

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043142.D
 Acq On : 25 Sep 2024 10:57
 Operator : JC/MD
 Sample : P4164-10DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20240919DL

Quant Time: Sep 26 01:31:36 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)

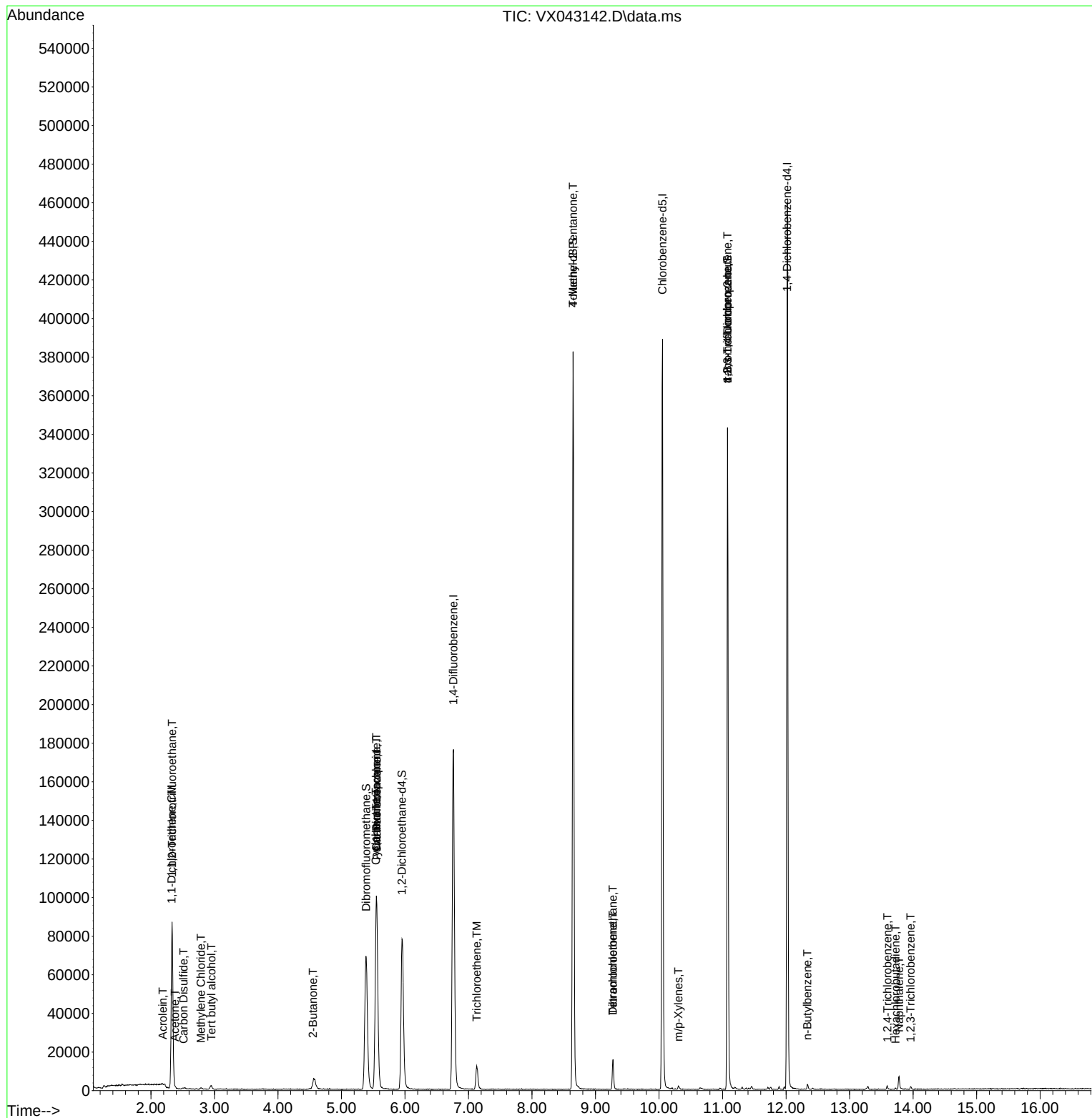
Internal Standards						
1) Pentafluorobenzene	5.556	168	90393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	179873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80423	53.563	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.120%			
35) Dibromofluoromethane	5.385	113	61229	48.254	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.500%			
50) Toluene-d8	8.647	98	220378	51.335	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.680%			
62) 4-Bromofluorobenzene	11.079	95	91647	53.011	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.020%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	33302	33.250	ug/l	99
11) Tert butyl alcohol	2.953	59	937	2.795	ug/l #	71
12) 1,1-Dichloroethene	2.325	96	316	0.330	ug/l #	57
13) Acrolein	2.185	56	24	0.543	ug/l #	15
16) Acetone	2.380	43	871	1.240	ug/l	97
17) Carbon Disulfide	2.514	76	587	0.247	ug/l #	75
20) Methylene Chloride	2.788	84	351	0.314	ug/l #	77
25) 2-Butanone	4.550	43	237	0.262	ug/l #	49
31) Cyclohexane	5.544	56	2354	1.594	ug/l #	37
36) 1,1-Dichloropropene	5.550	75	7911	5.074	ug/l #	49
38) Carbon Tetrachloride	5.550	117	10183	5.070	ug/l #	16
44) Trichloroethene	7.129	130	5288	4.201	ug/l	93
51) 4-Methyl-2-Pentanone	8.647	43	1213	0.604	ug/l #	1
60) Dibromochloromethane	9.275	129	2920	1.833	ug/l #	11
64) Tetrachloroethene	9.275	164	2805	2.233	ug/l	96
68) m/p-Xylenes	10.305	106	575	0.239	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	50318	26.286	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	50318	62.629	ug/l #	7
89) n-Butylbenzene	12.335	91	1037	0.203	ug/l	95
93) 1,2,4-Trichlorobenzene	13.597	180	587	0.325	ug/l	92
94) Hexachlorobutadiene	13.725	225	236	0.311	ug/l #	41
95) Naphthalene	13.780	128	5363	0.855	ug/l #	97
96) 1,2,3-Trichlorobenzene	13.963	180	513	0.286	ug/l	87

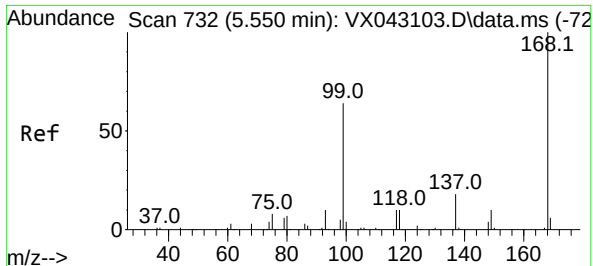
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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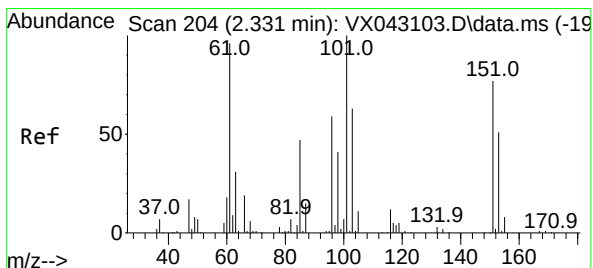
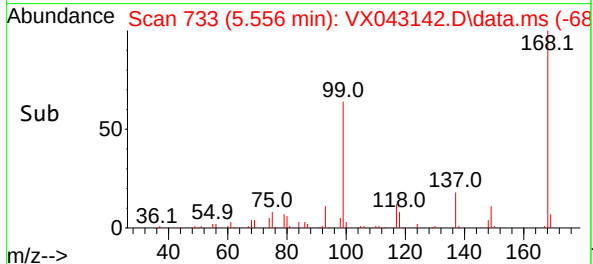
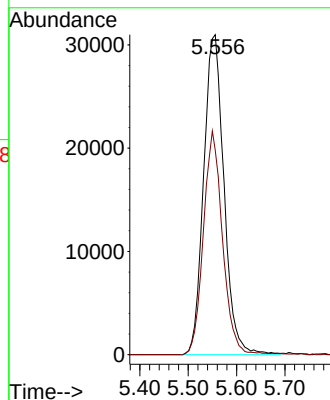
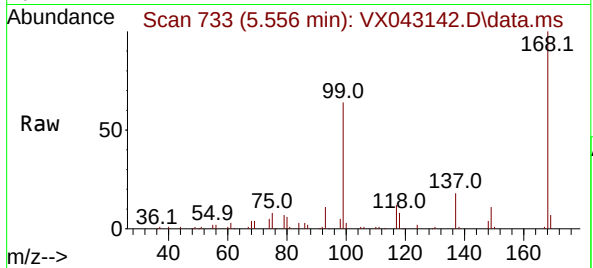




