

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043129.D
 Acq On : 24 Sep 2024 17:44
 Operator : JC/MD
 Sample : P4164-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D1-20240919

Quant Time: Sep 25 01:33:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

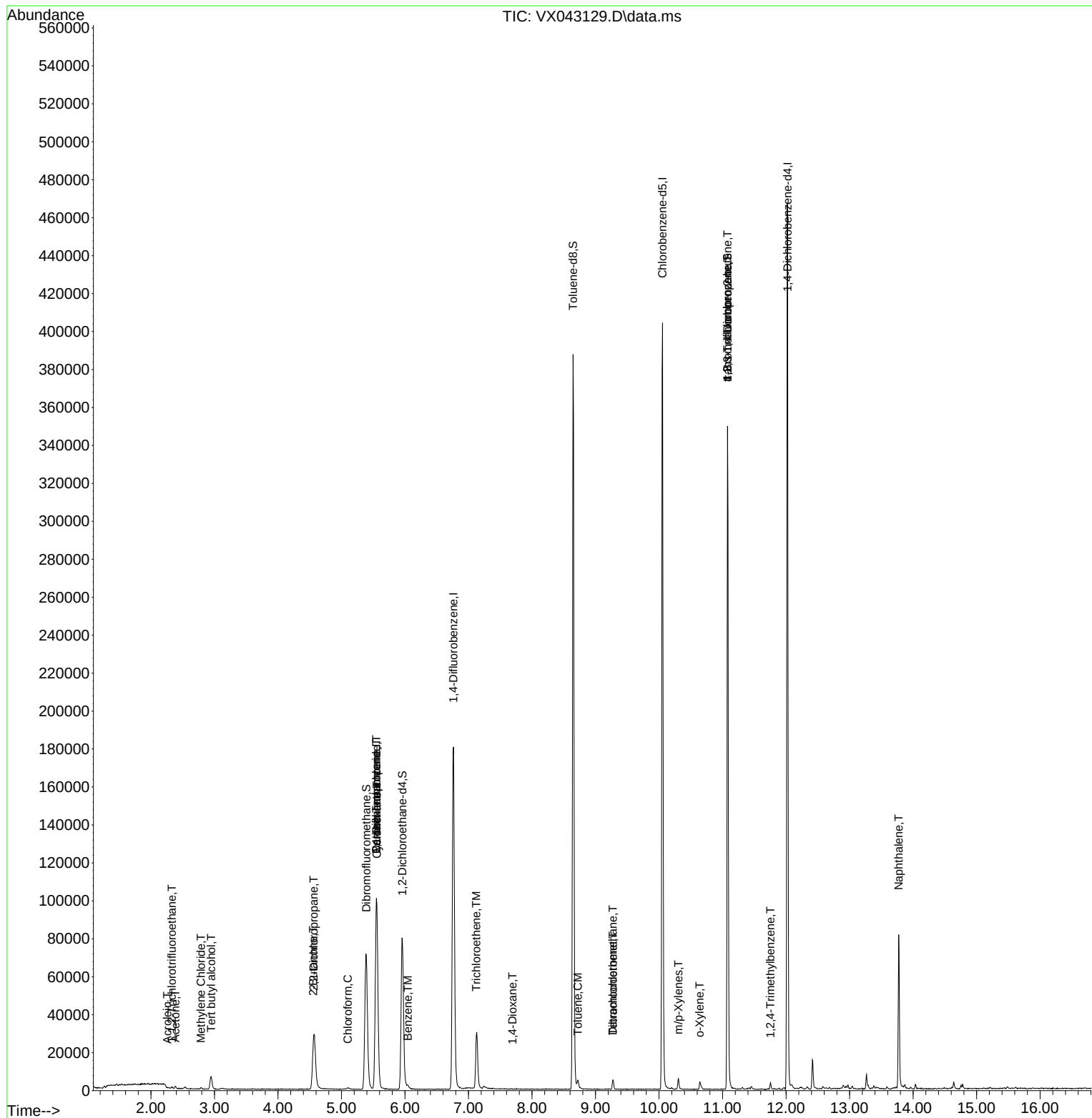
Internal Standards						
1) Pentafluorobenzene	5.550	168	92513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	182580	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81271	52.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.780%			
35) Dibromofluoromethane	5.391	113	62856	48.802	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.600%			
50) Toluene-d8	8.647	98	224968	51.628	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.260%			
62) 4-Bromofluorobenzene	11.079	95	95463	54.400	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.800%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	313	0.305	ug/l #	75
11) Tert butyl alcohol	2.946	59	3798	11.070	ug/l #	71
13) Acrolein	2.258	56	23	0.509	ug/l #	1
16) Acetone	2.386	43	1273	1.771	ug/l #	88
20) Methylene Chloride	2.788	84	325	0.284	ug/l #	82
25) 2-Butanone	4.556	43	2110	2.278	ug/l #	49
26) 2,2-Dichloropropane	4.562	77	2325	1.165	ug/l #	54
30) Chloroform	5.098	83	971	0.447	ug/l #	72
31) Cyclohexane	5.556	56	2275	1.505	ug/l #	42
36) 1,1-Dichloropropene	5.550	75	8266	5.223	ug/l #	49
38) Carbon Tetrachloride	5.550	117	10349	5.076	ug/l #	15
40) Benzene	6.043	78	1787	0.383	ug/l	96
44) Trichloroethene	7.123	130	11707	9.162	ug/l	87
49) 1,4-Dioxane	7.689	88	48	1.559	ug/l #	25
52) Toluene	8.720	92	1623	0.540	ug/l	98
60) Dibromochloromethane	9.275	129	969	0.599	ug/l #	11
64) Tetrachloroethene	9.275	164	930	0.717	ug/l #	80
68) m/p-Xylenes	10.305	106	1522	0.613	ug/l	92
69) o-Xylene	10.640	106	992	0.398	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	52864	25.880	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	52864	61.661	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.756	105	1724	0.291	ug/l	92
95) Naphthalene	13.774	128	52639	7.864	ug/l	99

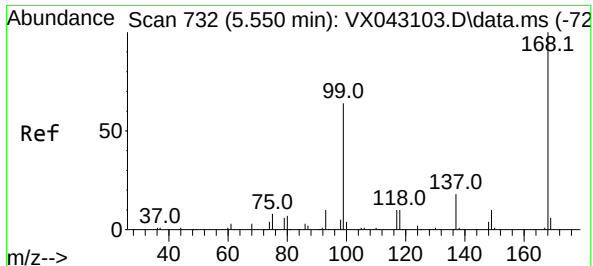
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
RE134D1-20240919

Quant Time: Sep 25 01:33:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 24 03:13:52 2024
Response via : Initial Calibration

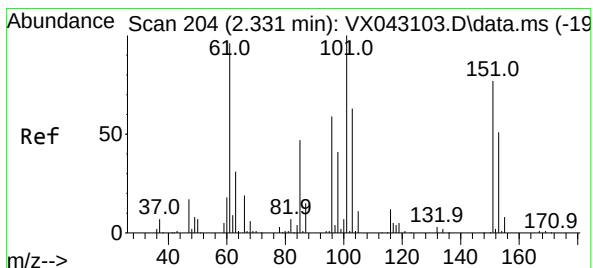
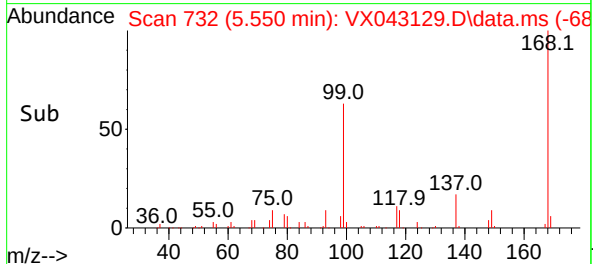
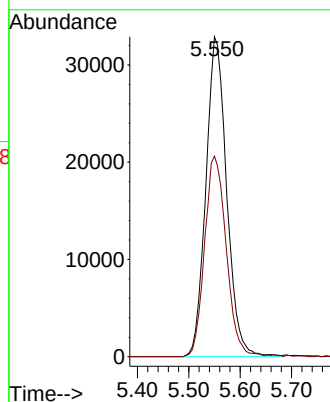
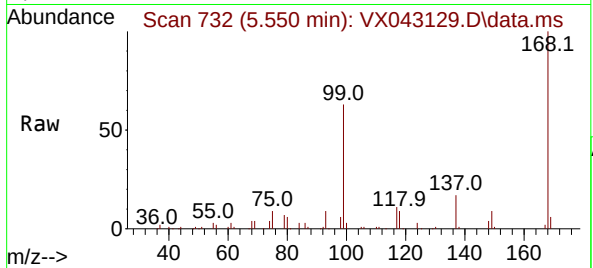




