

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043133.D
 Acq On : 24 Sep 2024 19:17
 Operator : JC/MD
 Sample : P4164-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D2-20240920

Quant Time: Sep 25 01:35:59 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)

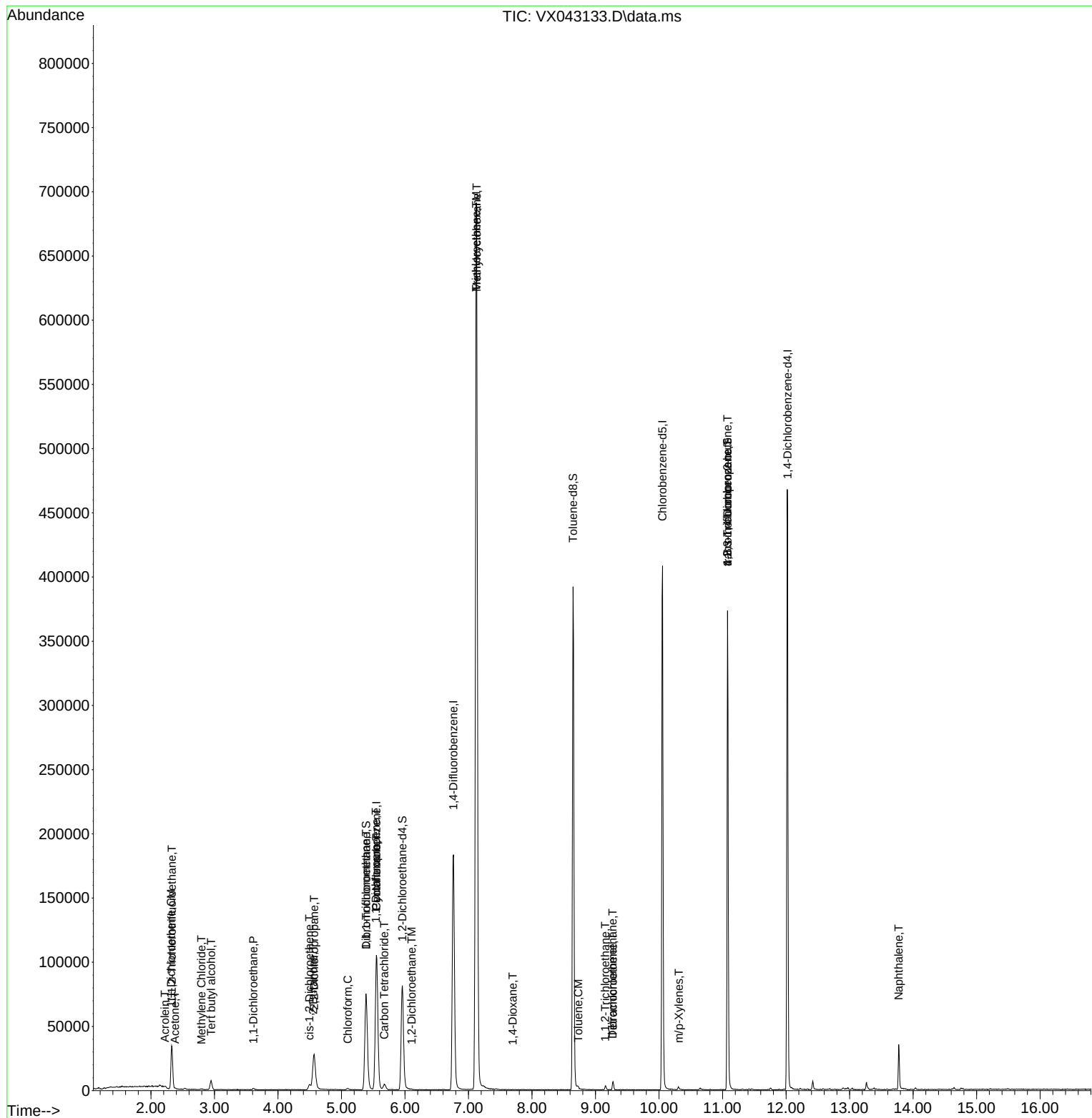
Internal Standards						
1) Pentafluorobenzene	5.550	168	94208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188326	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83530	53.379	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	5.385	113	64113	48.259	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.520%			
50) Toluene-d8	8.647	98	230144	51.204	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.079	95	96906	53.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.080%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	8046	7.708	ug/l	98
11) Tert butyl alcohol	2.946	59	3434	9.829	ug/l #	71
12) 1,1-Dichloroethene	2.319	96	5728	5.737	ug/l	98
13) Acrolein	2.221	56	60	1.303	ug/l #	1
16) Acetone	2.380	43	990	1.353	ug/l	96
20) Methylene Chloride	2.794	84	263	0.226	ug/l #	83
24) 1,1-Dichloroethane	3.611	63	1445	0.720	ug/l #	81
25) 2-Butanone	4.556	43	1937	2.053	ug/l #	49
26) 2,2-Dichloropropane	4.568	77	2175	1.071	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	2696	2.096	ug/l	93
30) Chloroform	5.099	83	1223	0.553	ug/l #	79
31) Cyclohexane	5.550	56	2294	1.491	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	695	0.332	ug/l #	46
36) 1,1-Dichloropropene	5.544	75	8216	5.033	ug/l #	48
38) Carbon Tetrachloride	5.672	117	3563	1.694	ug/l #	83
39) Methylcyclohexane	7.129	83	3248	1.585	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	456	0.223	ug/l	91
44) Trichloroethene	7.123	130	259341	196.774	ug/l	100
49) 1,4-Dioxane	7.696	88	90	2.834	ug/l #	25
52) Toluene	8.726	92	829	0.267	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	1047	0.820	ug/l	92
60) Dibromochloromethane	9.269	129	1161	0.696	ug/l #	11
64) Tetrachloroethene	9.275	164	1187	0.908	ug/l	89
68) m/p-Xylenes	10.311	106	674	0.269	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	52569	26.189	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	52569	62.397	ug/l #	7
95) Naphthalene	13.774	128	23149	3.519	ug/l	100

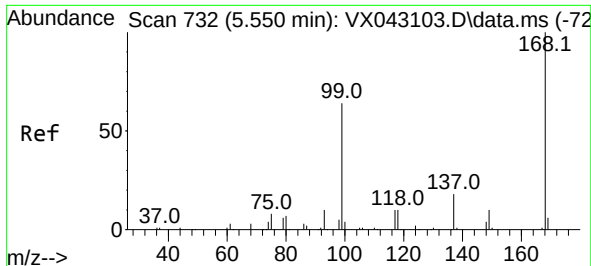
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
Data File : VX043133.D
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ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

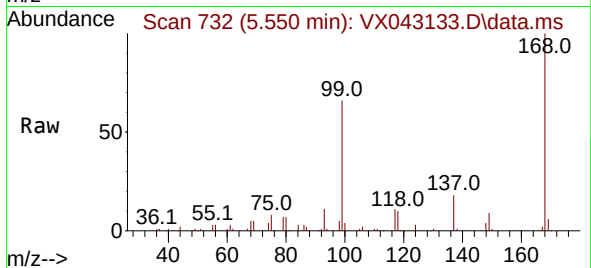
Quant Time: Sep 25 01:35:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
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QLast Update : Tue Sep 24 03:13:52 2024
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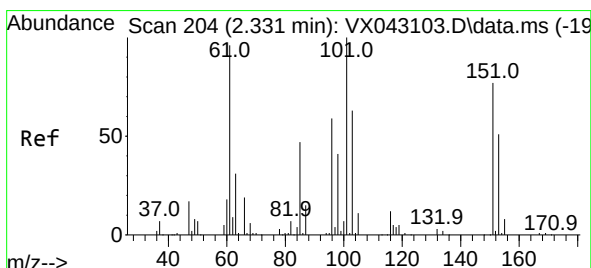
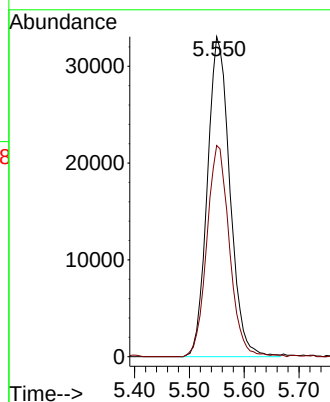
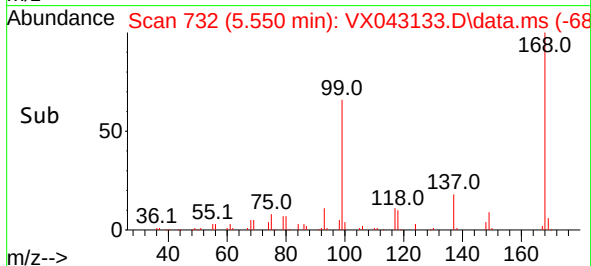


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

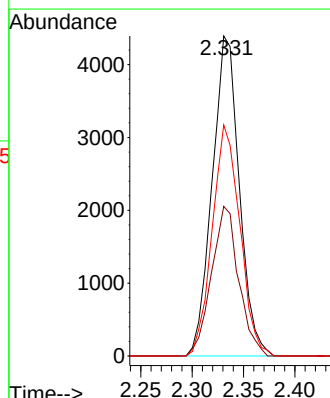
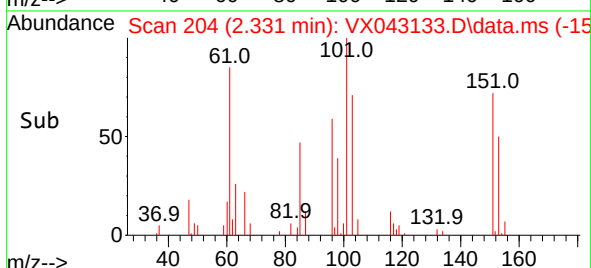
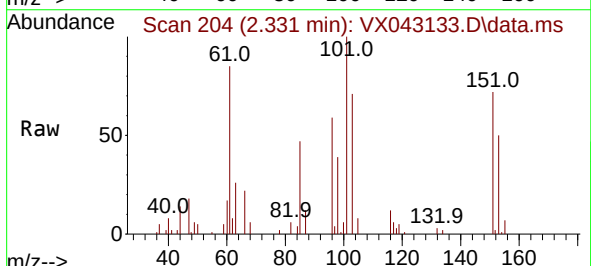