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

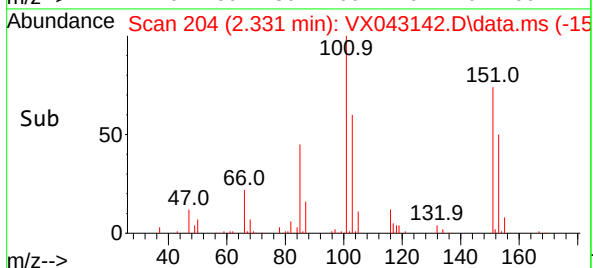
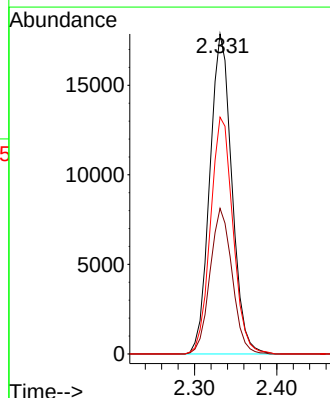
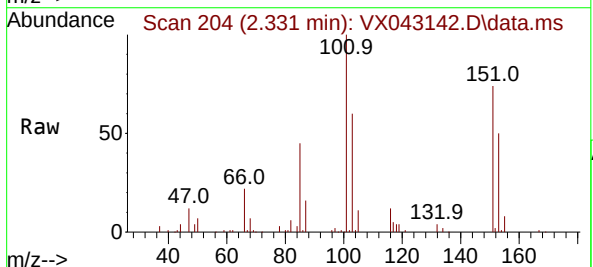
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240919DL

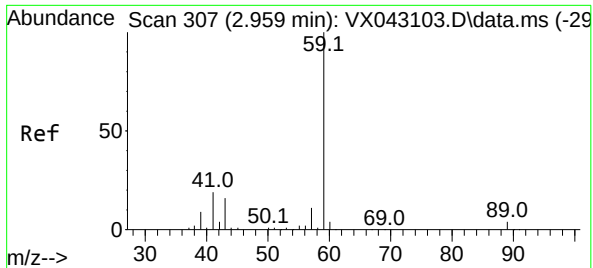
Tgt Ion:168 Resp: 90393
Ion Ratio Lower Upper
168 100
99 63.9 50.8 76.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 33.250 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Tgt Ion:101 Resp: 33302
Ion Ratio Lower Upper
101 100
85 45.5 37.0 55.4
151 75.5 60.2 90.4

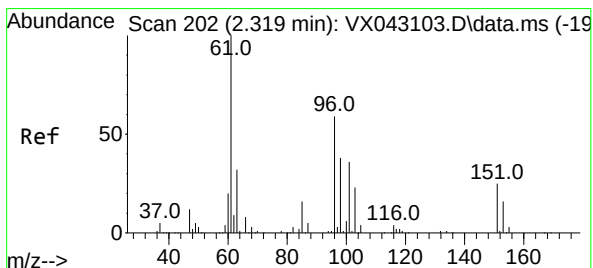
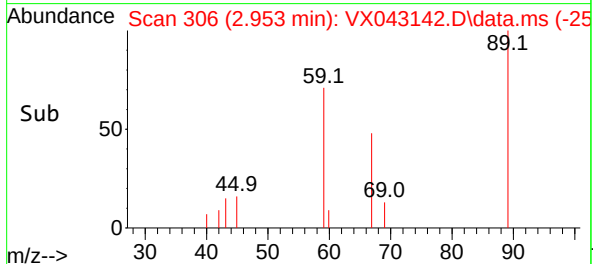
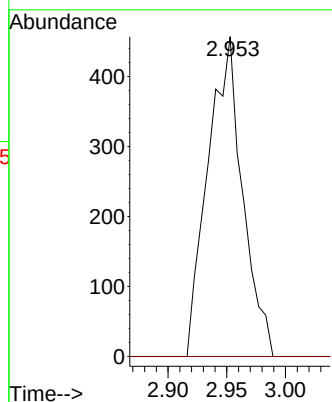
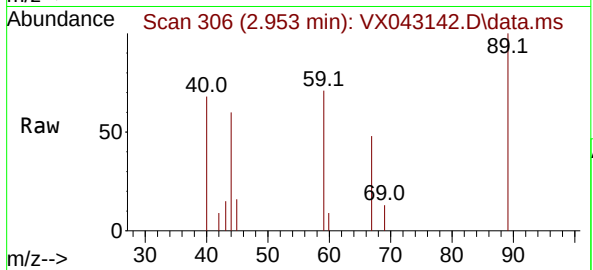




#11
Tert butyl alcohol
Concen: 2.795 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

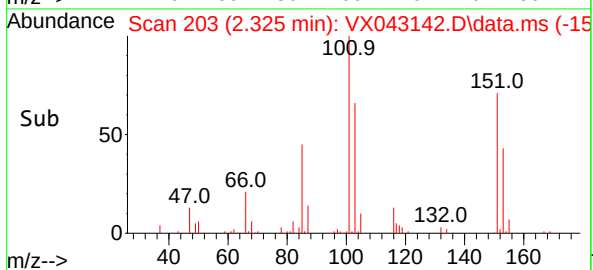
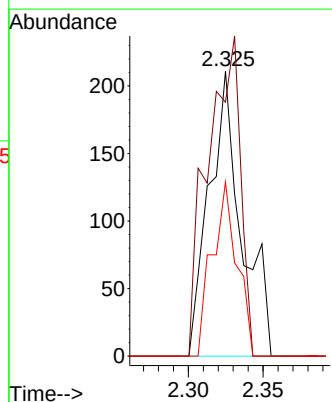
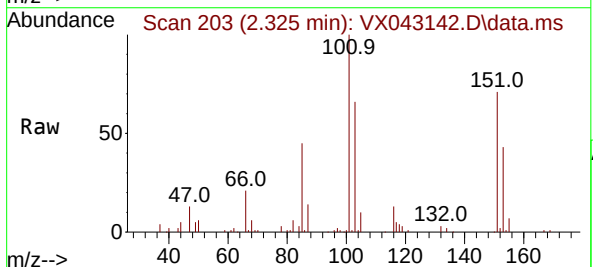
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240919DL

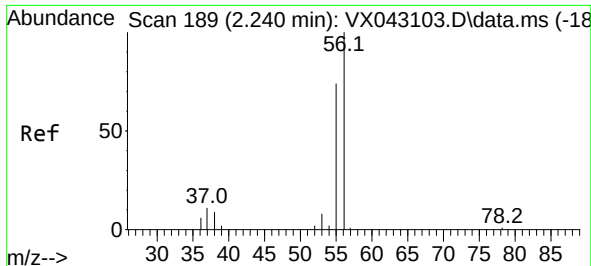
Tgt Ion: 59 Resp: 937
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 0.330 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Tgt Ion: 96 Resp: 316
Ion Ratio Lower Upper
96 100
61 89.1 134.7 202.1#
98 61.1 51.6 77.4





