

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079561.D
 Acq On : 03 Aug 2024 01:46
 Operator : RP/MD
 Sample : P3394-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-105-SB01

Quant Time: Aug 03 02:31:42 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)

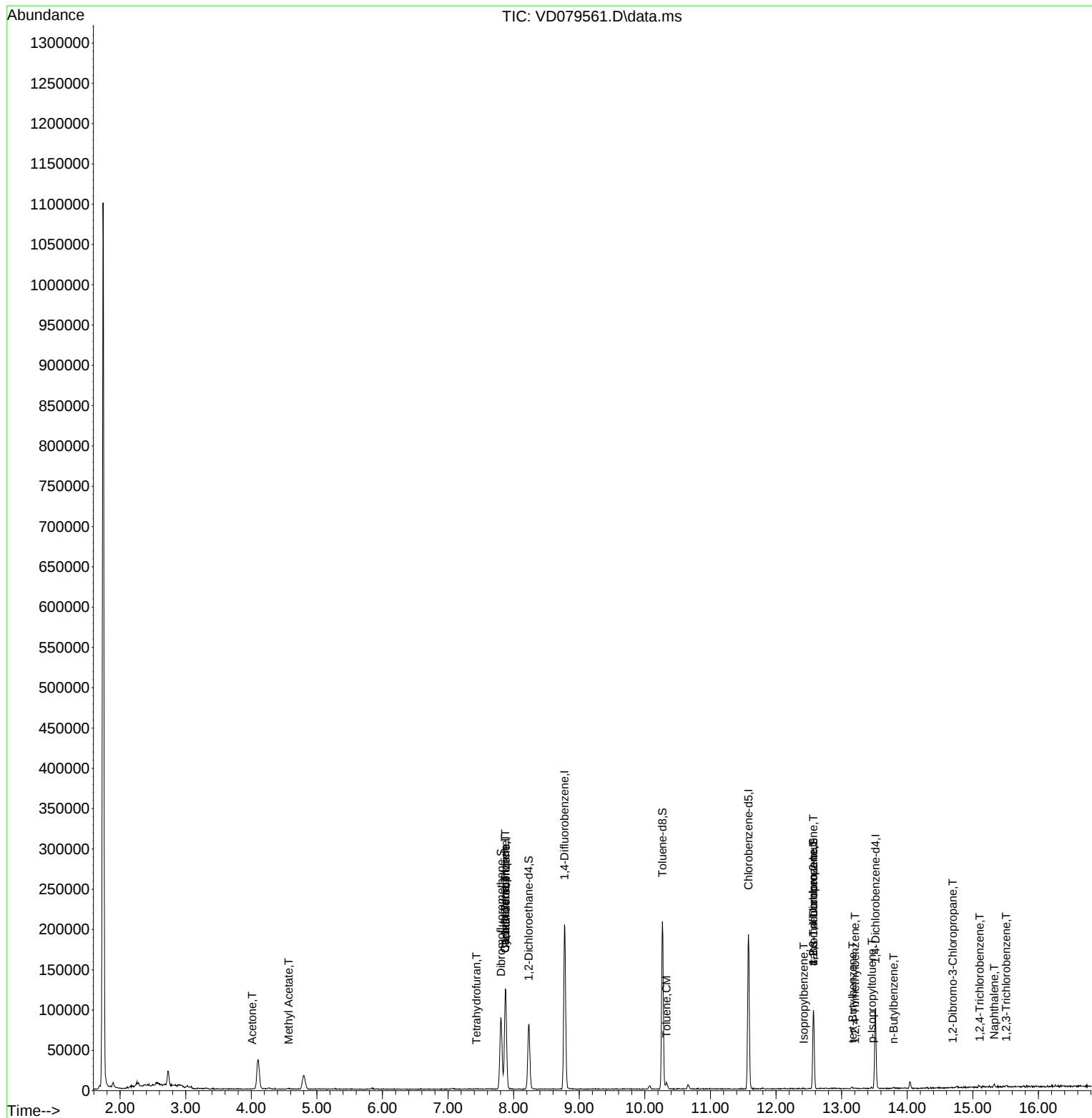
Internal Standards						
1) Pentafluorobenzene	7.881	168	95900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	187577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	117738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	27692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63265	64.937	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.880%			
35) Dibromofluoromethane	7.810	113	66130	52.087	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.180%			
50) Toluene-d8	10.269	98	151857	30.800	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 61.600%			
62) 4-Bromofluorobenzene	12.569	95	29399	20.606	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 41.220%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	568	Below Cal	#	1
13) Acrolein	3.805	56	56	Below Cal	#	15
16) Acetone	4.016	43	611	3.227	ug/l #	86
18) Methyl Acetate	4.569	43	1614	2.746	ug/l #	45
20) Methylene Chloride	4.811	84	13980	Below Cal	#	87
29) Tetrahydrofuran	7.434	42	193	1.160	ug/l #	21
31) Cyclohexane	7.869	56	2108	1.303	ug/l #	34
36) 1,1-Dichloropropene	7.875	75	7889	4.553	ug/l #	45
38) Carbon Tetrachloride	7.869	117	10343	5.678	ug/l #	18
52) Toluene	10.328	92	3659	1.075	ug/l	94
73) Isopropylbenzene	12.422	105	65	3.657	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	14871	61.436	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	14871	117.176	ug/l #	19
83) tert-Butylbenzene	13.169	119	58	3.664	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.204	105	359	3.621	ug/l #	64
86) p-Isopropyltoluene	13.463	119	537	4.141	ug/l #	51
89) n-Butylbenzene	13.792	91	744	4.166	ug/l	76
92) 1,2-Dibromo-3-Chloropr...	14.692	75	125	2.611	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.104	180	914	1.765	ug/l #	78
95) Naphthalene	15.328	128	3324	3.708	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.510	180	1095	2.403	ug/l	88

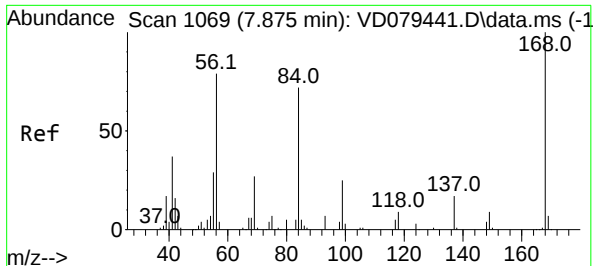
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

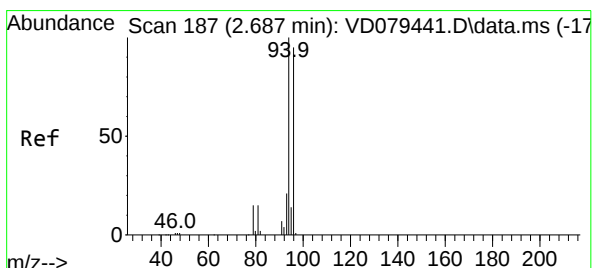
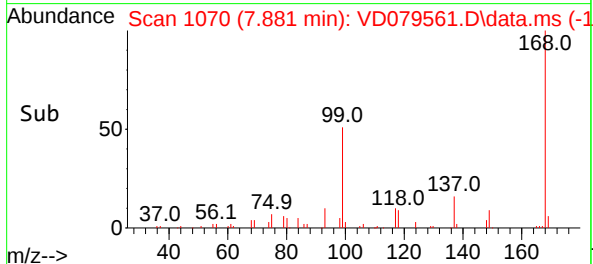
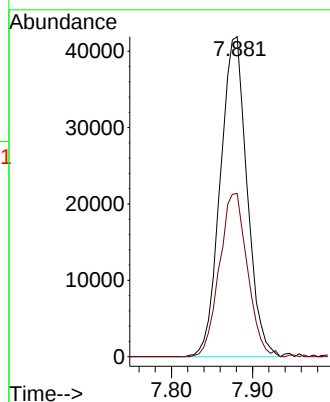
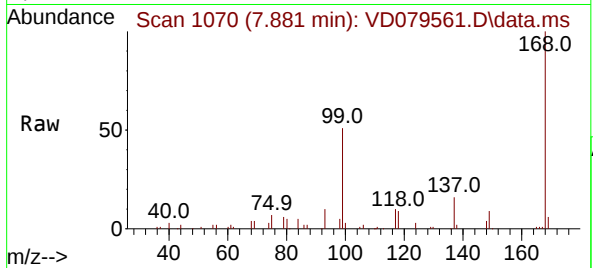




