

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079565.D
 Acq On : 03 Aug 2024 03:35
 Operator : RP/MD
 Sample : P3409-06
 Misc : 6.22G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-867-J-SO-2-2.5-073024

Quant Time: Aug 03 04:25:39 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)

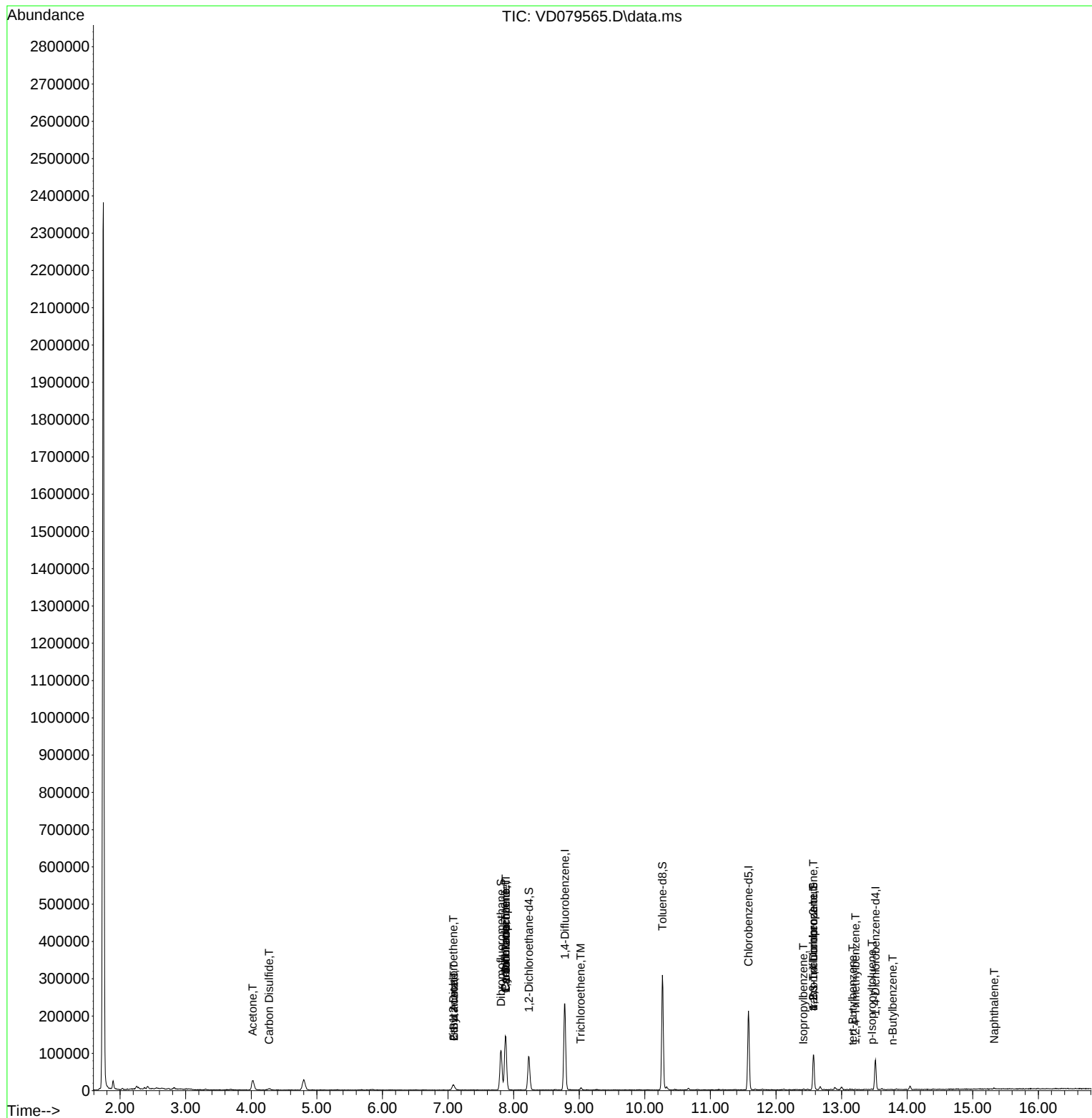
Internal Standards						
1) Pentafluorobenzene	7.875	168	116851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	217694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	126927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	23288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68405	57.624	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.240%			
35) Dibromofluoromethane	7.810	113	77791	52.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.600%			
50) Toluene-d8	10.269	98	214677	37.518	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 75.040%			
62) 4-Bromofluorobenzene	12.569	95	27804	16.792	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 33.580%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	210	Below Cal	#	1
11) Tert butyl alcohol	5.052	59	73	Below Cal	#	86
13) Acrolein	3.817	56	63	Below Cal	#	64
16) Acetone	4.022	43	44128	191.277	ug/l	92
17) Carbon Disulfide	4.269	76	7470	1.792	ug/l	98
20) Methylene Chloride	4.805	84	22314	Below Cal		90
25) 2-Butanone	7.087	43	12665	38.722	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	2472	1.525	ug/l	84
31) Cyclohexane	7.875	56	2816	1.428	ug/l #	30
36) 1,1-Dichloropropene	7.881	75	8942	4.446	ug/l #	46
37) Ethyl Acetate	7.087	43	12665	15.360	ug/l #	79
38) Carbon Tetrachloride	7.881	117	11758	5.562	ug/l #	17
44) Trichloroethene	9.022	130	2363	1.486	ug/l	71
73) Isopropylbenzene	12.416	105	532	3.911	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	13190	64.797	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	13190	123.585	ug/l #	19
83) tert-Butylbenzene	13.169	119	74	3.682	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.210	105	1142	4.157	ug/l	88
86) p-Isopropyltoluene	13.463	119	1335	4.640	ug/l	89
89) n-Butylbenzene	13.781	91	125	3.859	ug/l #	34
95) Naphthalene	15.328	128	2476	3.284	ug/l #	85

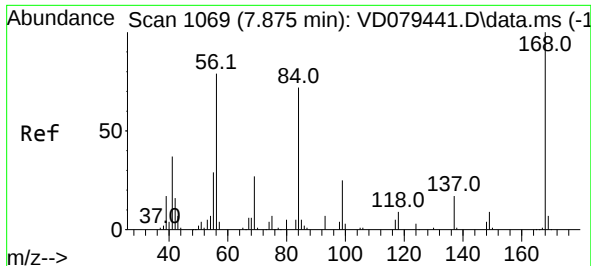
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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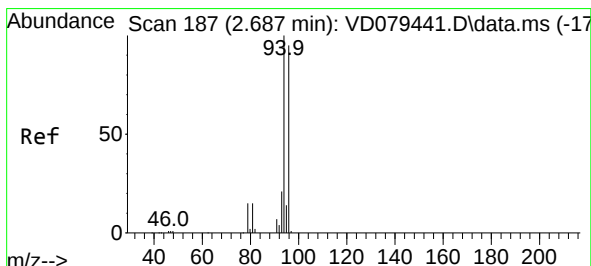
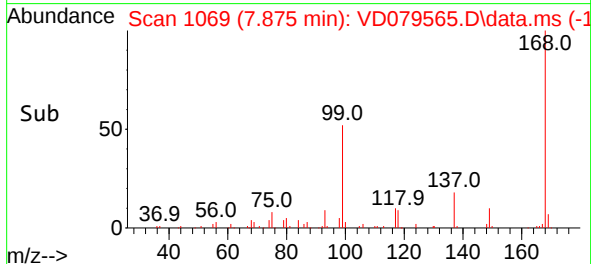
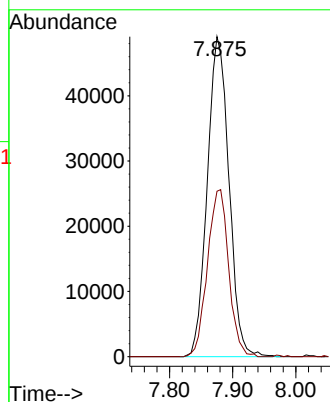
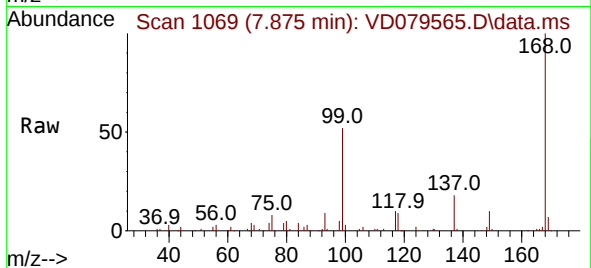




