

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079562.D
 Acq On : 03 Aug 2024 02:13
 Operator : RP/MD
 Sample : P3394-02
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-105-SB02RE

Quant Time: Aug 03 02:32:12 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)

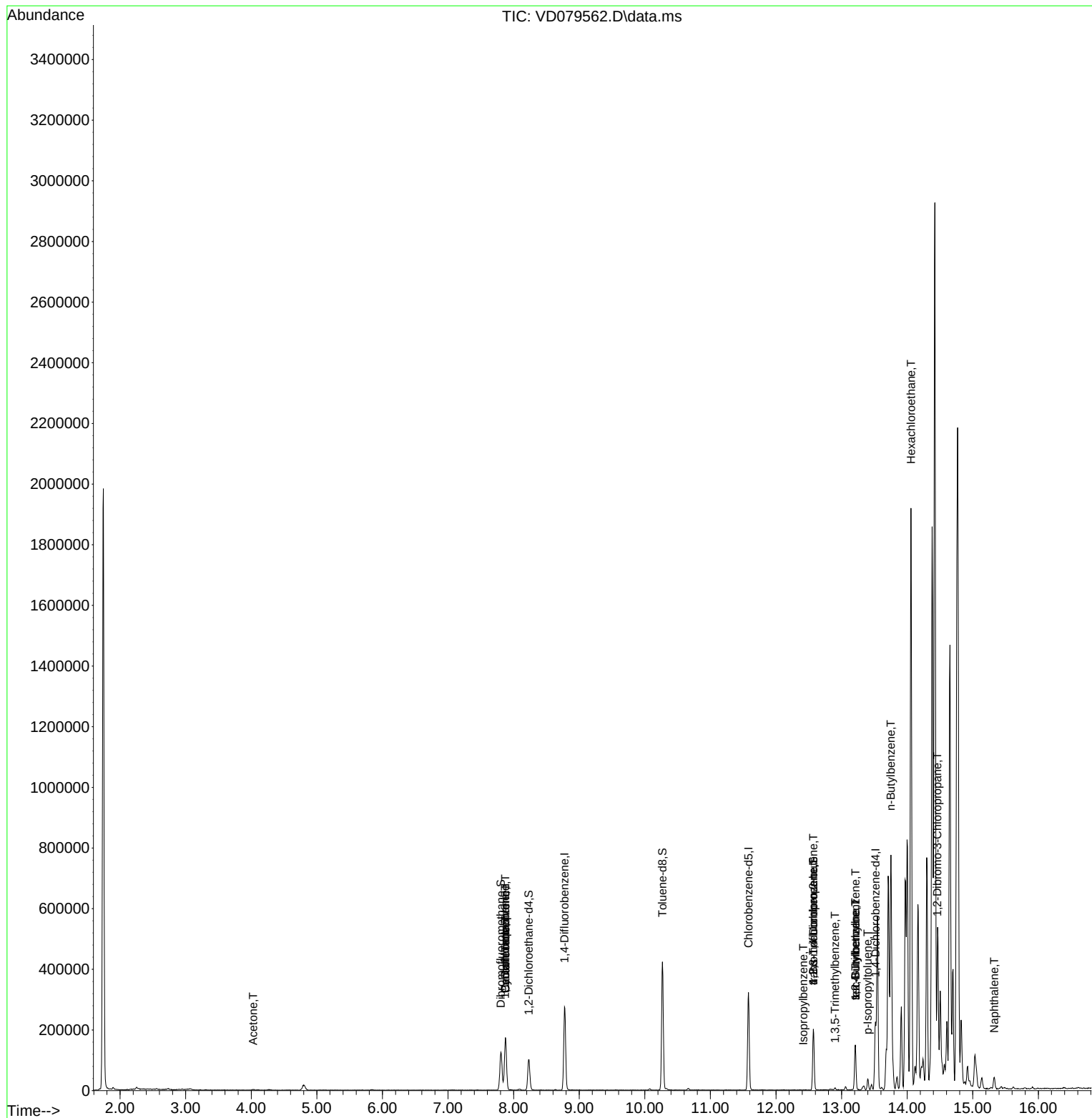
Internal Standards						
1) Pentafluorobenzene	7.875	168	134120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	254798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	195878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	59082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79929	58.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.320%			
35) Dibromofluoromethane	7.805	113	93801	54.390	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.780%			
50) Toluene-d8	10.269	98	310202	46.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.640%			
62) 4-Bromofluorobenzene	12.569	95	57893	29.872	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 59.740%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.705	94	663	Below Cal		91
13) Acrolein	3.687	56	58	Below Cal	#	15
16) Acetone	4.028	43	2522	9.524	ug/l	99
20) Methylene Chloride	4.793	84	13687	Below Cal		90
31) Cyclohexane	7.875	56	3054	1.350	ug/l #	44
36) 1,1-Dichloropropene	7.869	75	10356	4.400	ug/l #	46
38) Carbon Tetrachloride	7.875	117	12952	5.234	ug/l #	16
73) Isopropylbenzene	12.416	105	195	3.669	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	28965	56.086	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.898	105	3716	1.129	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	28965	106.972	ug/l #	19
83) tert-Butylbenzene	13.210	119	12597	7.293	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.210	105	81137	23.838	ug/l	98
85) sec-Butylbenzene	13.210	105	81137	18.535	ug/l #	56
86) p-Isopropyltoluene	13.398	119	19673	8.266	ug/l	94
89) n-Butylbenzene	13.751	91	102938	28.658	ug/l #	1
90) Hexachloroethane	14.057	117	97369	127.171	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.457	75	2113	20.690	ug/l #	1
95) Naphthalene	15.328	128	33097	17.305	ug/l #	92

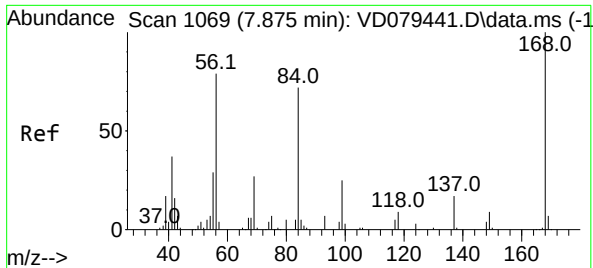
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration

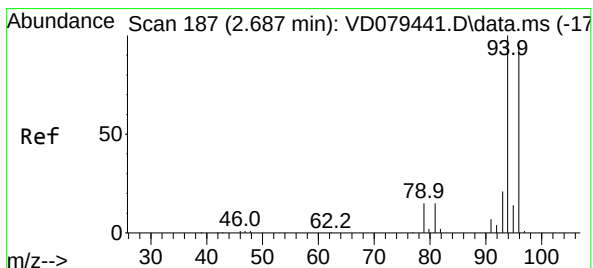
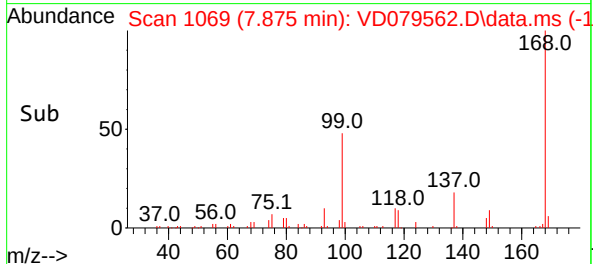
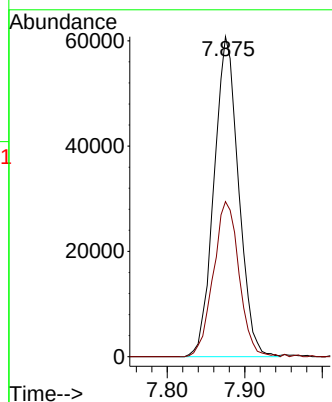
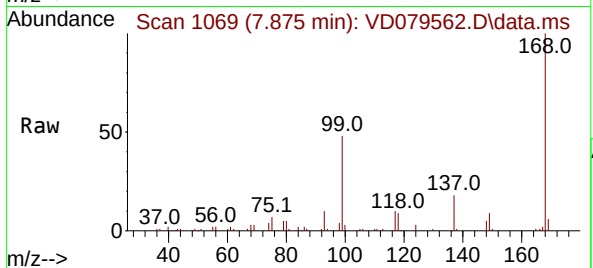