#13

Acrolein

Concen: 0.543 ug/l

RT: 2.185 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX043142.D

Acq: 25 Sep 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

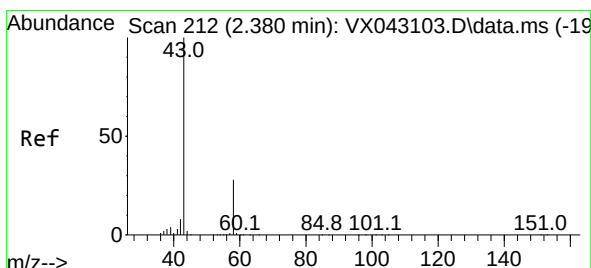
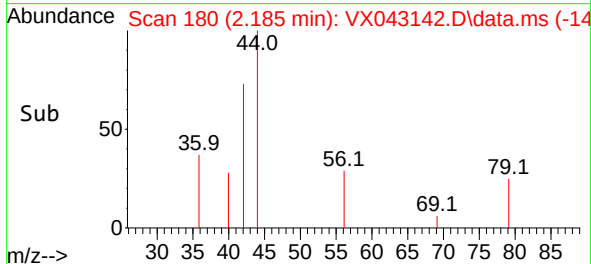
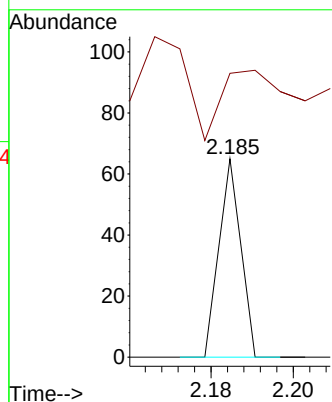
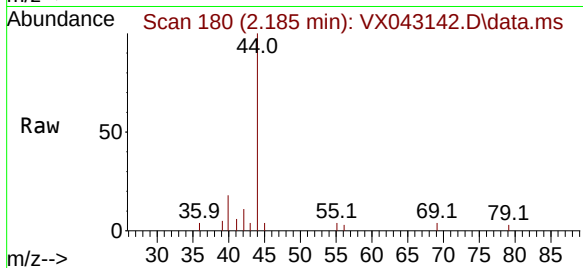
RE134D4-20240919DL

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#



#16

Acetone

Concen: 1.240 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043142.D

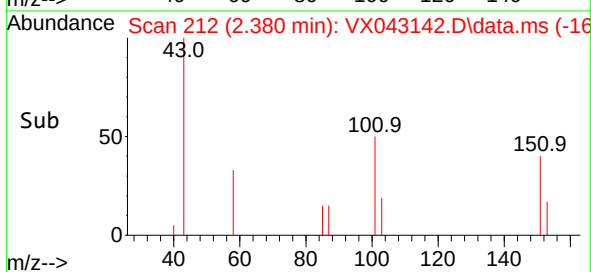
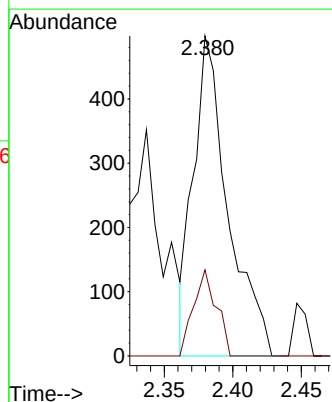
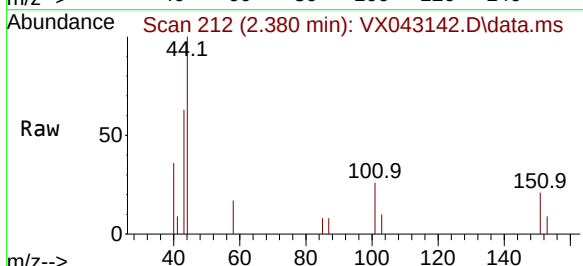
Acq: 25 Sep 2024 10:57

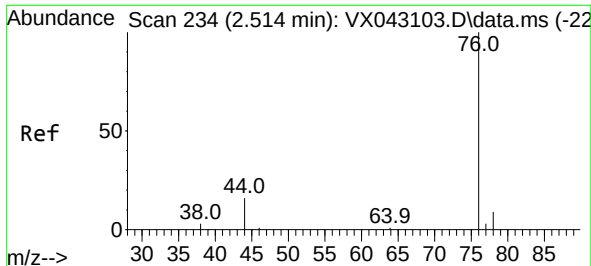
Tgt Ion: 43 Resp: 871

Ion Ratio Lower Upper

43 100

58 26.9 22.6 34.0





#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX043142.D

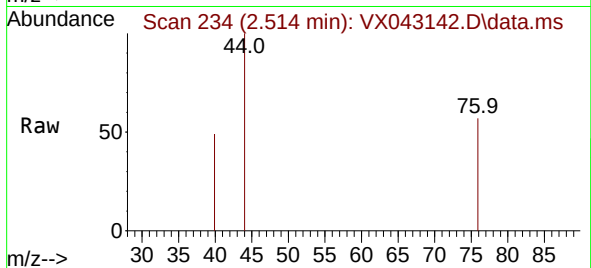
Acq: 25 Sep 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20240919DL

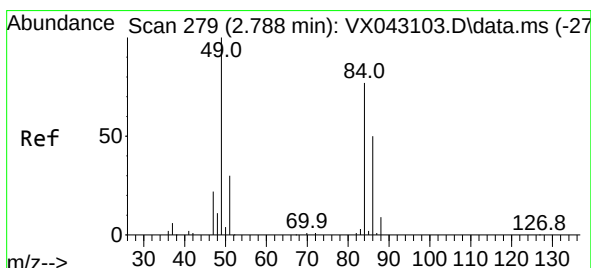
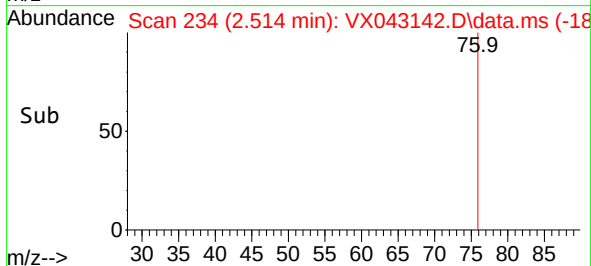
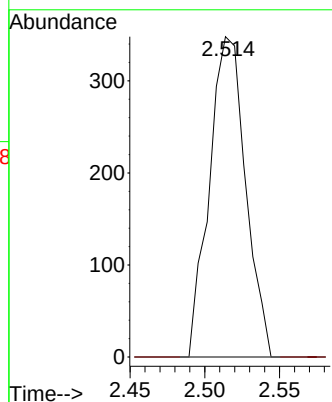


Tgt Ion: 76 Resp: 587

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.314 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX043142.D

Acq: 25 Sep 2024 10:57

Tgt Ion: 84 Resp: 351

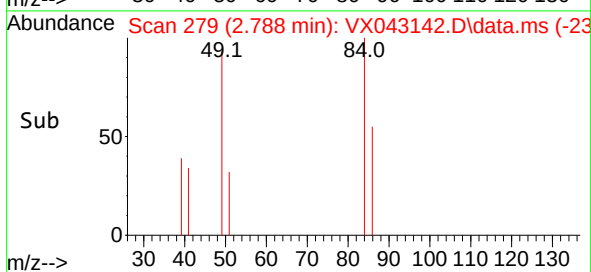
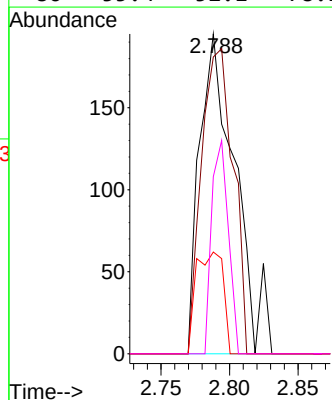
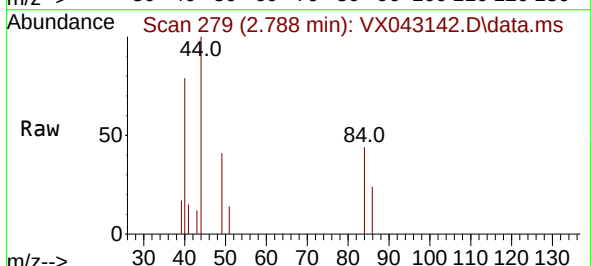
Ion Ratio Lower Upper