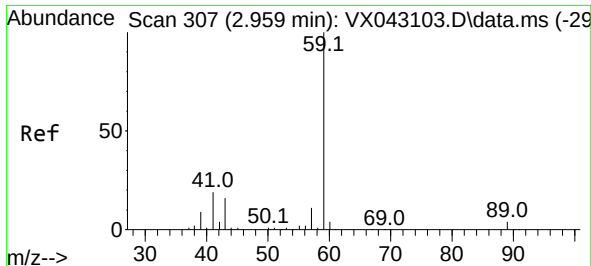
Tgt Ion:168 Resp: 94208
Ion Ratio Lower Upper
168 100
99 66.0 50.8 76.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.708 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Tgt Ion:101 Resp: 8046
Ion Ratio Lower Upper
101 100
85 47.0 37.0 55.4
151 73.7 60.2 90.4

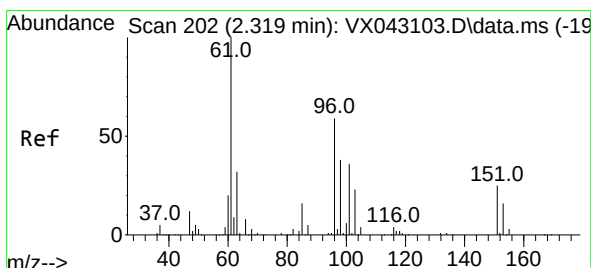
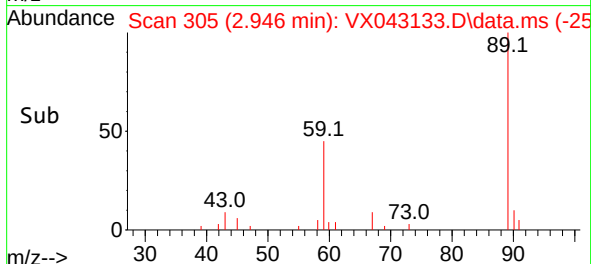
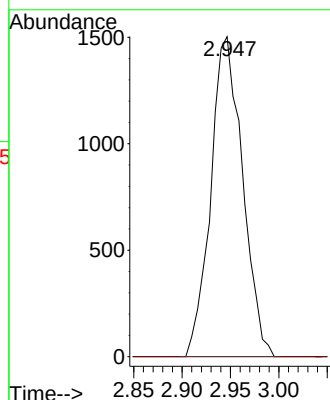
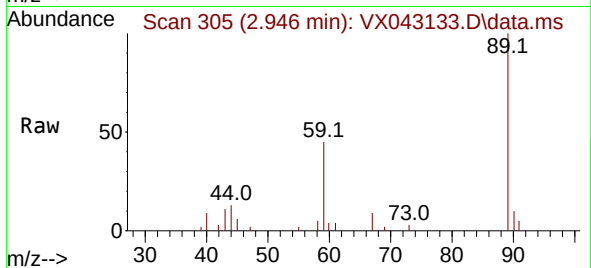




#11
Tert butyl alcohol
Concen: 9.829 ug/l
RT: 2.946 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

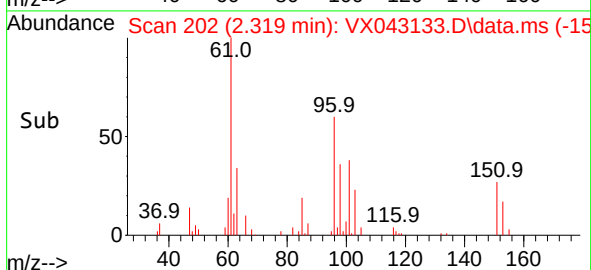
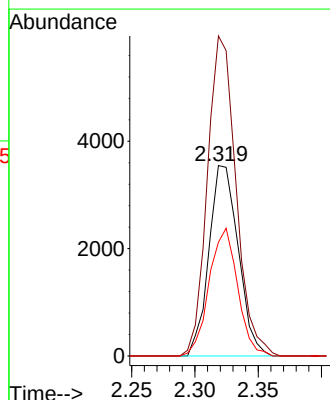
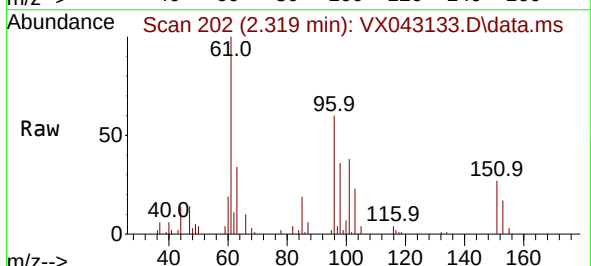
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

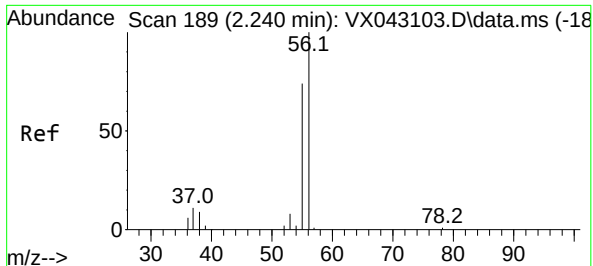
Tgt Ion: 59 Resp: 3434
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 5.737 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Tgt Ion: 96 Resp: 5728
Ion Ratio Lower Upper
96 100
61 168.0 134.7 202.1
98 59.7 51.6 77.4

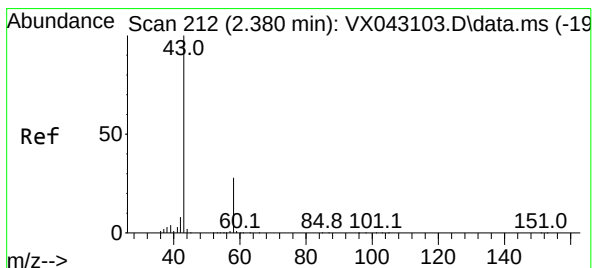
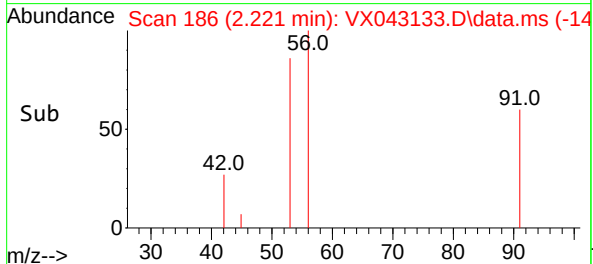
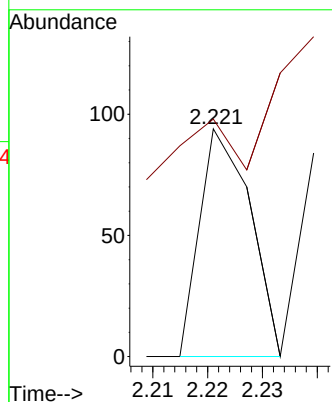
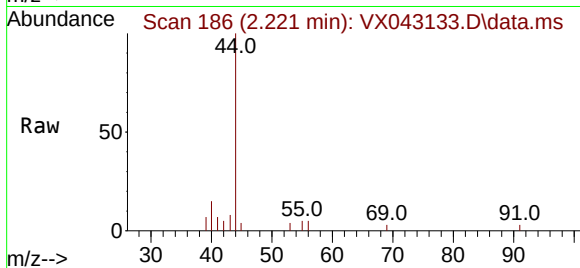




#13
Acrolein
Concen: 1.303 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

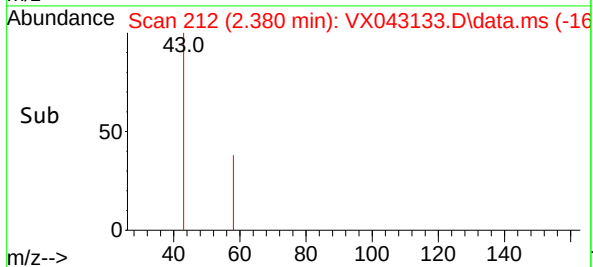
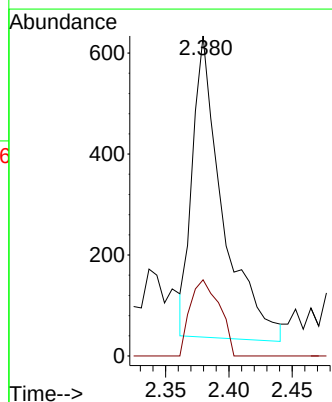
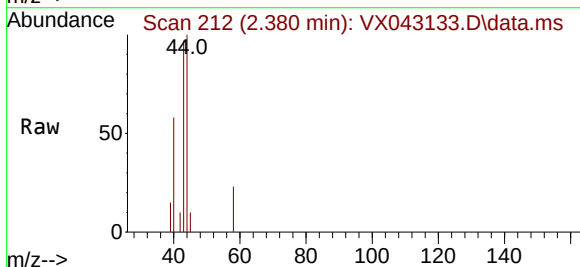
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

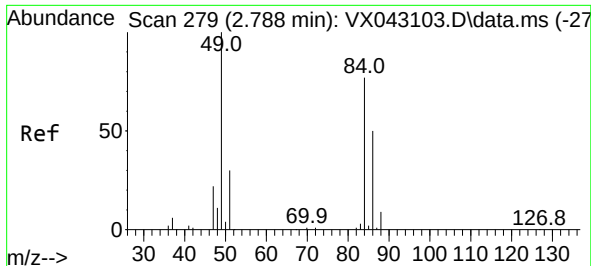
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 240.0 55.8 83.6#



#16
Acetone
Concen: 1.353 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
58 26.4 22.6 34.0