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

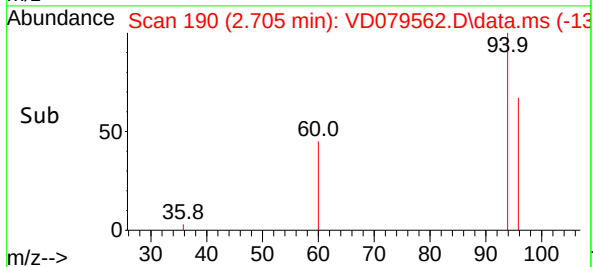
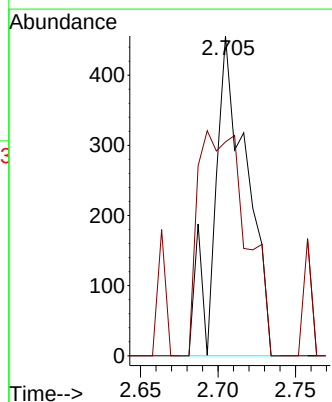
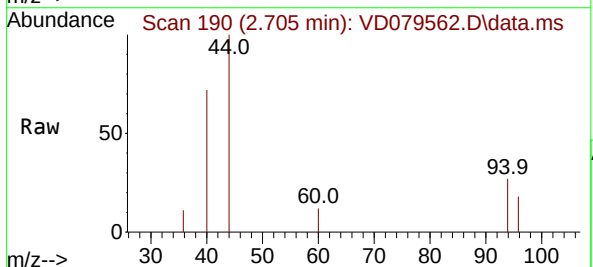
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB02RE

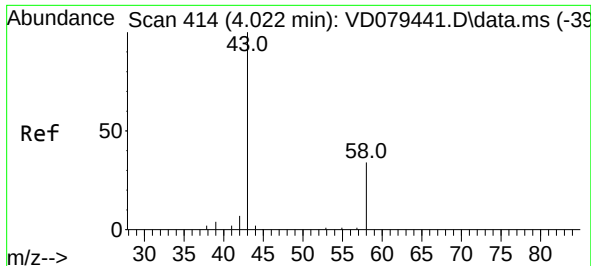
Tgt Ion:168 Resp: 134120
Ion Ratio Lower Upper
168 100
99 48.5 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.705 min Scan# 190
Delta R.T. 0.018 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

Tgt Ion: 94 Resp: 663
Ion Ratio Lower Upper
94 100
96 104.7 76.9 115.3





#16

Acetone

Concen: 9.524 ug/l

RT: 4.028 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD079562.D

Acq: 03 Aug 2024 02:13

Instrument :

MSVOA_D

ClientSampleId :

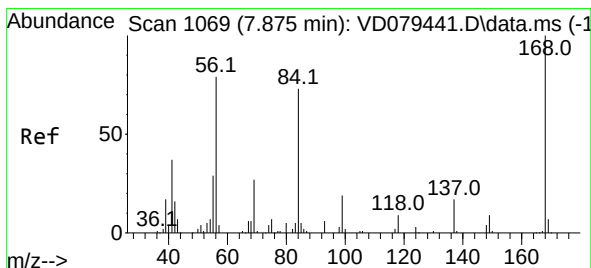
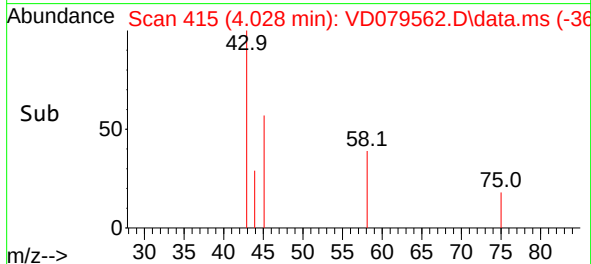
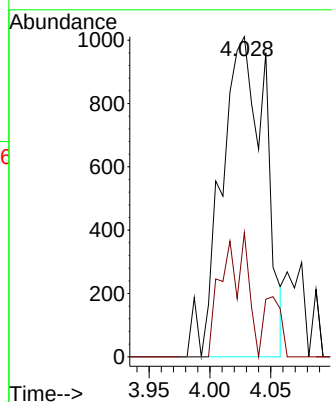
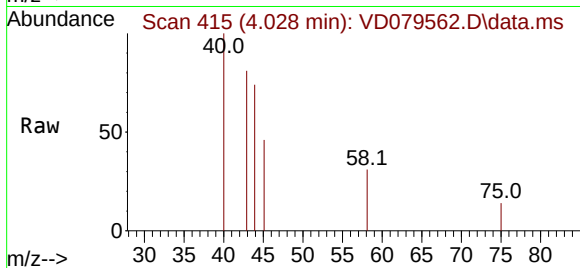
B-105-SB02RE

Tgt Ion: 43 Resp: 2522

Ion Ratio Lower Upper

43 100

58 38.8 30.4 45.6



#31

Cyclohexane

Concen: 1.350 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079562.D

Acq: 03 Aug 2024 02:13

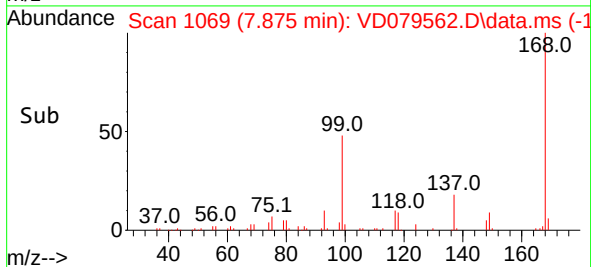
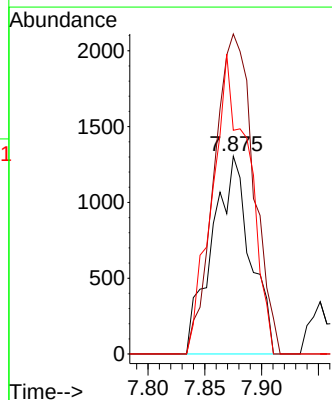
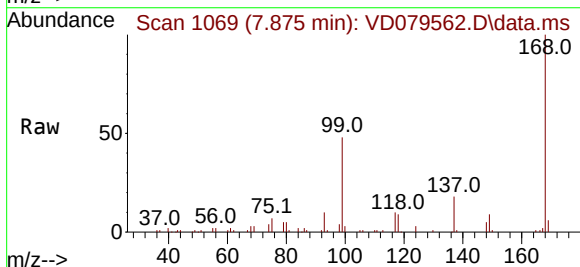
Tgt Ion: 56 Resp: 3054

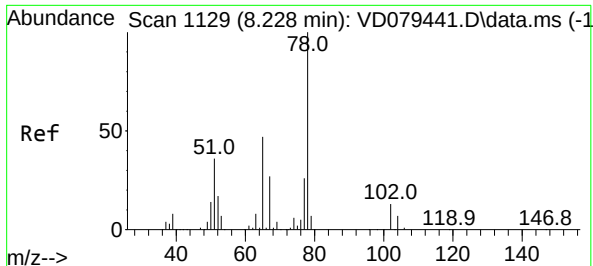
Ion Ratio Lower Upper

56 100

69 161.8 28.0 42.0#

84 113.1 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 58.662 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079562.D

Acq: 03 Aug 2024 02:13

Instrument :

MSVOA_D

ClientSampleId :