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

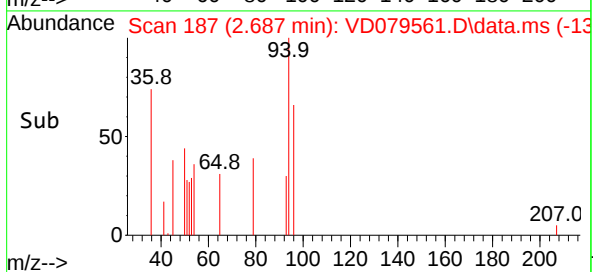
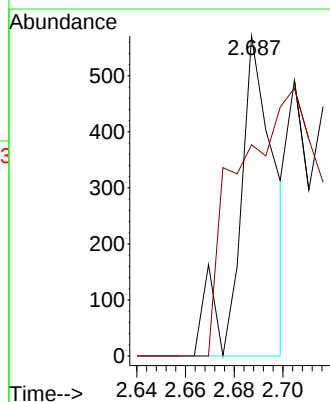
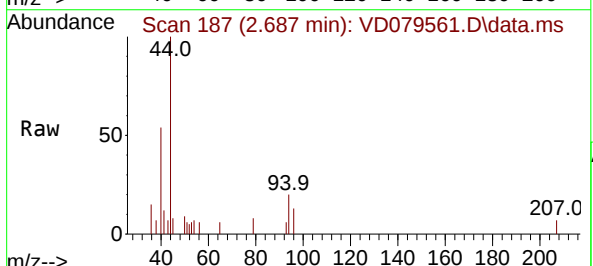
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB01

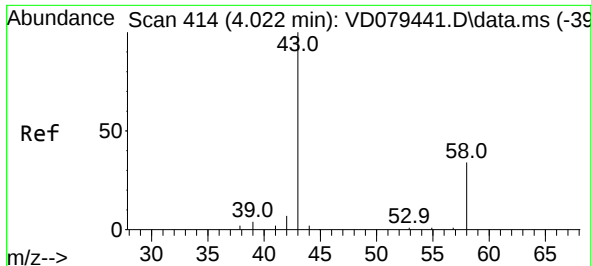
Tgt Ion:168 Resp: 95900
Ion Ratio Lower Upper
168 100
99 51.0 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

Tgt Ion: 94 Resp: 568
Ion Ratio Lower Upper
94 100
96 224.5 76.9 115.3#

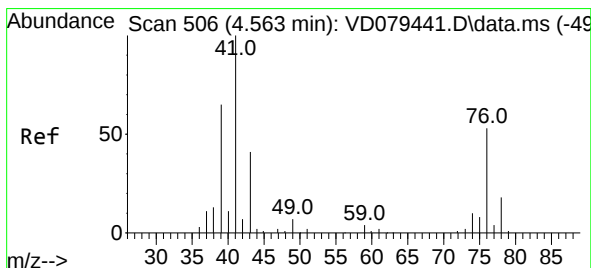
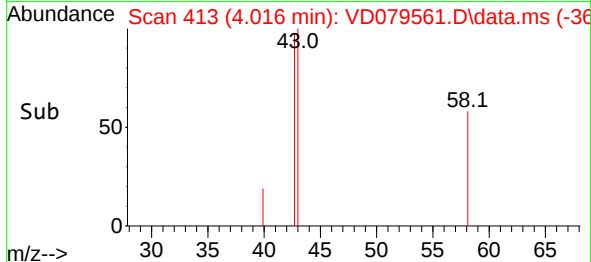
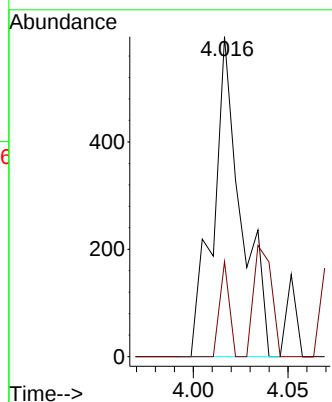
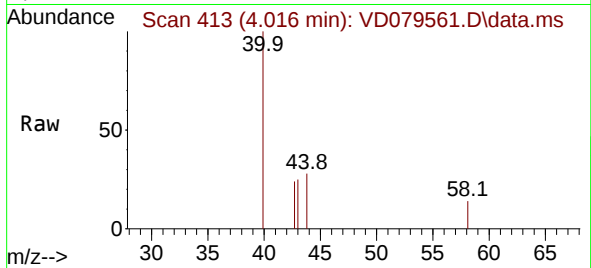




#16
Acetone
Concen: 3.227 ug/l
RT: 4.016 min Scan# 411
Delta R.T. -0.006 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

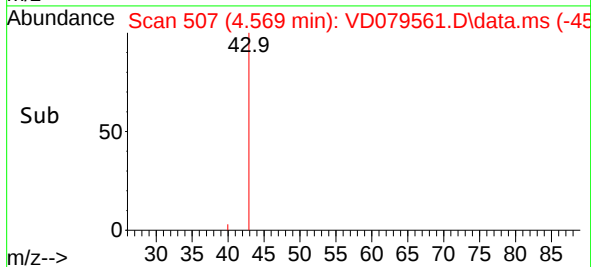
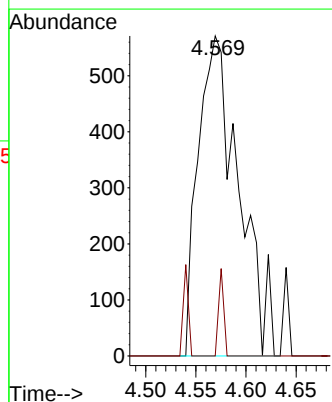
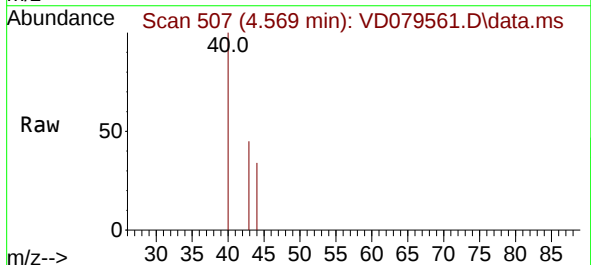
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB01

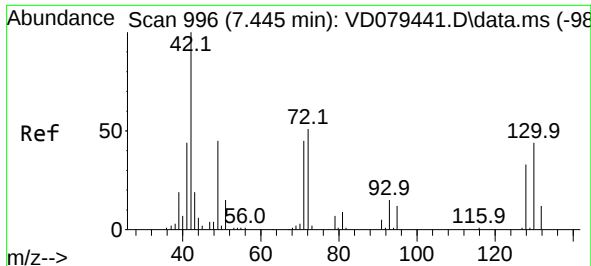
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
58 29.7 30.4 45.6#



#18
Methyl Acetate
Concen: 2.746 ug/l
RT: 4.569 min Scan# 507
Delta R.T. -0.000 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

Tgt Ion: 43 Resp: 1614
Ion Ratio Lower Upper
43 100
74 3.4 28.1 42.1#





#29

Tetrahydrofuran

Concen: 1.160 ug/l

RT: 7.434 min Scan# 994

Delta R.T. -0.012 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

Instrument :

MSVOA_D

ClientSampleId :

B-105-SB01

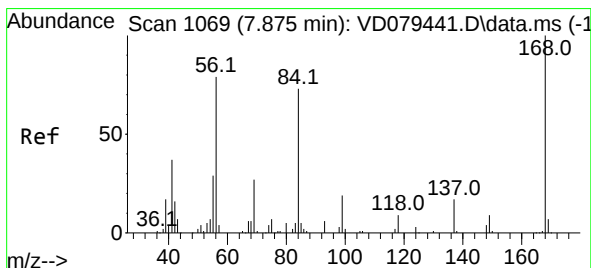
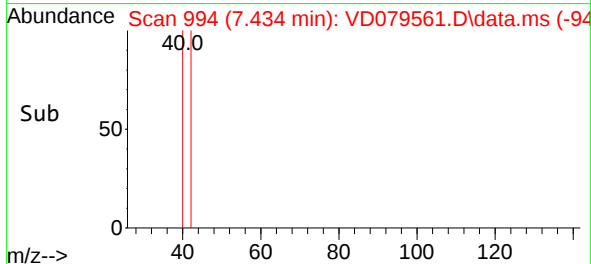
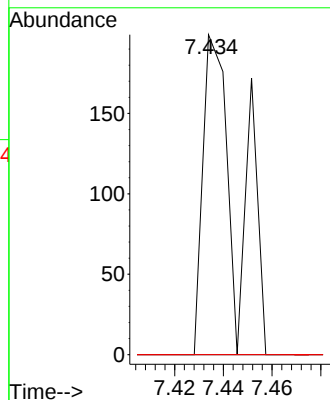
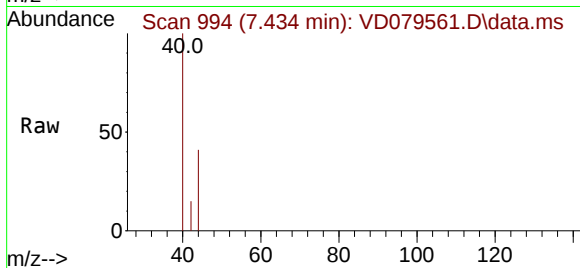
Tgt Ion: 42 Resp: 193

