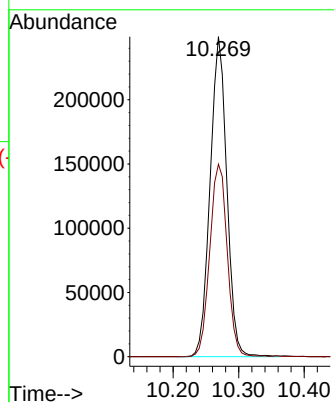
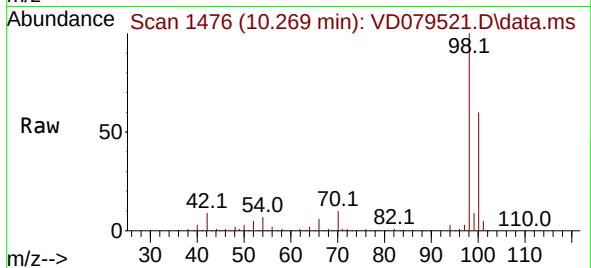




#50
Toluene-d8
Concen: 57.512 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

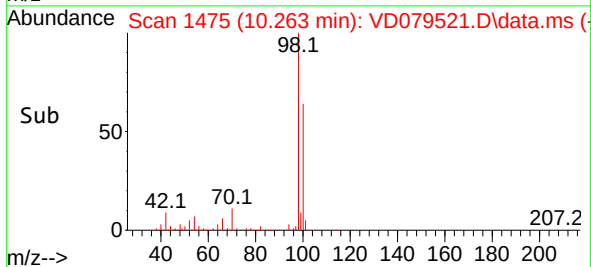
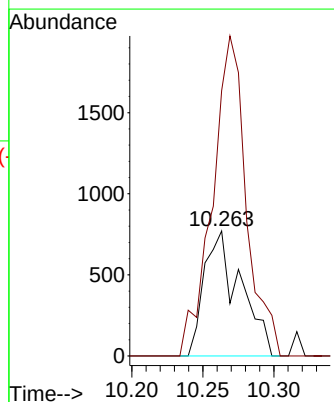
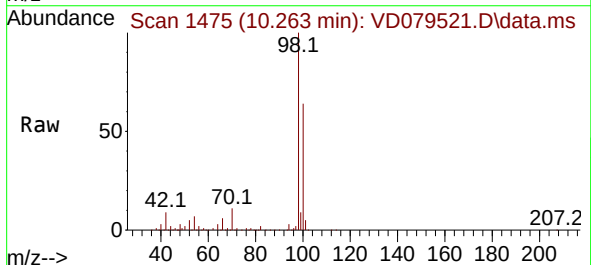
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

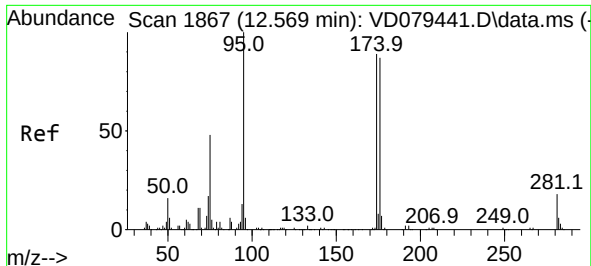
Tgt Ion: 98 Resp: 441246
Ion Ratio Lower Upper
98 100
100 62.8 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.288 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion: 43 Resp: 1366
Ion Ratio Lower Upper
43 100
58 241.1 36.6 55.0#