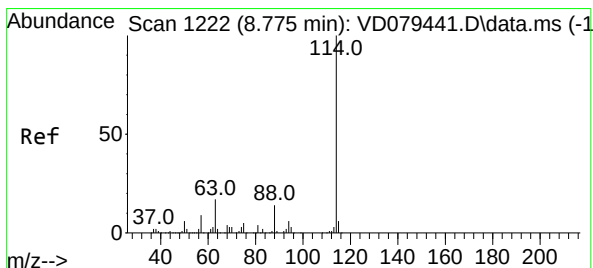
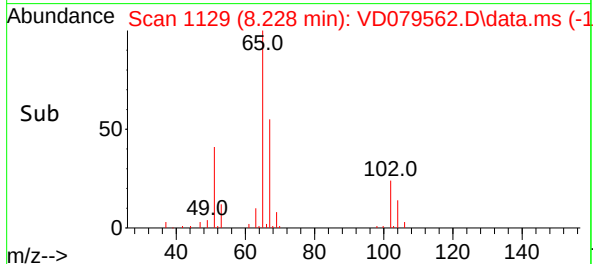
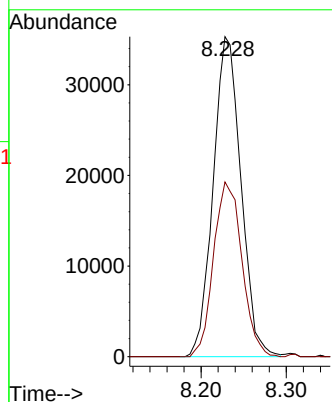
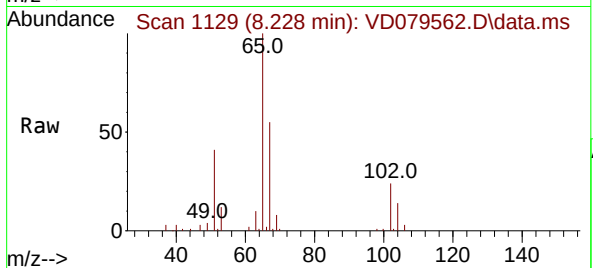
B-105-SB02RE

Tgt Ion: 65 Resp: 79929

Ion Ratio Lower Upper

65 100

67 55.7 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: VD079562.D

Acq: 03 Aug 2024 02:13

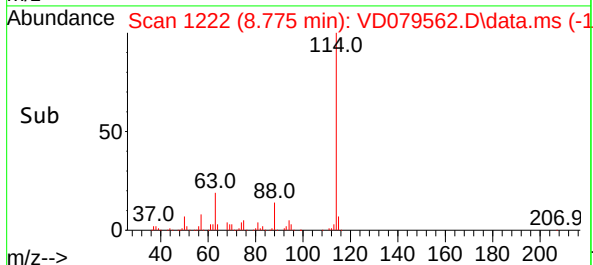
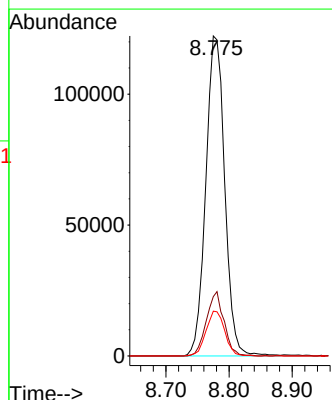
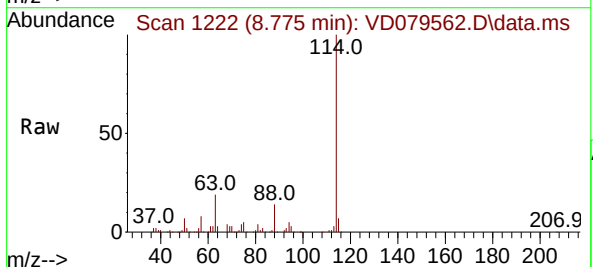
Tgt Ion: 114 Resp: 254798

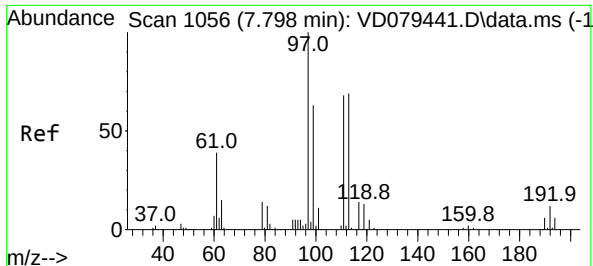
Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

88 14.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 54.390 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079562.D

Acq: 03 Aug 2024 02:13

Instrument :

MSVOA_D

ClientSampleId :

B-105-SB02RE

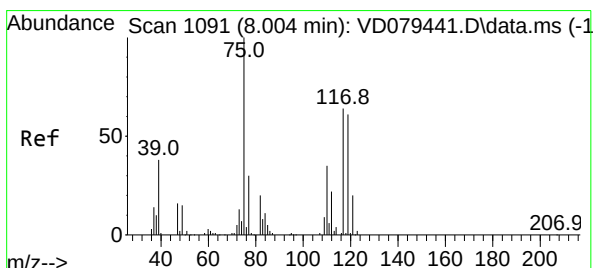
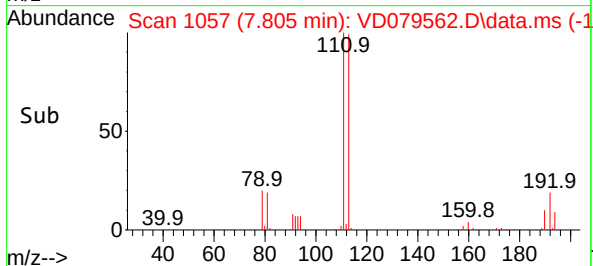
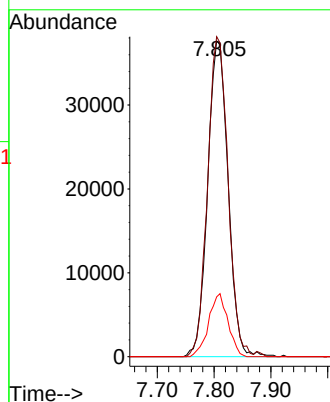
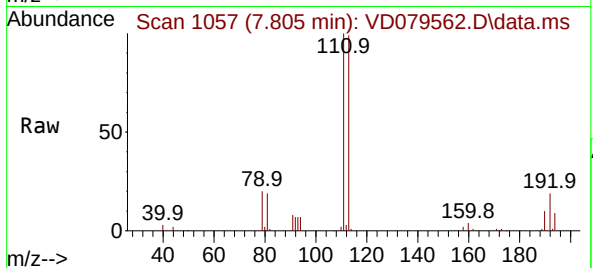
Tgt Ion:113 Resp: 93801

Ion Ratio Lower Upper

113 100

111 101.3 84.0 126.0

192 18.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.400 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079562.D

Acq: 03 Aug 2024 02:13

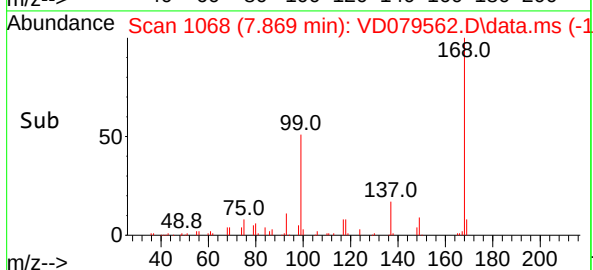
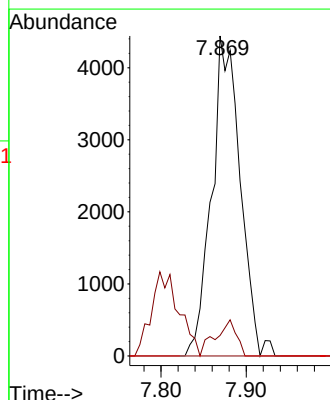
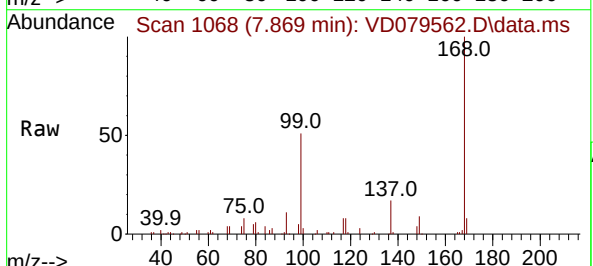
Tgt Ion: 75 Resp: 10356