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

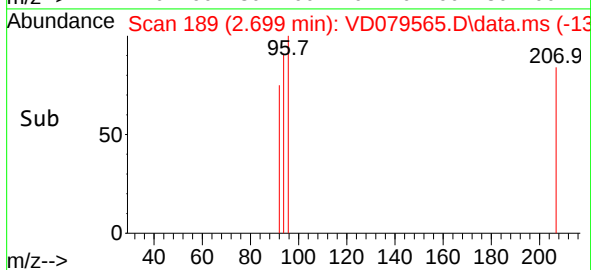
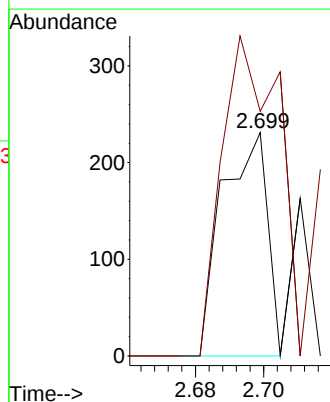
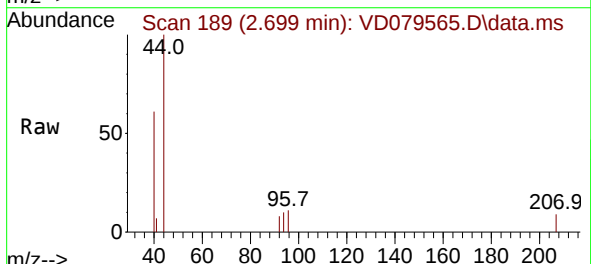
Instrument :
MSVOA_D
ClientSampleId :
S-867-J-SO-2-2.5-073024

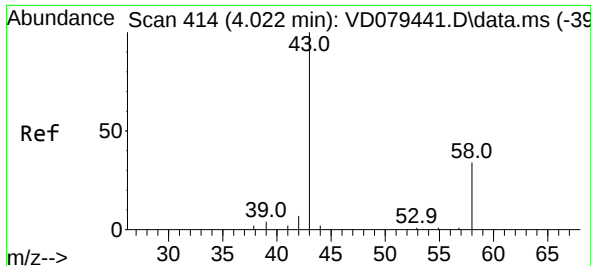
Tgt Ion:168 Resp: 116851
Ion Ratio Lower Upper
168 100
99 51.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

Tgt Ion: 94 Resp: 210
Ion Ratio Lower Upper
94 100
96 213.8 76.9 115.3#





#16

Acetone

Concen: 191.277 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD079565.D

Acq: 03 Aug 2024 03:35

Instrument :

MSVOA_D

ClientSampleId :

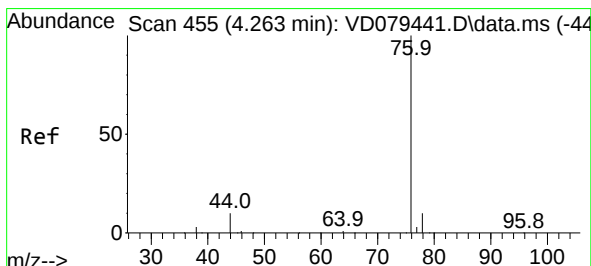
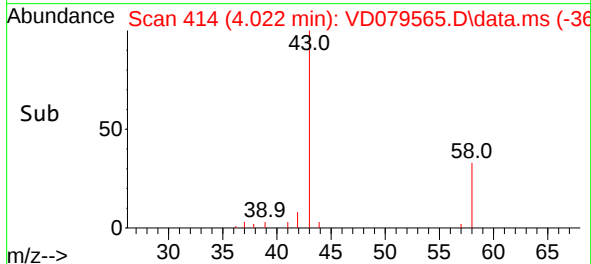
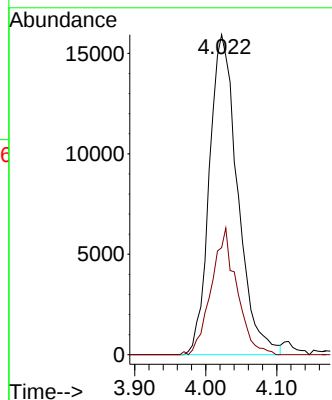
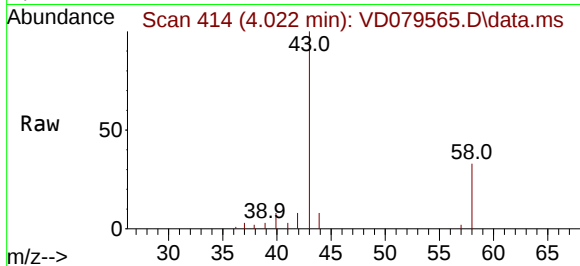
S-867-J-SO-2-2.5-073024

Tgt Ion: 43 Resp: 44128

Ion Ratio Lower Upper

43 100

58 33.5 30.4 45.6



#17

Carbon Disulfide

Concen: 1.792 ug/l

RT: 4.269 min Scan# 456

Delta R.T. 0.006 min

Lab File: VD079565.D

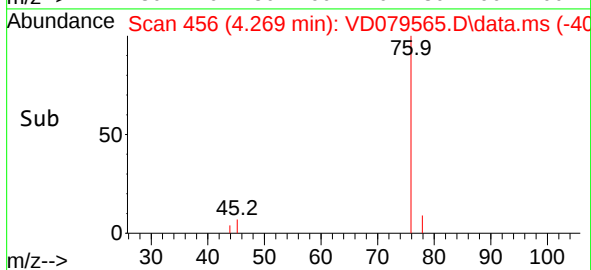
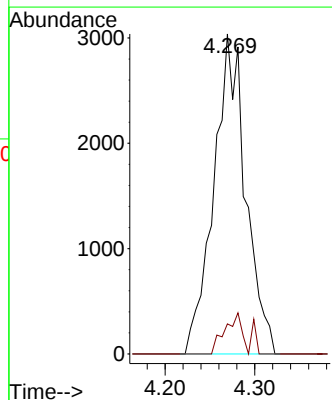
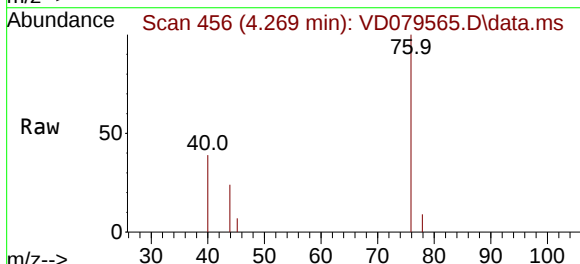
Acq: 03 Aug 2024 03:35