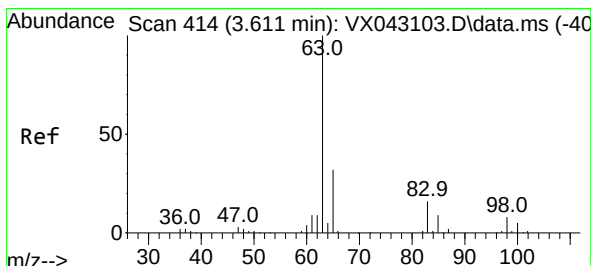
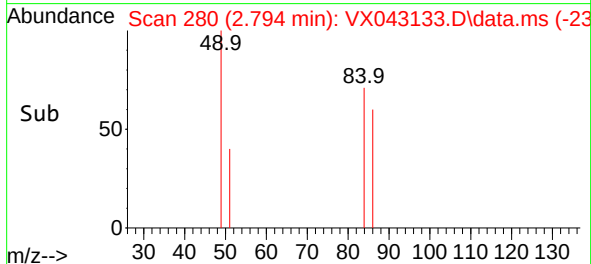
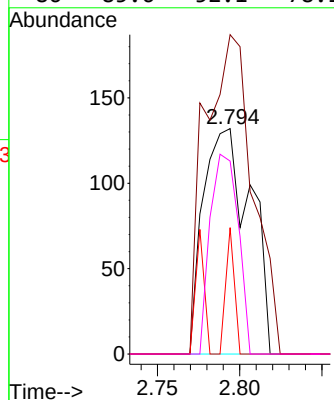
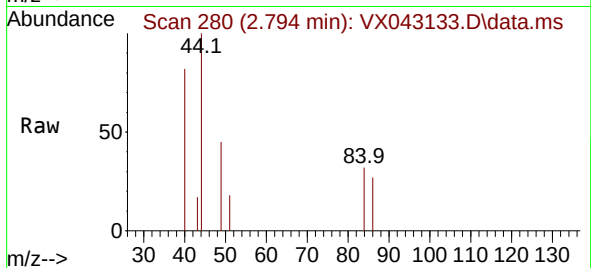




#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

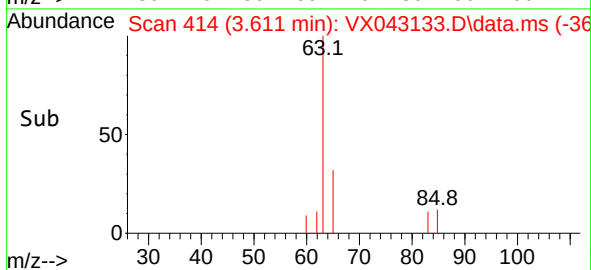
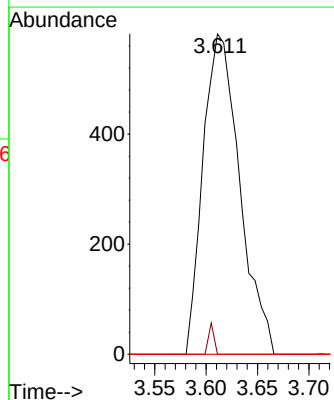
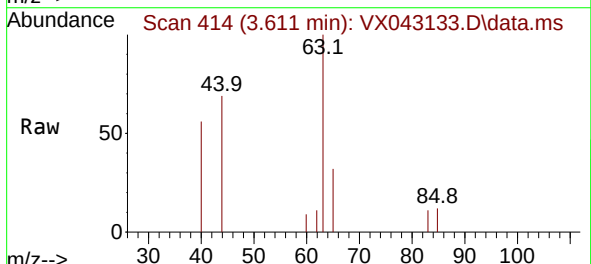
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

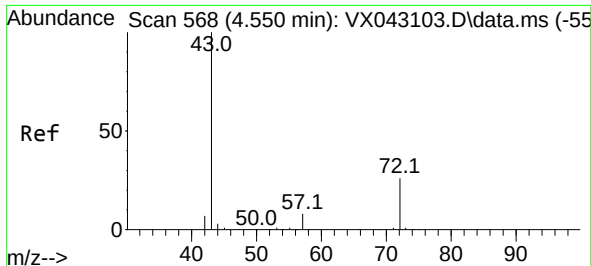
Tgt Ion:	84	Resp:	263
Ion	Ratio	Lower	Upper
84	100		
49	141.7	104.1	156.1
51	56.1	31.1	46.7#
86	85.6	52.1	78.1#



#24
1,1-Dichloroethane
Concen: 0.720 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Tgt Ion:	63	Resp:	1445
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.5#
100	0.0	2.5	7.6#





#25

2-Butanone

Concen: 2.053 ug/l

RT: 4.556 min Scan# 50

Delta R.T. 0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

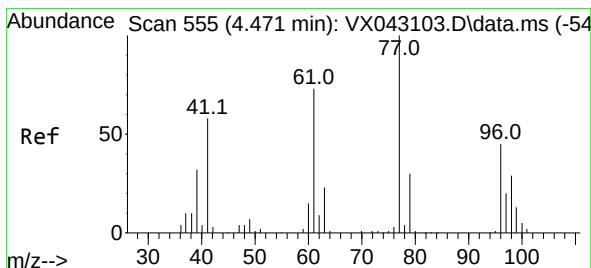
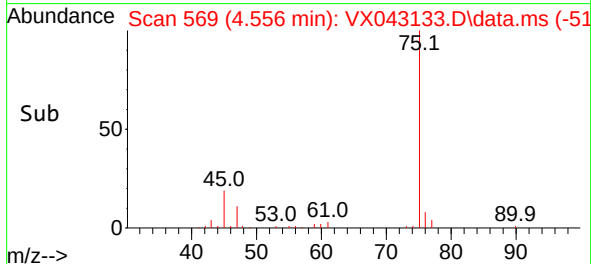
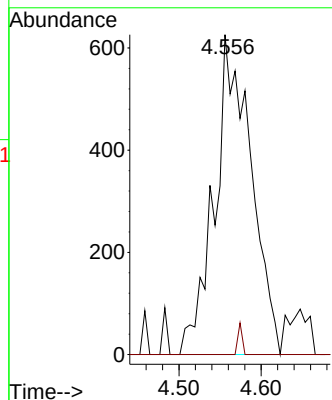
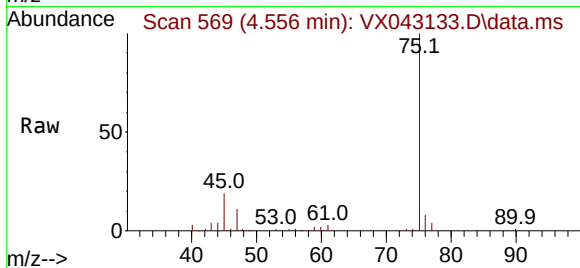
RE139D2-20240920

Tgt Ion: 43 Resp: 1937

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 1.071 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.097 min

Lab File: VX043133.D

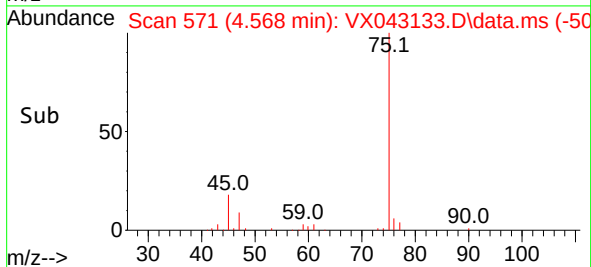
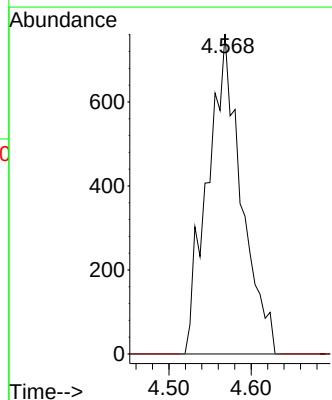
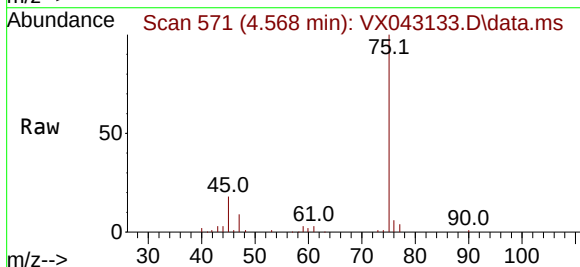
Acq: 24 Sep 2024 19:17

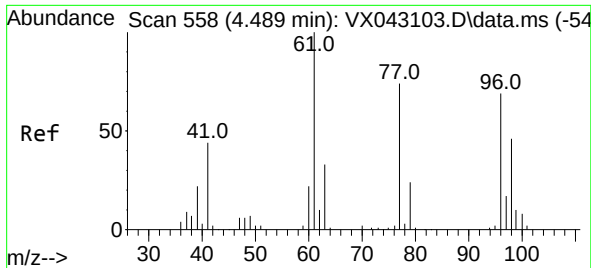
Tgt Ion: 77 Resp: 2175

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 2.096 ug/l

RT: 4.495 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

RE139D2-20240920

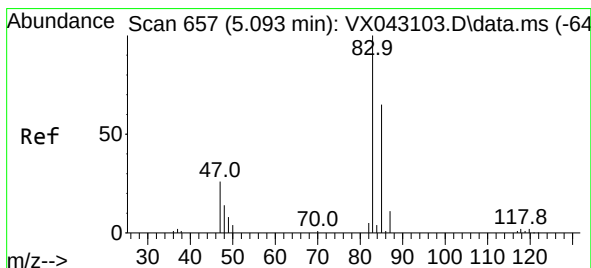
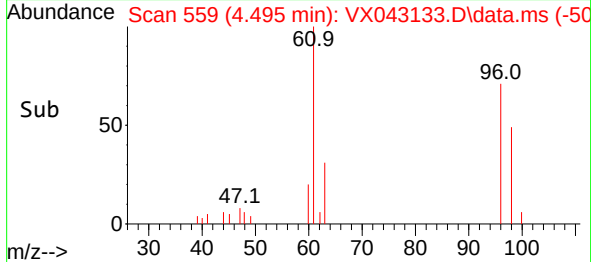
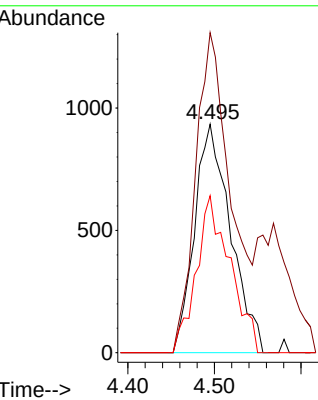
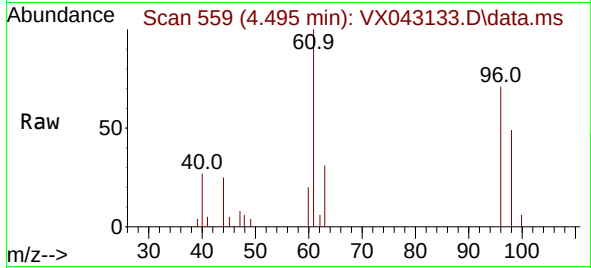
Tgt Ion: 96 Resp: 2696