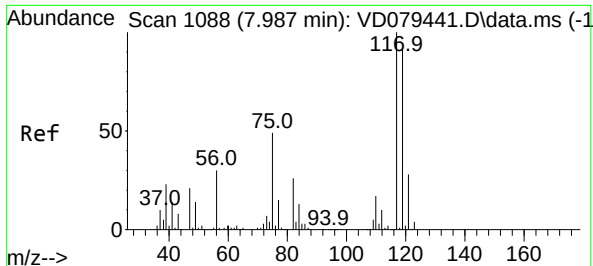
Ion Ratio Lower Upper

75 100

110 8.3 19.6 58.7#

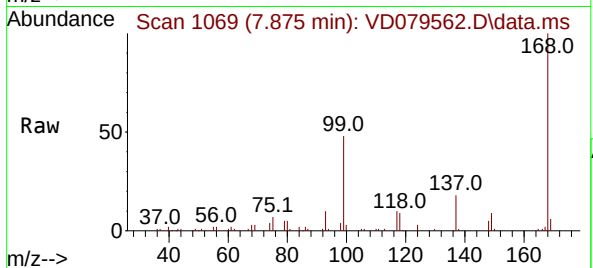
77 0.0 26.1 39.1#



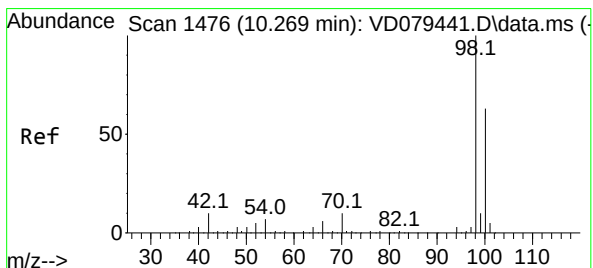
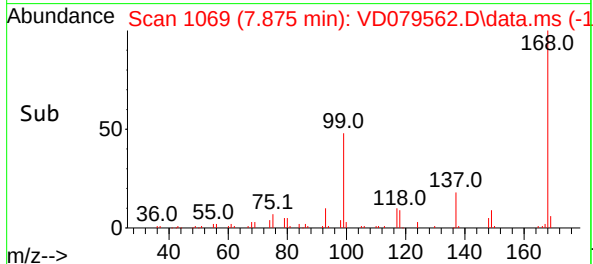
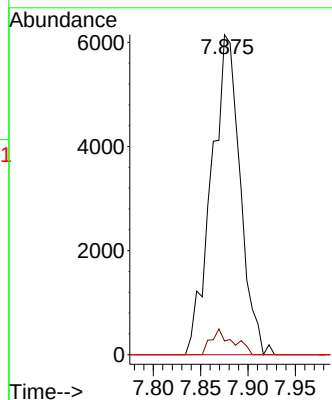


#38
Carbon Tetrachloride
Concen: 5.234 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

Instrument :
MSVOA_D
ClientSampleId :
B-105-SB02RE

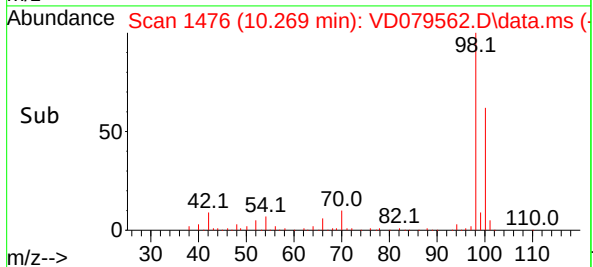
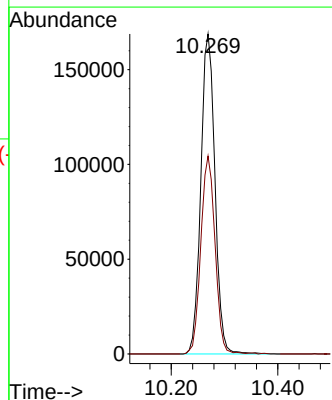
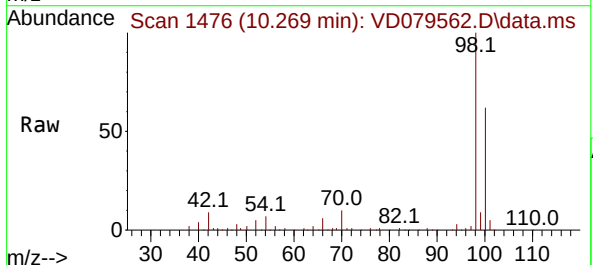


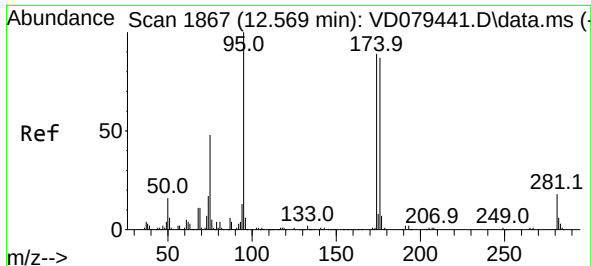
Tgt Ion:117 Resp: 12952
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 46.318 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

Tgt Ion: 98 Resp: 310202
Ion Ratio Lower Upper
98 100
100 62.3 51.6 77.4

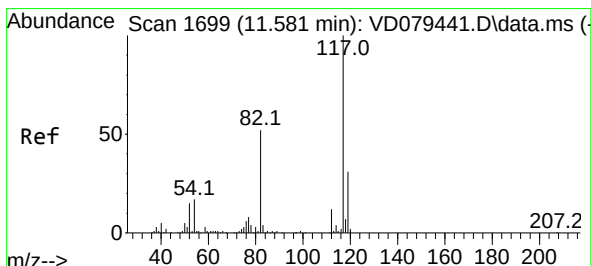
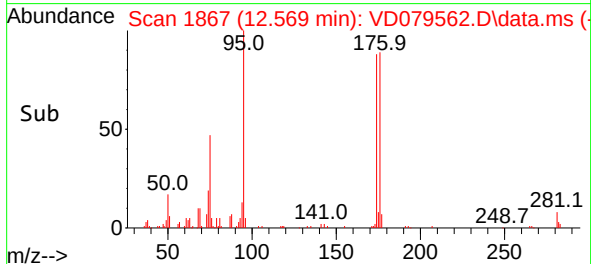
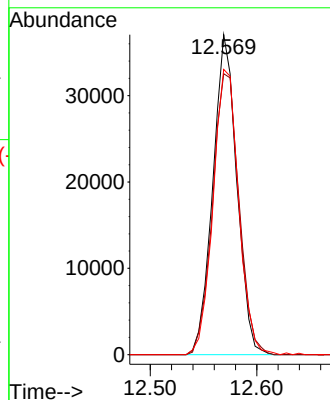
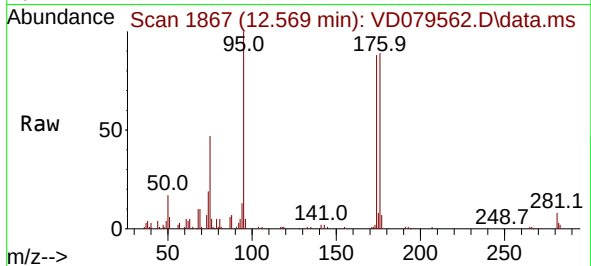