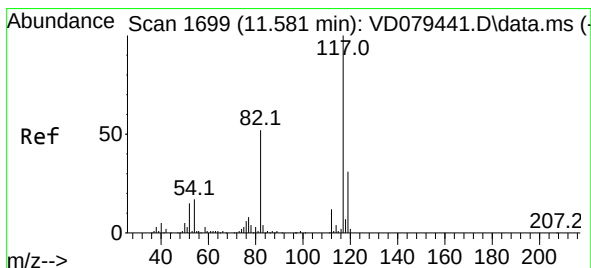
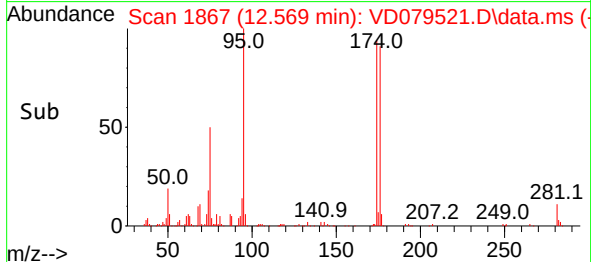
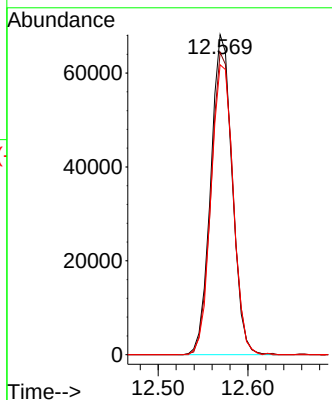
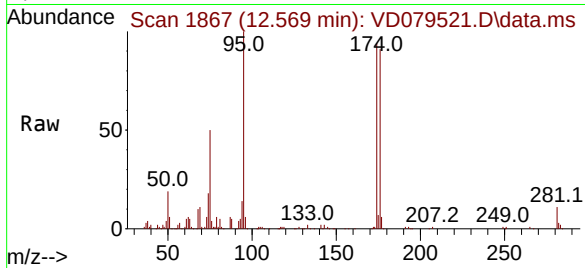




#62
4-Bromofluorobenzene
Concen: 50.972 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

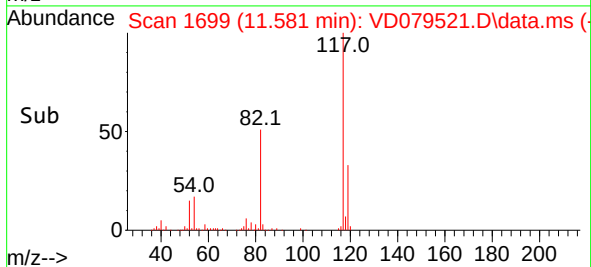
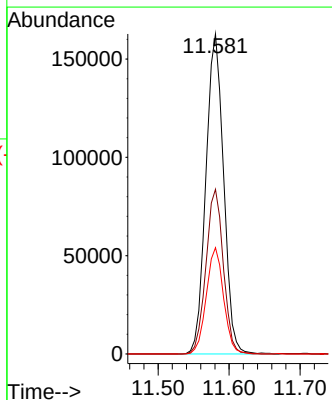
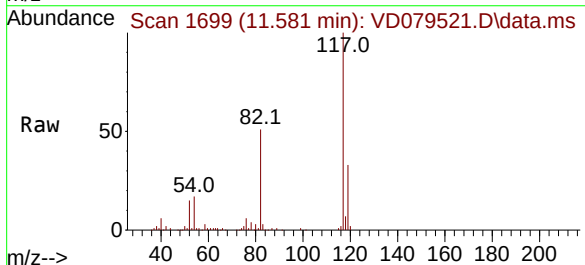
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

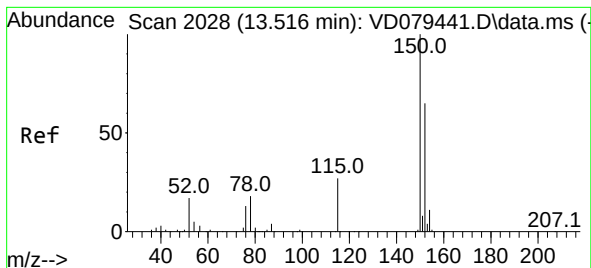
Tgt Ion:	95	Resp:	113167
Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	195.4
176	93.3	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion:	117	Resp:	281848
Ion	Ratio	Lower	Upper
117	100		
82	51.4	39.8	59.6
119	33.2	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: VD079521.D

Acq: 01 Aug 2024 04:31

Instrument :

MSVOA_D

ClientSampleId :