Ion Ratio Lower Upper

42 100

72 0.0 49.4 74.0#

71 0.0 45.0 67.6#



#31

Cyclohexane

Concen: 1.303 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

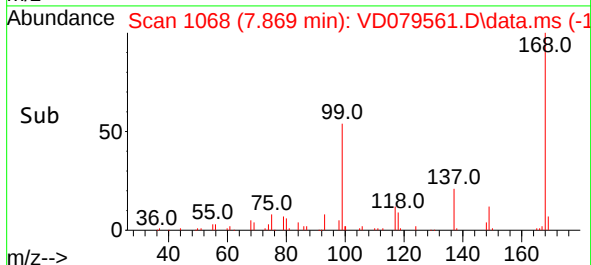
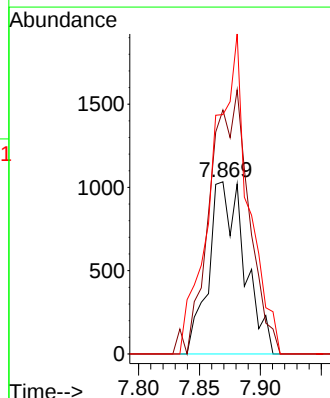
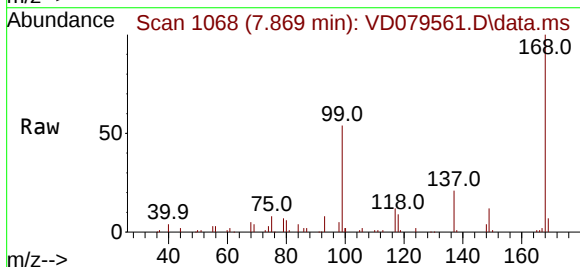
Tgt Ion: 56 Resp: 2108

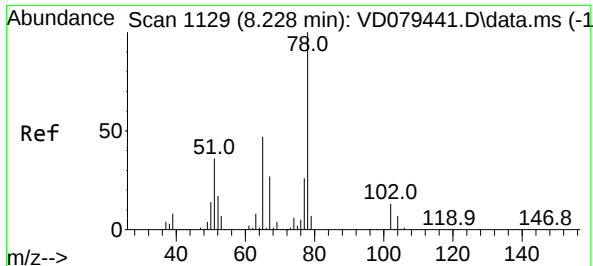
Ion Ratio Lower Upper

56 100

69 141.7 28.0 42.0#

84 139.1 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 64.937 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

Instrument :

MSVOA_D

ClientSampleId :

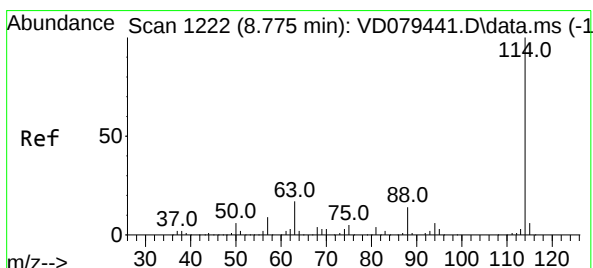
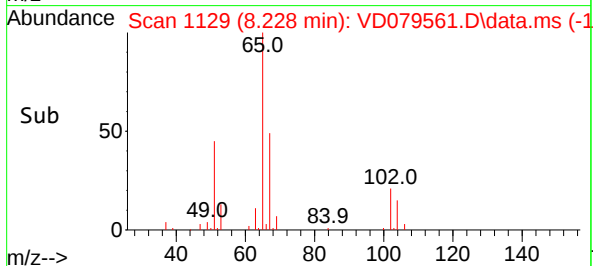
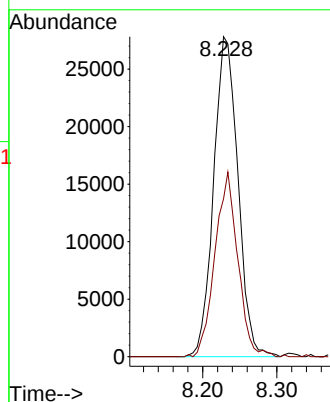
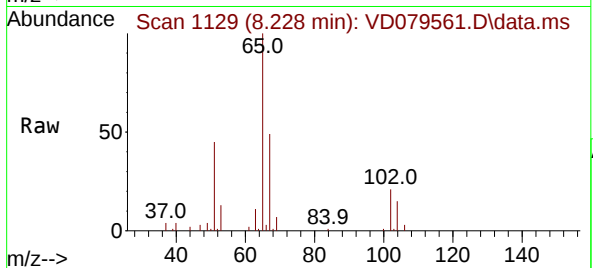
B-105-SB01

Tgt Ion: 65 Resp: 63265

Ion Ratio Lower Upper

65 100

67 54.3 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

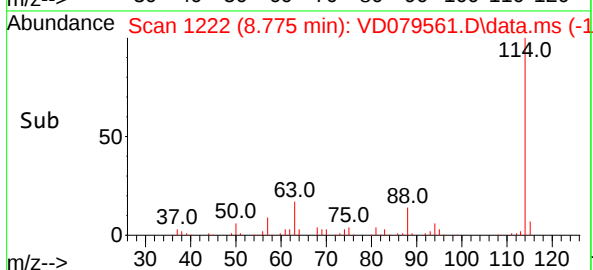
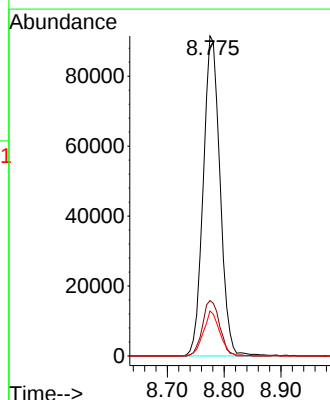
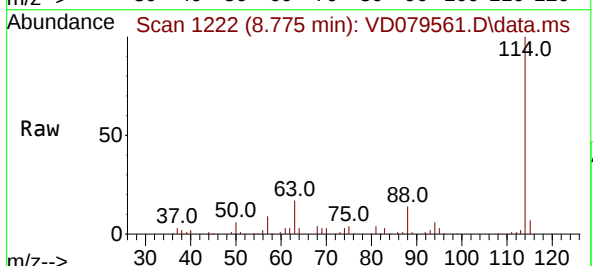
Tgt Ion: 114 Resp: 187577

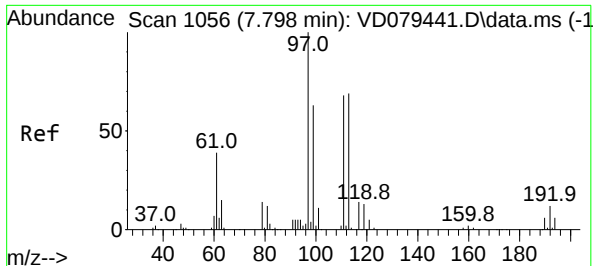
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.0

88 14.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.087 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

Instrument :

MSVOA_D

ClientSampleId :