#62
4-Bromofluorobenzene
Concen: 29.872 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

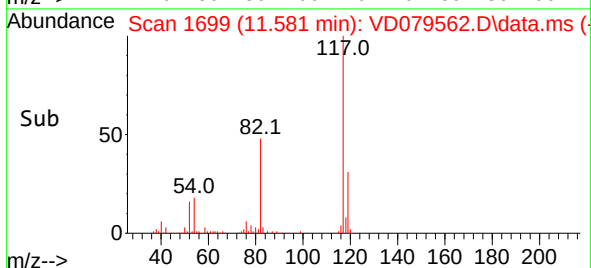
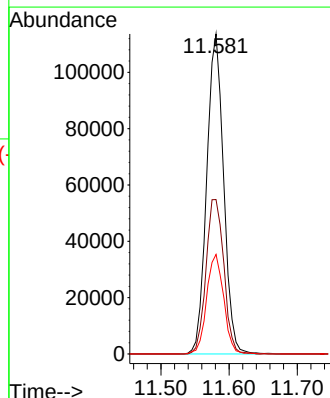
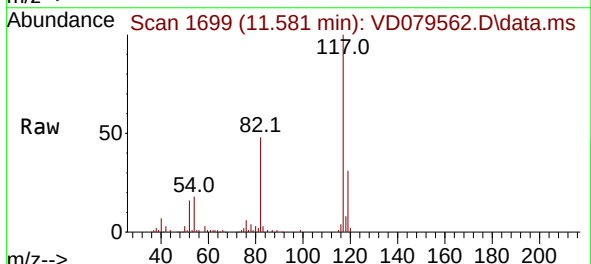
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB02RE

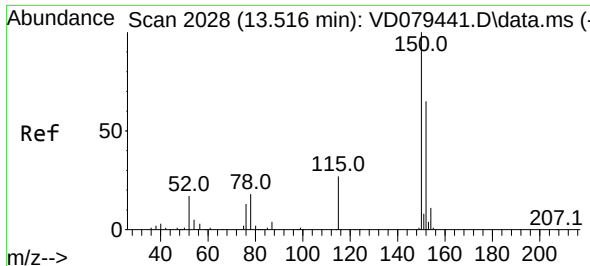
Tgt Ion:	95	Resp:	57893
Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	195.4
176	94.8	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

Tgt Ion:	117	Resp:	195878
Ion	Ratio	Lower	Upper
117	100		
82	48.3	39.8	59.6
119	31.1	25.7	38.5

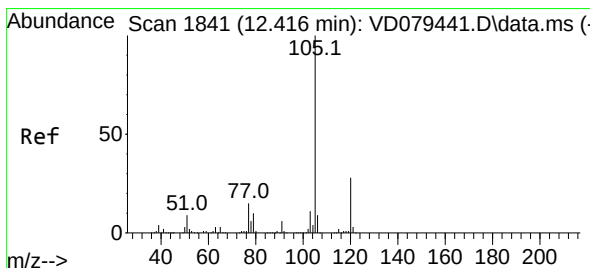
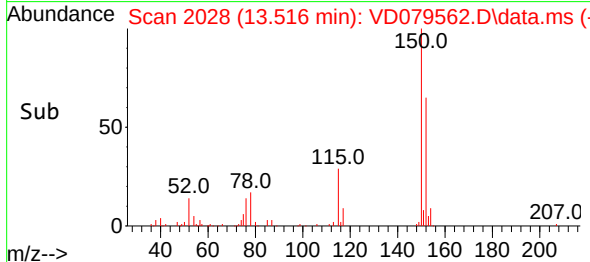
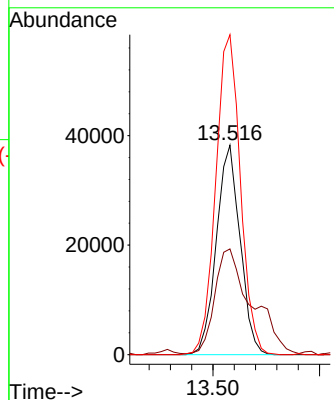
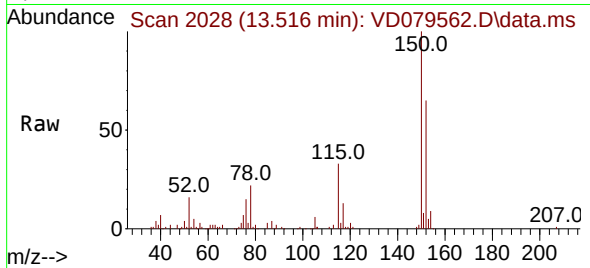




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

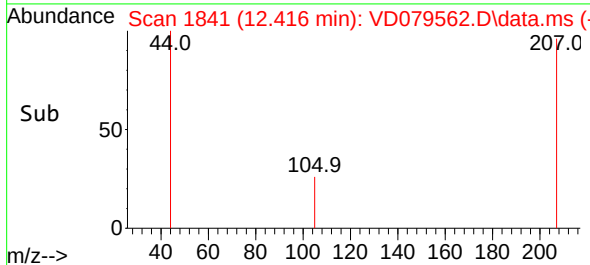
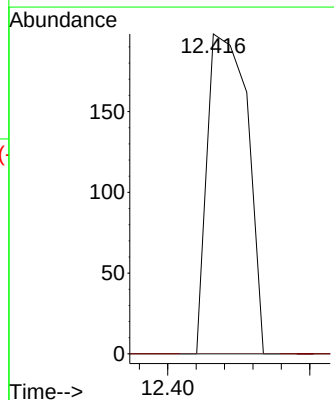
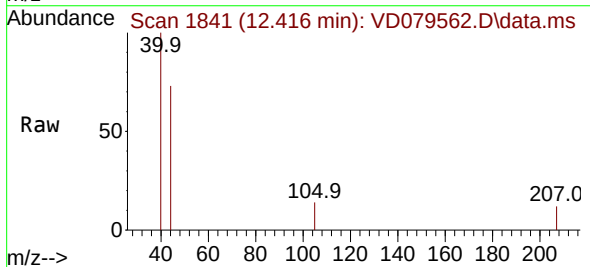
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB02RE

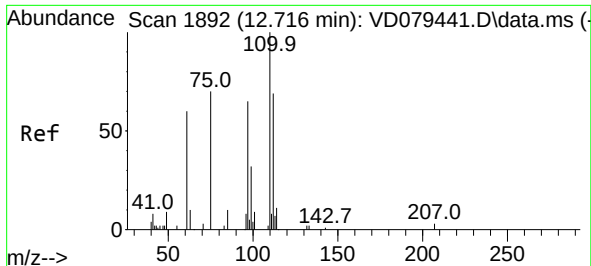
Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.2	26.5	79.5
150	158.9	0.0	341.6



#73
Isopropylbenzene
Concen: 3.669 ug/l
RT: 12.416 min Scan# 1841
Delta R.T. 0.000 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