Ion Ratio Lower Upper

96 100

61 136.7 0.0 297.8

98 64.2 0.0 131.2



#30

Chloroform

Concen: 0.553 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX043133.D

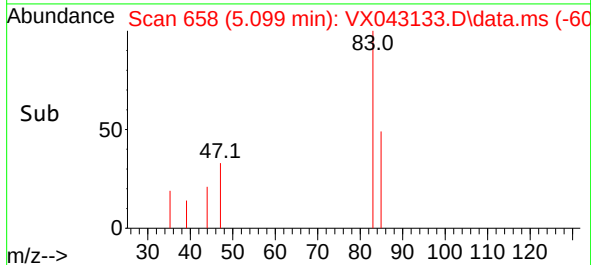
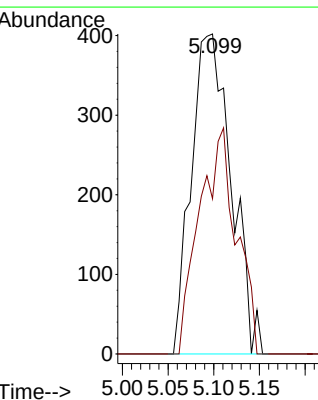
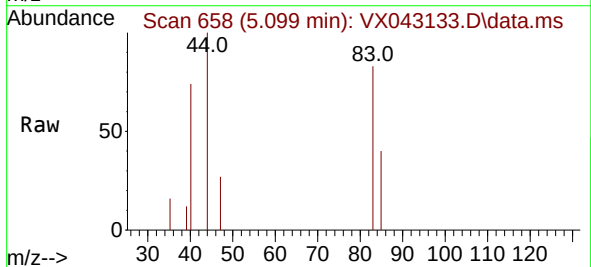
Acq: 24 Sep 2024 19:17

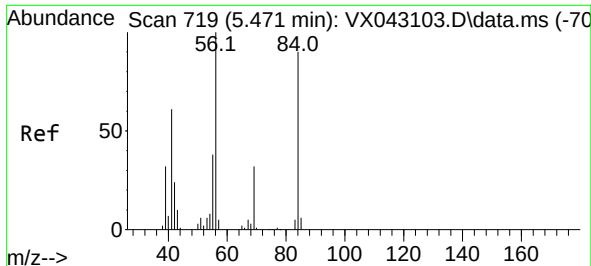
Tgt Ion: 83 Resp: 1223

Ion Ratio Lower Upper

83 100

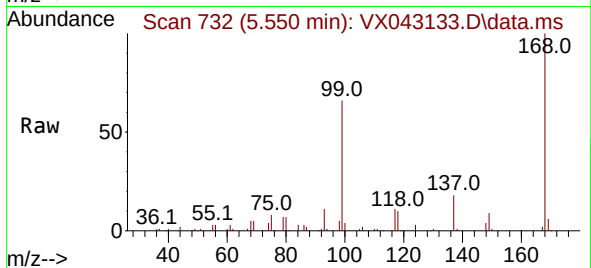
85 48.5 52.4 78.6#



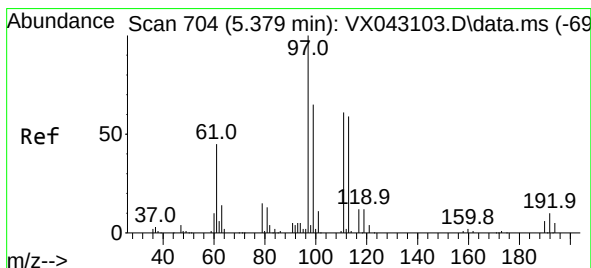
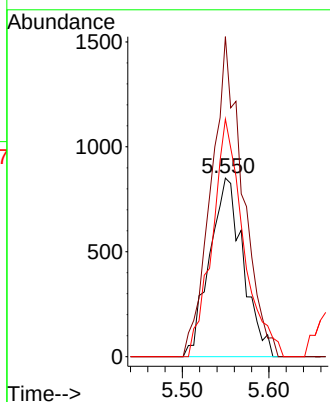
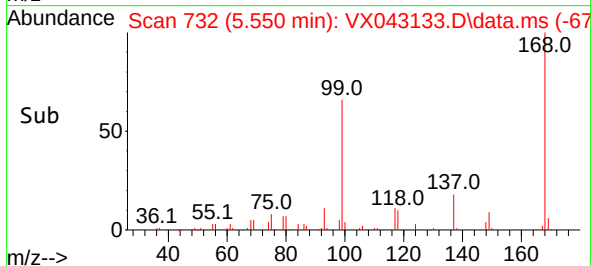


#31
Cyclohexane
Concen: 1.491 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

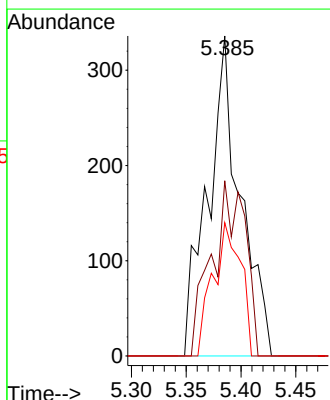
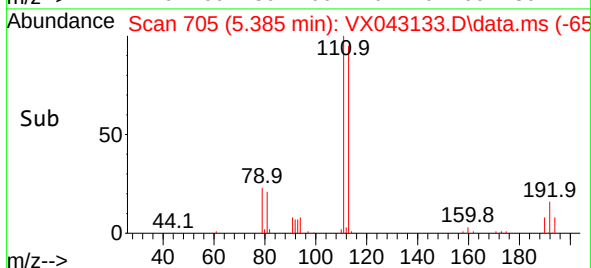
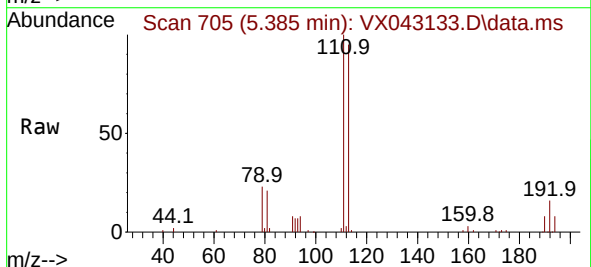


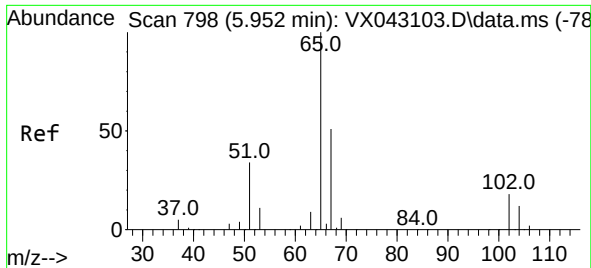
Tgt Ion: 56 Resp: 2294
Ion Ratio Lower Upper
56 100
69 179.2 25.8 38.6#
84 133.0 72.4 108.6#



#32
1,1,1-Trichloroethane
Concen: 0.332 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Tgt Ion: 97 Resp: 695
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 35.4 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 53.379 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

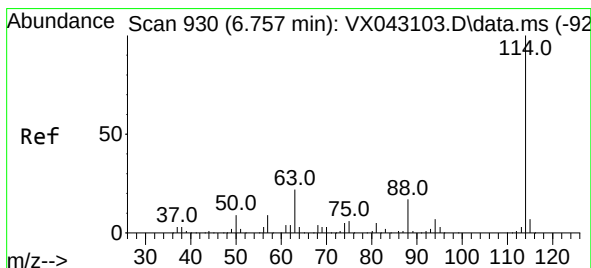
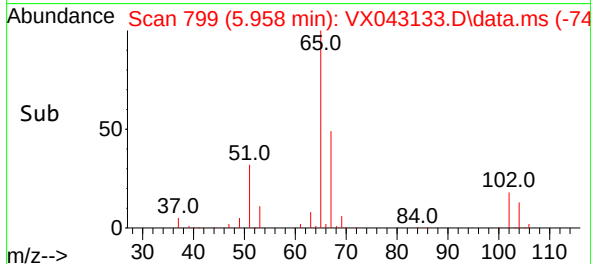
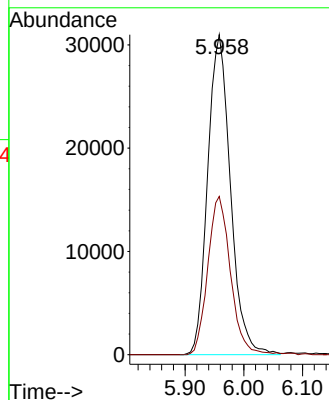
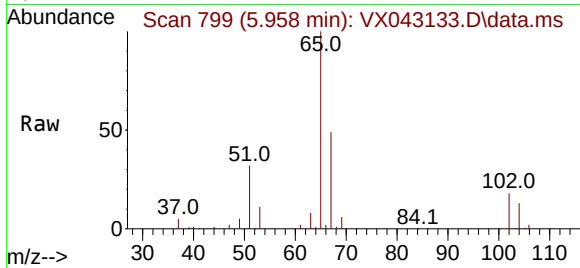
RE139D2-20240920

Tgt Ion: 65 Resp: 83530

Ion Ratio Lower Upper

65 100

67 49.3 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: VX043133.D

Acq: 24 Sep 2024 19:17

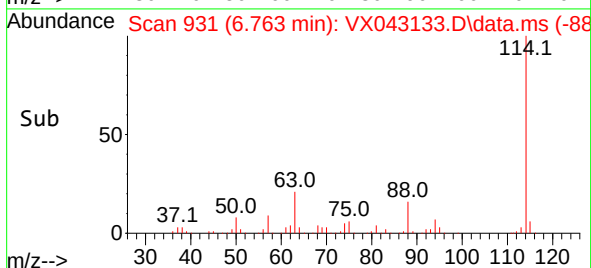
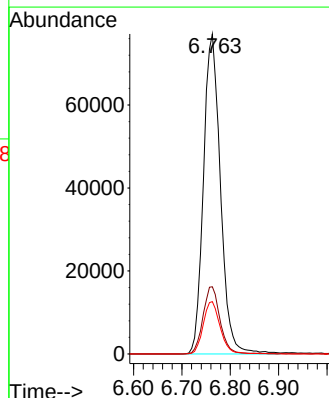
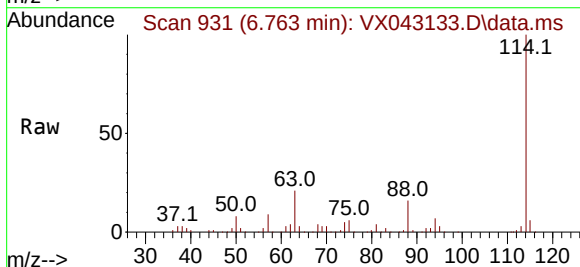
Tgt Ion: 114 Resp: 188326