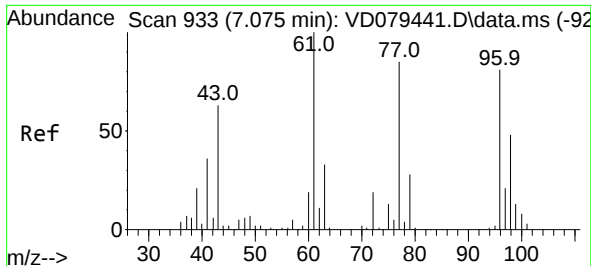
Tgt Ion: 76 Resp: 7470

Ion Ratio Lower Upper

76 100

78 9.4 6.9 10.3

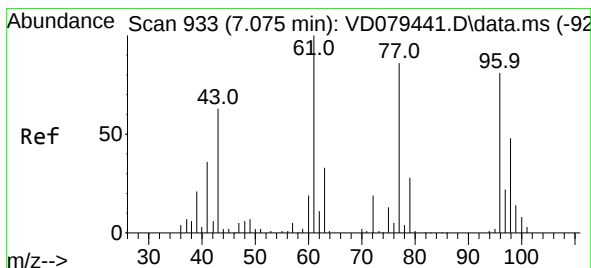
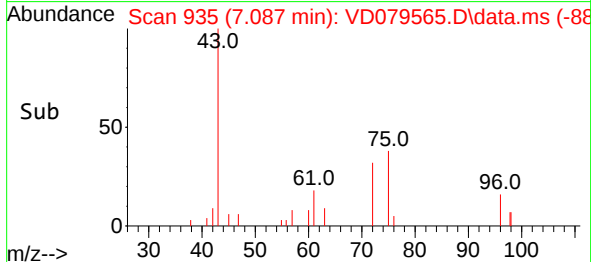
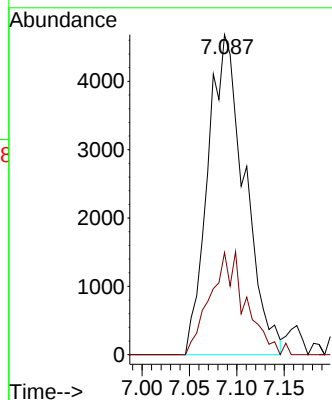
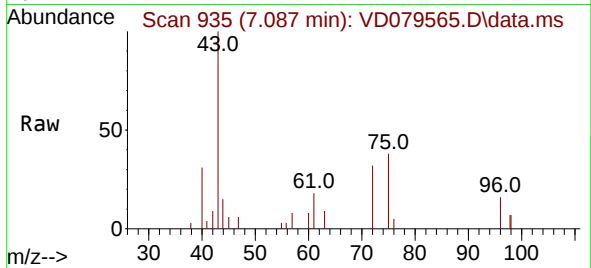




#25
2-Butanone
Concen: 38.722 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

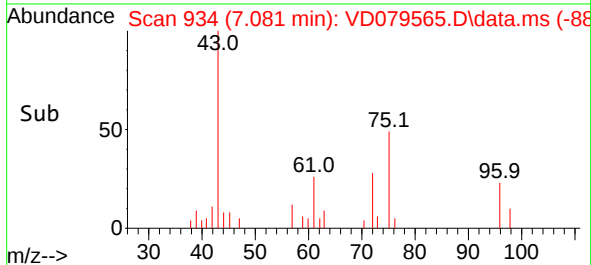
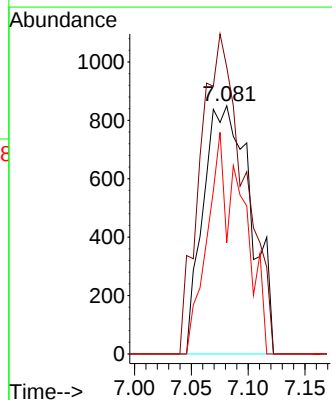
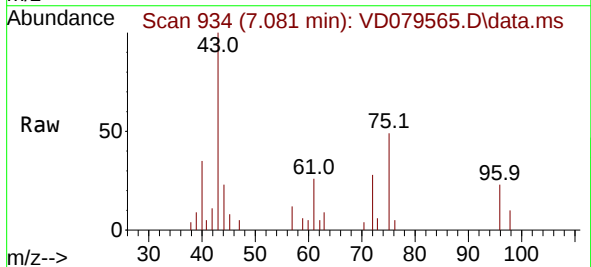
Instrument :
MSVOA_D
ClientSampleId :
S-867-J-SO-2-2.5-073024

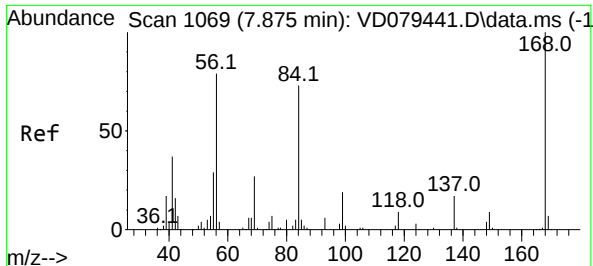
Tgt Ion: 43 Resp: 12665
Ion Ratio Lower Upper
43 100
72 31.9 26.4 39.6



#27
cis-1,2-Dichloroethene
Concen: 1.525 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

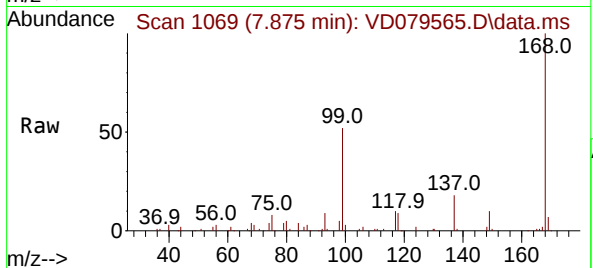
Tgt Ion: 96 Resp: 2472
Ion Ratio Lower Upper
96 100
61 120.2 0.0 229.0
98 35.4 0.0 127.2



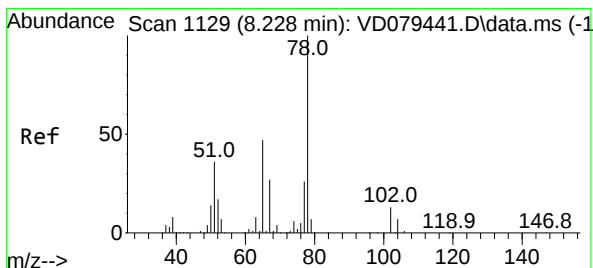
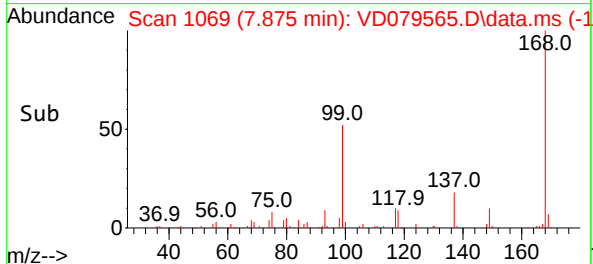
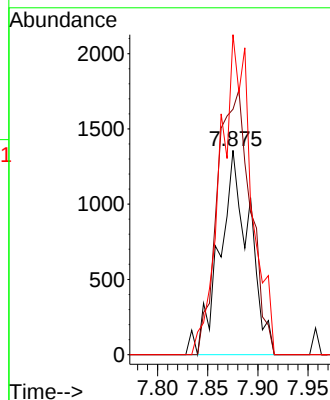


#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

Instrument :
MSVOA_D
ClientSampleId :
S-867-J-SO-2-2.5-073024

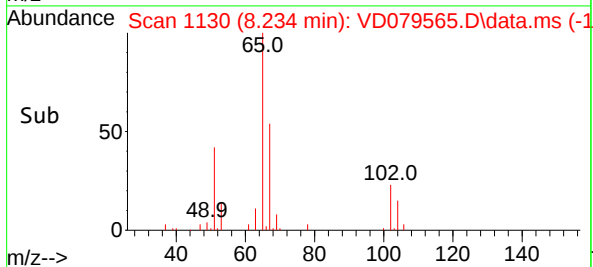
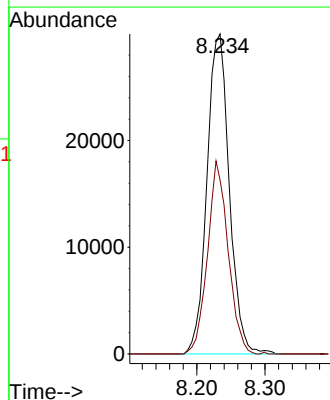
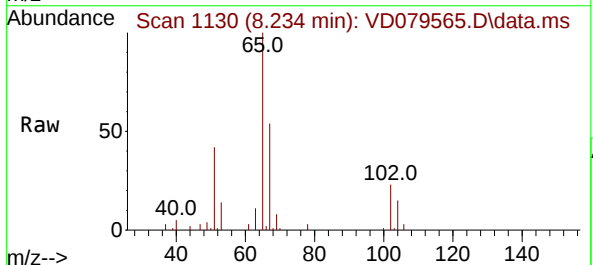