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

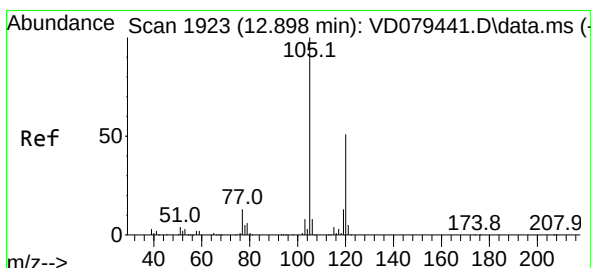
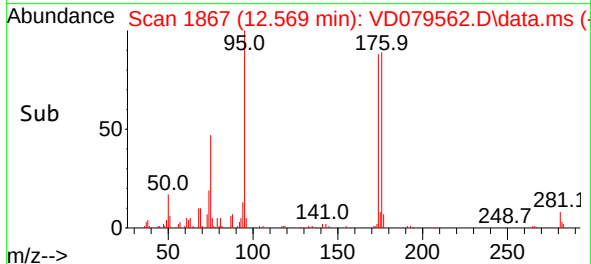
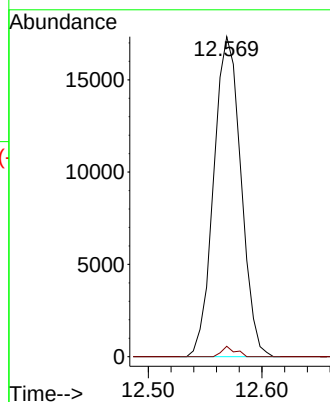
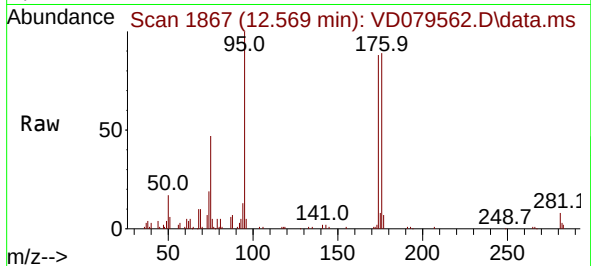




#76
1,2,3-Trichloropropane
Concen: 56.086 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

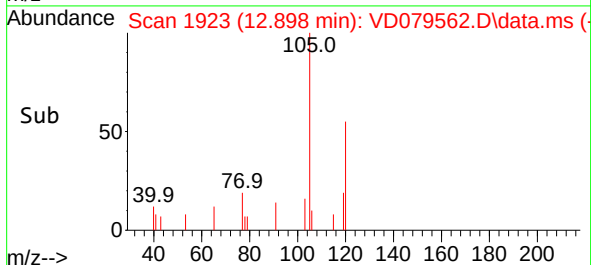
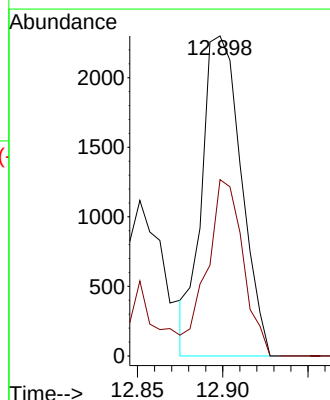
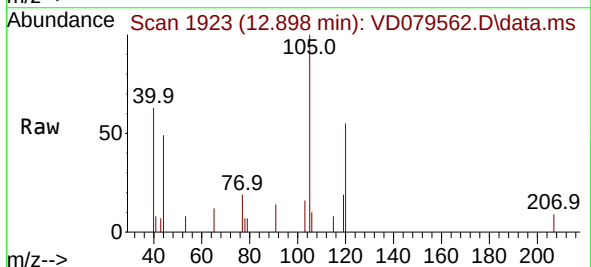
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB02RE

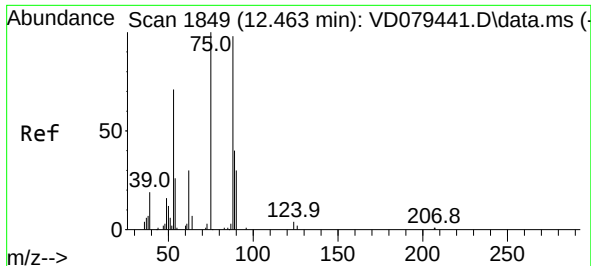
Tgt Ion: 75 Resp: 28965
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.129 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

Tgt Ion: 105 Resp: 3716
Ion Ratio Lower Upper
105 100
120 50.1 25.7 77.1

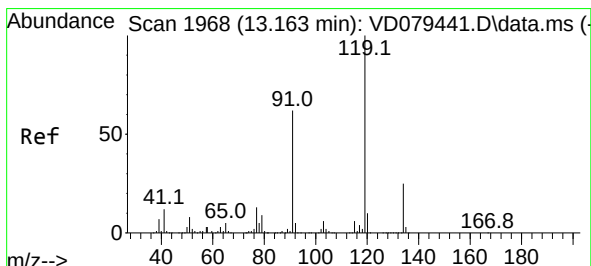
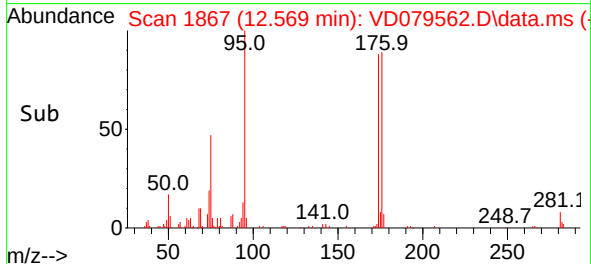
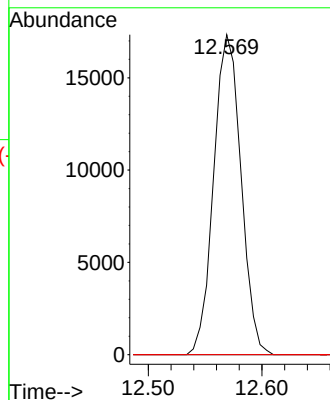
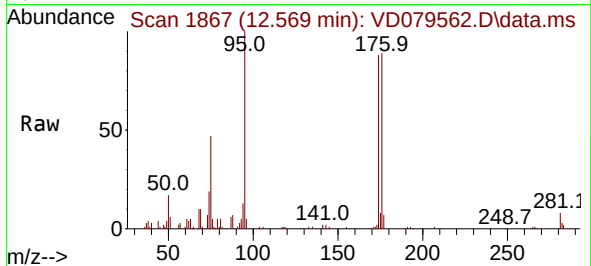




#81
trans-1,4-Dichloro-2-butene
Concen: 106.972 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

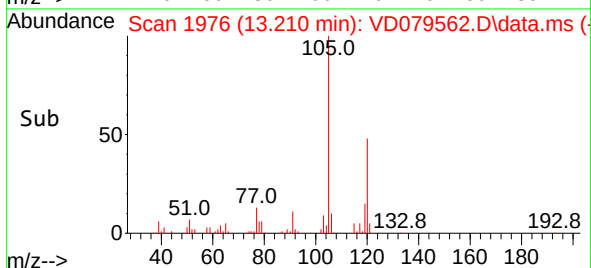
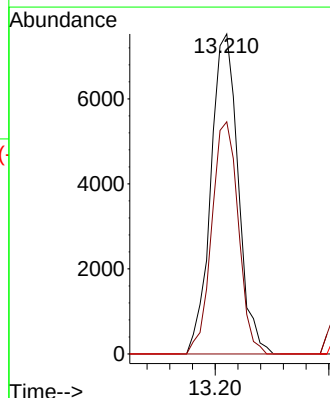
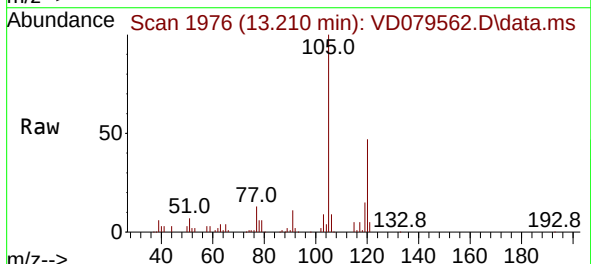
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB02RE

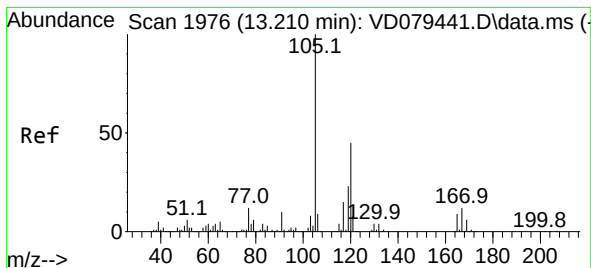
Tgt Ion:	75	Resp:	28965
Ion Ratio	Lower	Upper	
75	100		
53	0.0	61.4	92.2#
89	0.0	35.4	53.0#