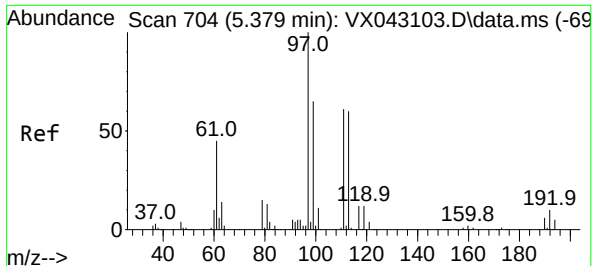
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.259 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

RE139D2-20240920

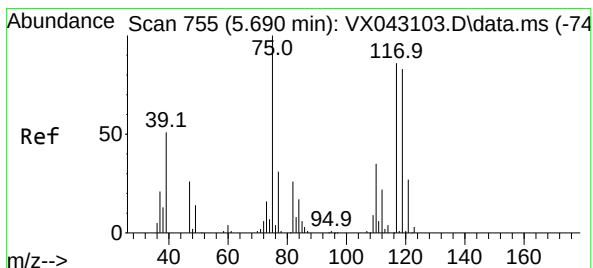
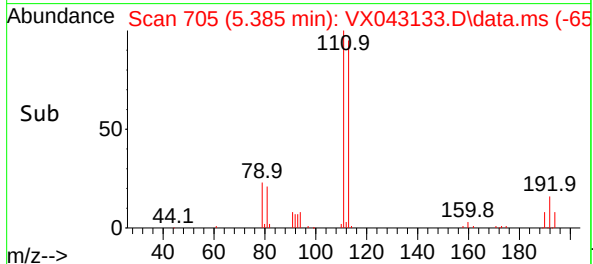
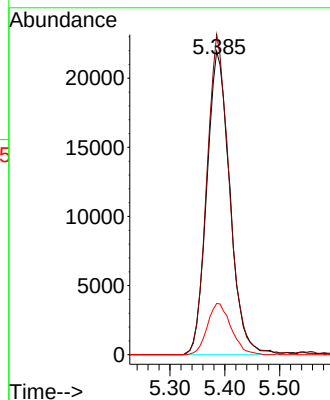
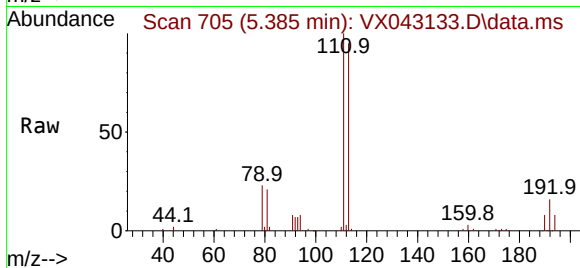
Tgt Ion:113 Resp: 64113

Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 17.3 14.6 22.0



#36

1,1-Dichloropropene

Concen: 5.033 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.147 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

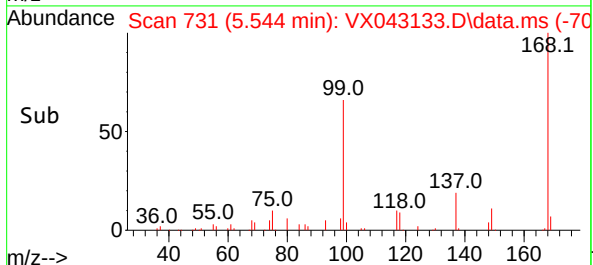
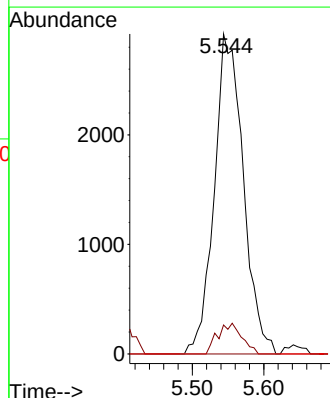
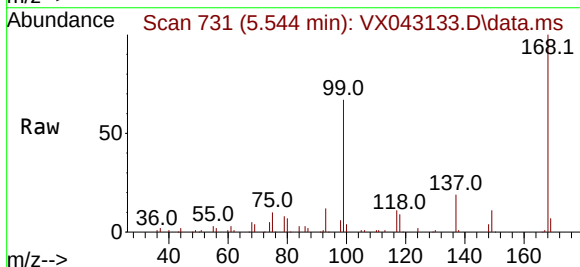
Tgt Ion: 75 Resp: 8216

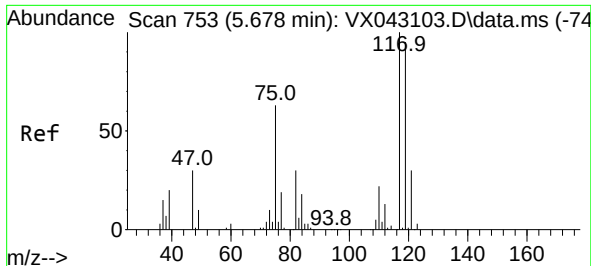
Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.4#

77 0.0 25.2 37.8#

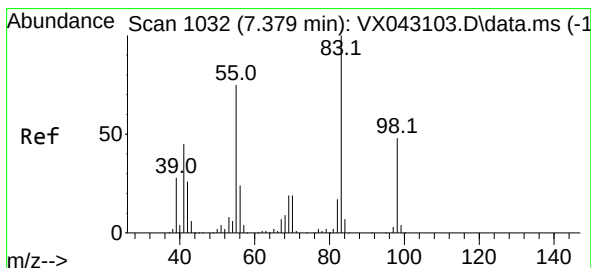
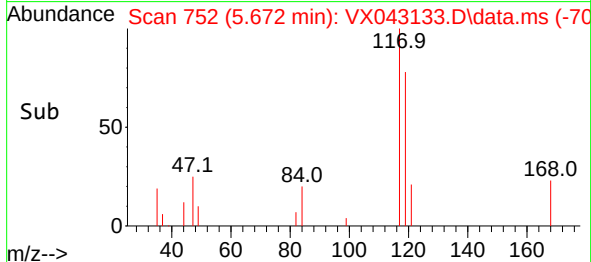
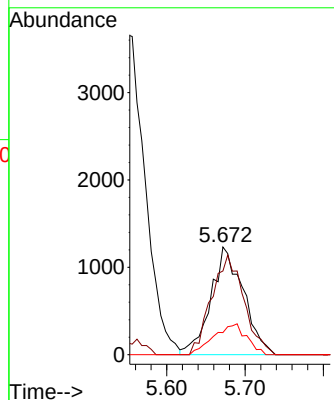
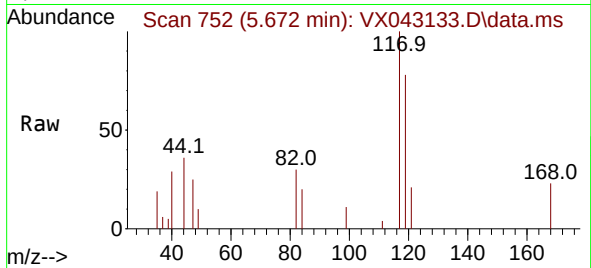




#38
Carbon Tetrachloride
Concen: 1.694 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

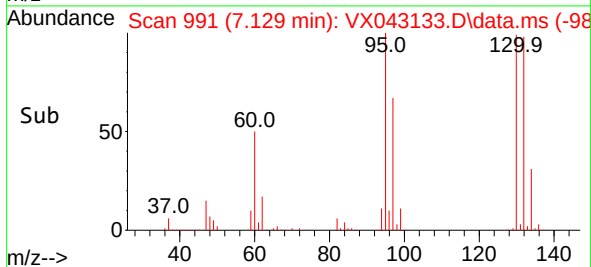
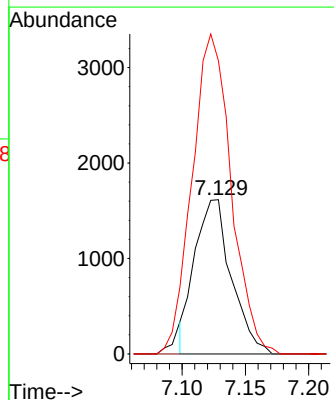
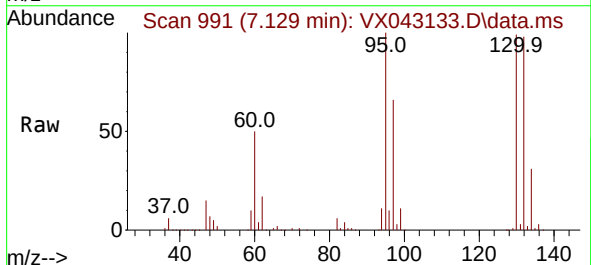
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

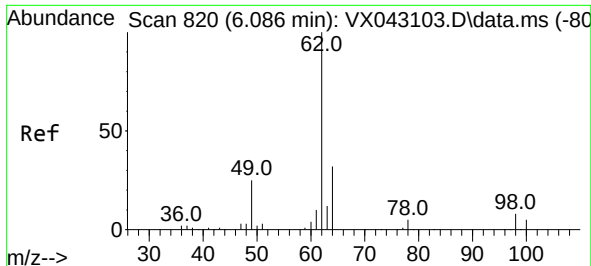
Tgt Ion:117 Resp: 3563
Ion Ratio Lower Upper
117 100
119 77.7 75.5 113.3
121 20.5 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.585 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Tgt Ion: 83 Resp: 3248
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.4#
98 190.2 38.6 58.0#