S-862-K2-SO-12-12.5-072024

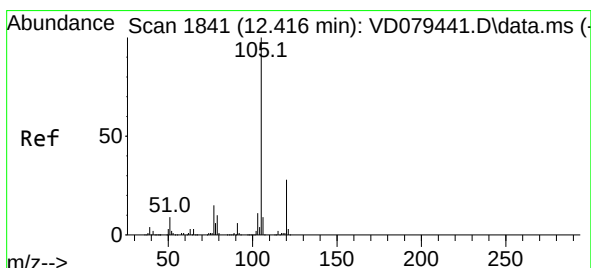
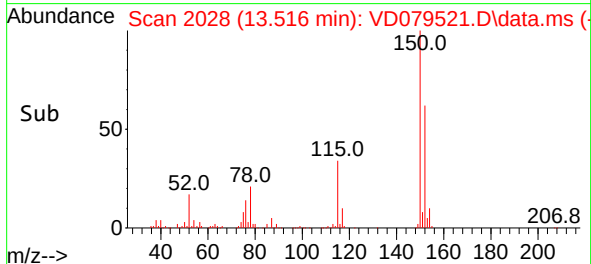
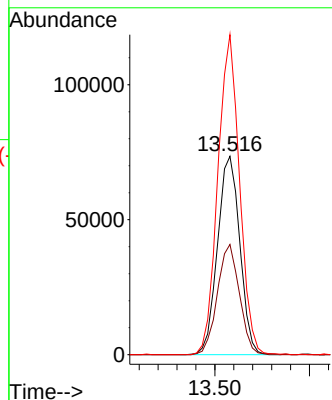
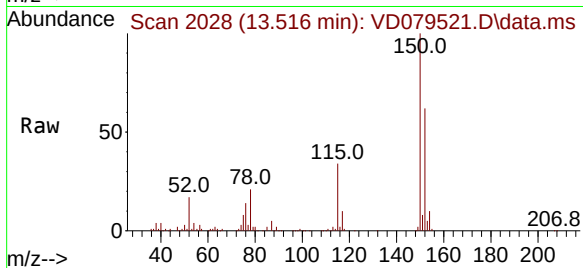
Tgt Ion:152 Resp: 120302

Ion Ratio Lower Upper

152 100

115 54.9 26.5 79.5

150 156.7 0.0 341.6



#73

Isopropylbenzene

Concen: 3.662 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.153 min

Lab File: VD079521.D

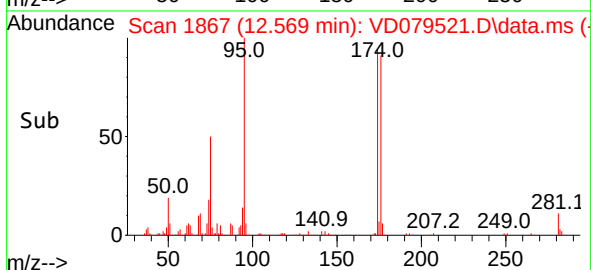
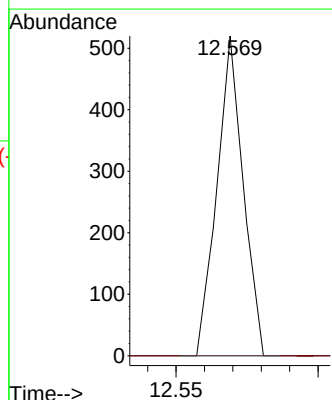
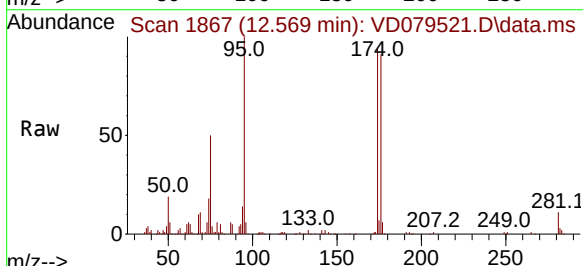
Acq: 01 Aug 2024 04:31