B-105-SB01

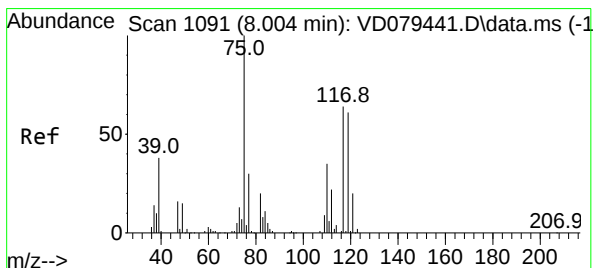
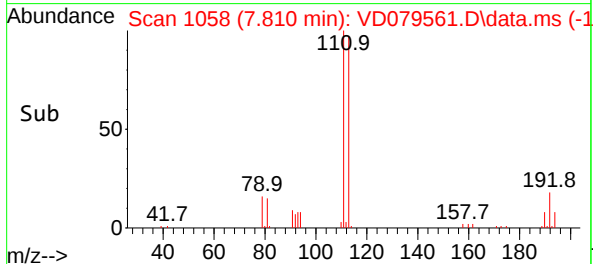
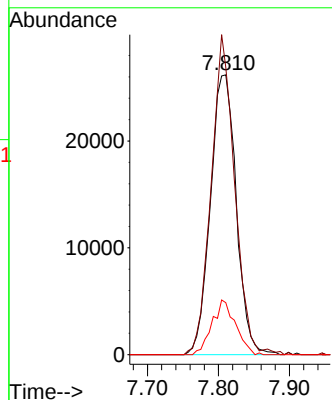
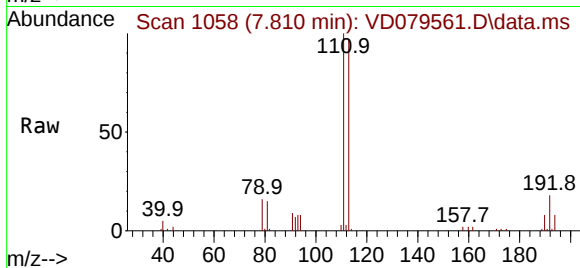
Tgt Ion:113 Resp: 66130

Ion Ratio Lower Upper

113 100

111 104.1 84.0 126.0

192 17.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.553 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

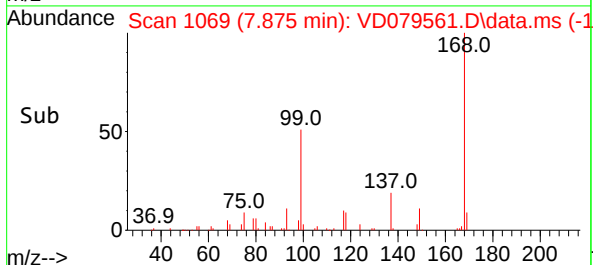
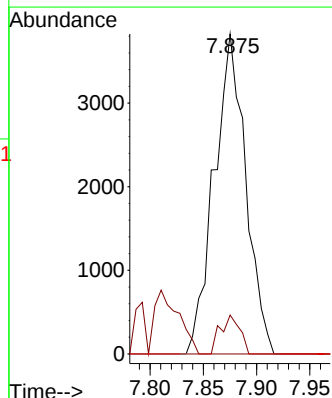
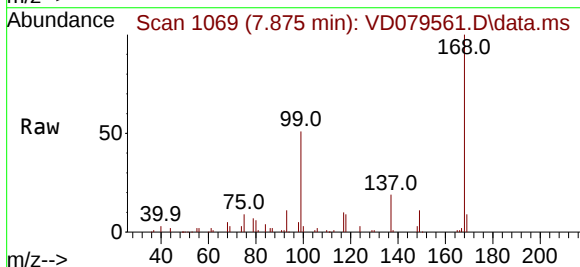
Tgt Ion: 75 Resp: 7889

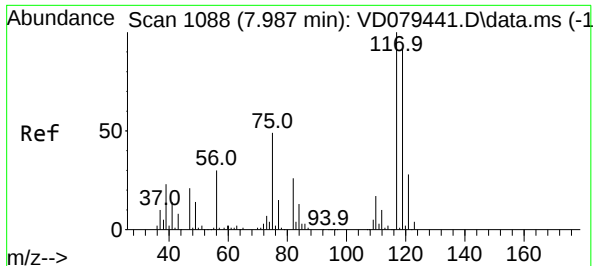
Ion Ratio Lower Upper

75 100

110 7.5 19.6 58.7#

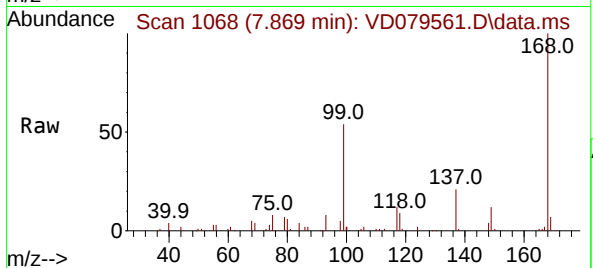
77 0.0 26.1 39.1#



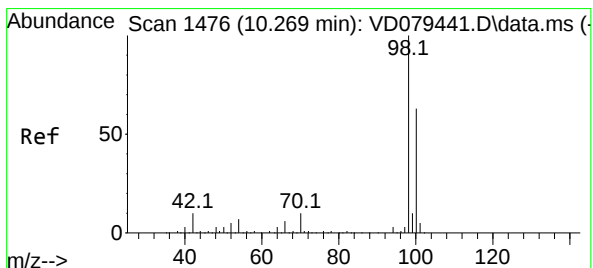
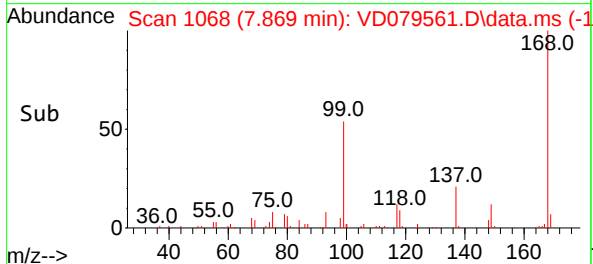
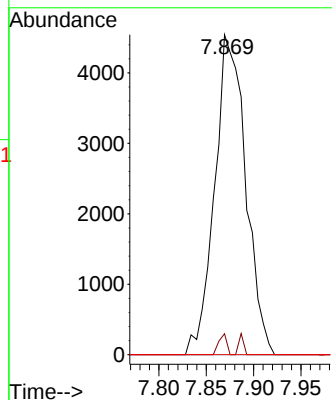


#38
Carbon Tetrachloride
Concen: 5.678 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

Instrument :
MSVOA_D
ClientSampleId :
B-105-SB01

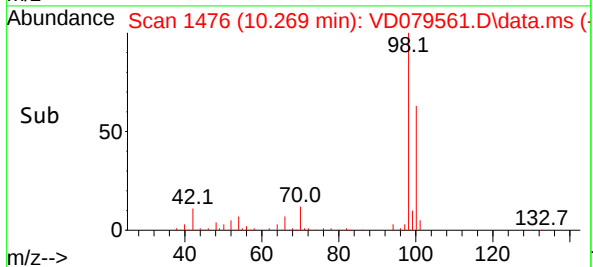
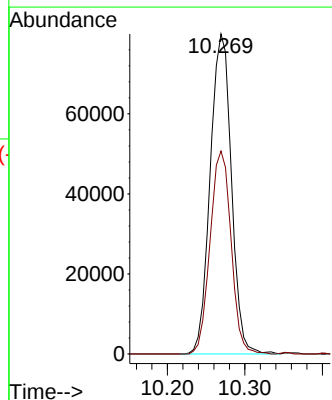
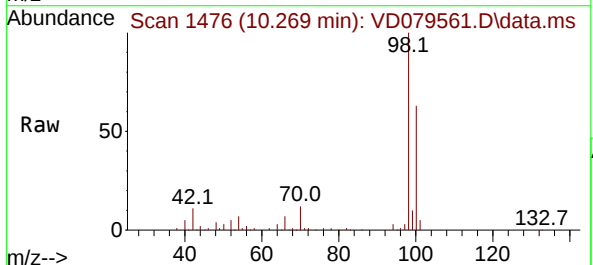


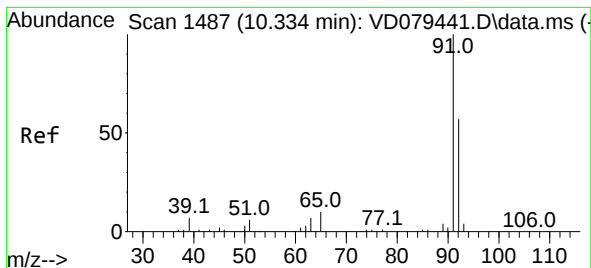
Tgt Ion:117 Resp: 10343
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 30.800 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