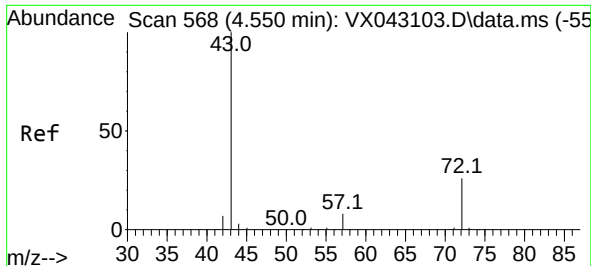
84 100

49 92.8 104.1 156.1#

51 31.8 31.1 46.7

86 55.4 52.1 78.1





#25

2-Butanone

Concen: 0.262 ug/l

RT: 4.550 min Scan# 50

Delta R.T. -0.000 min

Lab File: VX043142.D

Acq: 25 Sep 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

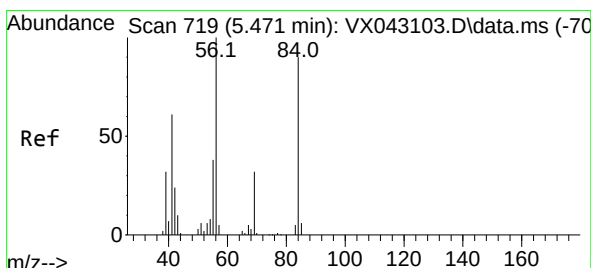
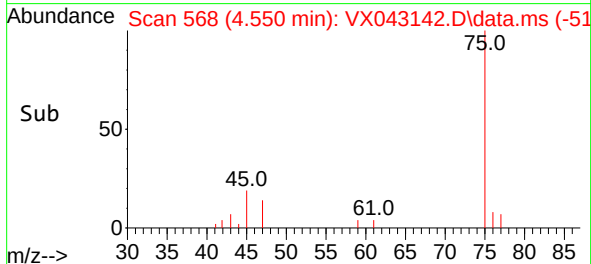
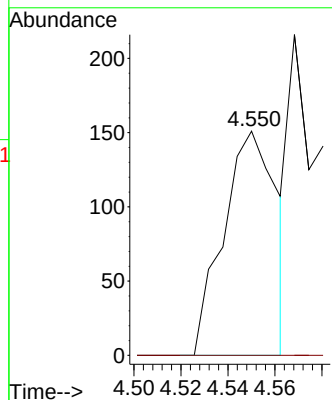
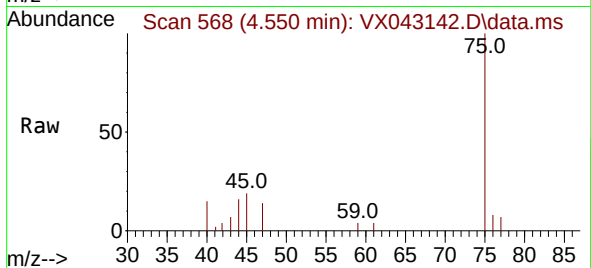
RE134D4-20240919DL

Tgt Ion: 43 Resp: 237

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#31

Cyclohexane

Concen: 1.594 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX043142.D

Acq: 25 Sep 2024 10:57

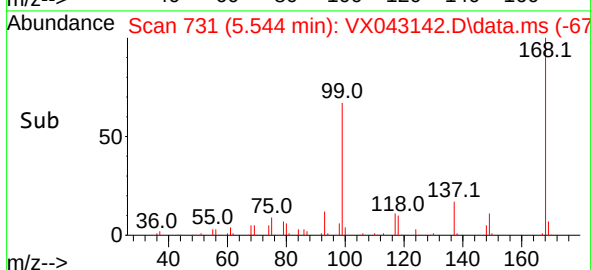
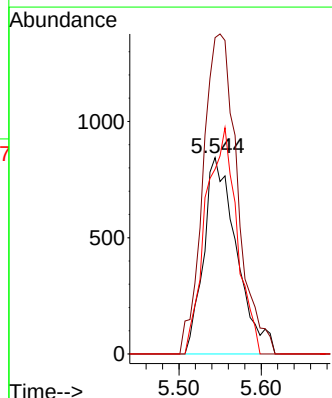
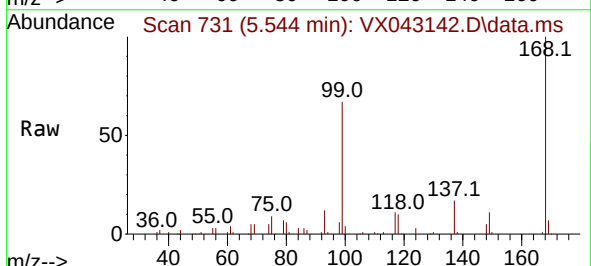
Tgt Ion: 56 Resp: 2354

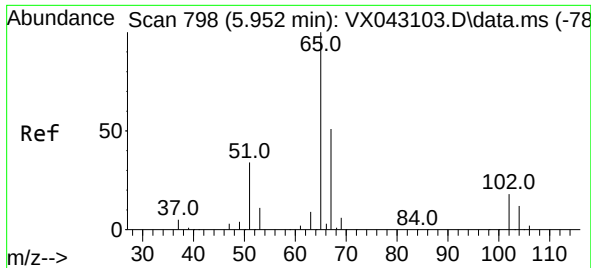
Ion Ratio Lower Upper

56 100

69 161.1 25.8 38.6#

84 94.2 72.4 108.6

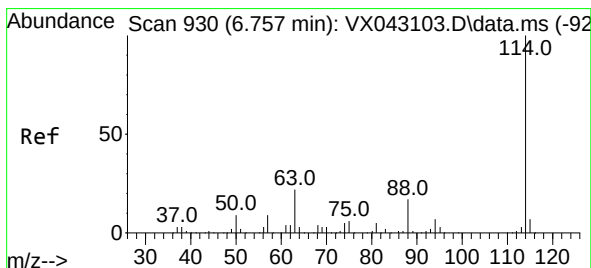
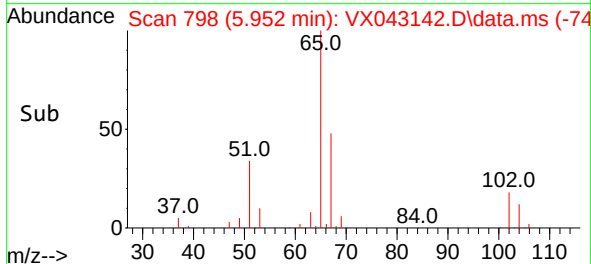
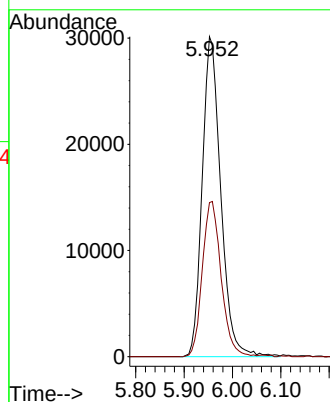
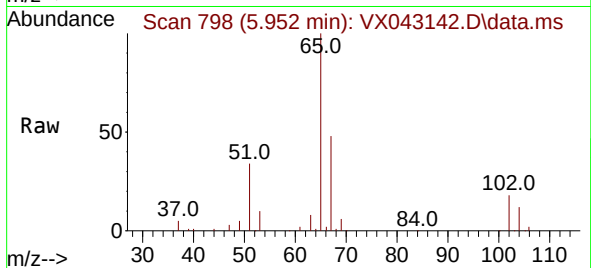




#33
1,2-Dichloroethane-d4
Concen: 53.563 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