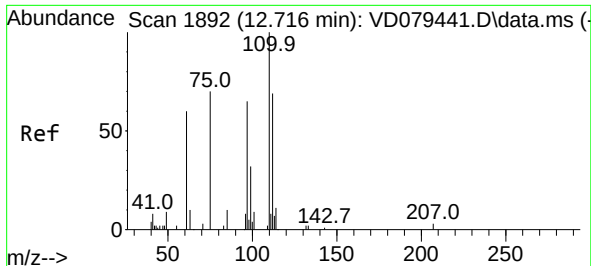
Tgt Ion:105 Resp: 333

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

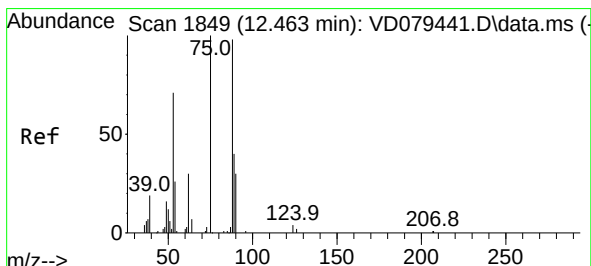
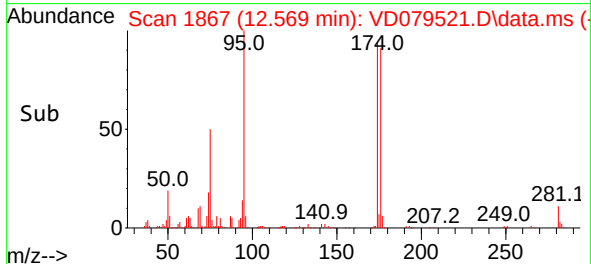
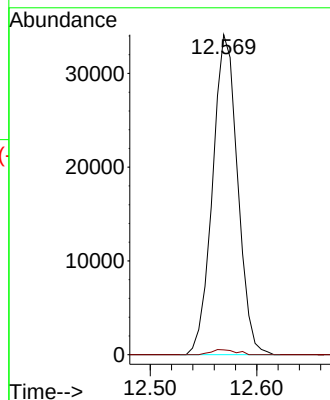
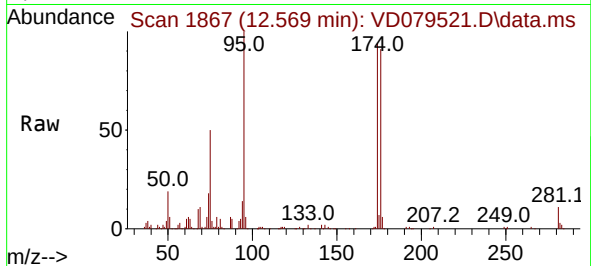




#76
1,2,3-Trichloropropane
Concen: 52.987 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

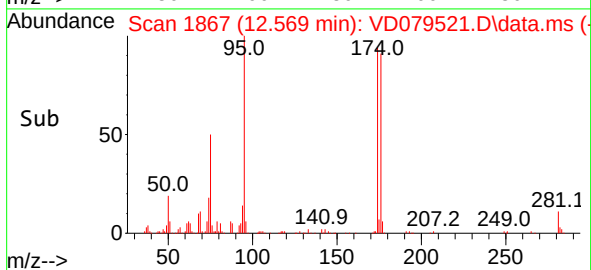
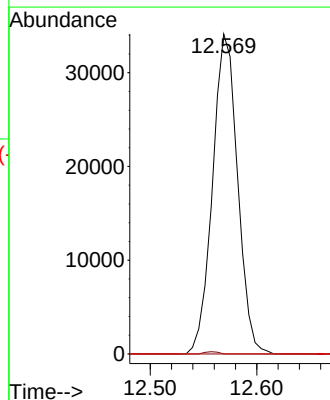
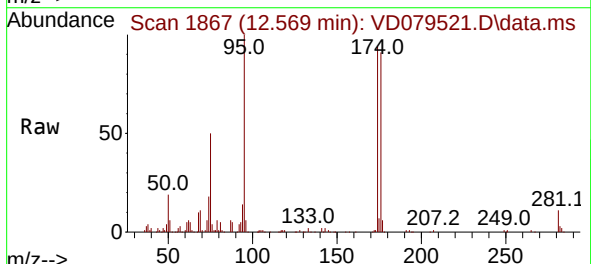
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