Tgt Ion: 98 Resp: 151857
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4





#52

Toluene

Concen: 1.075 ug/l

RT: 10.328 min Scan# 1486

Delta R.T. -0.000 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

Instrument :

MSVOA_D

ClientSampleId :

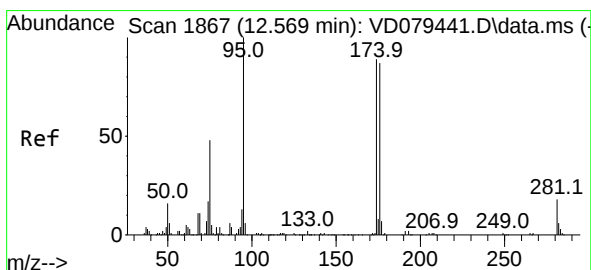
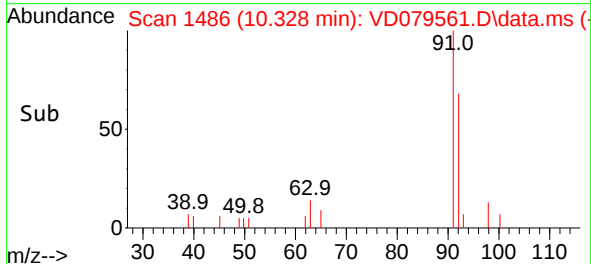
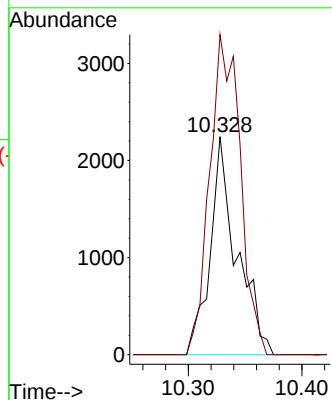
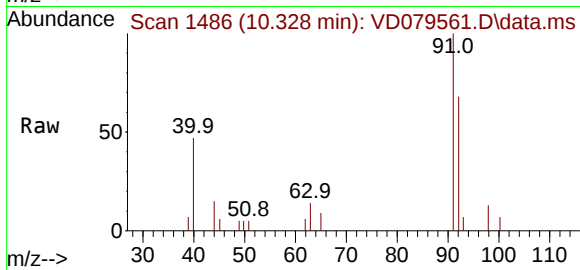
B-105-SB01

Tgt Ion: 92 Resp: 3659

Ion Ratio Lower Upper

92 100

91 168.8 141.7 212.5



#62

4-Bromofluorobenzene

Concen: 20.606 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

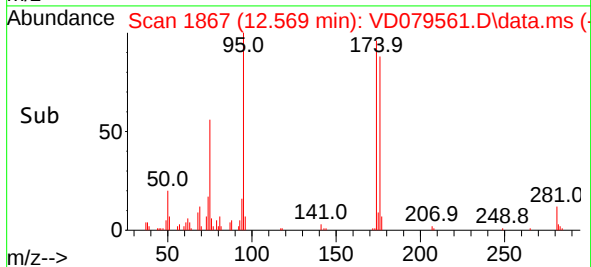
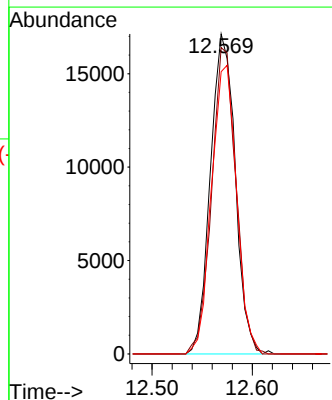
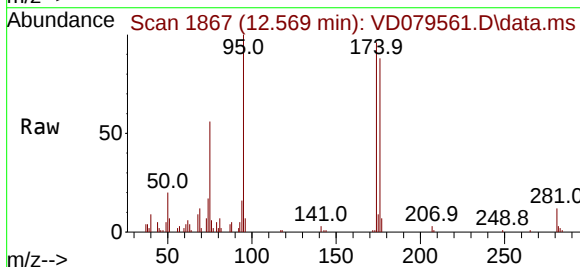
Tgt Ion: 95 Resp: 29399

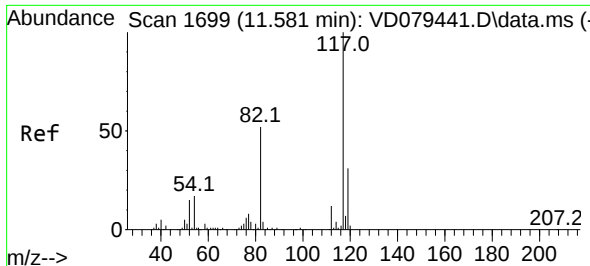
Ion Ratio Lower Upper

95 100

174 93.7 0.0 195.4

176 91.4 0.0 192.6

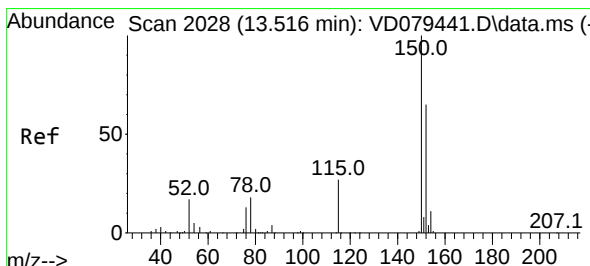
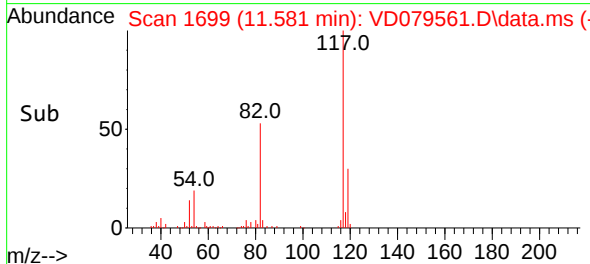
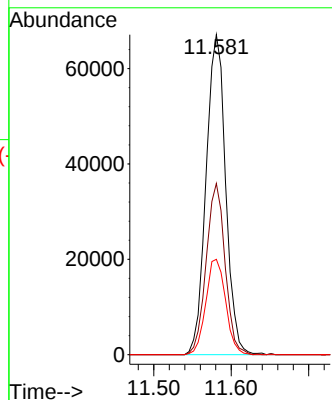
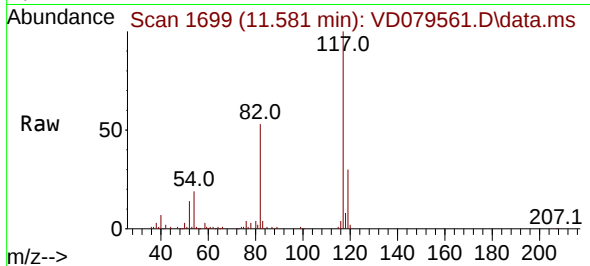




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

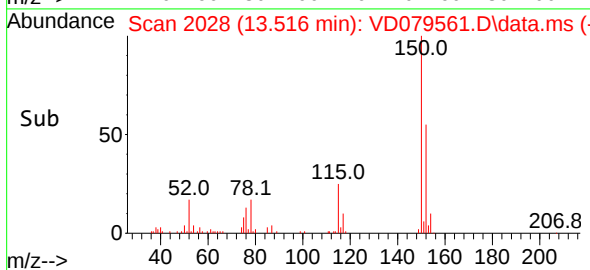
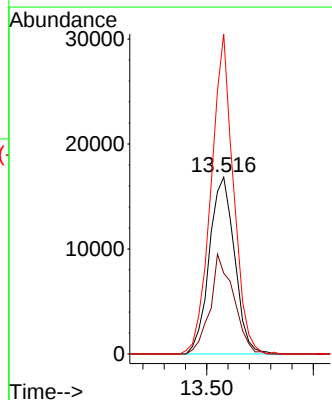
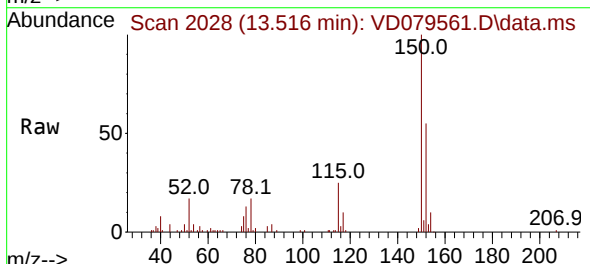
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB01