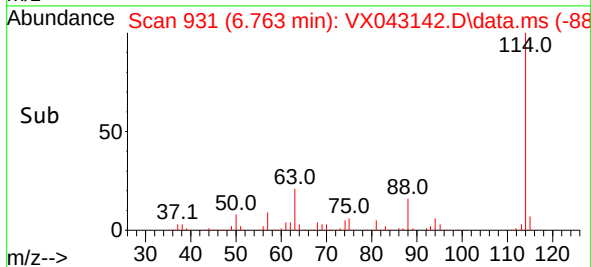
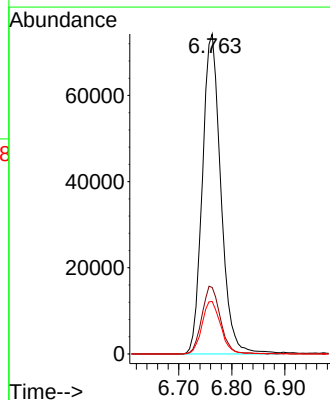
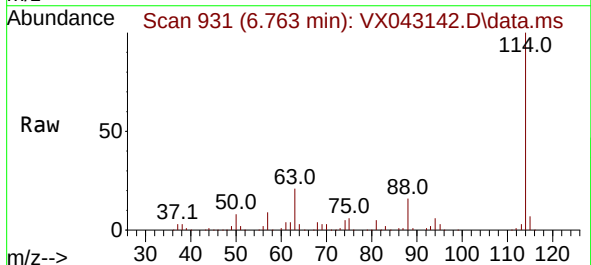
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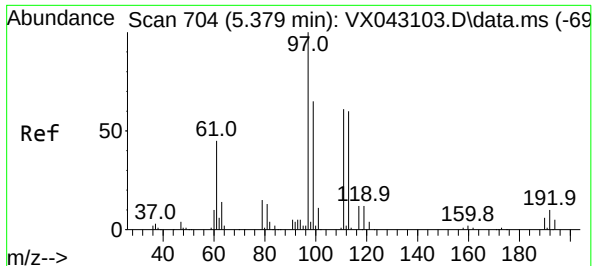
Tgt Ion: 65 Resp: 80423
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Tgt Ion: 114 Resp: 179873
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.2
88 16.4 0.0 33.4

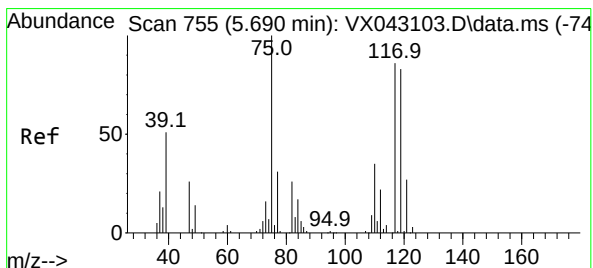
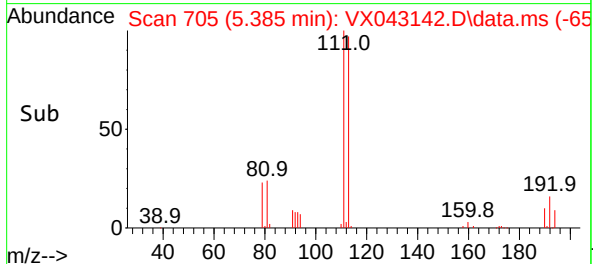
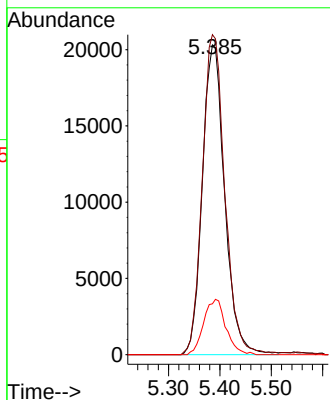
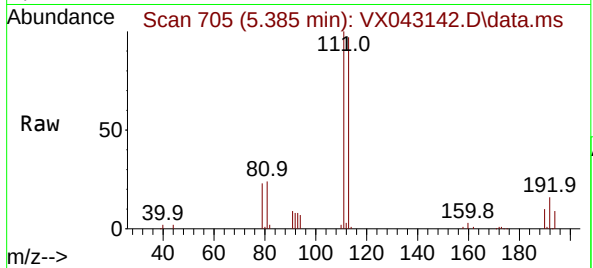




#35
Dibromofluoromethane
Concen: 48.254 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

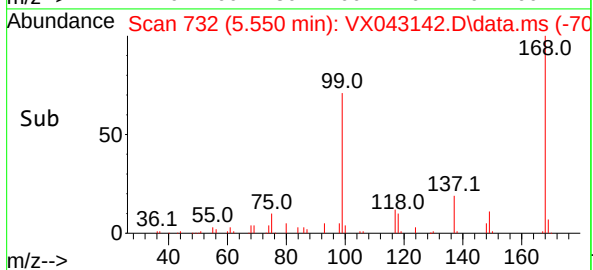
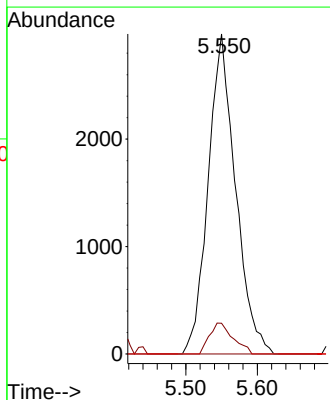
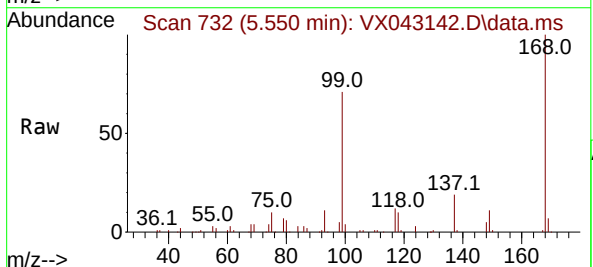
Instrument :
MSVOA_X
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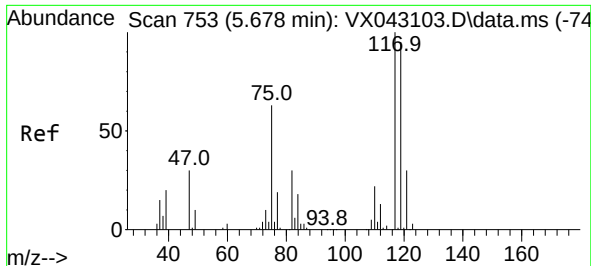
Tgt Ion:113 Resp: 61229
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 17.8 14.6 22.0



#36
1,1-Dichloropropene
Concen: 5.074 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

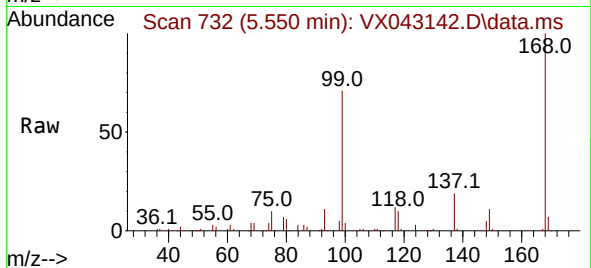
Tgt Ion: 75 Resp: 7911
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.4#
77 0.0 25.2 37.8#



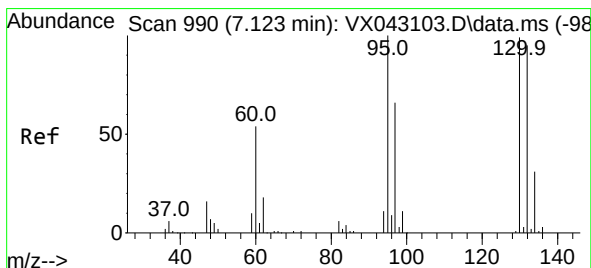
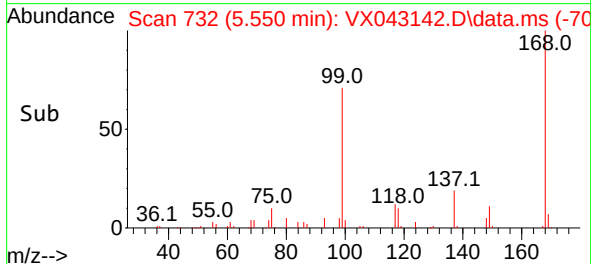
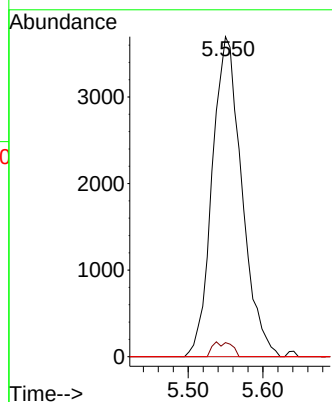