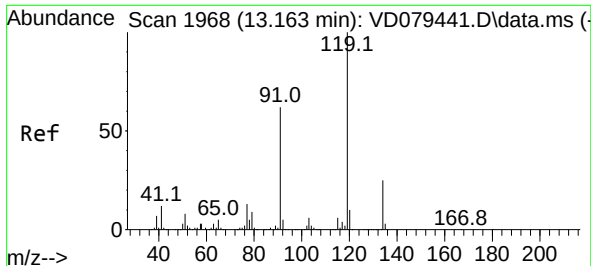
Tgt Ion: 75 Resp: 55719
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.061 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079521.D
Acq: 01 Aug 2024 04:31

Tgt Ion: 75 Resp: 55719
Ion Ratio Lower Upper
75 100
53 0.4 61.4 92.2#
89 0.0 35.4 53.0#





#83

tert-Butylbenzene

Concen: 3.638 ug/l

RT: 13.157 min Scan# 1967

Delta R.T. -0.006 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

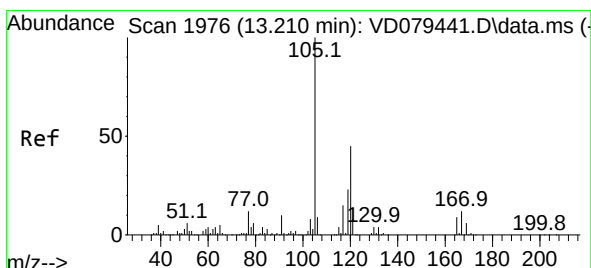
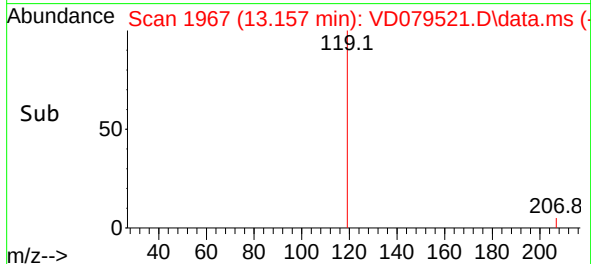
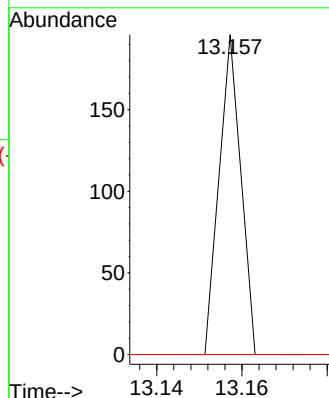
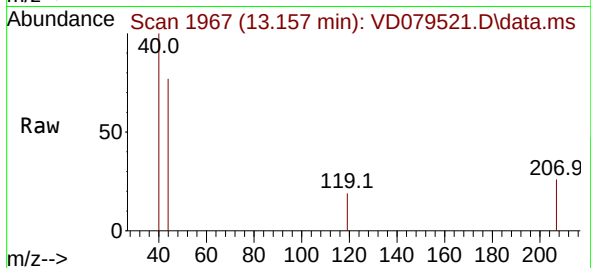
Instrument :

MSVOA_D

ClientSampleId :

S-862-K2-SO-12-12.5-072024

Tgt Ion:119	Resp:	69
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: 3.442 ug/l

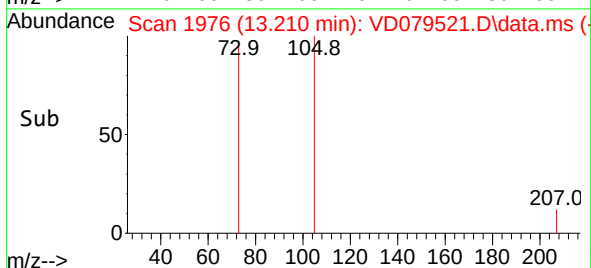
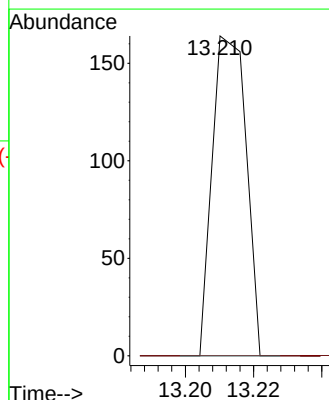
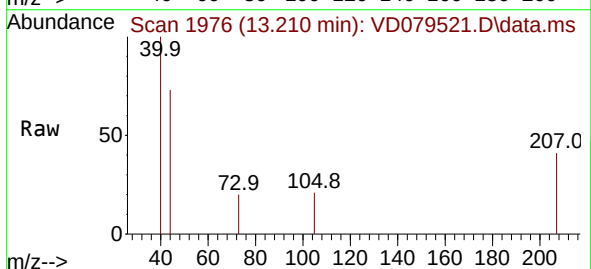
RT: 13.210 min Scan# 1976