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

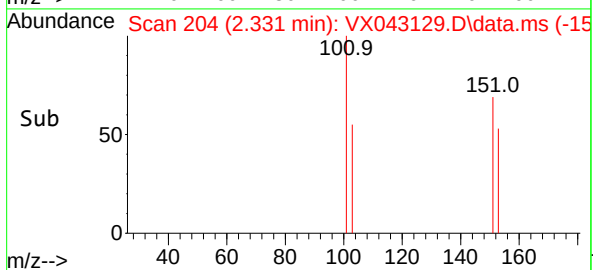
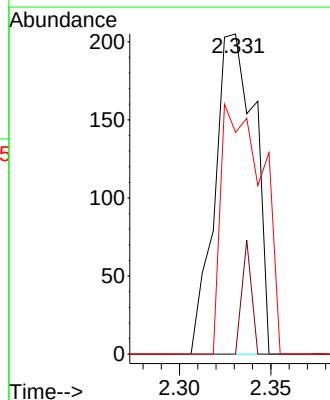
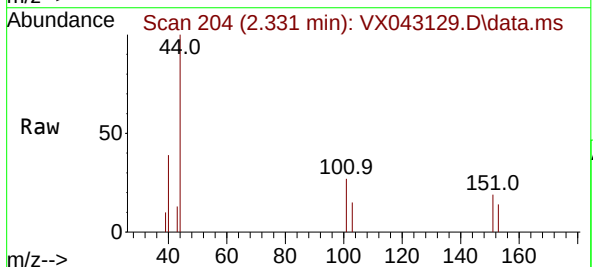
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

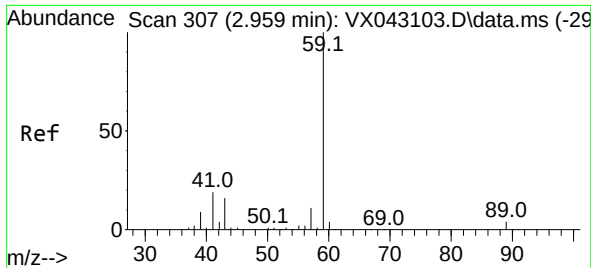
Tgt Ion:168 Resp: 92513
Ion Ratio Lower Upper
168 100
99 62.7 50.8 76.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.305 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion:101 Resp: 313
Ion Ratio Lower Upper
101 100
85 8.6 37.0 55.4#
151 80.5 60.2 90.4

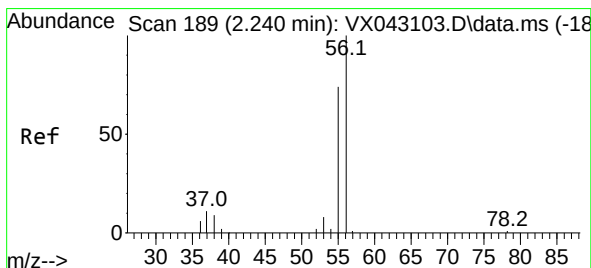
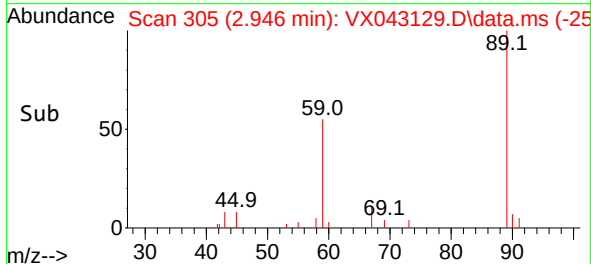
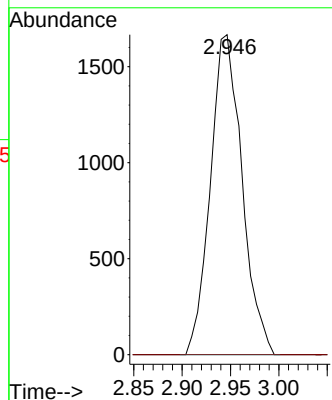
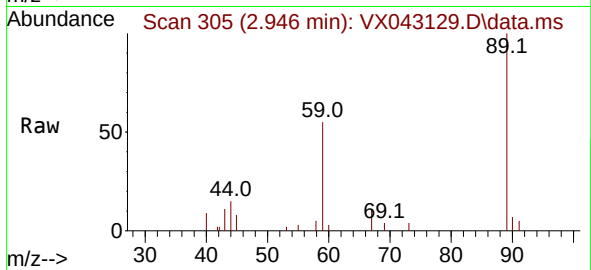




#11
Tert butyl alcohol
Concen: 11.070 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

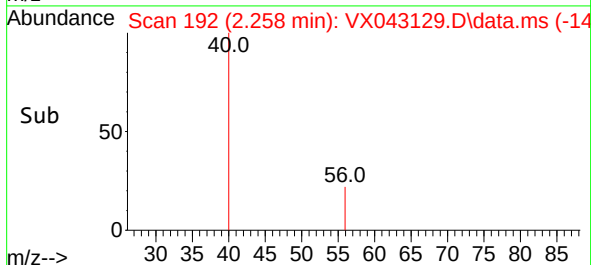
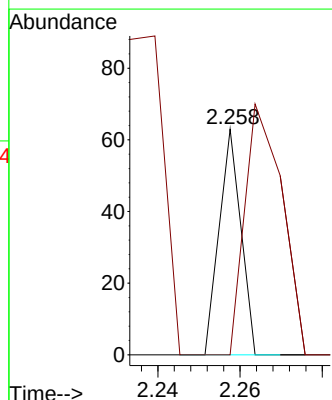
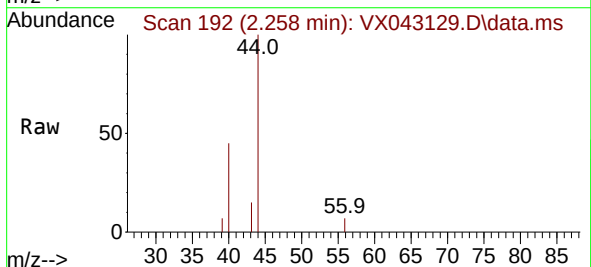
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

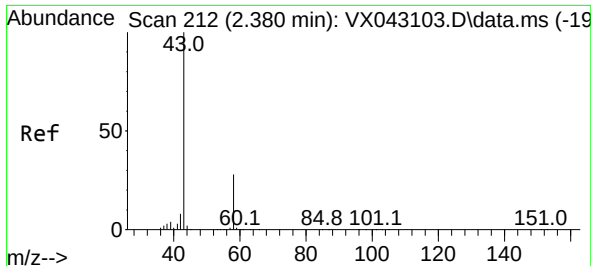
Tgt Ion: 59 Resp: 3798
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.509 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.018 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 191.3 55.8 83.6#

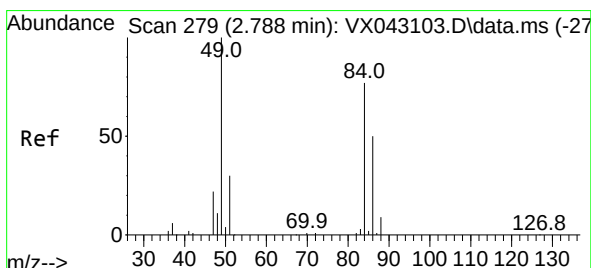
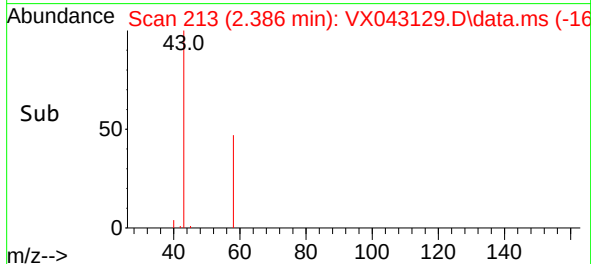
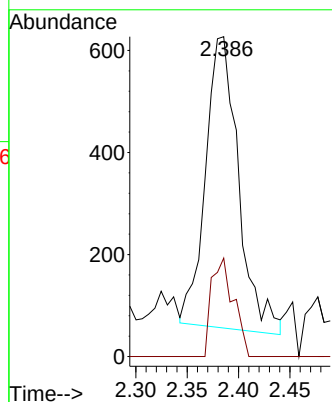
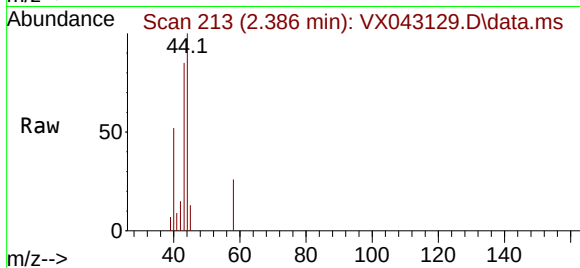




#16
Acetone
Concen: 1.771 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

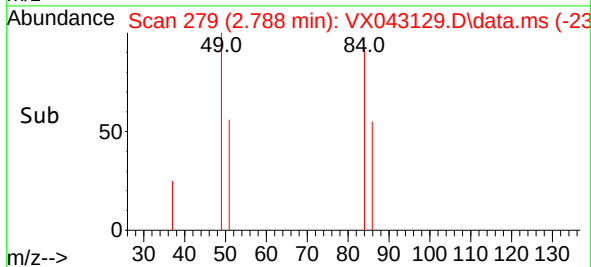
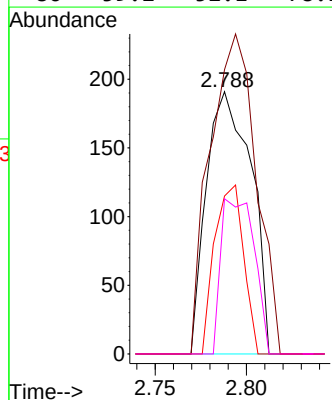
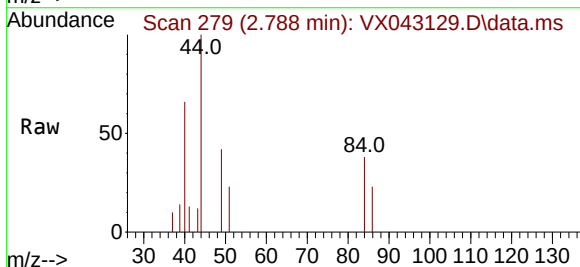
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