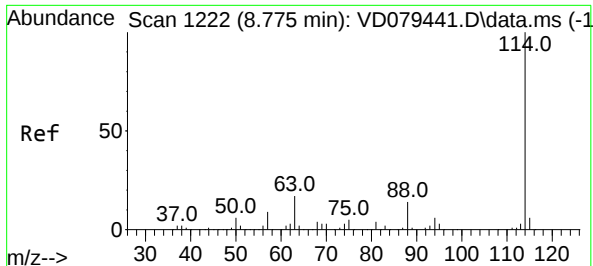
Tgt Ion: 56 Resp: 2816
Ion Ratio Lower Upper
56 100
69 120.2 28.0 42.0#
84 156.7 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 57.624 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

Tgt Ion: 65 Resp: 68405
Ion Ratio Lower Upper
65 100
67 55.7 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD079565.D

Acq: 03 Aug 2024 03:35

Instrument :

MSVOA_D

ClientSampleId :

S-867-J-SO-2-2.5-073024

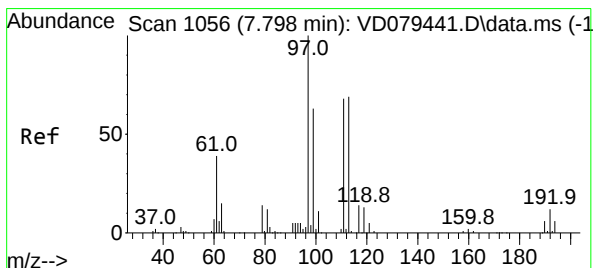
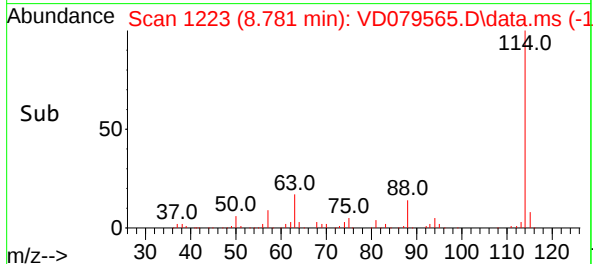
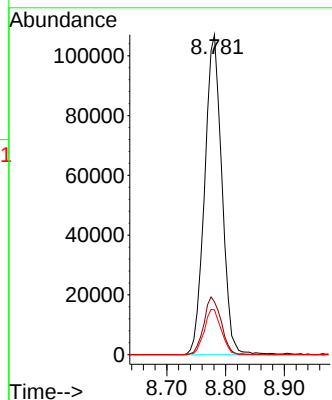
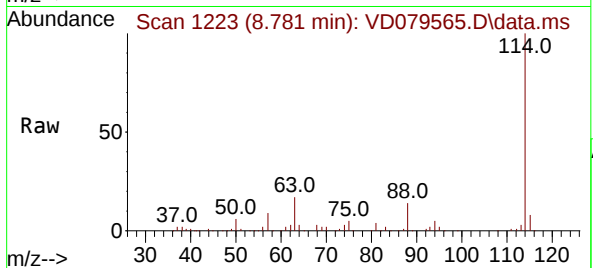
Tgt Ion:114 Resp: 217694

Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.795 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD079565.D

Acq: 03 Aug 2024 03:35

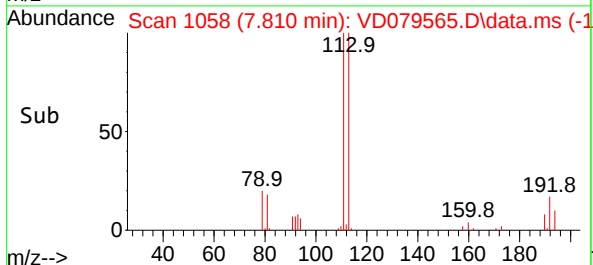
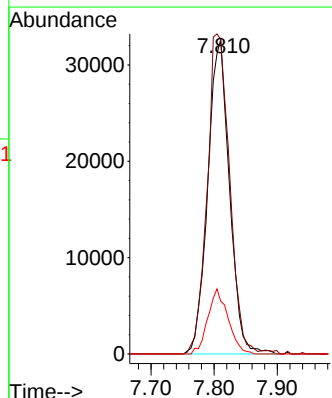
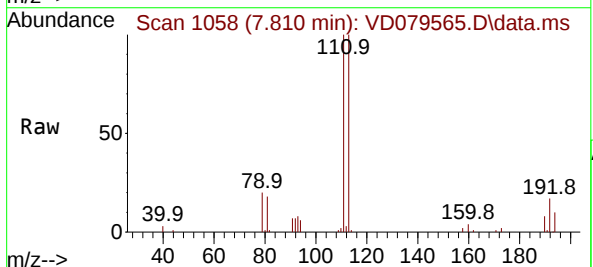
Tgt Ion:113 Resp: 77791

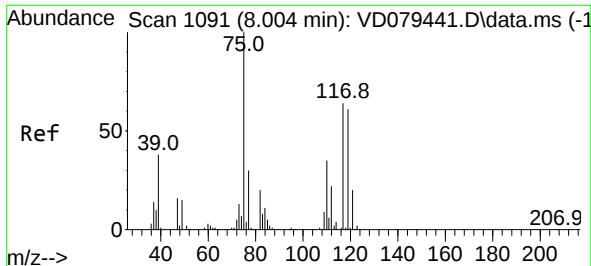
Ion Ratio Lower Upper

113 100

111 105.3 84.0 126.0

192 19.3 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.446 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.129 min

Lab File: VD079565.D

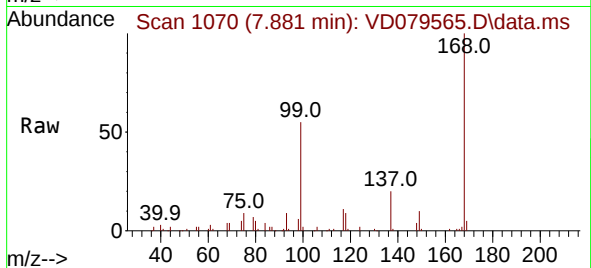
Acq: 03 Aug 2024 03:35

Instrument :

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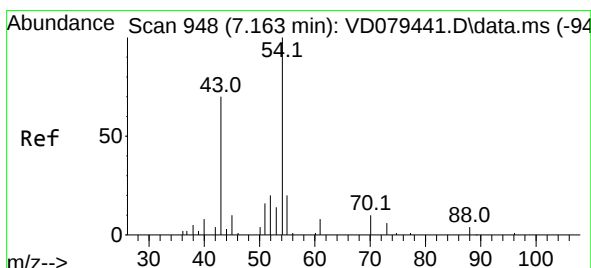
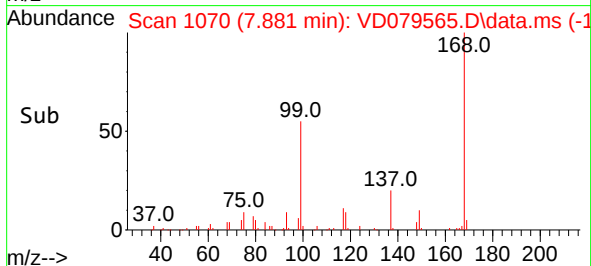
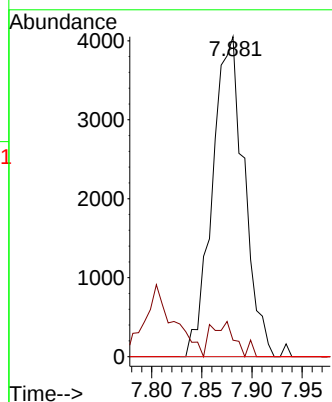
Tgt Ion: 75 Resp: 8942