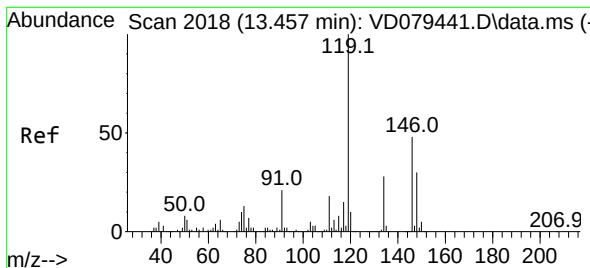
Delta R.T. 0.006 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

Tgt Ion:105	Resp:	113
Ion	Ratio	Lower Upper
105	100	
120	0.0	23.6 71.0#





#86

p-Isopropyltoluene

Concen: 3.894 ug/l

RT: 13.728 min Scan# 2064

Delta R.T. 0.271 min

Lab File: VD079521.D

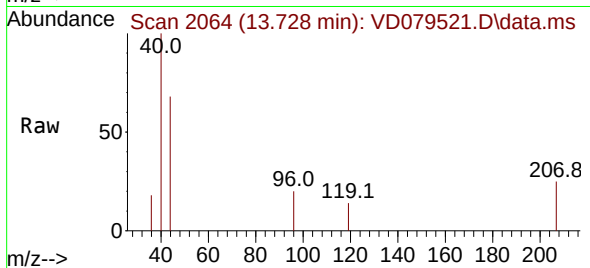
Acq: 01 Aug 2024 04:31

Instrument :

MSVOA_D

ClientSampleId :

S-862-K2-SO-12-12.5-072024



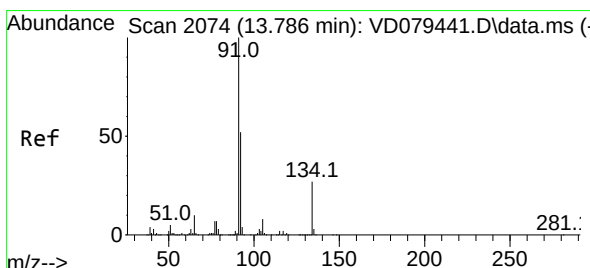
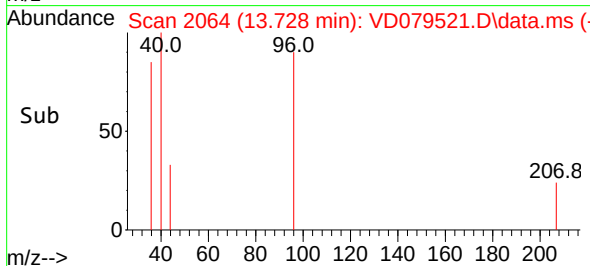
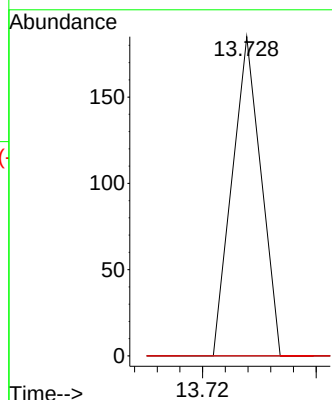
Tgt Ion:119 Resp: 65

Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 0.0 10.7 32.1#



#89

n-Butylbenzene

Concen: 3.804 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.265 min

Lab File: VD079521.D

Acq: 01 Aug 2024 04:31

Tgt Ion: 91 Resp: 187

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

134 0.0 13.6 40.8#