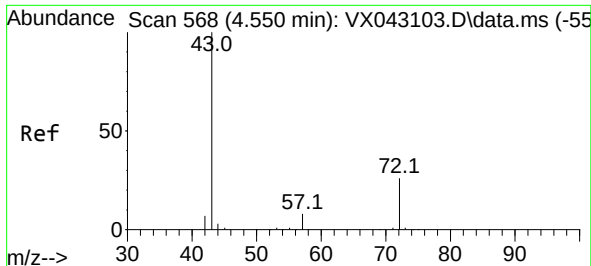
Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 34.8 22.6 34.0#



#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion: 84 Resp: 325
Ion Ratio Lower Upper
84 100
49 108.4 104.1 156.1
51 60.2 31.1 46.7#
86 59.2 52.1 78.1





#25

2-Butanone

Concen: 2.278 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX043129.D

Acq: 24 Sep 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

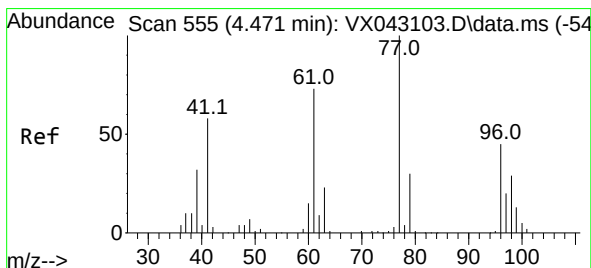
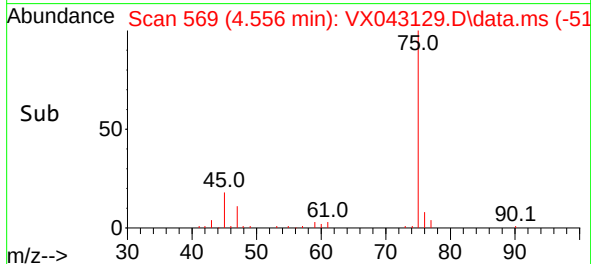
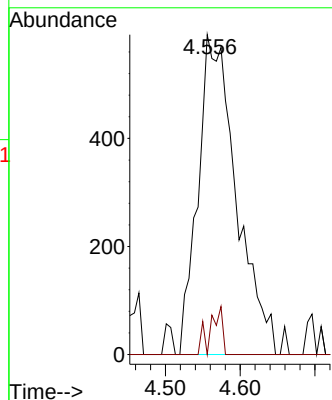
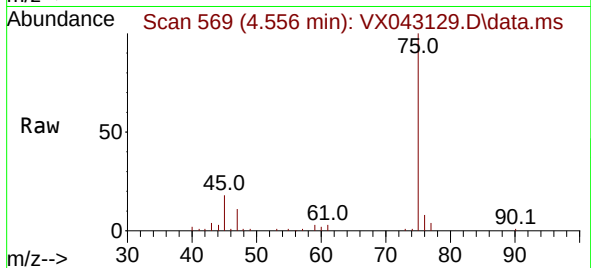
RE134D1-20240919

Tgt Ion: 43 Resp: 2110

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 1.165 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.091 min

Lab File: VX043129.D

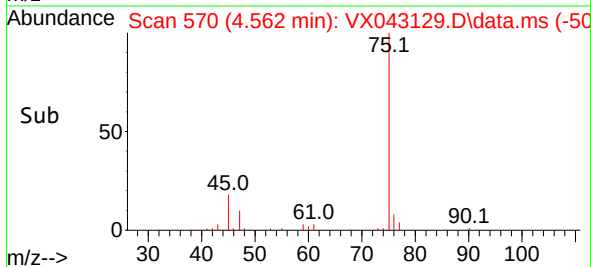
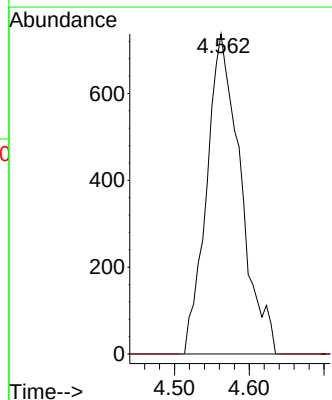
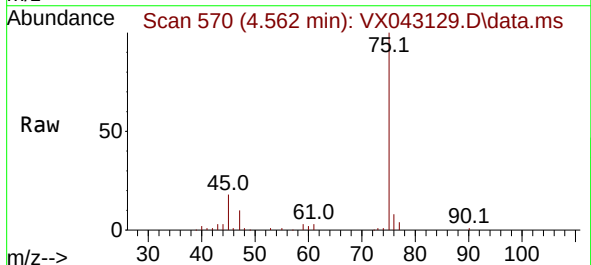
Acq: 24 Sep 2024 17:44

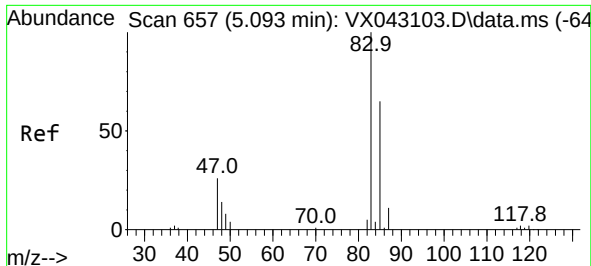
Tgt Ion: 77 Resp: 2325

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#

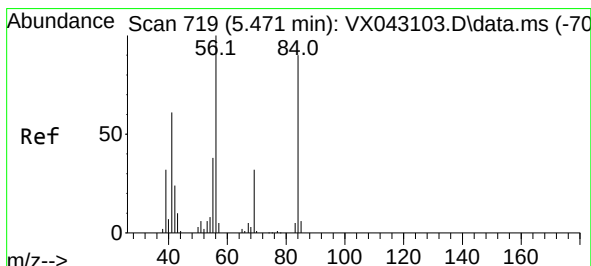
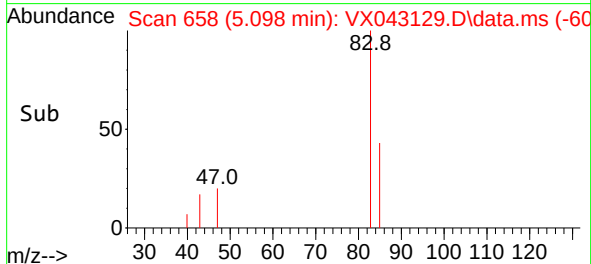
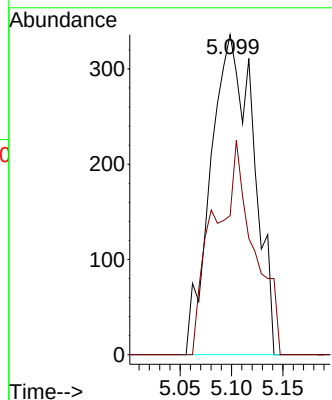
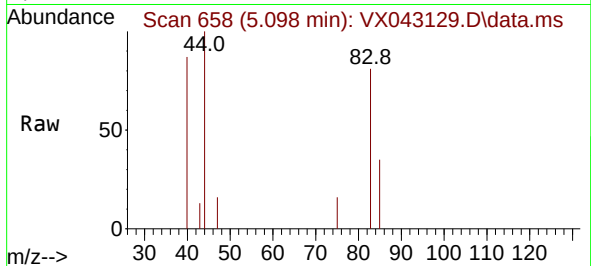




#30
Chloroform
Concen: 0.447 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

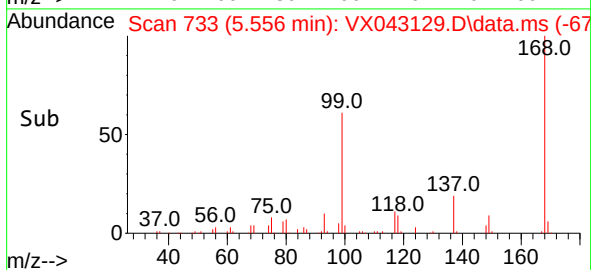
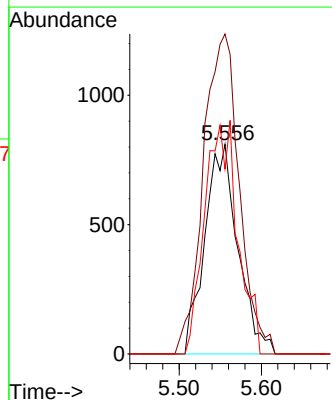
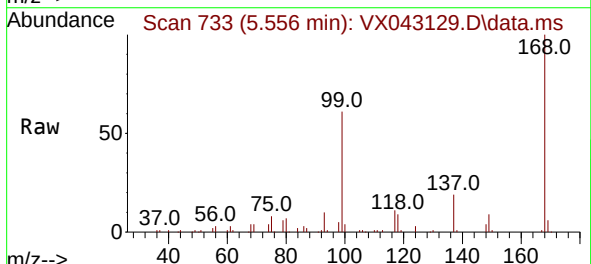
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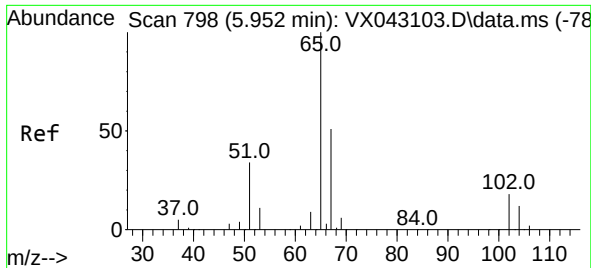
Tgt Ion: 83 Resp: 971
Ion Ratio Lower Upper
83 100
85 43.5 52.4 78.6#