#83
tert-Butylbenzene
Concen: 7.293 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.047 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

Tgt Ion:	119	Resp:	12597
Ion Ratio	Lower	Upper	
119	100		
91	70.4	28.2	84.7
134	0.0	13.4	40.1#





#84

1,2,4-Trimethylbenzene

Concen: 23.838 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD079562.D

Acq: 03 Aug 2024 02:13

Instrument :

MSVOA_D

ClientSampleId :

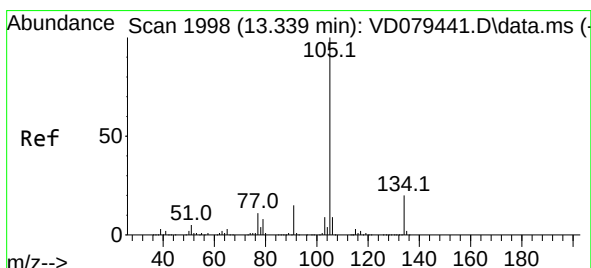
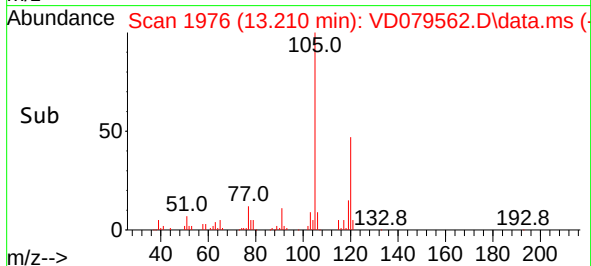
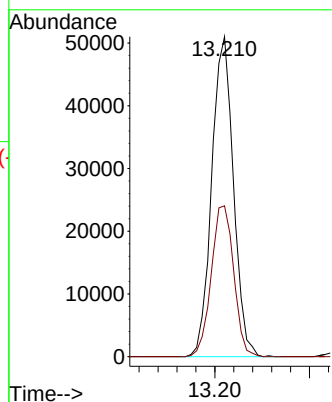
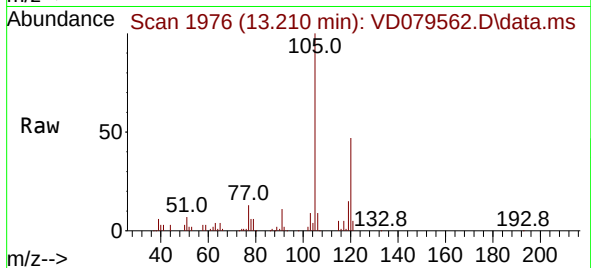
B-105-SB02RE

Tgt Ion:105 Resp: 81137

Ion Ratio Lower Upper

105 100

120 48.9 23.6 71.0



#85

sec-Butylbenzene

Concen: 18.535 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.129 min

Lab File: VD079562.D

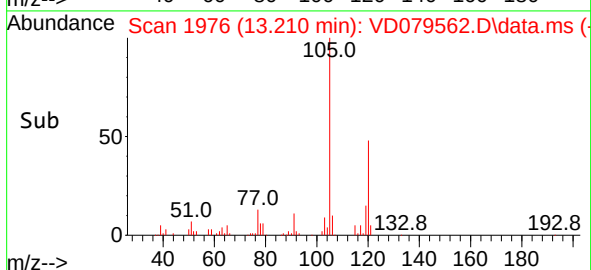
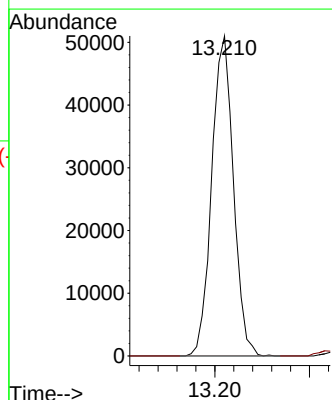
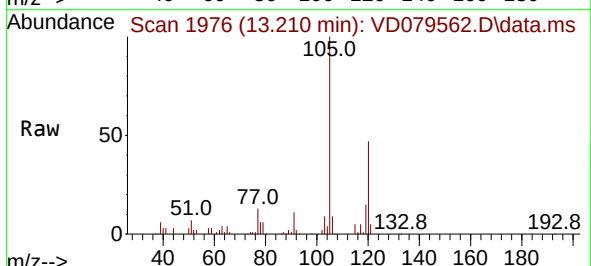
Acq: 03 Aug 2024 02:13

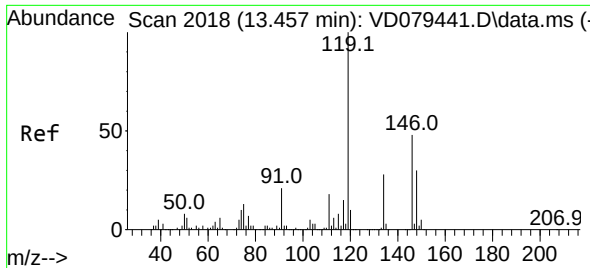
Tgt Ion:105 Resp: 81137

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#

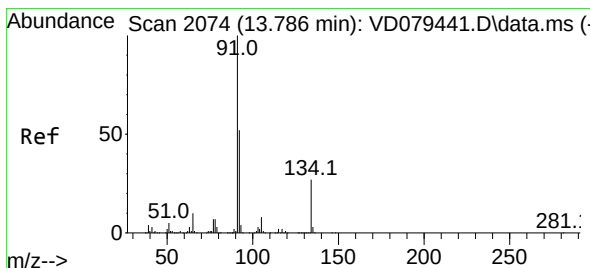
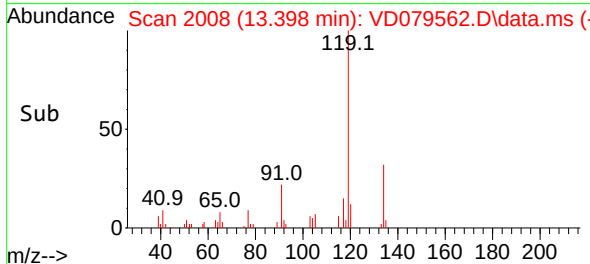
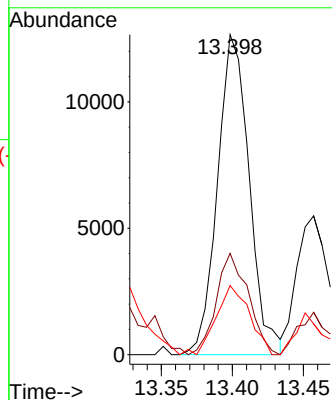
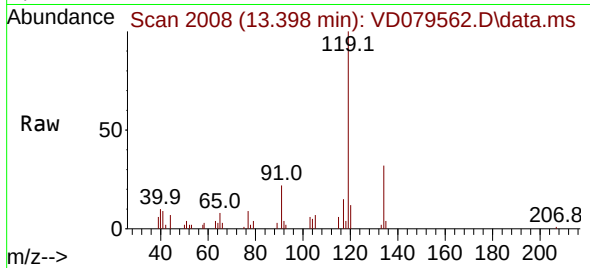




#86
p-Isopropyltoluene
Concen: 8.266 ug/l
RT: 13.398 min Scan# 2068
Delta R.T. -0.059 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