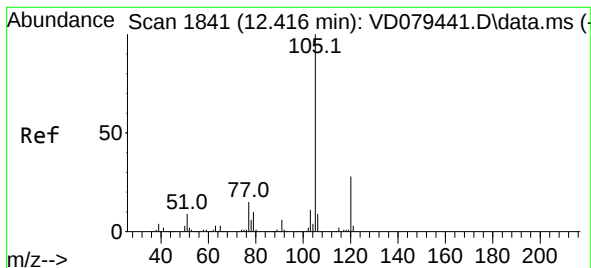
Tgt Ion:117 Resp: 117738
Ion Ratio Lower Upper
117 100
82 53.5 39.8 59.6
119 29.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

Tgt Ion:152 Resp: 27692
Ion Ratio Lower Upper
152 100
115 52.5 26.5 79.5
150 160.3 0.0 341.6





#73

Isopropylbenzene

Concen: 3.657 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

Instrument :

MSVOA_D

ClientSampleId :

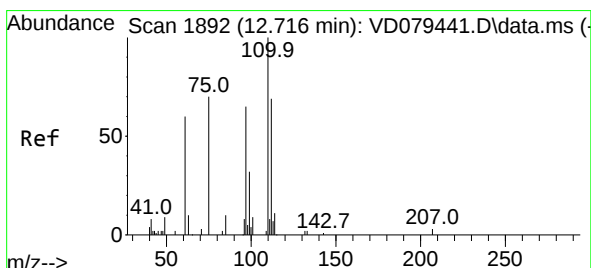
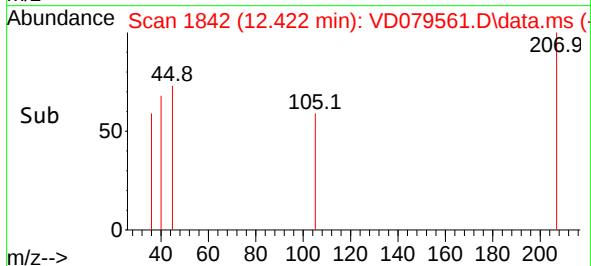
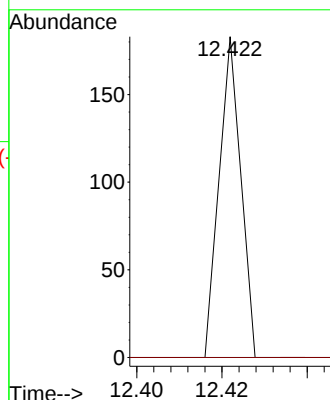
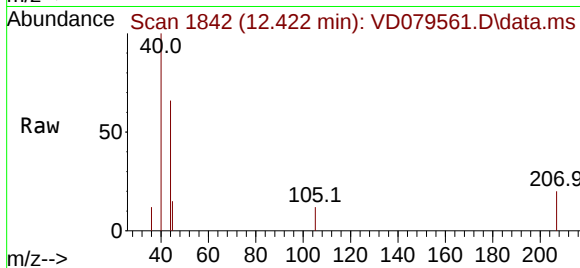
B-105-SB01

Tgt Ion:105 Resp: 65

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 61.436 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079561.D

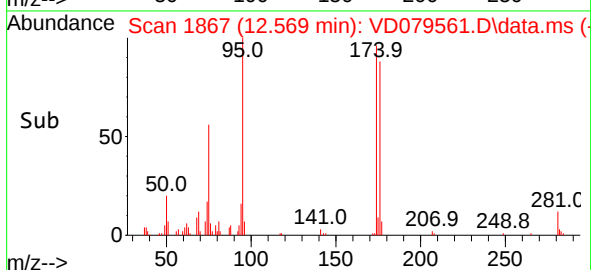
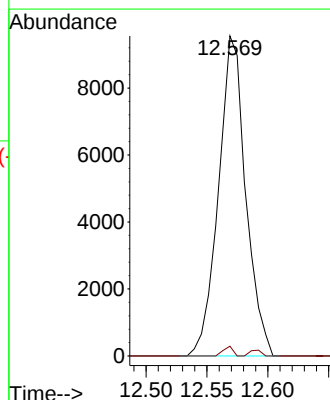
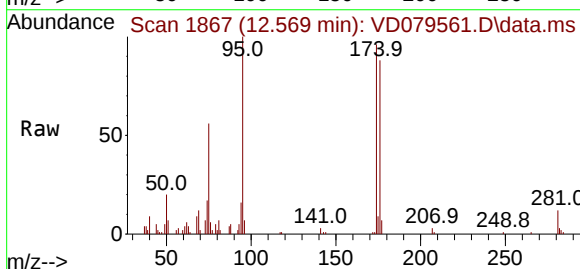
Acq: 03 Aug 2024 01:46

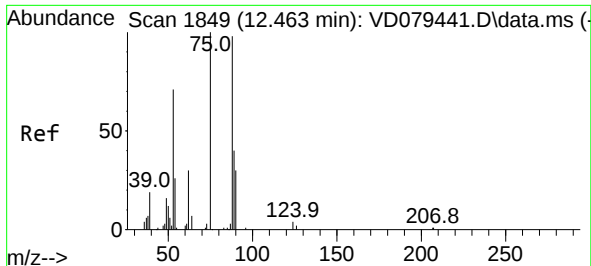
Tgt Ion: 75 Resp: 14871

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

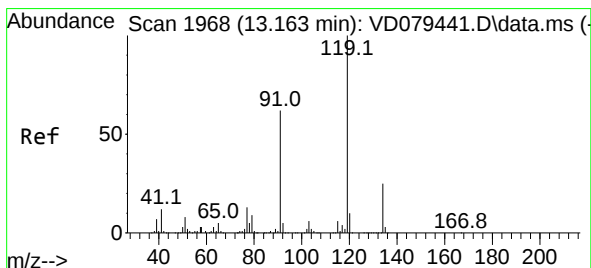
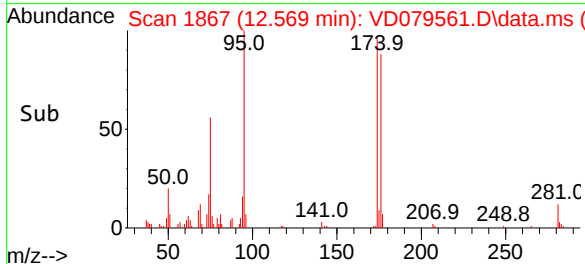
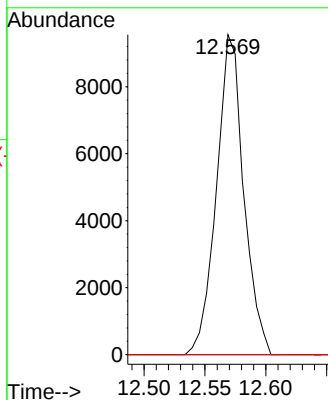
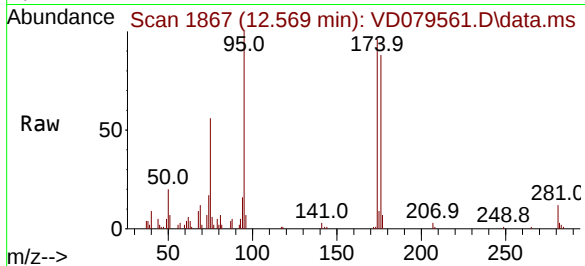




#81
trans-1,4-Dichloro-2-butene
Concen: 117.176 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