#42

1,2-Dichloroethane

Concen: 0.223 ug/l

RT: 6.104 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

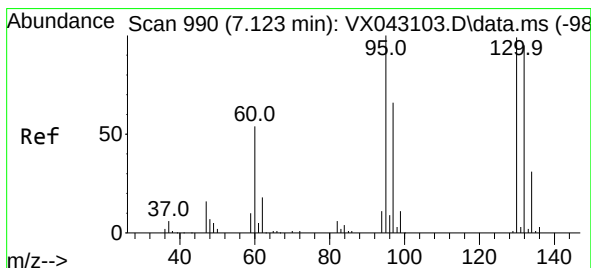
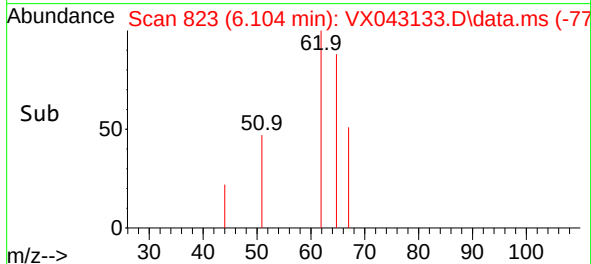
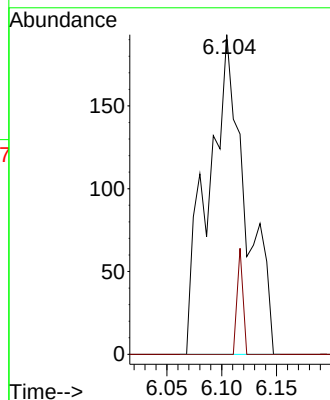
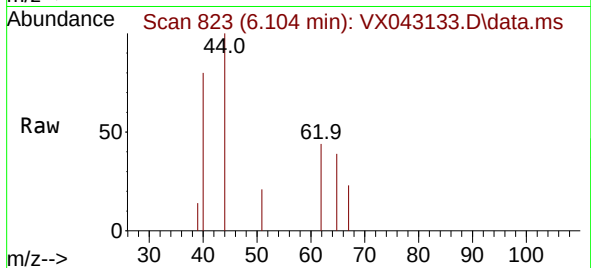
RE139D2-20240920

Tgt Ion: 62 Resp: 456

Ion Ratio Lower Upper

62 100

98 5.0 0.0 16.6



#44

Trichloroethene

Concen: 196.774 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX043133.D

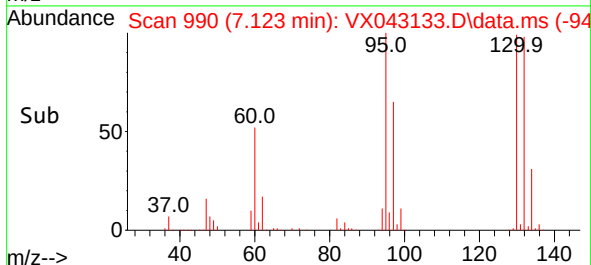
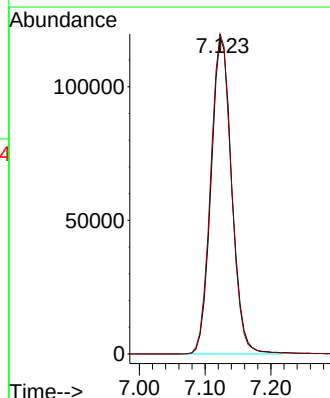
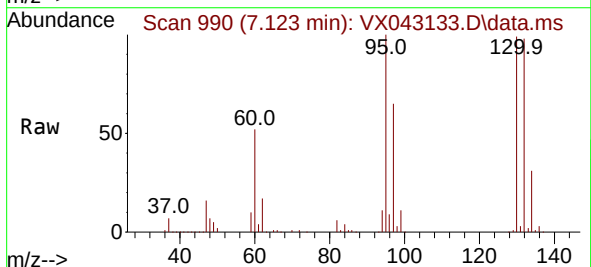
Acq: 24 Sep 2024 19:17

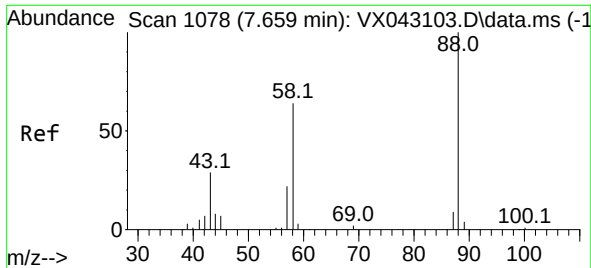
Tgt Ion:130 Resp: 259341

Ion Ratio Lower Upper

130 100

95 101.0 0.0 201.6

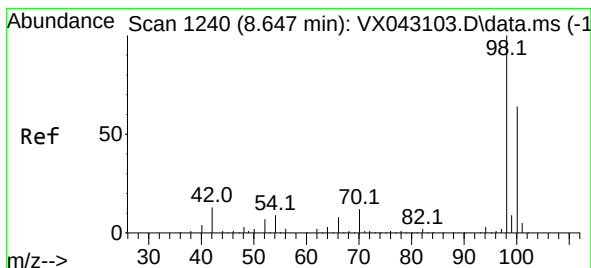
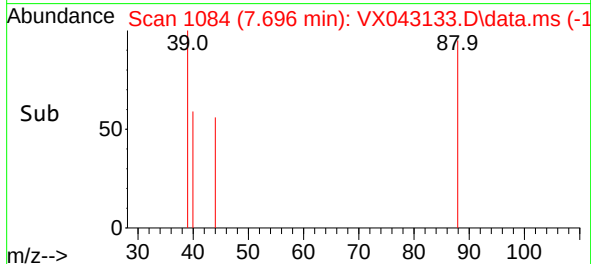
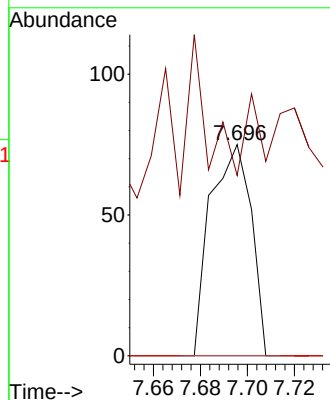
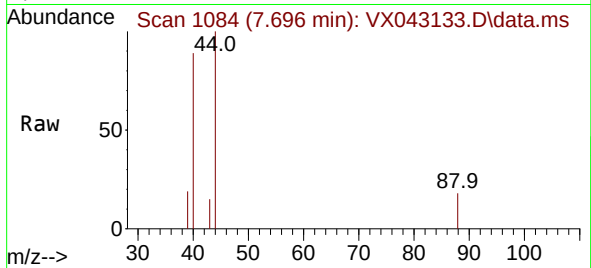




#49
1,4-Dioxane
Concen: 2.834 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.036 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

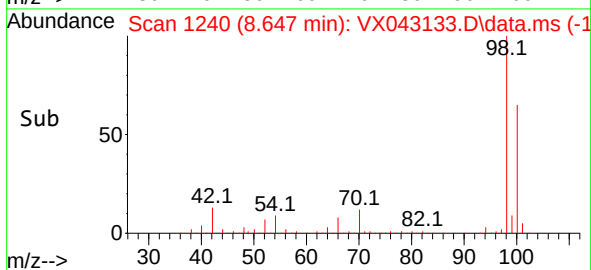
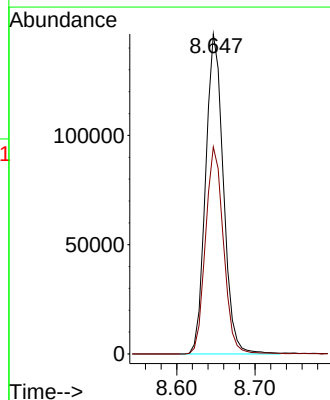
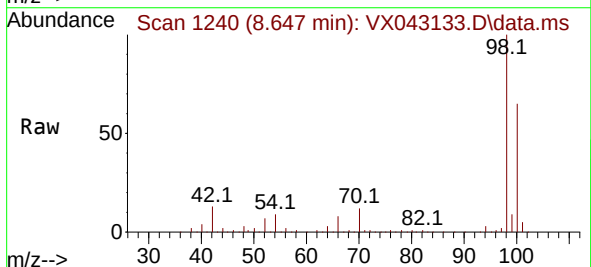
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

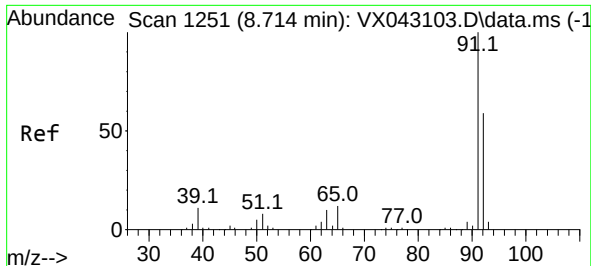
Tgt Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 0.0 29.5 44.3#
58 0.0 52.5 78.7#



#50
Toluene-d8
Concen: 51.204 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Tgt Ion: 98 Resp: 230144
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4





#52

Toluene

Concen: 0.267 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.012 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

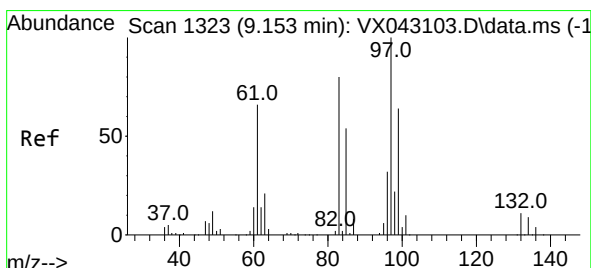
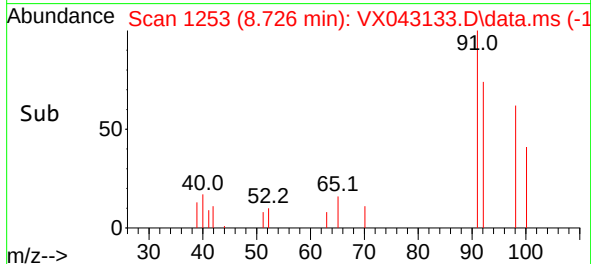
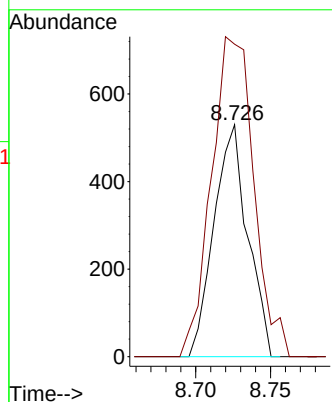
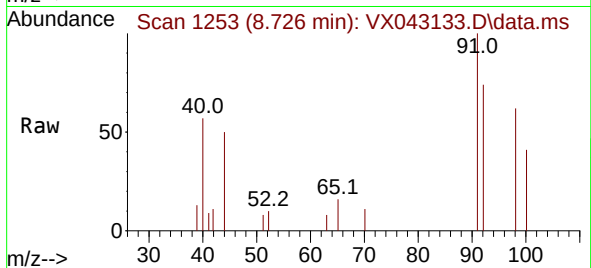
RE139D2-20240920

Tgt Ion: 92 Resp: 829

Ion Ratio Lower Upper

92 100

91 174.3 135.9 203.9



#55

1,1,2-Trichloroethane

Concen: 0.820 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Tgt Ion: 97 Resp: 1047