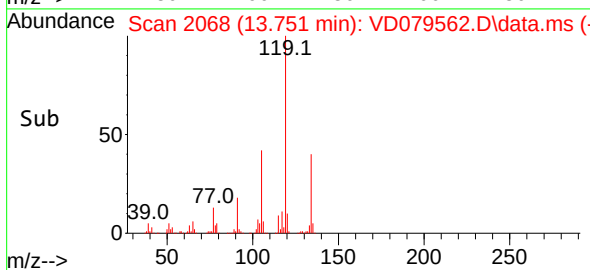
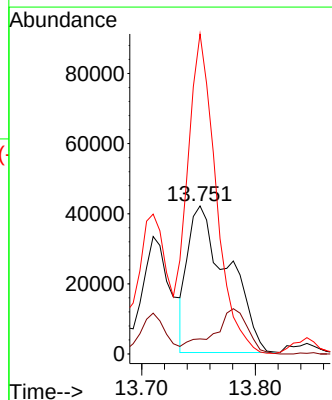
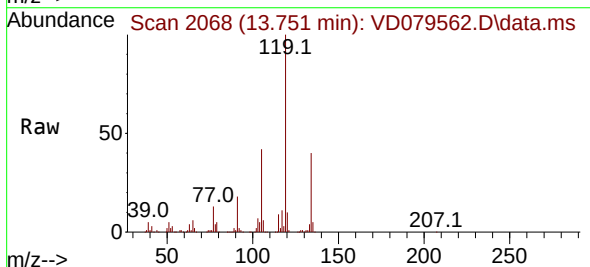
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB02RE

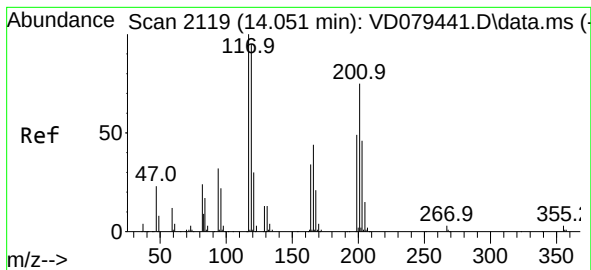
Tgt Ion:119 Resp: 19673
Ion Ratio Lower Upper
119 100
134 31.9 13.7 41.1
91 22.7 10.7 32.1



#89
n-Butylbenzene
Concen: 28.658 ug/l
RT: 13.751 min Scan# 2068
Delta R.T. -0.030 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

Tgt Ion: 91 Resp: 102938
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 155.0 13.6 40.8#





#90

Hexachloroethane

Concen: 127.171 ug/l

RT: 14.057 min Scan# 2119

Delta R.T. 0.012 min

Lab File: VD079562.D

Acq: 03 Aug 2024 02:13

Instrument :

MSVOA_D

ClientSampleId :

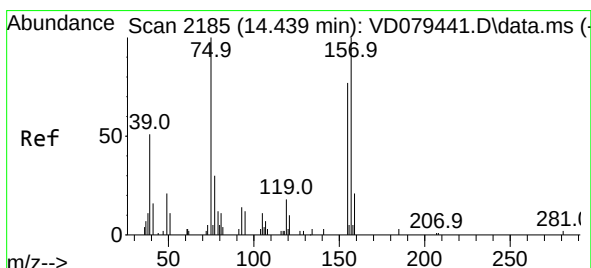
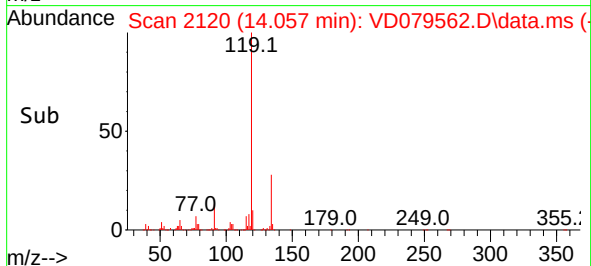
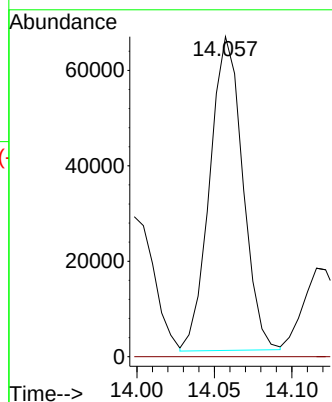
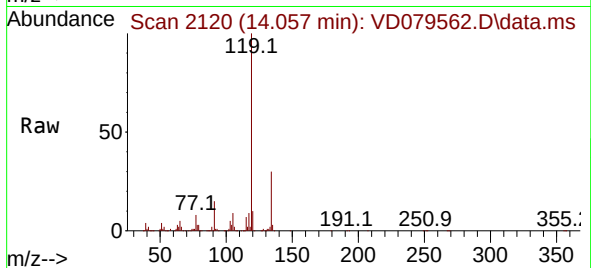
B-105-SB02RE

Tgt Ion:117 Resp: 97369

Ion Ratio Lower Upper

117 100

201 0.0 36.3 108.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.690 ug/l

RT: 14.457 min Scan# 2188

Delta R.T. 0.012 min

Lab File: VD079562.D

Acq: 03 Aug 2024 02:13

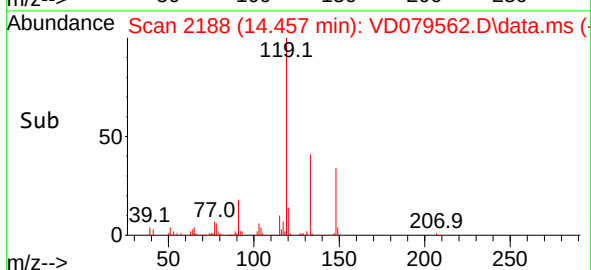
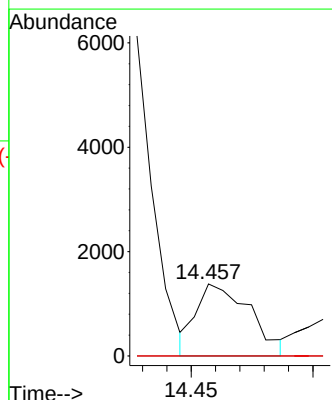
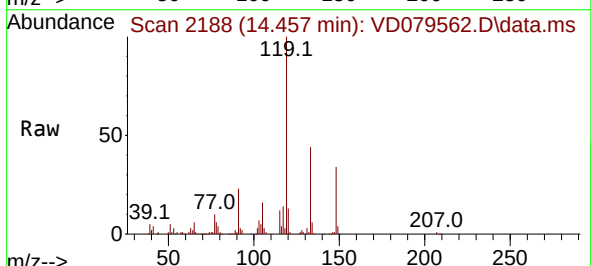
Tgt Ion: 75 Resp: 2113

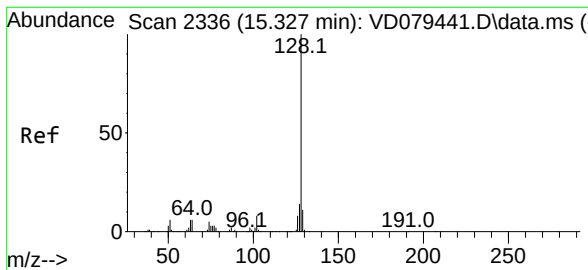
Ion Ratio Lower Upper

75 100

155 0.0 47.7 143.1#

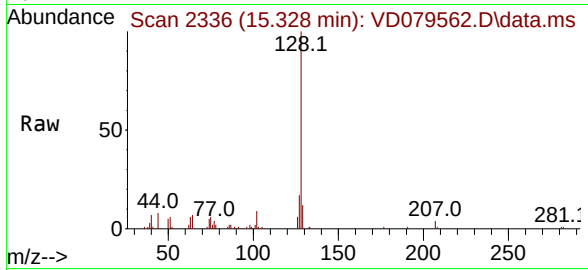
157 0.0 63.4 190.2#





#95
Naphthalene
Concen: 17.305 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD079562.D
Acq: 03 Aug 2024 02:13

Instrument :
MSVOA_D
ClientSampleId :
B-105-SB02RE



Tgt Ion:	128	Resp:	33097
Ion	Ratio	Lower	Upper
128	100		
127	17.0	10.2	15.4#
129	12.5	8.5	12.7