#31
Cyclohexane
Concen: 1.505 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion: 56 Resp: 2275
Ion Ratio Lower Upper
56 100
69 152.7 25.8 38.6#
84 88.3 72.4 108.6





#33

1,2-Dichloroethane-d4

Concen: 52.887 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043129.D

Acq: 24 Sep 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

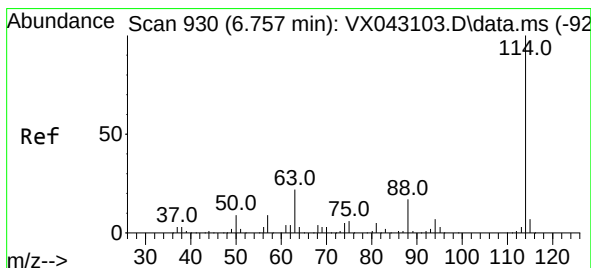
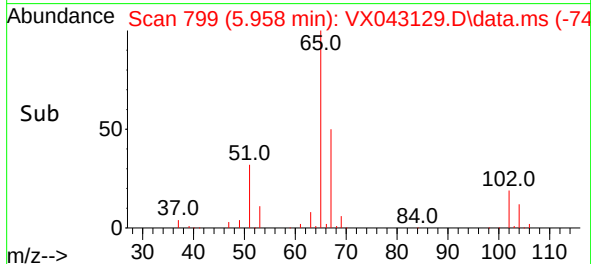
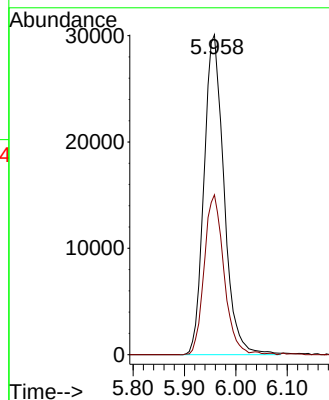
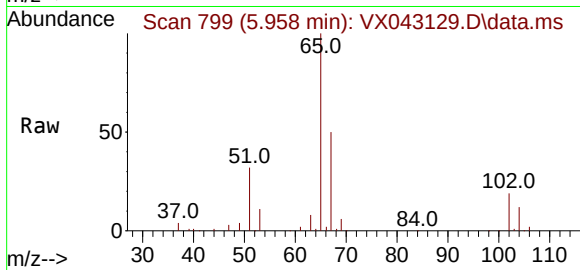
RE134D1-20240919

Tgt Ion: 65 Resp: 81271

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043129.D

Acq: 24 Sep 2024 17:44

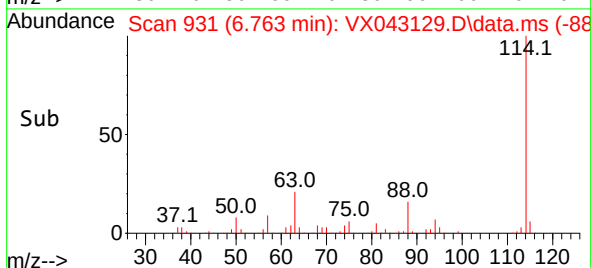
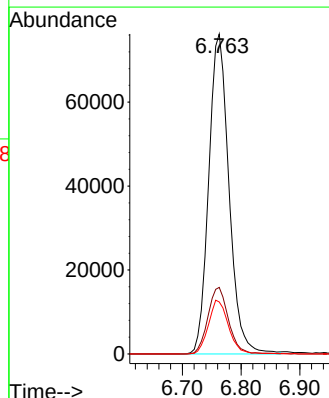
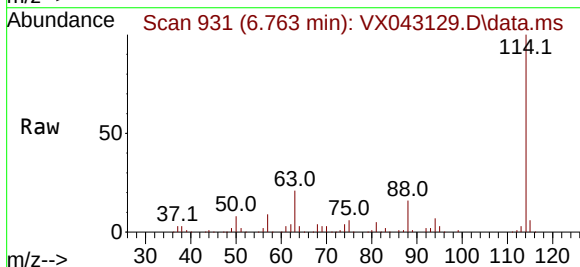
Tgt Ion: 114 Resp: 182580

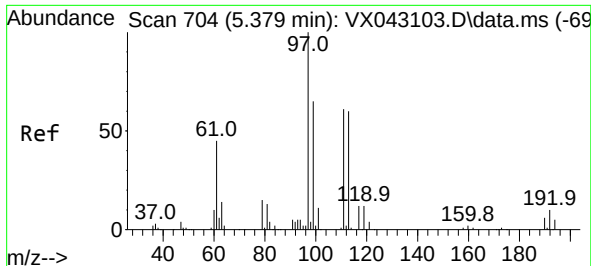
Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

88 16.3 0.0 33.4

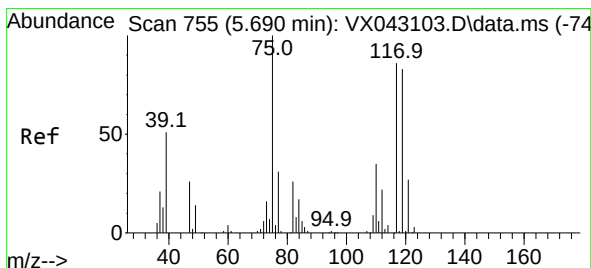
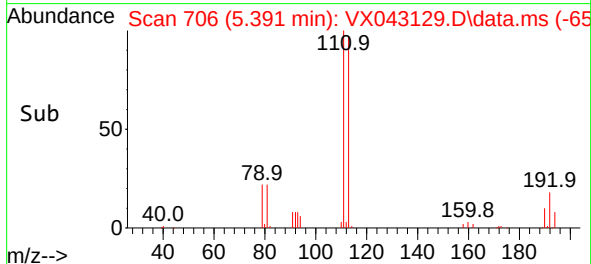
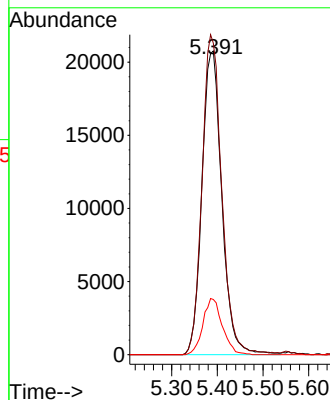
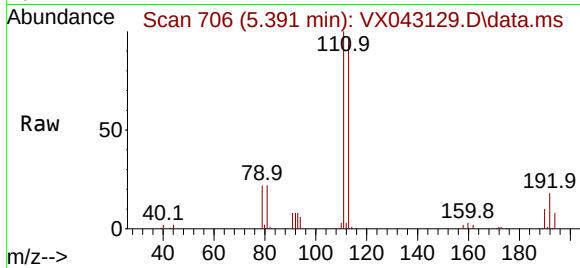




#35
Dibromofluoromethane
Concen: 48.802 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

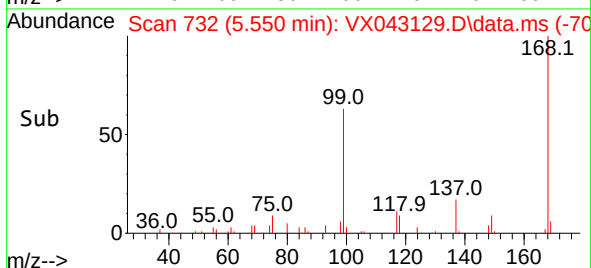
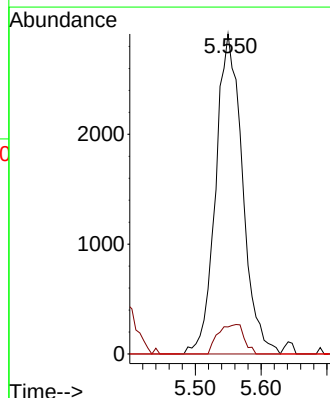
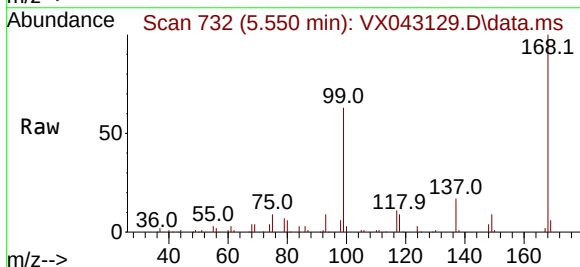
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