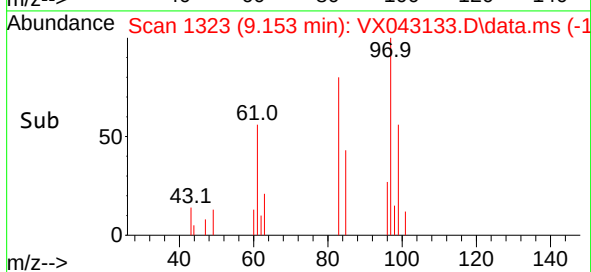
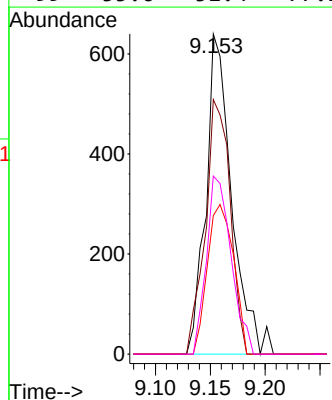
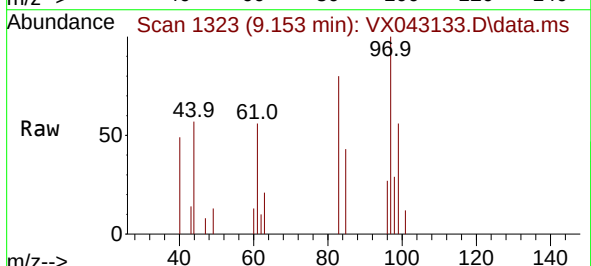
Ion Ratio Lower Upper

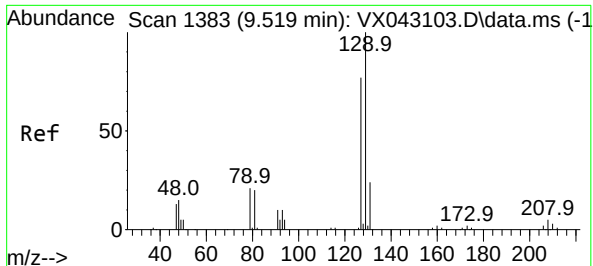
97 100

83 79.5 64.2 96.4

85 43.3 43.0 64.6

99 55.6 51.4 77.2

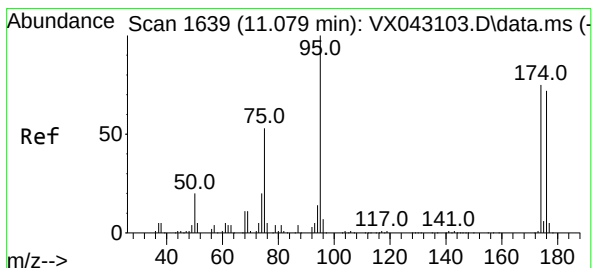
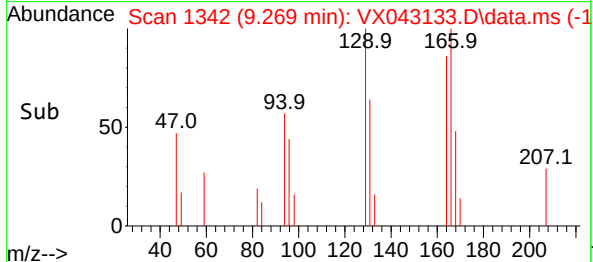
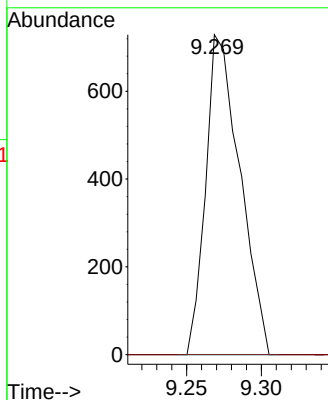
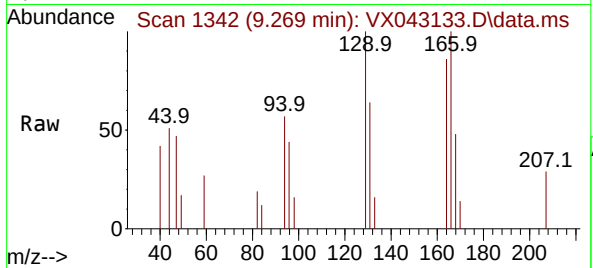




#60
Dibromochloromethane
Concen: 0.696 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

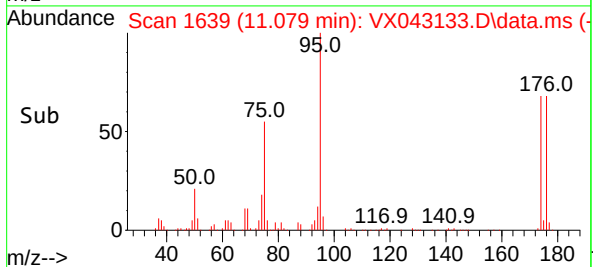
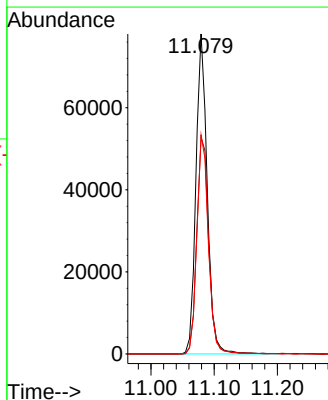
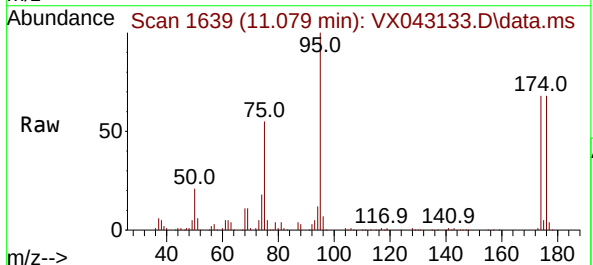
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

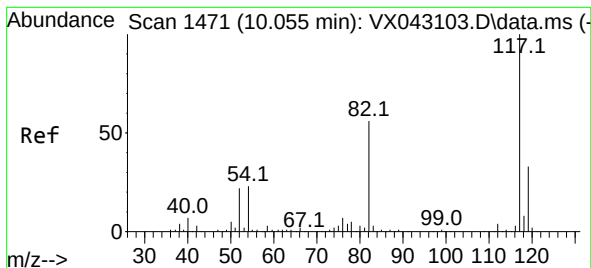
Tgt Ion:129 Resp: 1161
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#



#62
4-Bromofluorobenzene
Concen: 53.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Tgt Ion: 95 Resp: 96906
Ion Ratio Lower Upper
95 100
174 71.7 0.0 146.0
176 69.9 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: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

RE139D2-20240920

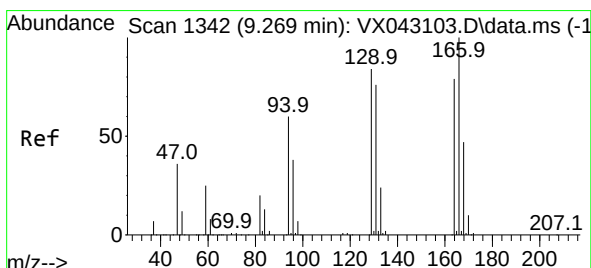
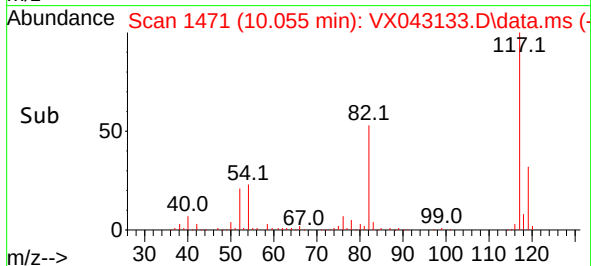
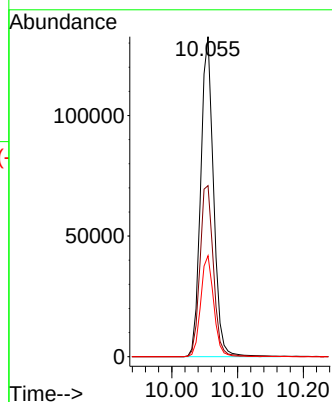
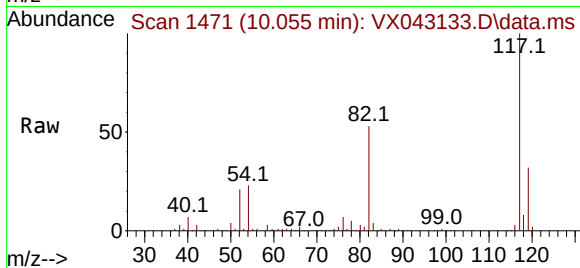
Tgt Ion:117 Resp: 180502

Ion Ratio Lower Upper

117 100

82 53.4 44.7 67.1

119 31.5 26.3 39.5



#64

Tetrachloroethene

Concen: 0.908 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Tgt Ion:164 Resp: 1187

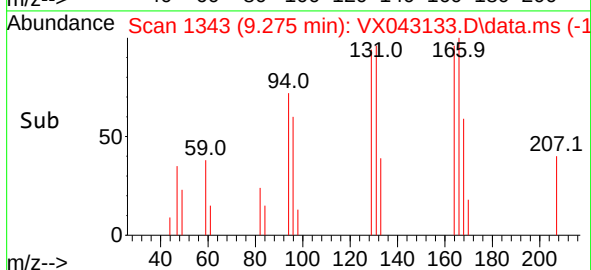
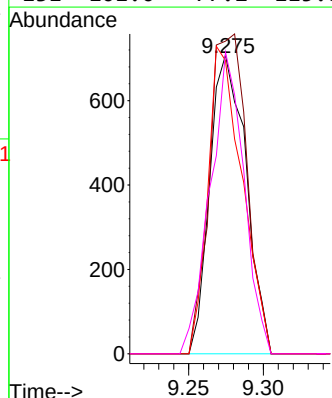
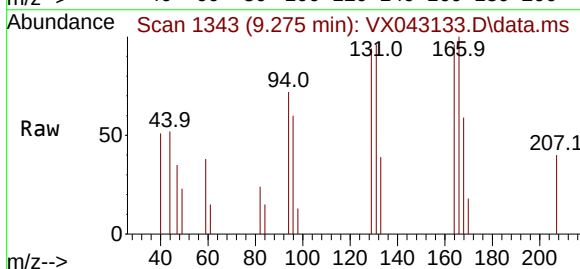
Ion Ratio Lower Upper