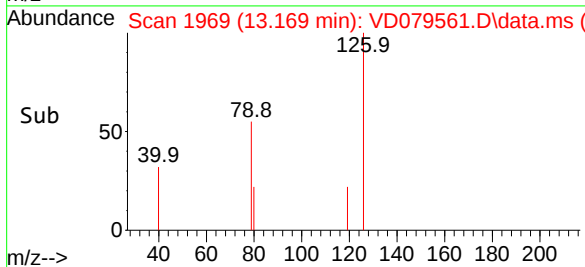
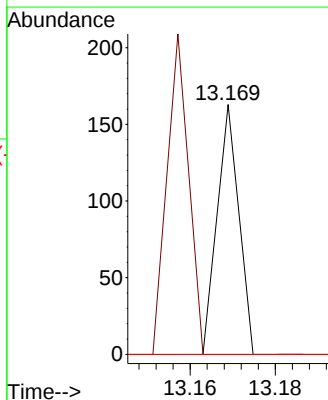
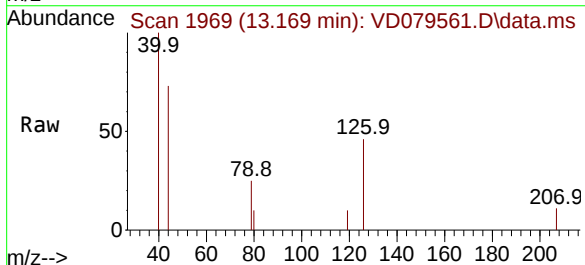
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB01

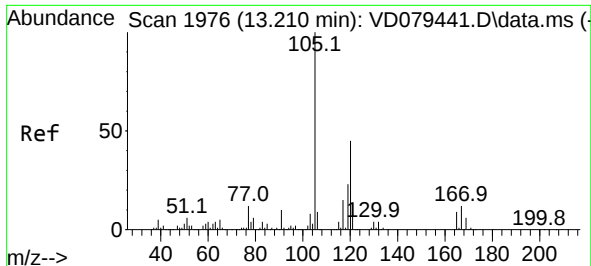
Tgt Ion: 75 Resp: 14871
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#83
tert-Butylbenzene
Concen: 3.664 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. 0.006 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

Tgt Ion: 119 Resp: 58
Ion Ratio Lower Upper
119 100
91 127.6 28.2 84.7#
134 0.0 13.4 40.1#

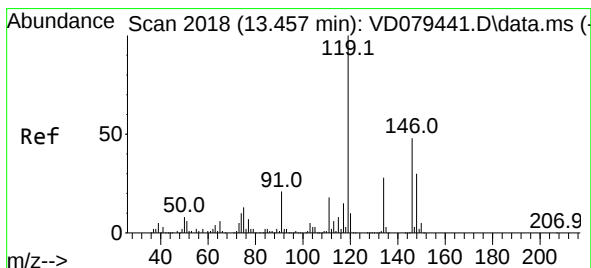
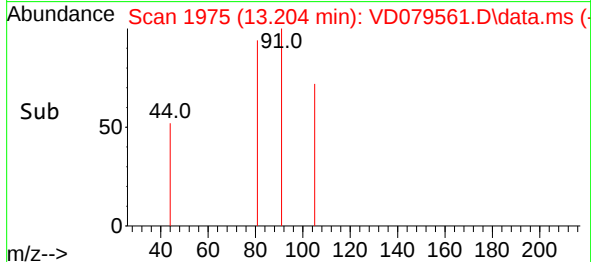
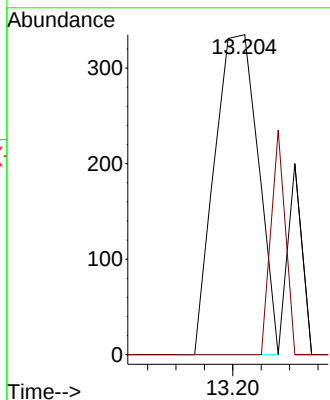
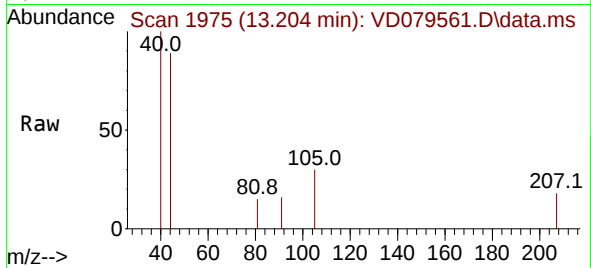




#84
1,2,4-Trimethylbenzene
Concen: 3.621 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

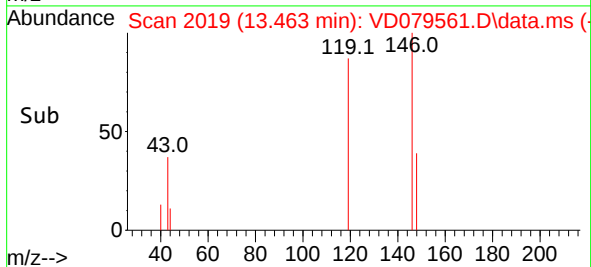
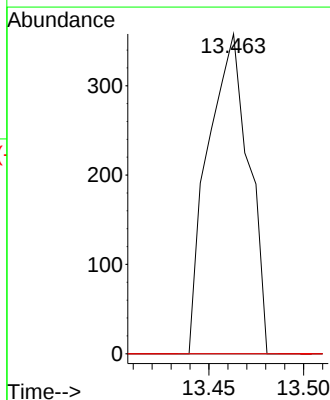
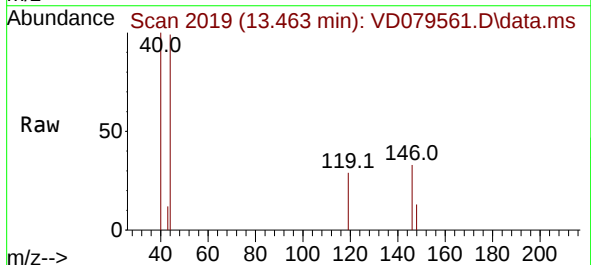
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB01

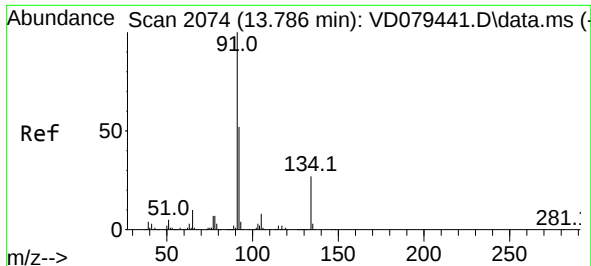
Tgt Ion:105 Resp: 359
Ion Ratio Lower Upper
105 100
120 23.1 23.6 71.0#



#86
p-Isopropyltoluene
Concen: 4.141 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

Tgt Ion:119 Resp: 537
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#

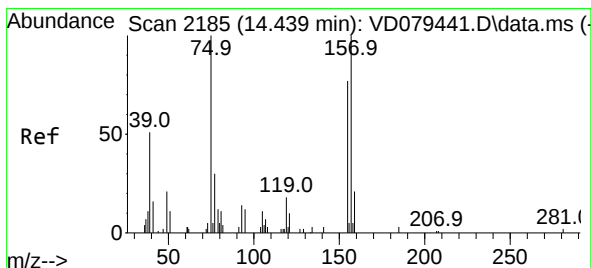
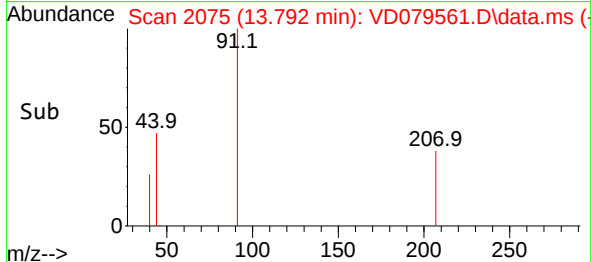
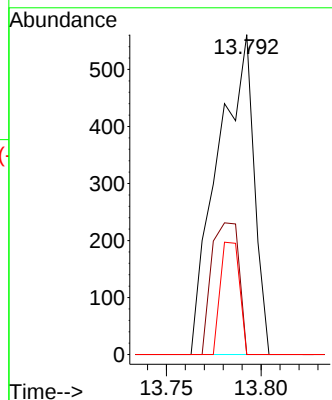
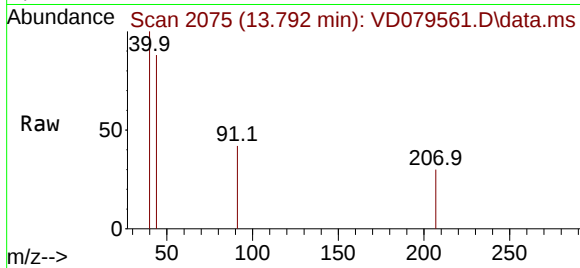




#89
n-Butylbenzene
Concen: 4.166 ug/l
RT: 13.792 min Scan# 2075
Delta R.T. 0.011 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