#38
Carbon Tetrachloride
Concen: 5.070 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240919DL

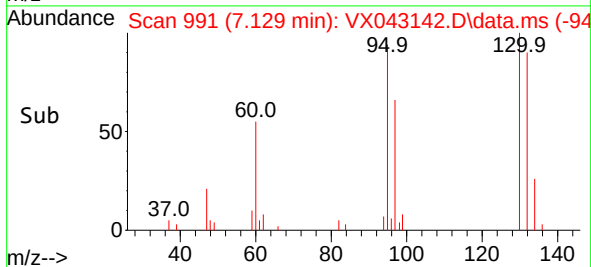
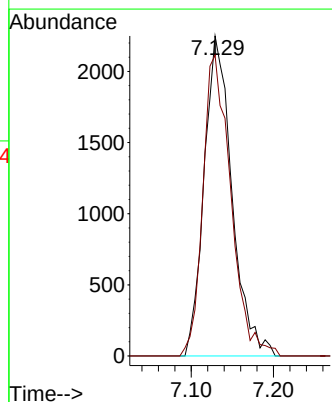
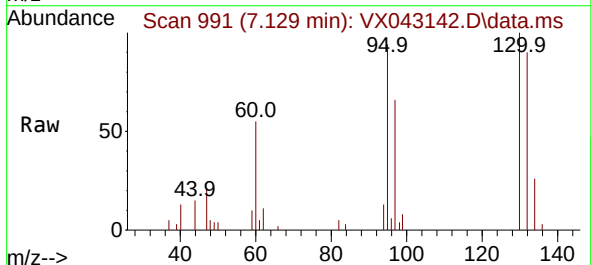


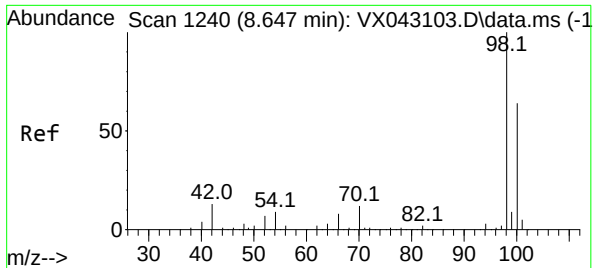
Tgt Ion:117 Resp: 10183
Ion Ratio Lower Upper
117 100
119 4.4 75.5 113.3#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 4.201 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Tgt Ion:130 Resp: 5288
Ion Ratio Lower Upper
130 100
95 94.0 0.0 201.6

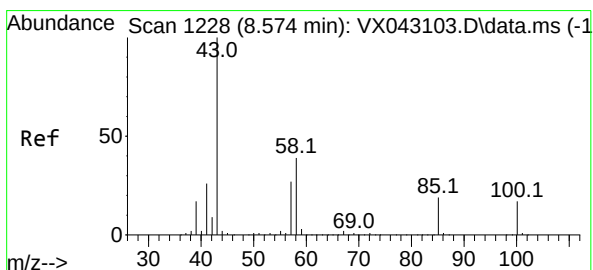
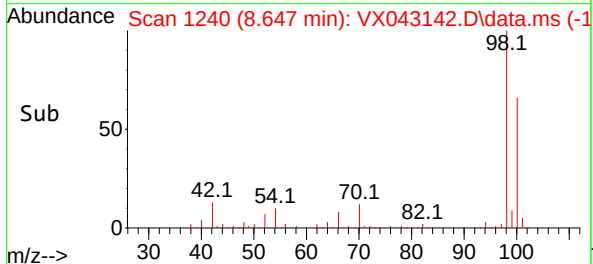
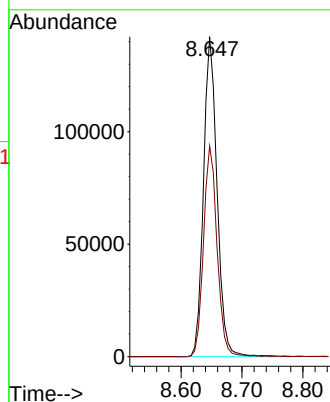
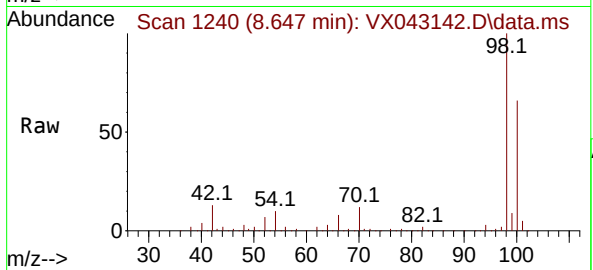




#50
Toluene-d8
Concen: 51.335 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

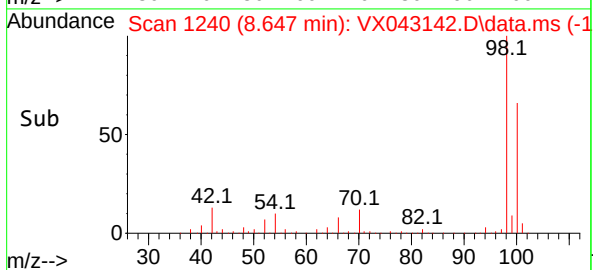
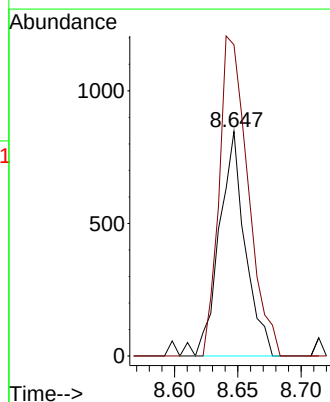
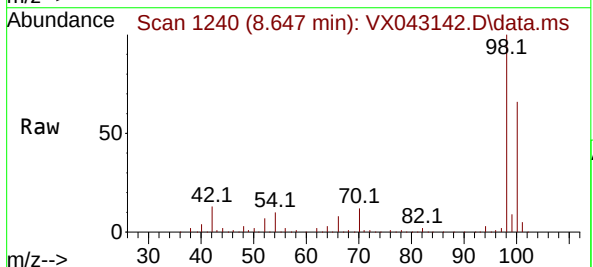
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240919DL

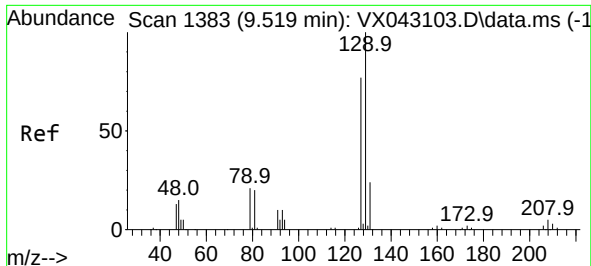
Tgt Ion: 98 Resp: 220378
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.604 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
58 158.1 30.3 45.5#

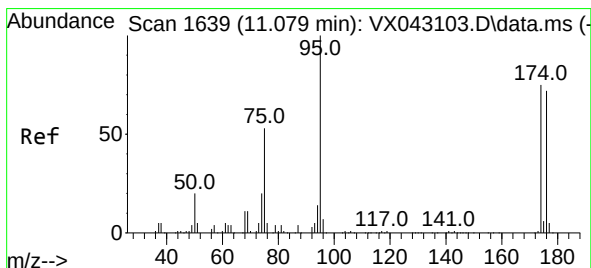
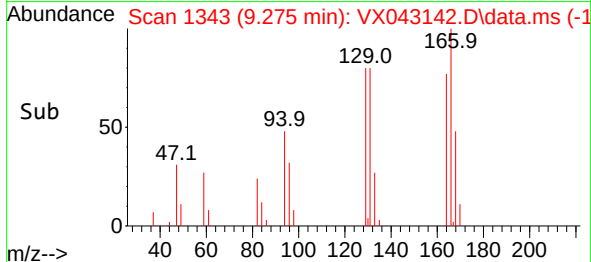
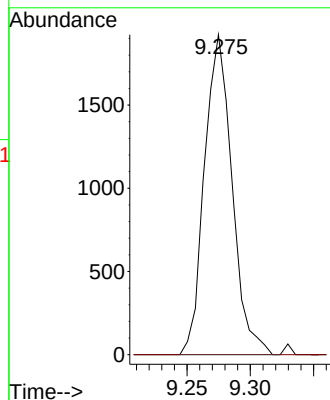
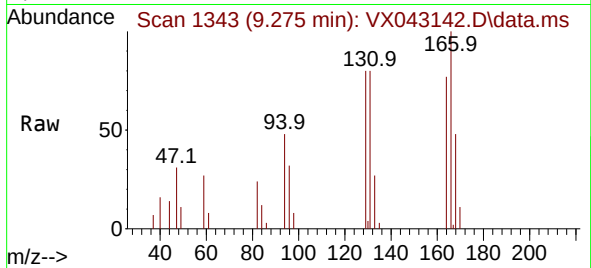