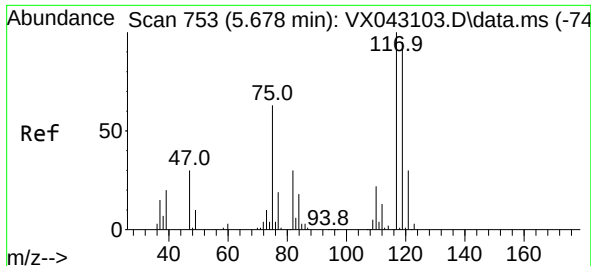
Tgt Ion:113 Resp: 62856
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 18.0 14.6 22.0



#36
1,1-Dichloropropene
Concen: 5.223 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

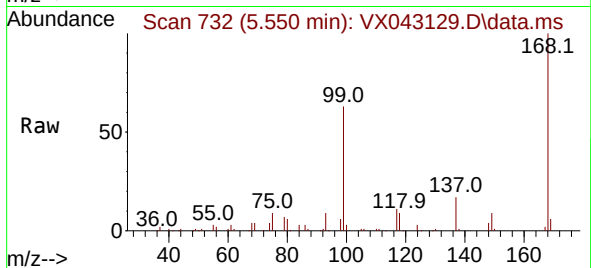
Tgt Ion: 75 Resp: 8266
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.4#
77 0.0 25.2 37.8#



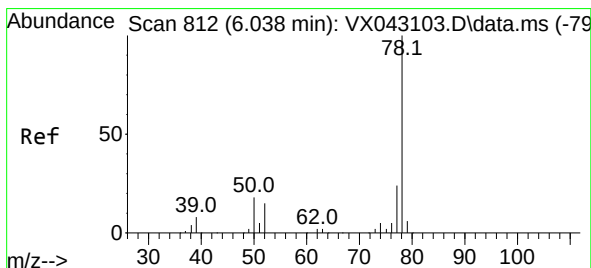
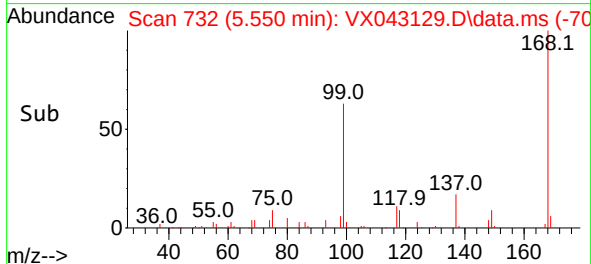
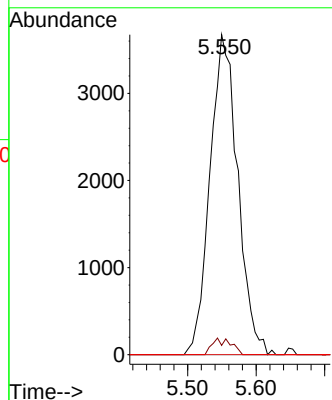


#38
Carbon Tetrachloride
Concen: 5.076 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

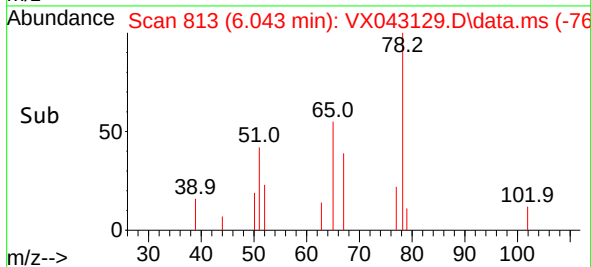
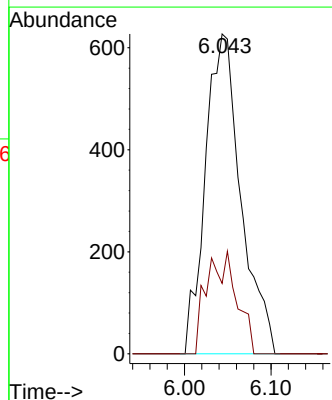
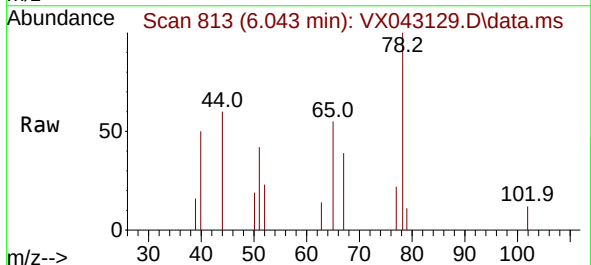


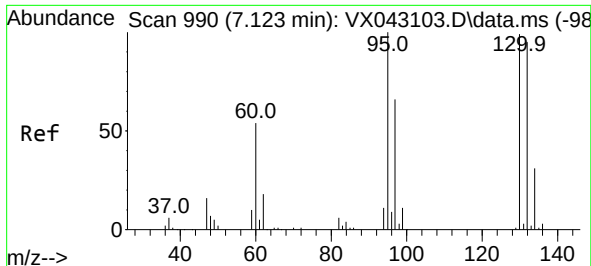
Tgt Ion:117 Resp: 10349
Ion Ratio Lower Upper
117 100
119 2.9 75.5 113.3#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.383 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion: 78 Resp: 1787
Ion Ratio Lower Upper
78 100
77 22.0 19.3 28.9

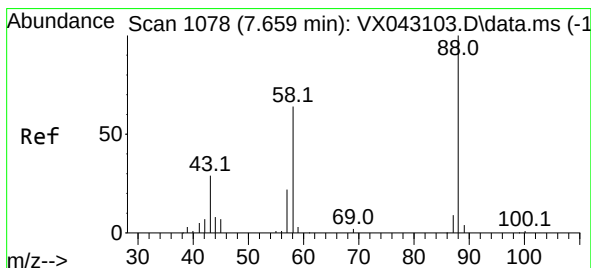
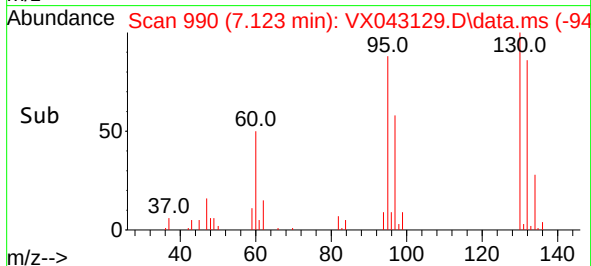
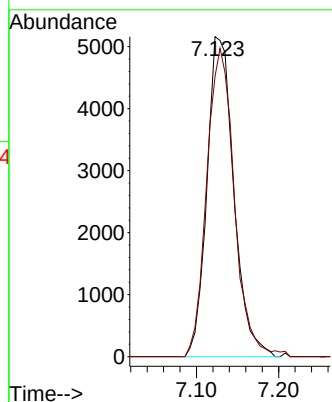
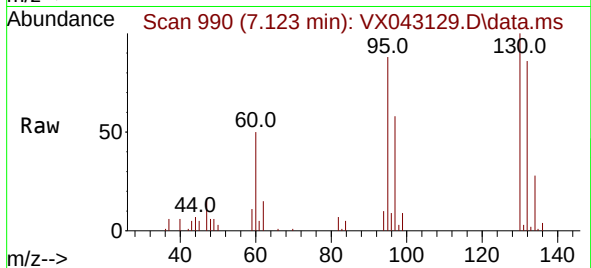




#44
Trichloroethene
Concen: 9.162 ug/l
RT: 7.123 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

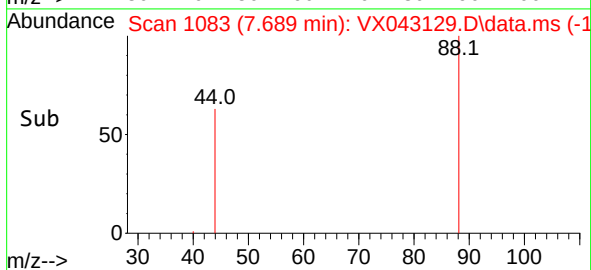
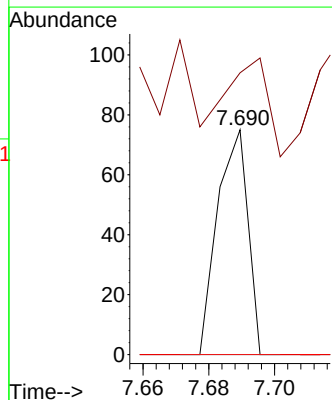
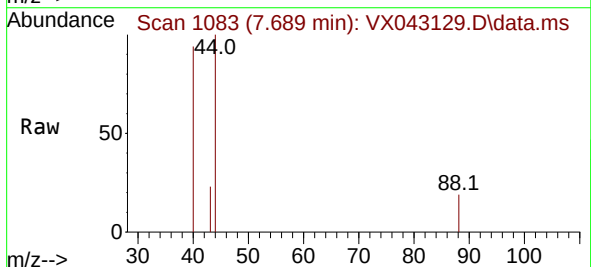
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

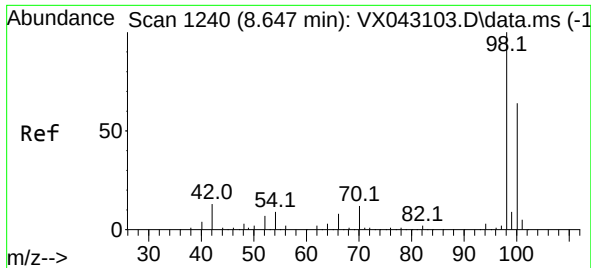
Tgt Ion:130 Resp: 11707
Ion Ratio Lower Upper
130 100
95 87.6 0.0 201.6