Ion Ratio Lower Upper

75 100

110 8.4 19.6 58.7#

77 0.0 26.1 39.1#



#37

Ethyl Acetate

Concen: 15.360 ug/l

RT: 7.087 min Scan# 935

Delta R.T. -0.088 min

Lab File: VD079565.D

Acq: 03 Aug 2024 03:35

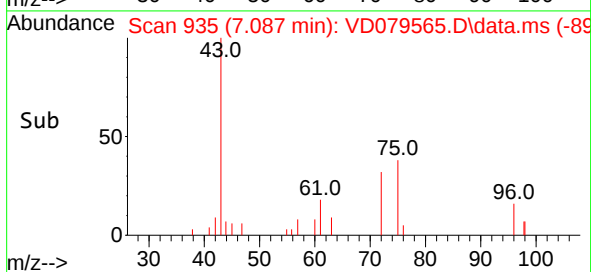
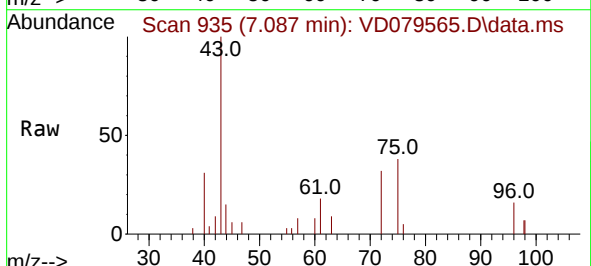
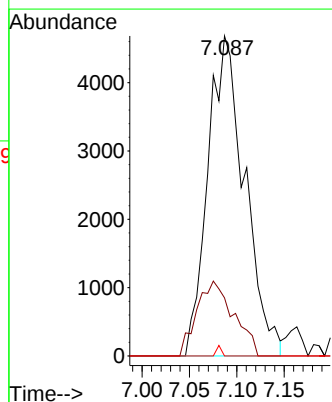
Tgt Ion: 43 Resp: 12665

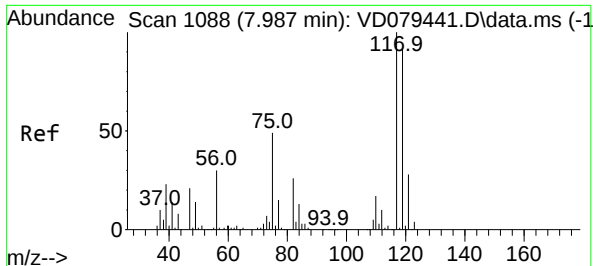
Ion Ratio Lower Upper

43 100

61 23.5 13.9 20.9#

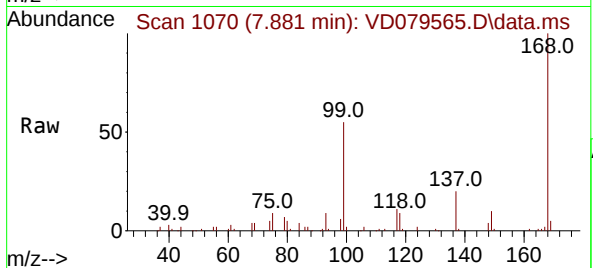
70 0.4 9.8 14.6#



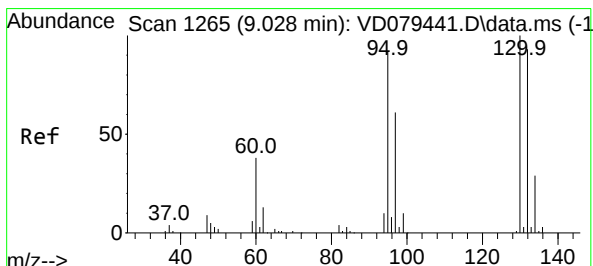
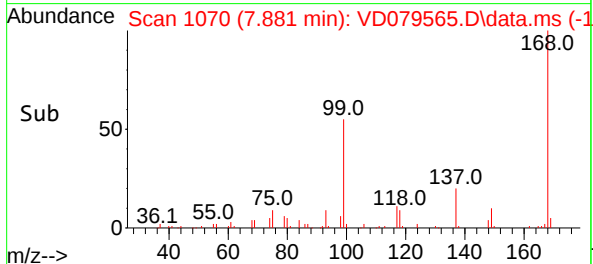
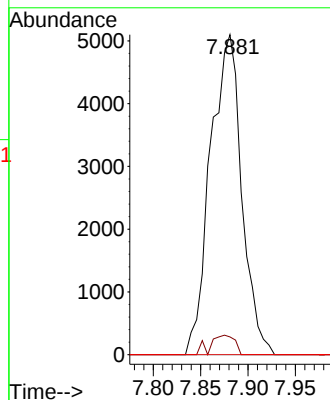


#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 7.881 min Scan# 117
Delta R.T. -0.106 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

Instrument :
MSVOA_D
ClientSampleId :
S-867-J-SO-2-2.5-073024

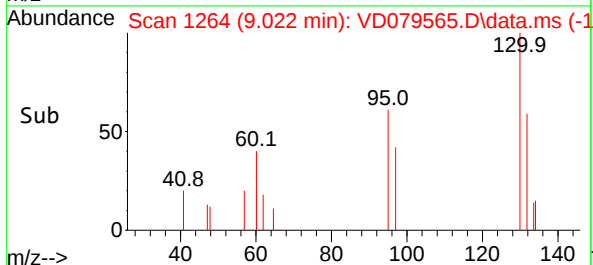
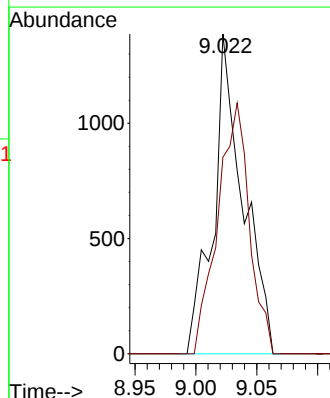
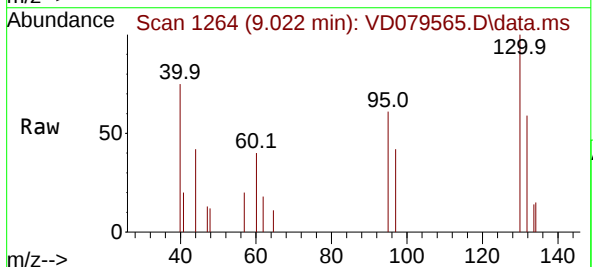


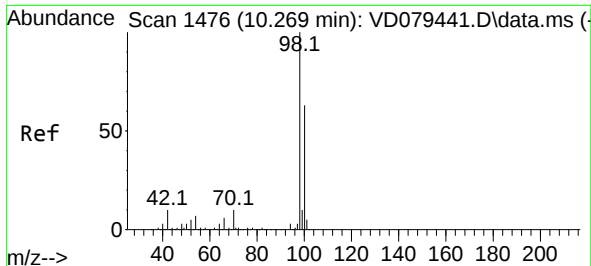
Tgt Ion:117 Resp: 11758
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 1.486 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

Tgt Ion:130 Resp: 2363
Ion Ratio Lower Upper
130 100
95 61.5 0.0 177.8

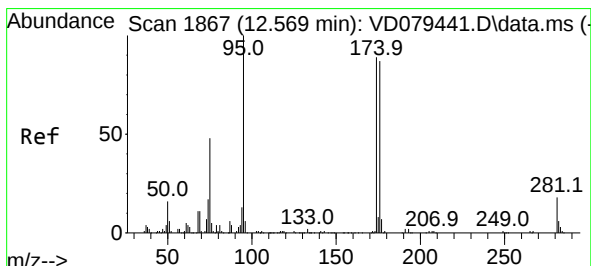
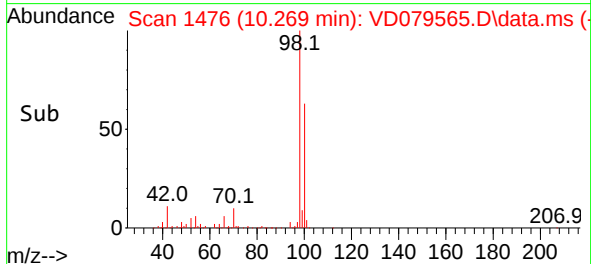
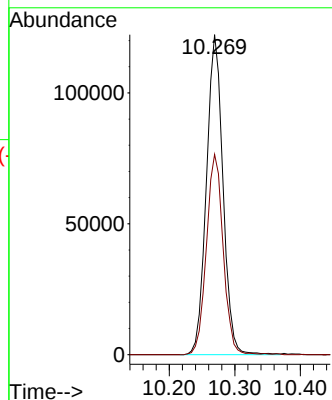
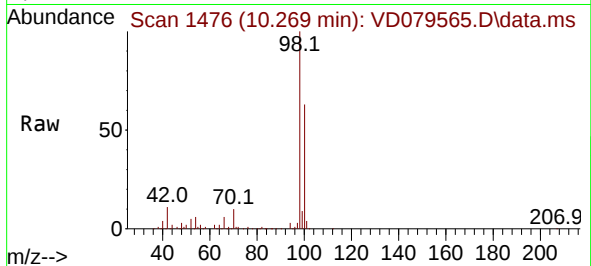