#60
Dibromochloromethane
Concen: 1.833 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

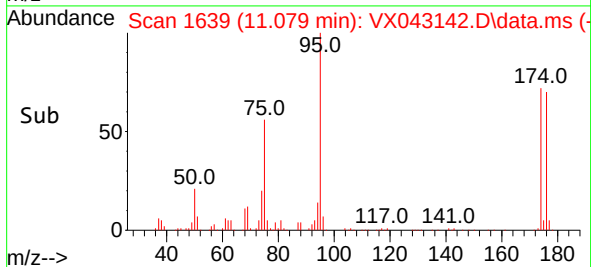
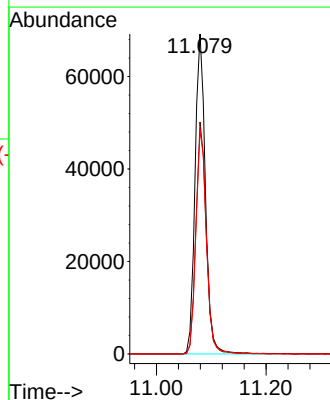
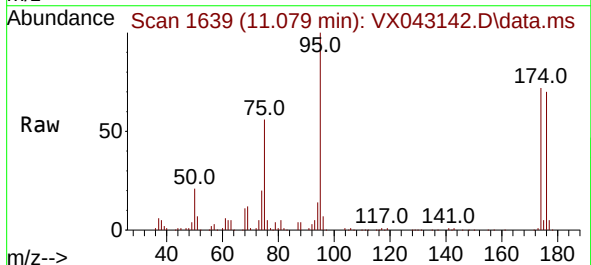
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240919DL

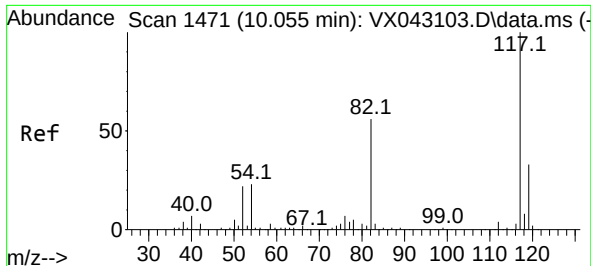
Tgt Ion:129 Resp: 2920
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#



#62
4-Bromofluorobenzene
Concen: 53.011 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Tgt Ion: 95 Resp: 91647
Ion Ratio Lower Upper
95 100
174 72.3 0.0 146.0
176 70.2 0.0 142.6

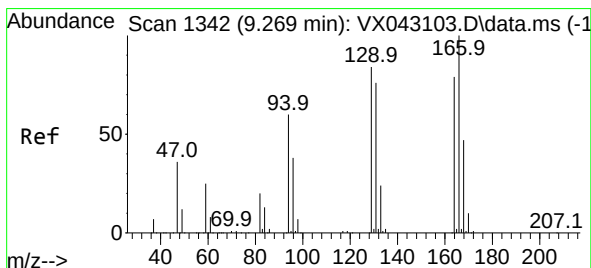
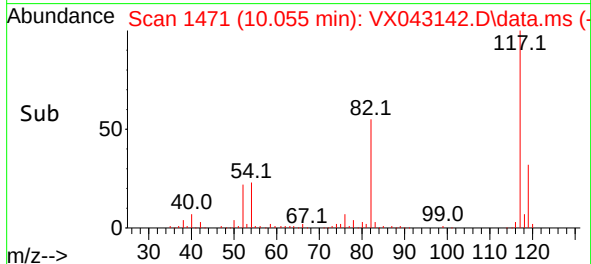
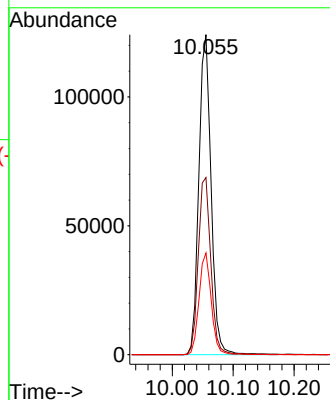
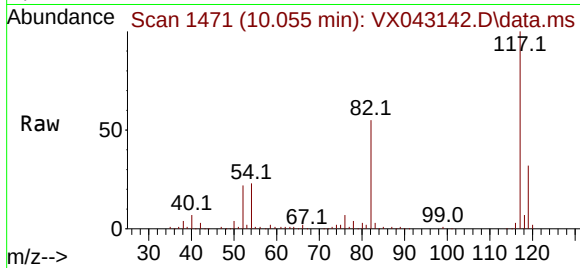




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

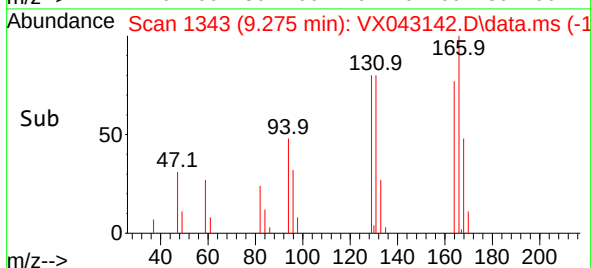
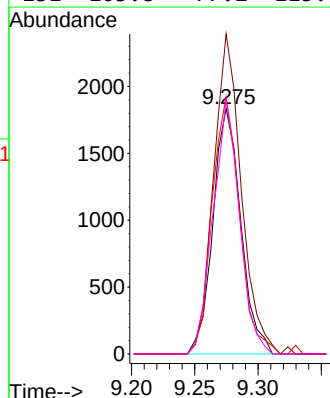
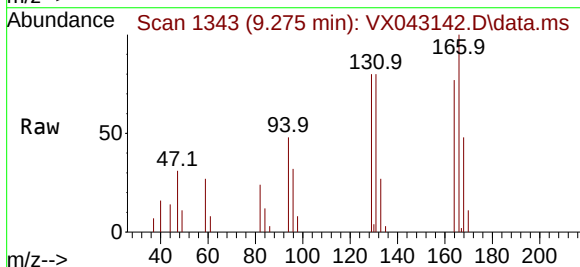
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240919DL

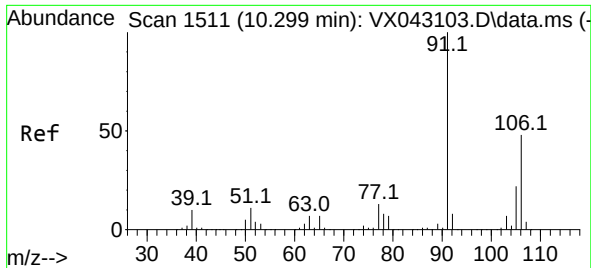
Tgt Ion:117 Resp: 173403
Ion Ratio Lower Upper
117 100
82 55.3 44.7 67.1
119 31.8 26.3 39.5



#64
Tetrachloroethene
Concen: 2.233 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Tgt Ion:164 Resp: 2805
Ion Ratio Lower Upper
164 100
166 130.4 101.2 151.8
129 104.8 84.7 127.1
131 103.8 77.2 115.8