#49
1,4-Dioxane
Concen: 1.559 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 29.5 44.3#
58 0.0 52.5 78.7#

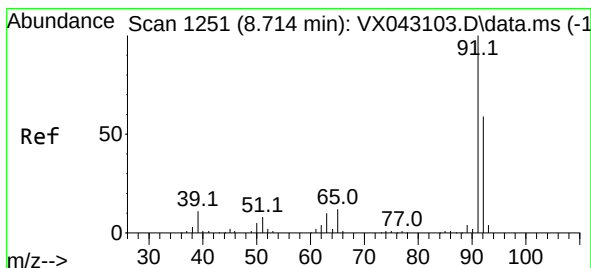
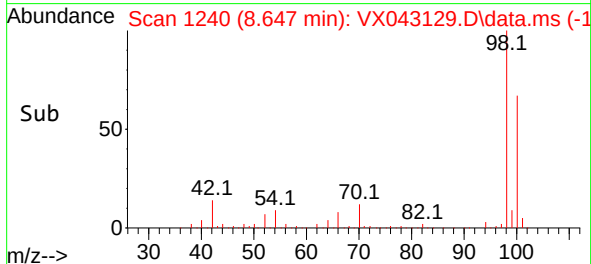
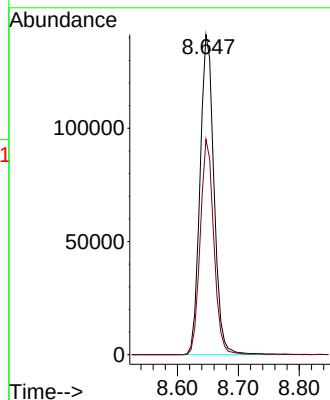
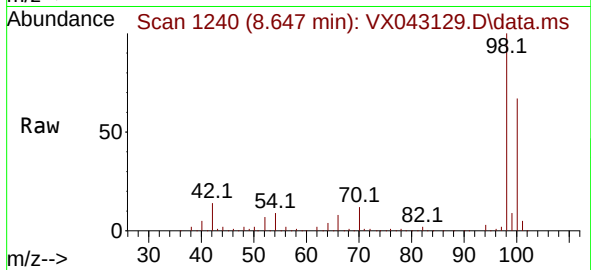




#50
Toluene-d8
Concen: 51.628 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

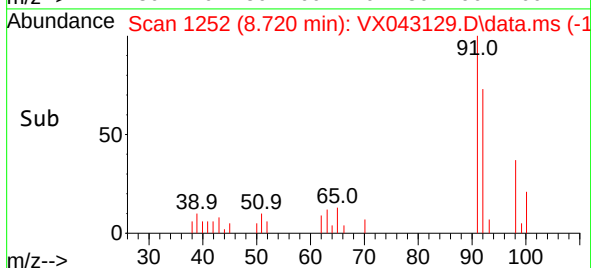
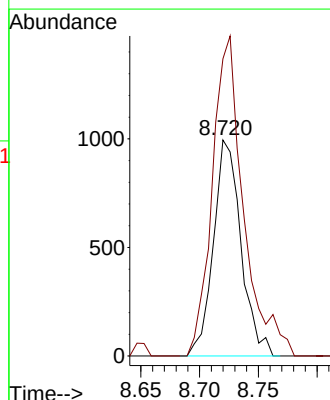
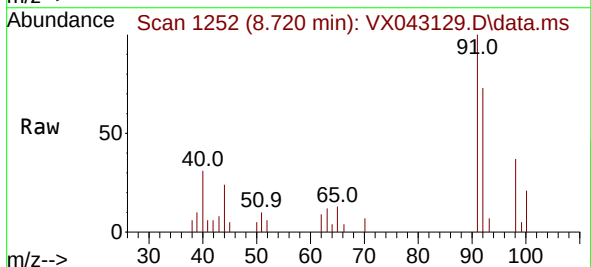
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

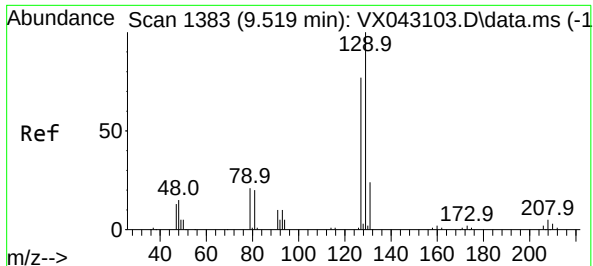
Tgt Ion: 98 Resp: 224968
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4



#52
Toluene
Concen: 0.540 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion: 92 Resp: 1623
Ion Ratio Lower Upper
92 100
91 167.8 135.9 203.9

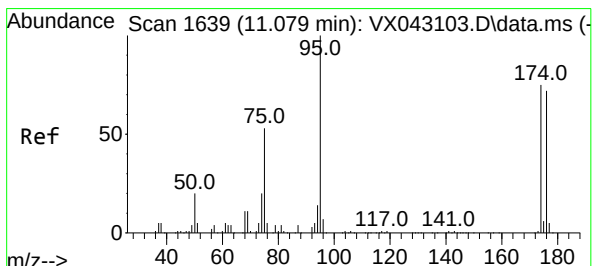
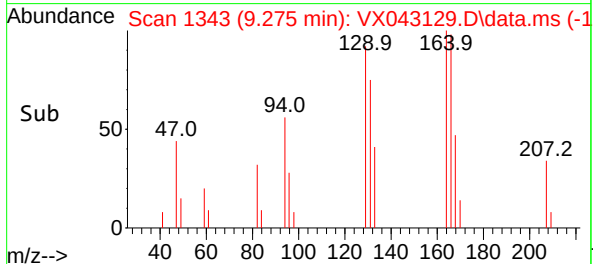
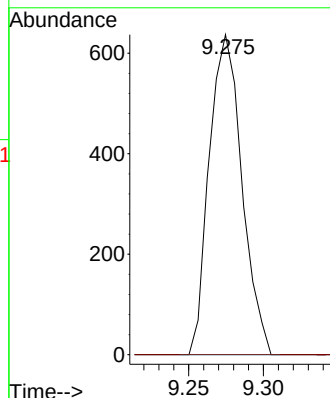
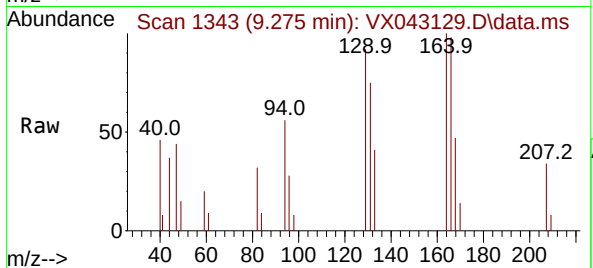




#60
Dibromochloromethane
Concen: 0.599 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

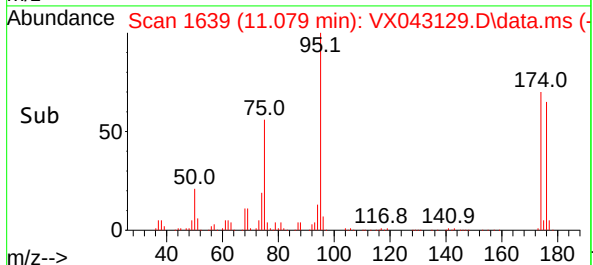
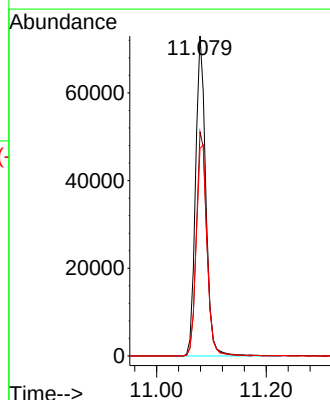
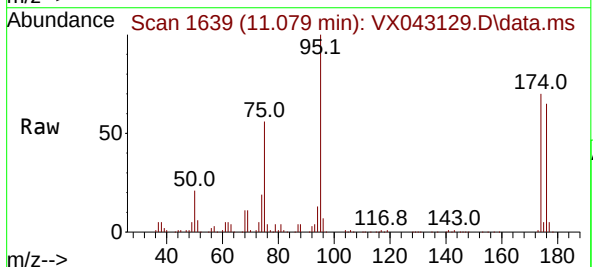
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

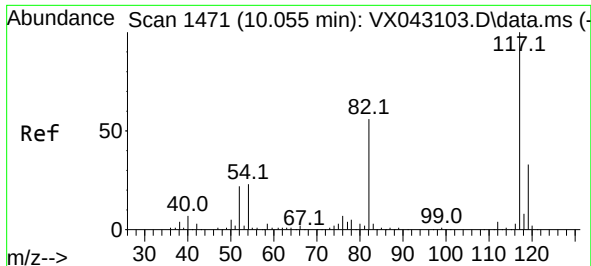
Tgt Ion:129 Resp: 969
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#



#62
4-Bromofluorobenzene
Concen: 54.400 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion: 95 Resp: 95463
Ion Ratio Lower Upper
95 100
174 71.2 0.0 146.0
176 70.0 0.0 142.6