#50
Toluene-d8
Concen: 37.518 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

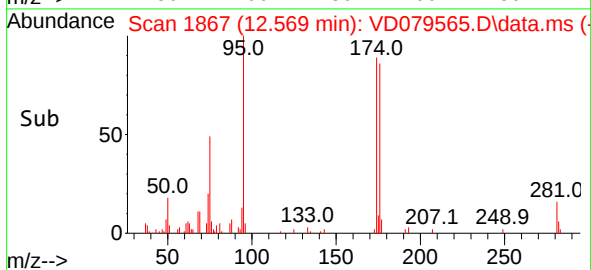
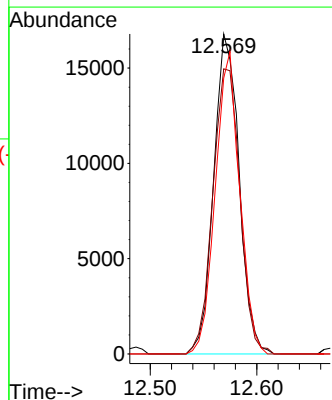
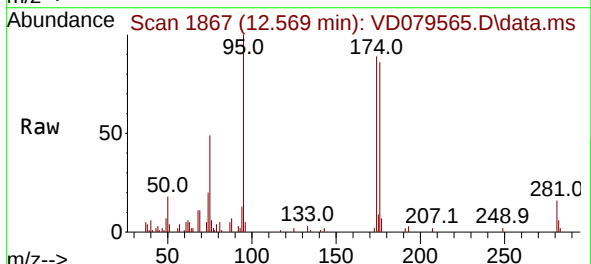
Instrument :
MSVOA_D
ClientSampleId :
S-867-J-SO-2-2.5-073024

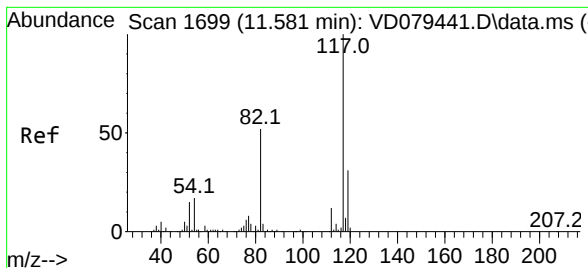
Tgt Ion: 98 Resp: 214677
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 16.792 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

Tgt Ion: 95 Resp: 27804
Ion Ratio Lower Upper
95 100
174 95.0 0.0 195.4
176 90.5 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: VD079565.D

Acq: 03 Aug 2024 03:35

Instrument :

MSVOA_D

ClientSampleId :

S-867-J-SO-2-2.5-073024

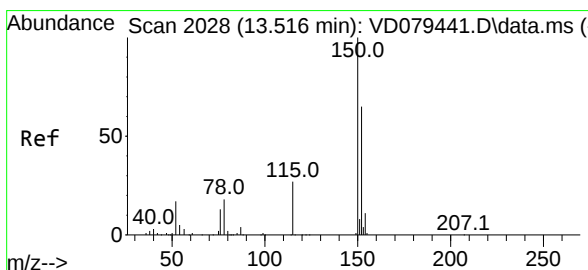
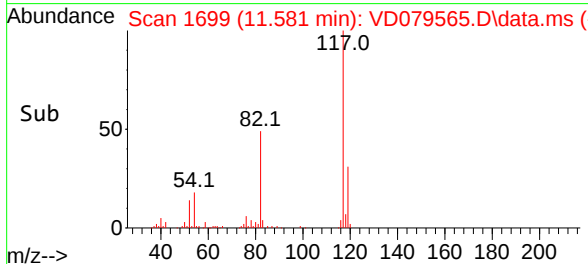
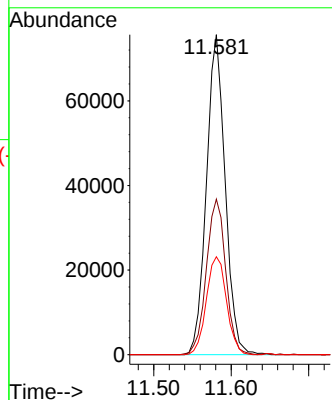
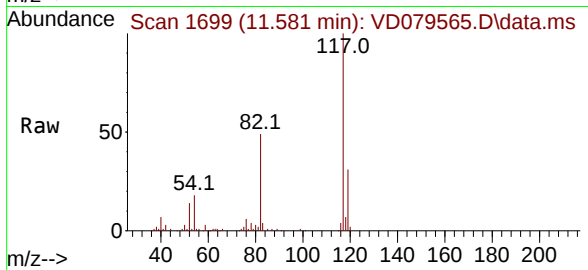
Tgt Ion:117 Resp: 126927

Ion Ratio Lower Upper

117 100

82 48.6 39.8 59.6

119 30.6 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: VD079565.D

Acq: 03 Aug 2024 03:35

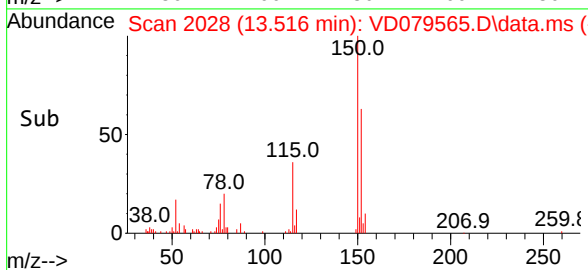
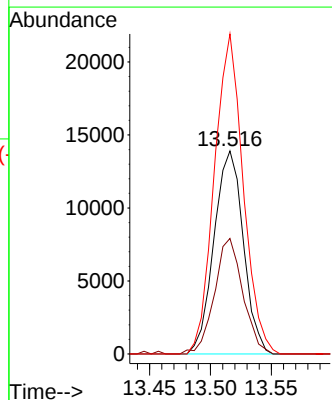
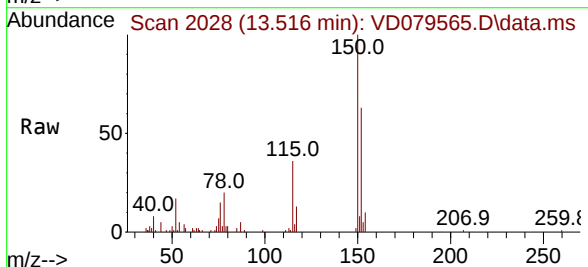
Tgt Ion:152 Resp: 23288

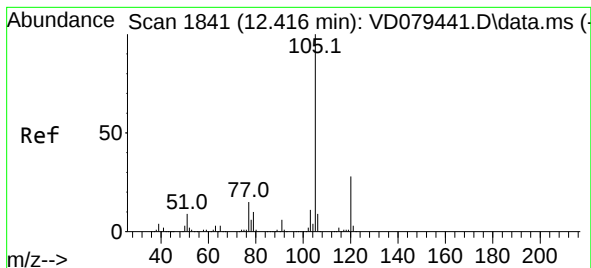
Ion Ratio Lower Upper

152 100

115 55.2 26.5 79.5

150 155.1 0.0 341.6





#73

Isopropylbenzene

Concen: 3.911 ug/l

RT: 12.416 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VD079565.D

Acq: 03 Aug 2024 03:35

Instrument :

MSVOA_D

ClientSampleId :