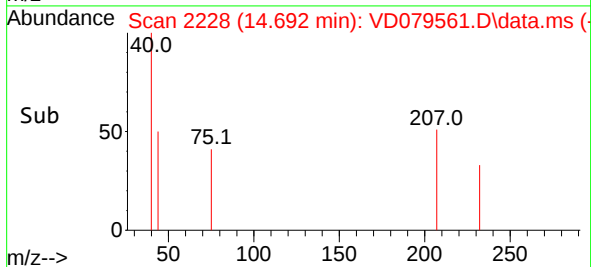
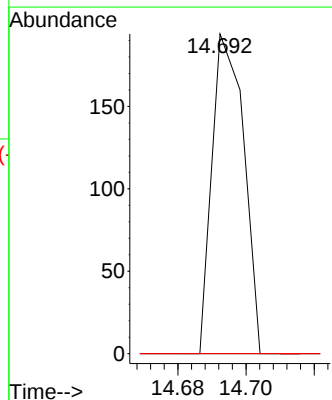
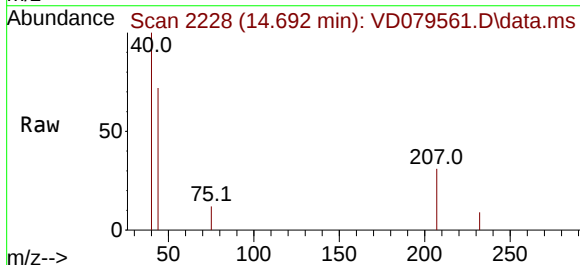
Instrument :
MSVOA_D
ClientSampleId :
B-105-SB01

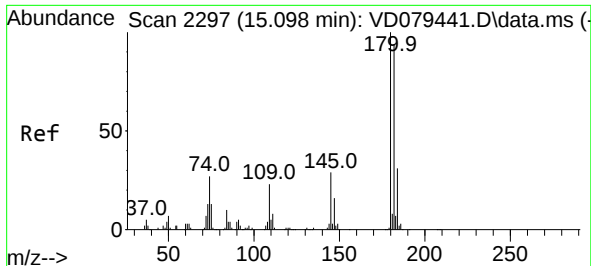
Tgt Ion:	91	Resp:	744
Ion	Ratio	Lower	Upper
91	100		
92	31.3	25.7	77.0
134	18.5	13.6	40.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.611 ug/l
RT: 14.692 min Scan# 2228
Delta R.T. 0.247 min
Lab File: VD079561.D
Acq: 03 Aug 2024 01:46

Tgt Ion:	75	Resp:	125
Ion	Ratio	Lower	Upper
75	100		
155	0.0	47.7	143.1#
157	0.0	63.4	190.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.765 ug/l

RT: 15.104 min Scan# 2297

Delta R.T. 0.012 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

Instrument :

MSVOA_D

ClientSampleId :

B-105-SB01

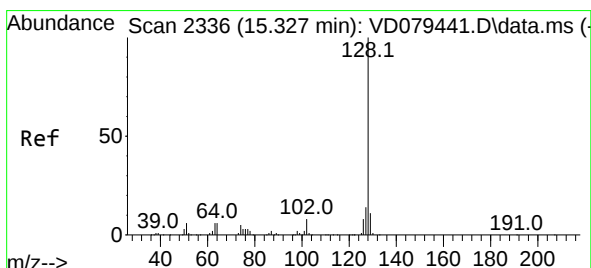
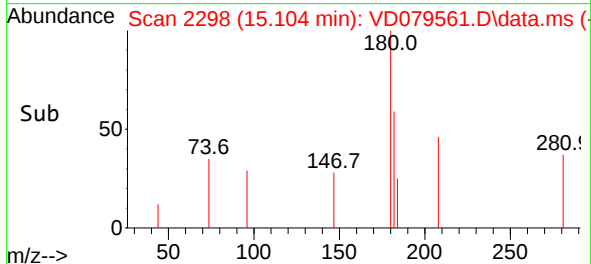
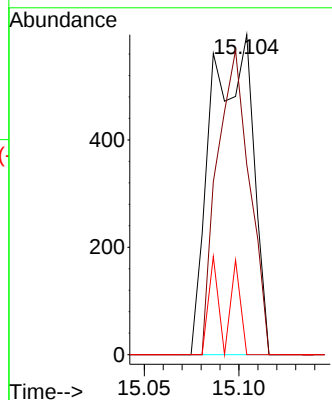
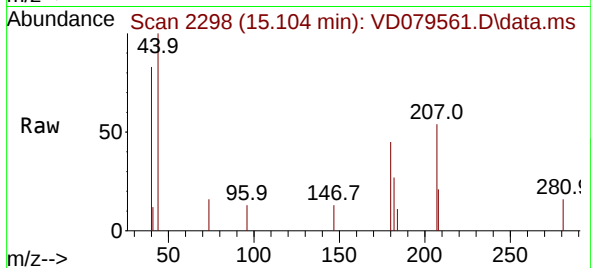
Tgt Ion:180 Resp: 914

Ion Ratio Lower Upper

180 100

182 73.9 46.9 140.7

145 13.9 14.0 41.9#



#95

Naphthalene

Concen: 3.708 ug/l

RT: 15.328 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VD079561.D

Acq: 03 Aug 2024 01:46

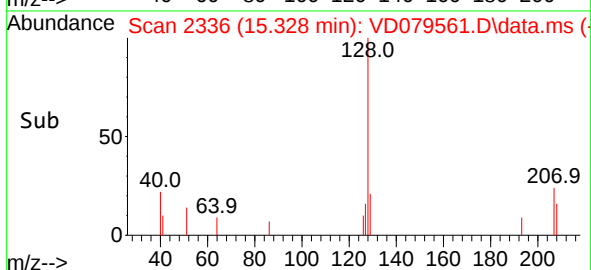
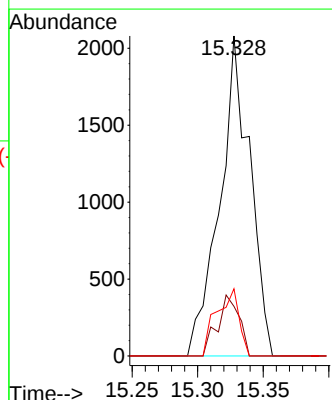
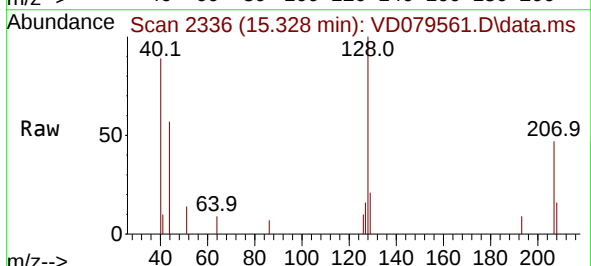
Tgt Ion:128 Resp: 3324

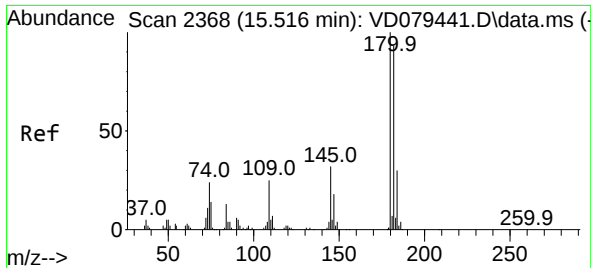
Ion Ratio Lower Upper

128 100

127 15.5 10.2 15.4#

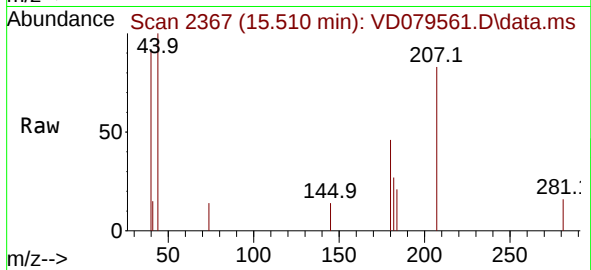
129 21.0 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.403 ug/l
 RT: 15.510 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VD079561.D
 Acq: 03 Aug 2024 01:46

Instrument :
 MSVOA_D
 ClientSampleId :
 B-105-SB01



Tgt Ion:	180	Resp:	1095
Ion	Ratio	Lower	Upper
180	100		
182	86.2	47.8	143.3
145	21.7	16.1	48.2