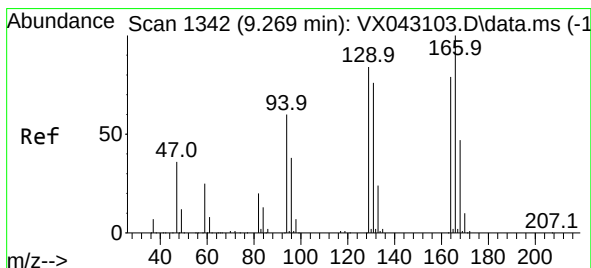
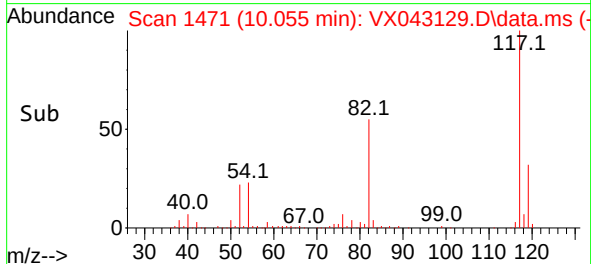
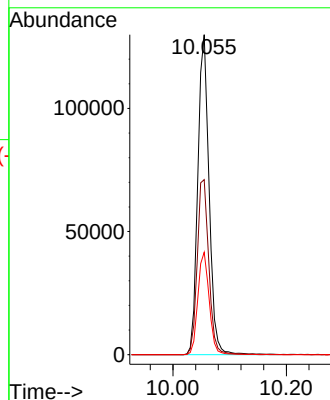
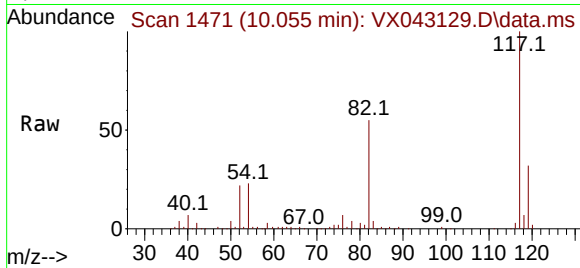




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

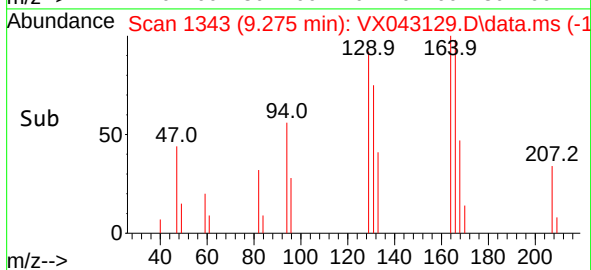
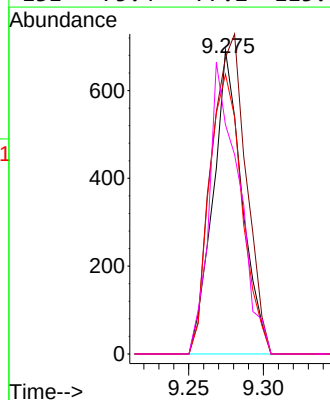
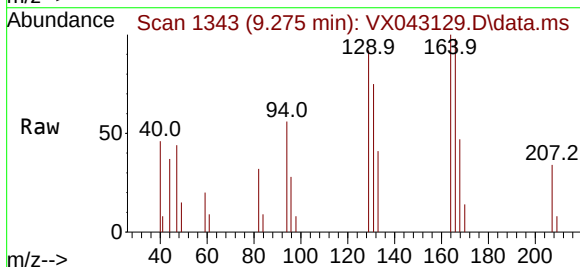
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

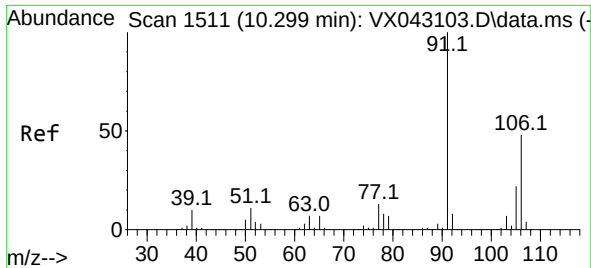
Tgt Ion:117 Resp: 178912
Ion Ratio Lower Upper
117 100
82 54.7 44.7 67.1
119 32.0 26.3 39.5



#64
Tetrachloroethene
Concen: 0.717 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion:164 Resp: 930
Ion Ratio Lower Upper
164 100
166 97.5 101.2 151.8#
129 92.1 84.7 127.1
131 75.4 77.2 115.8#

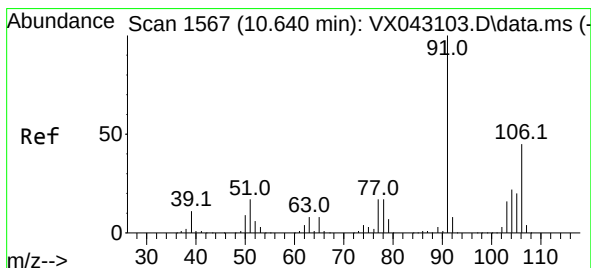
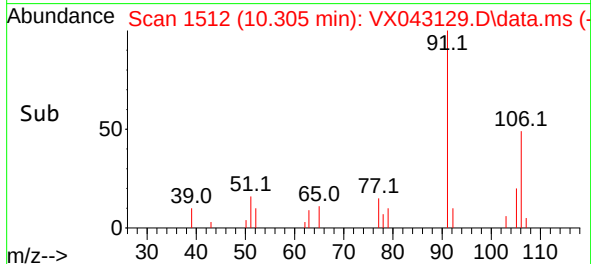
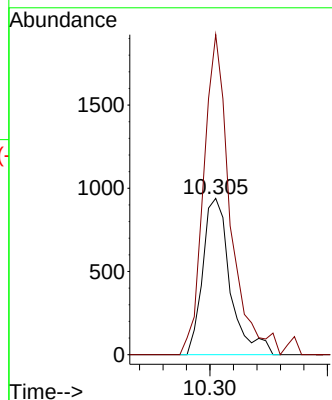
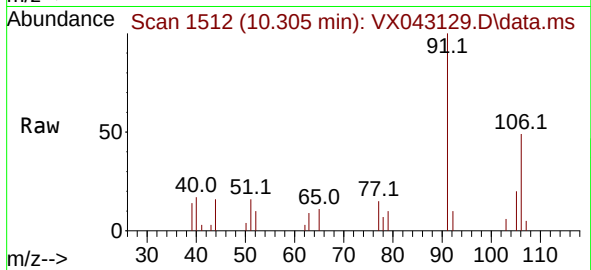




#68
m/p-Xylenes
Concen: 0.613 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

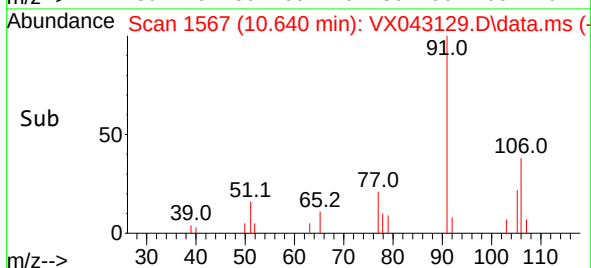
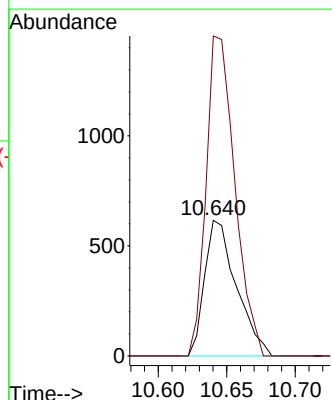
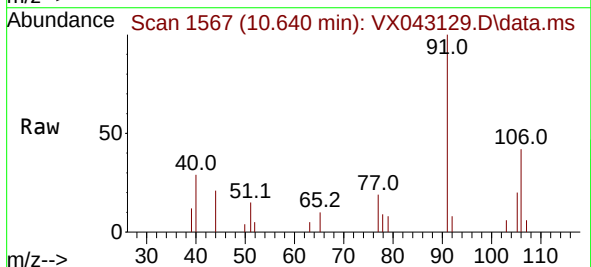
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

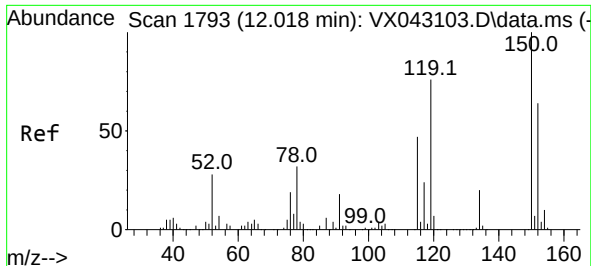
Tgt Ion:106 Resp: 1522
Ion Ratio Lower Upper
106 100
91 197.6 167.5 251.3



#69
o-Xylene
Concen: 0.398 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion:106 Resp: 992
Ion Ratio Lower Upper
106 100
91 213.8 112.5 337.4