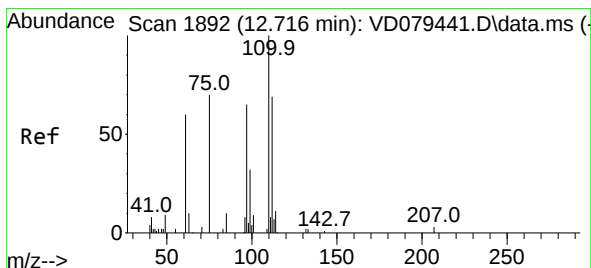
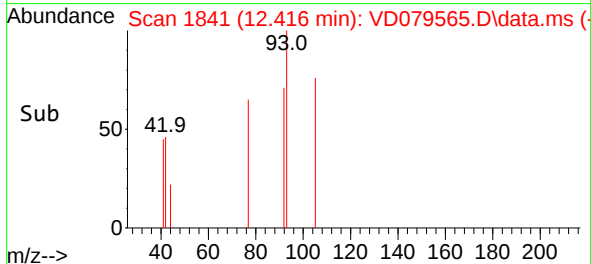
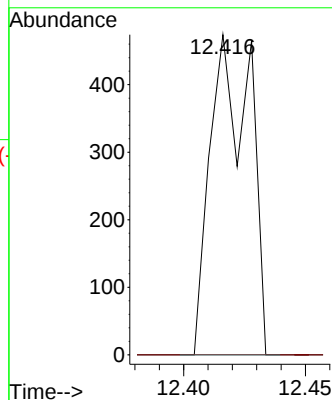
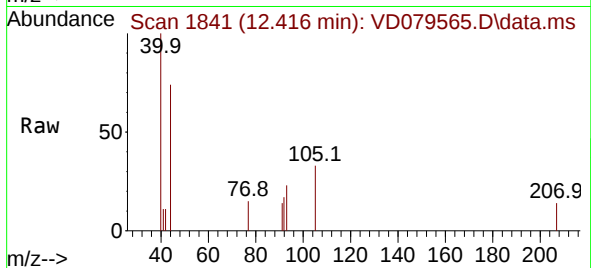
S-867-J-SO-2-2.5-073024

Tgt Ion:105 Resp: 532

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 64.797 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079565.D

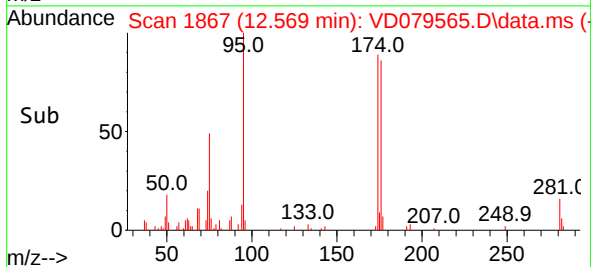
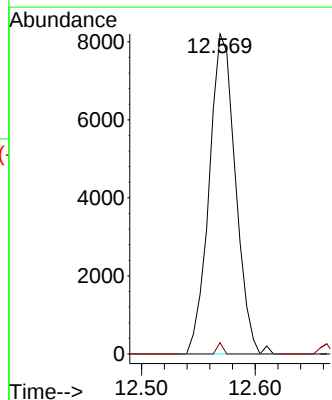
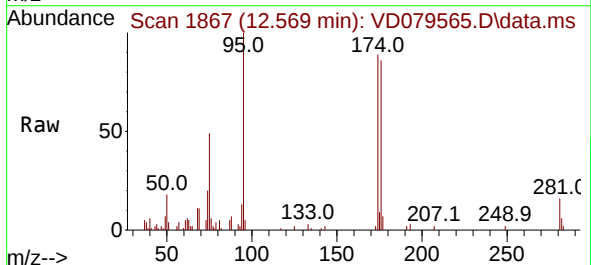
Acq: 03 Aug 2024 03:35

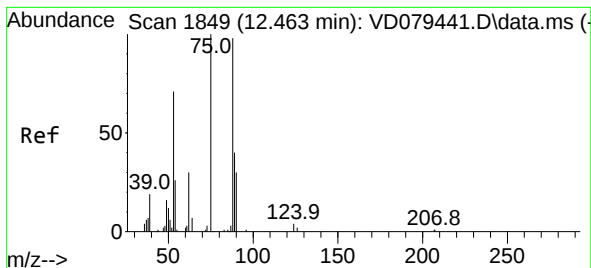
Tgt Ion: 75 Resp: 13190

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#

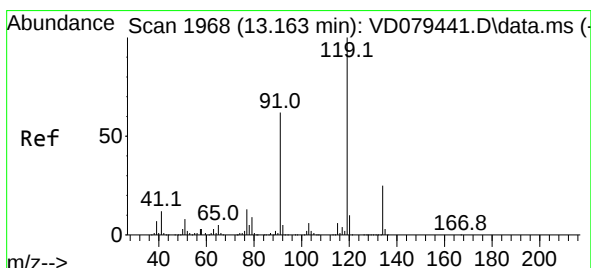
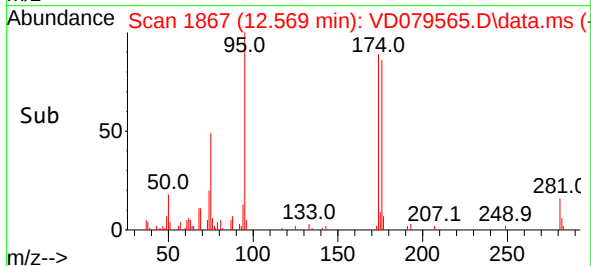
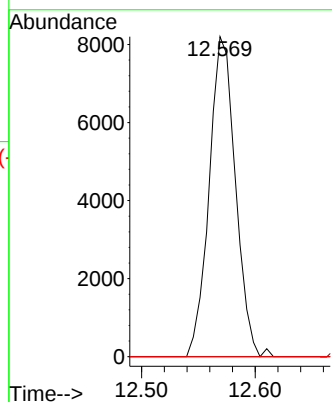
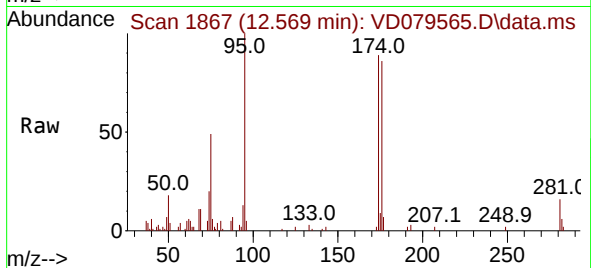




#81
trans-1,4-Dichloro-2-butene
Concen: 123.585 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

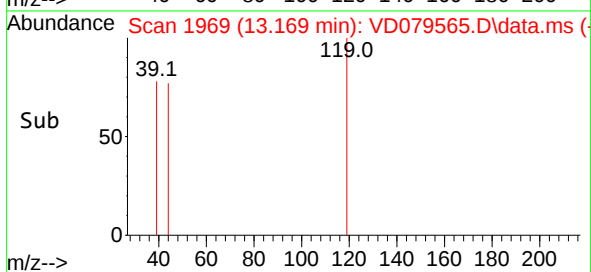
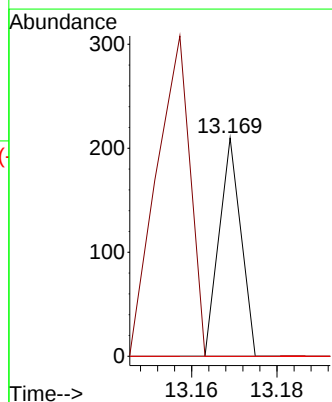
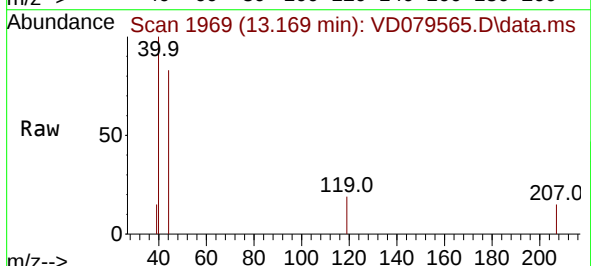
Instrument :
MSVOA_D
ClientSampleId :
S-867-J-SO-2-2.5-073024