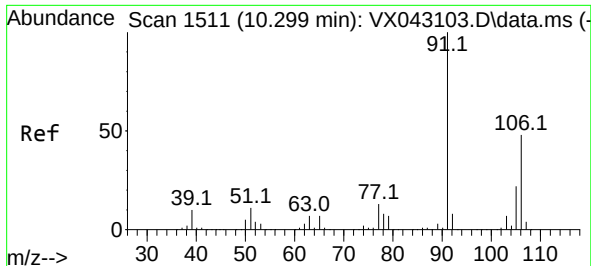
164 100

166 104.7 101.2 151.8

129 98.2 84.7 127.1

131 101.0 77.2 115.8

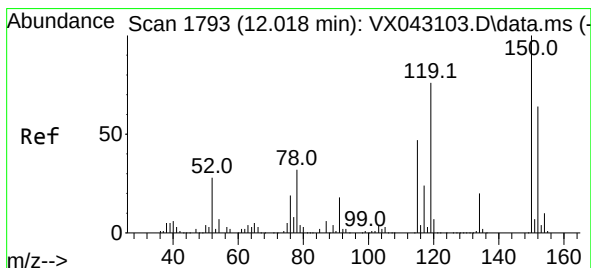
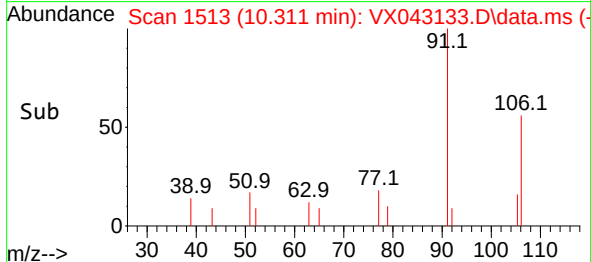
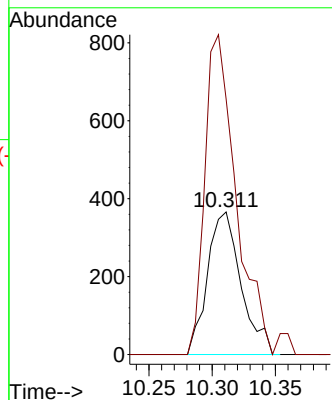
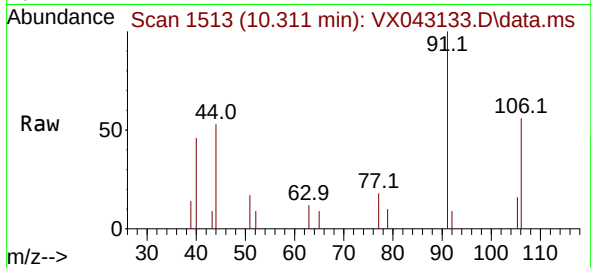




#68
m/p-Xylenes
Concen: 0.269 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

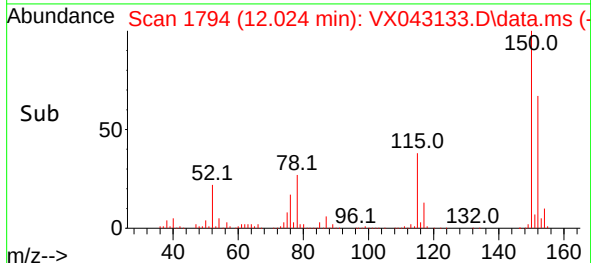
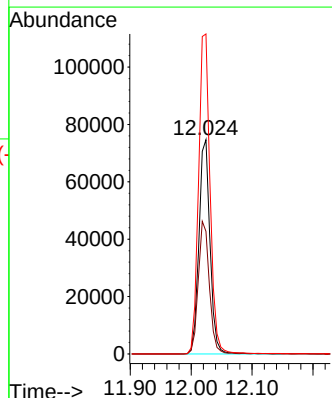
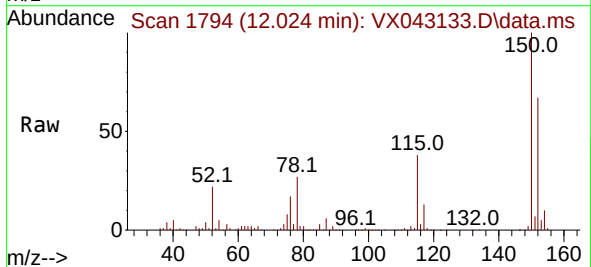
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

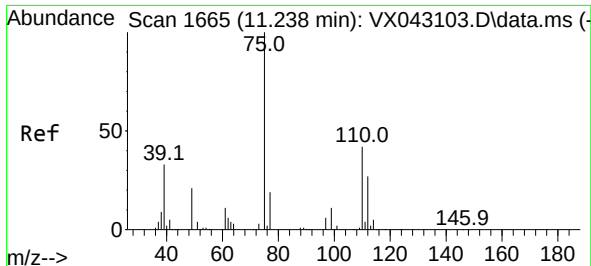
Tgt Ion:106 Resp: 674
Ion Ratio Lower Upper
106 100
91 209.3 167.5 251.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Tgt Ion:152 Resp: 94415
Ion Ratio Lower Upper
152 100
115 61.8 43.7 131.1
150 155.1 0.0 344.6

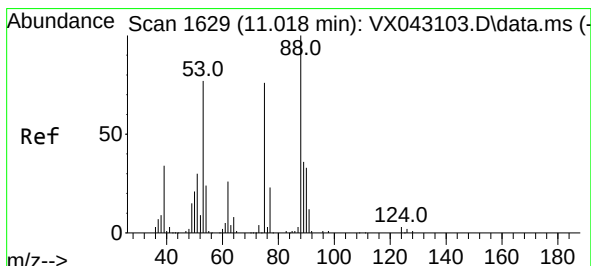
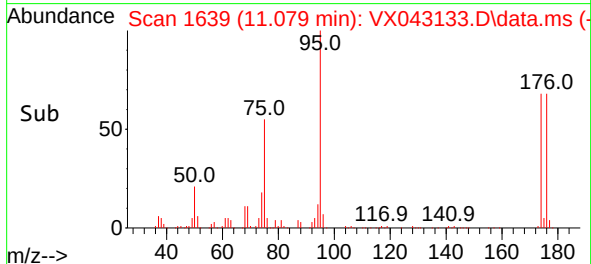
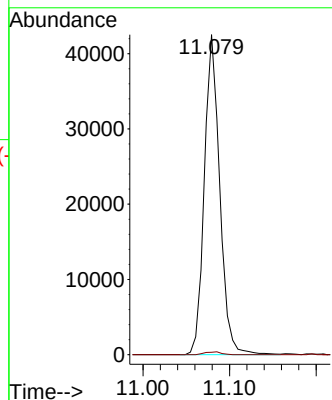
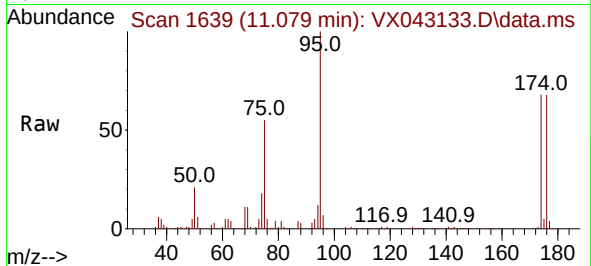




#76
1,2,3-Trichloropropane
Concen: 26.189 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

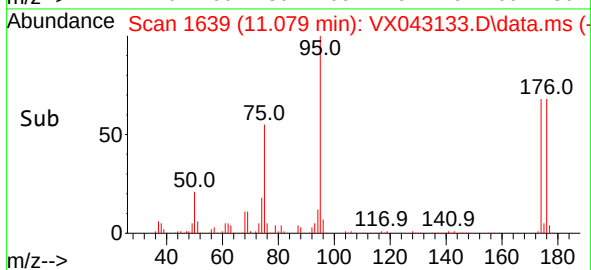
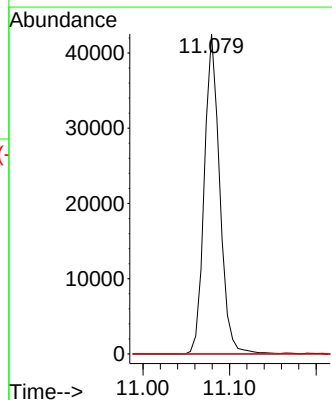
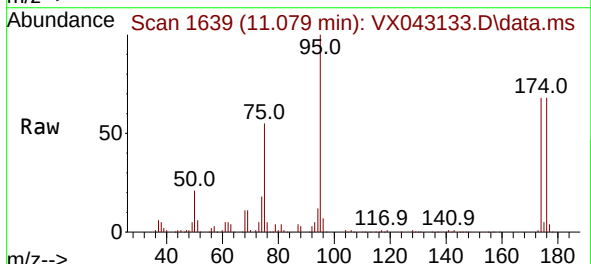
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920

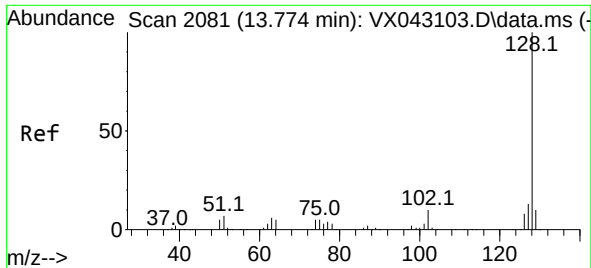
Tgt Ion: 75 Resp: 52569
Ion Ratio Lower Upper
75 100
77 0.9 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.397 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

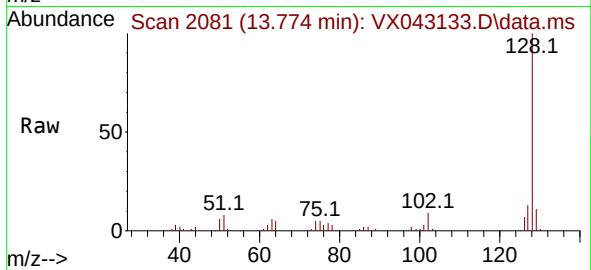
Tgt Ion: 75 Resp: 52569
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 3.519 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043133.D
Acq: 24 Sep 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20240920



Tgt Ion:128 Resp: 23149
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.8 8.6 13.0