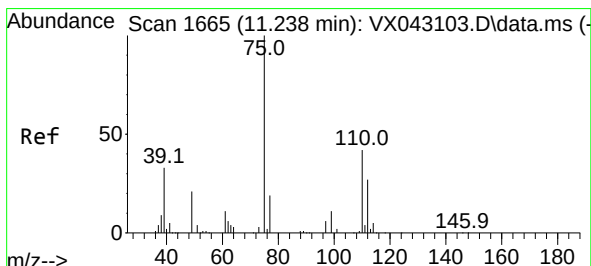
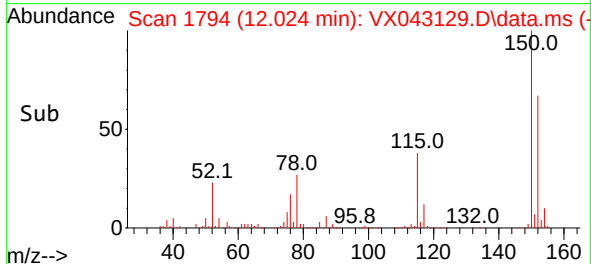
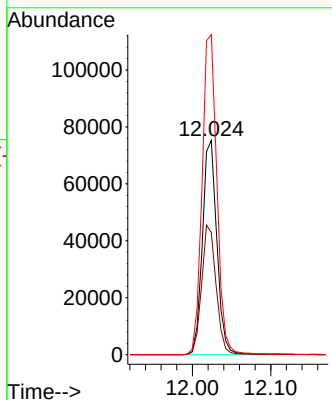
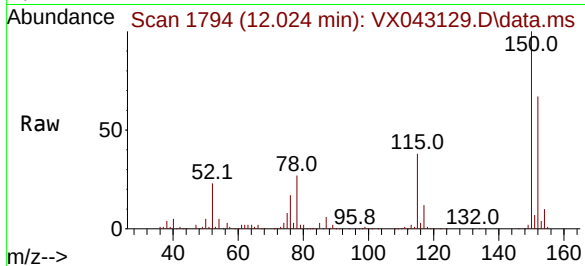




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

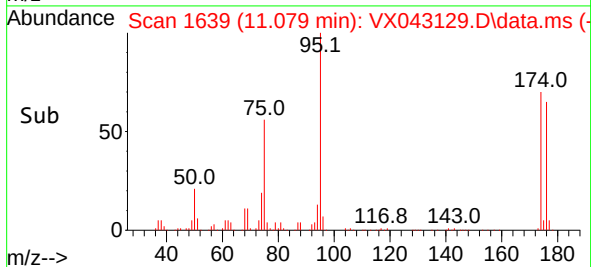
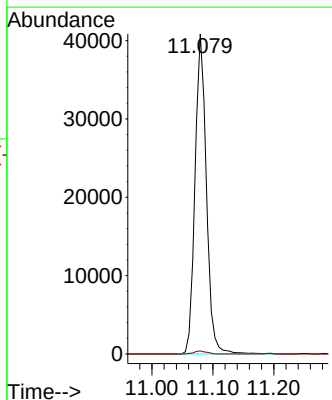
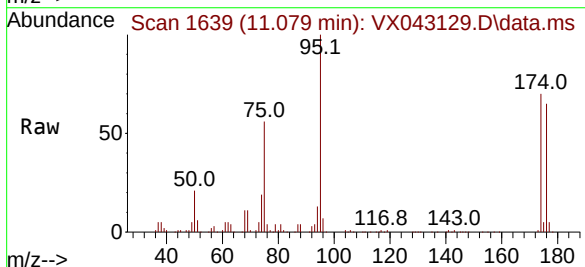
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

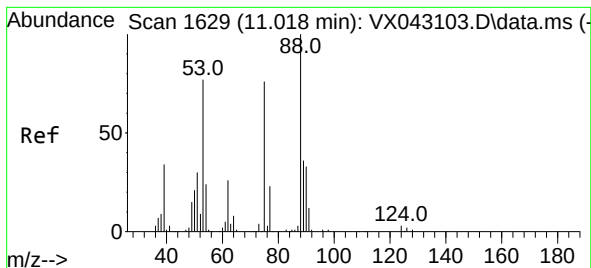
Tgt Ion:152 Resp: 96078
Ion Ratio Lower Upper
152 100
115 60.7 43.7 131.1
150 153.5 0.0 344.6



#76
1,2,3-Trichloropropane
Concen: 25.880 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Tgt Ion: 75 Resp: 52864
Ion Ratio Lower Upper
75 100
77 1.0 21.9 65.7#

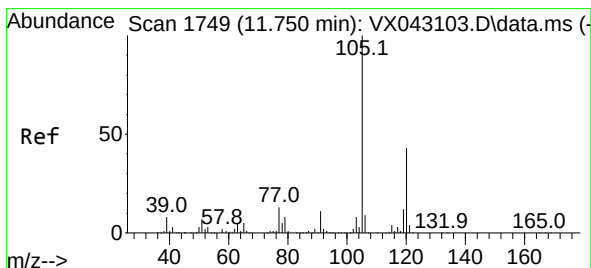
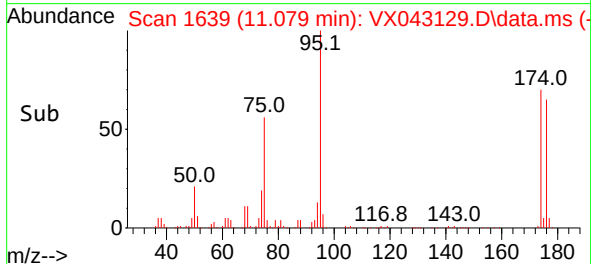
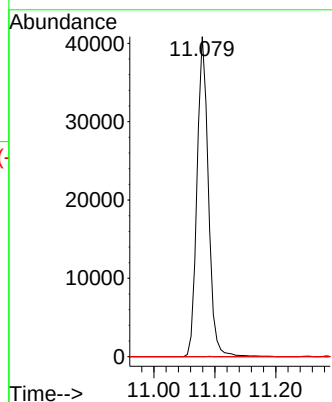
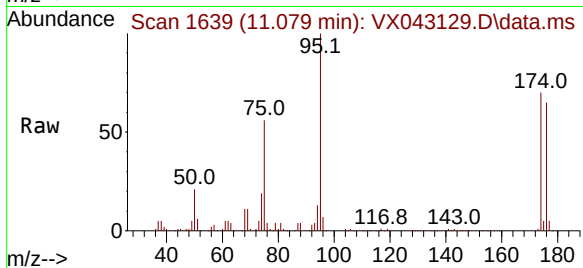




#81
trans-1,4-Dichloro-2-butene
Concen: 61.661 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

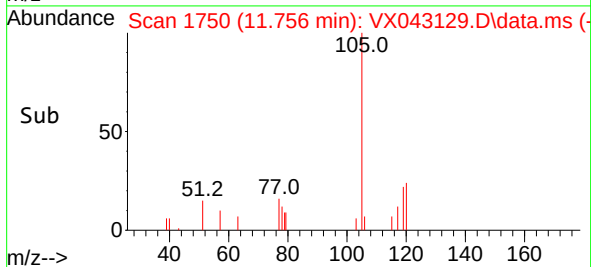
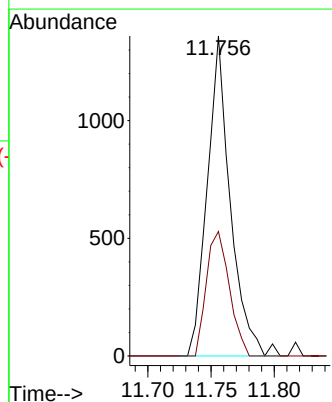
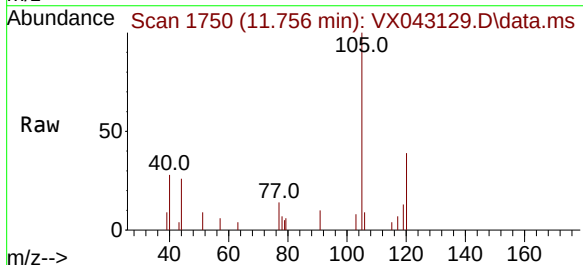
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919

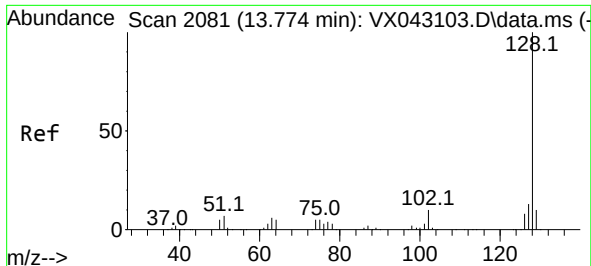
Tgt Ion: 75 Resp: 52864
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.291 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

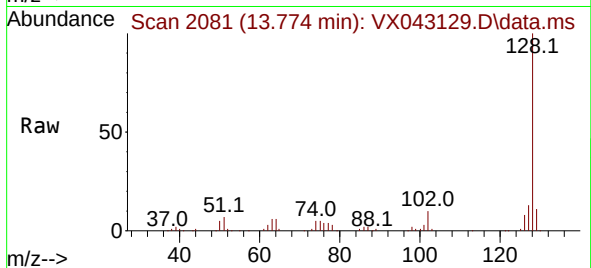
Tgt Ion: 105 Resp: 1724
Ion Ratio Lower Upper
105 100
120 38.7 21.8 65.4





#95
Naphthalene
Concen: 7.864 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043129.D
Acq: 24 Sep 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20240919



Tgt Ion:128 Resp: 52639
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.6 8.6 13.0