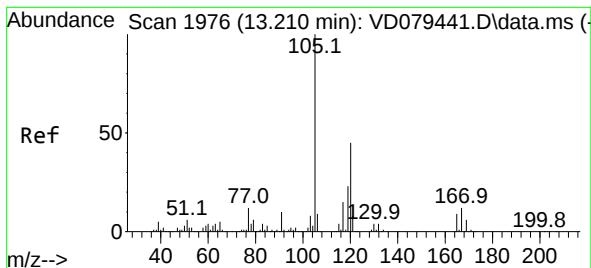
Tgt Ion:	75	Resp:	13190
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.0	35.4	53.0#



#83
tert-Butylbenzene
Concen: 3.682 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. 0.006 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

Tgt Ion:	119	Resp:	74
Ion	Ratio	Lower	Upper
119	100		
91	227.0	28.2	84.7#
134	0.0	13.4	40.1#





#84

1,2,4-Trimethylbenzene

Concen: 4.157 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD079565.D

Acq: 03 Aug 2024 03:35

Instrument :

MSVOA_D

ClientSampleId :

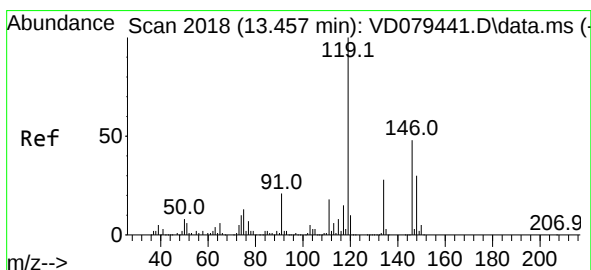
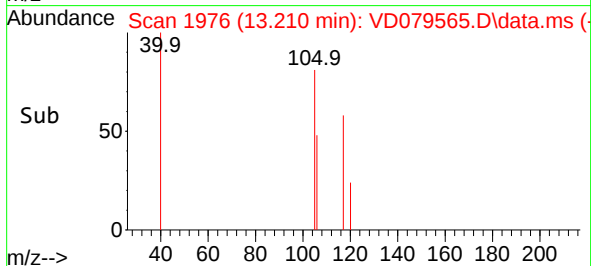
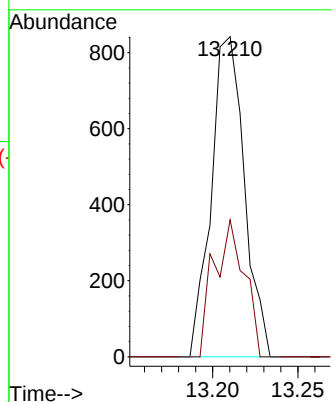
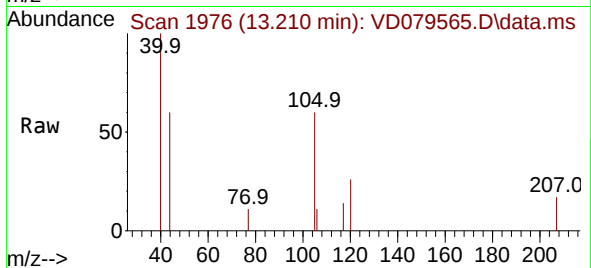
S-867-J-SO-2-2.5-073024

Tgt Ion:105 Resp: 1142

Ion Ratio Lower Upper

105 100

120 39.3 23.6 71.0



#86

p-Isopropyltoluene

Concen: 4.640 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.006 min

Lab File: VD079565.D

Acq: 03 Aug 2024 03:35

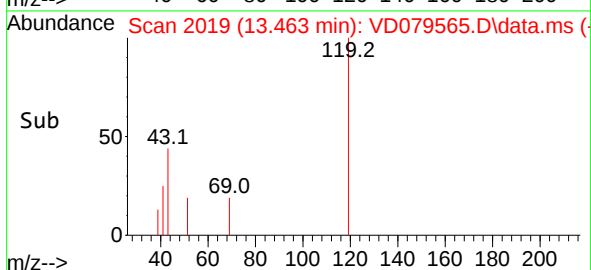
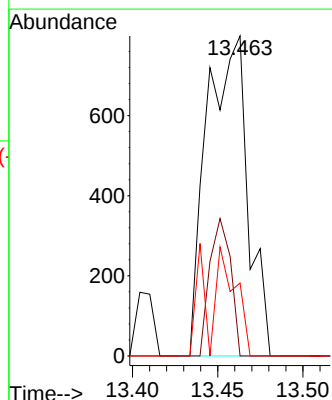
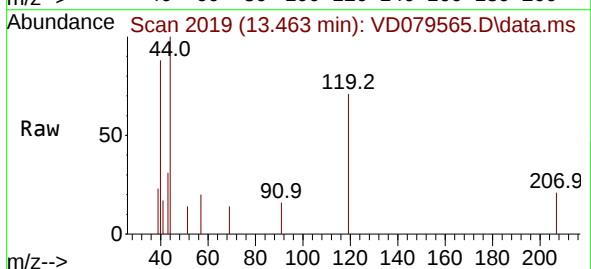
Tgt Ion:119 Resp: 1335

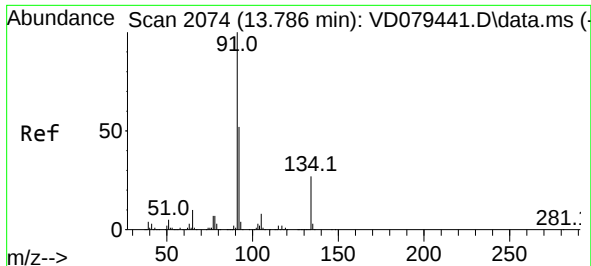
Ion Ratio Lower Upper

119 100

134 21.9 13.7 41.1

91 16.3 10.7 32.1

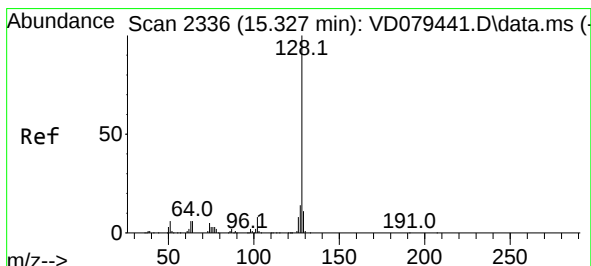
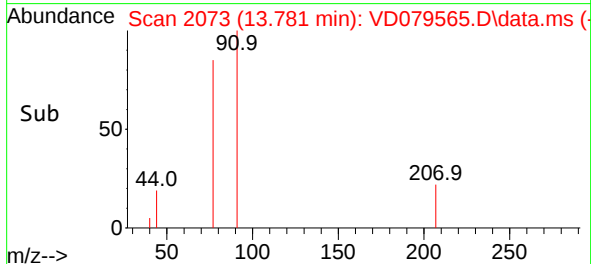
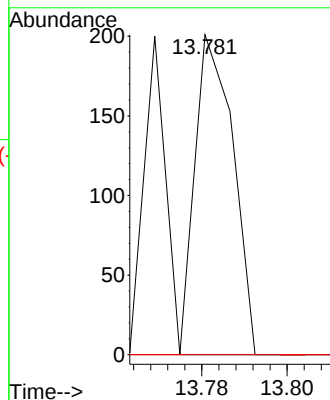
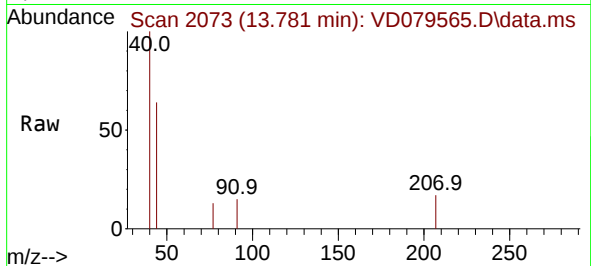




#89
n-Butylbenzene
Concen: 3.859 ug/l
RT: 13.781 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

Instrument :
MSVOA_D
ClientSampleId :
S-867-J-SO-2-2.5-073024

Tgt Ion:	91	Resp:	125
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#



#95
Naphthalene
Concen: 3.284 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD079565.D
Acq: 03 Aug 2024 03:35

Tgt Ion:	128	Resp:	2476
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.4
129	0.0	8.5	12.7#