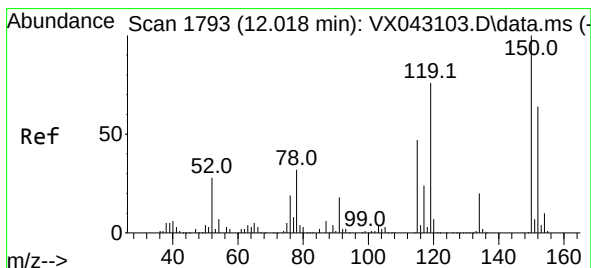
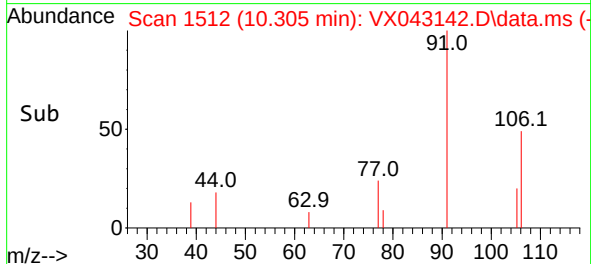
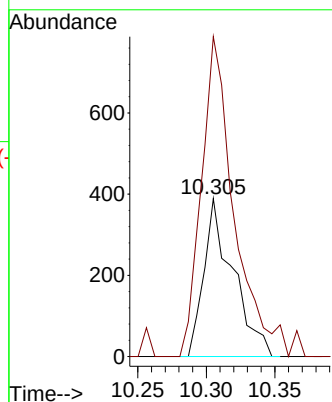
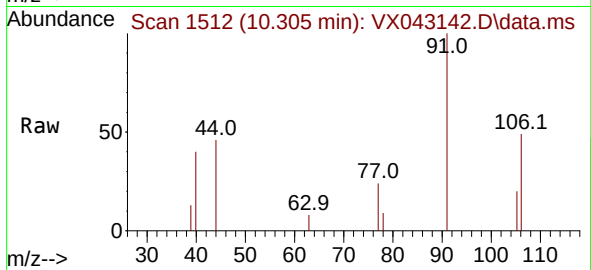




#68
m/p-Xylenes
Concen: 0.239 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

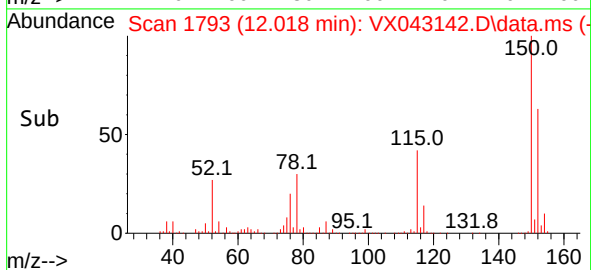
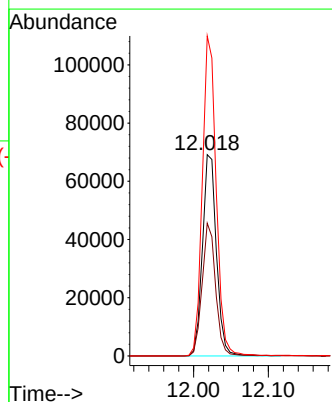
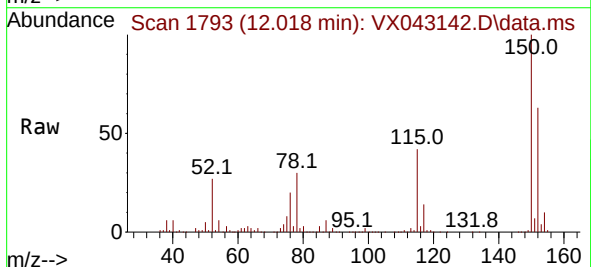
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240919DL

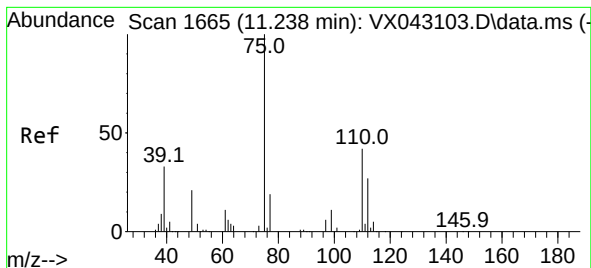
Tgt Ion:106 Resp: 575
Ion Ratio Lower Upper
106 100
91 231.3 167.5 251.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Tgt Ion:152 Resp: 90037
Ion Ratio Lower Upper
152 100
115 63.6 43.7 131.1
150 156.9 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 26.286 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043142.D

Acq: 25 Sep 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

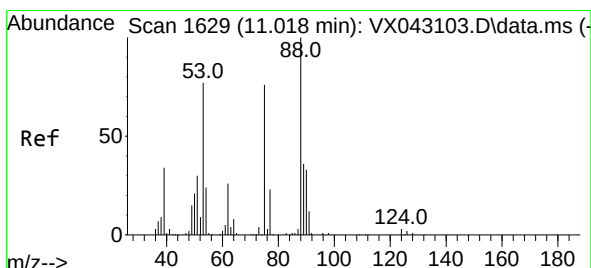
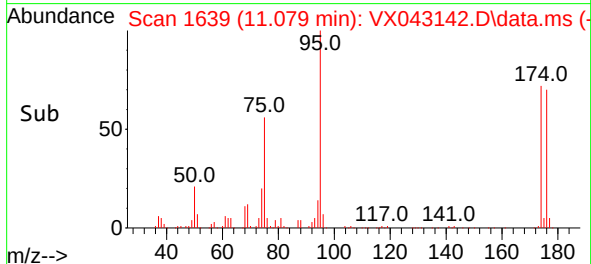
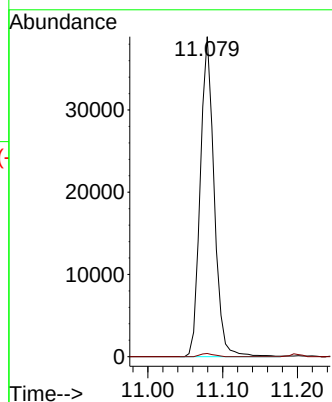
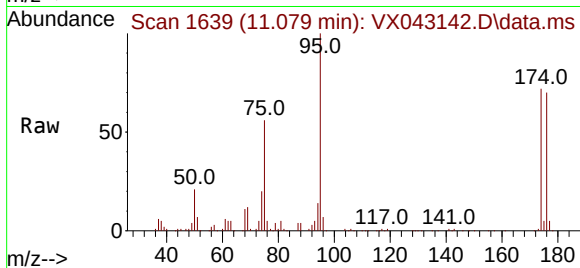
RE134D4-20240919DL

Tgt Ion: 75 Resp: 50318

Ion Ratio Lower Upper

75 100

77 1.0 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.629 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043142.D

Acq: 25 Sep 2024 10:57

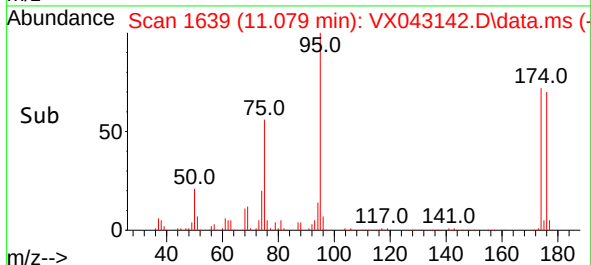
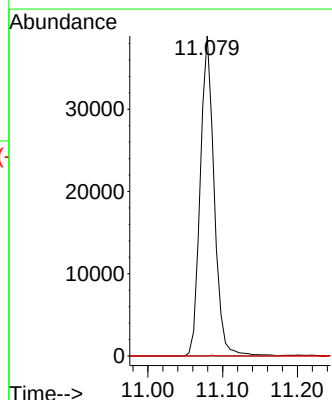
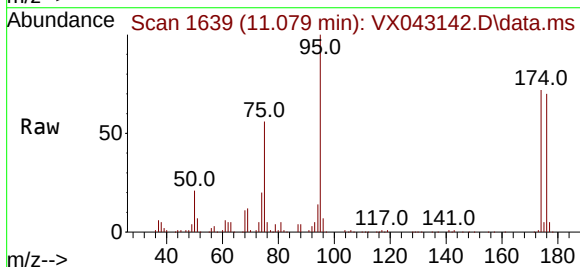
Tgt Ion: 75 Resp: 50318

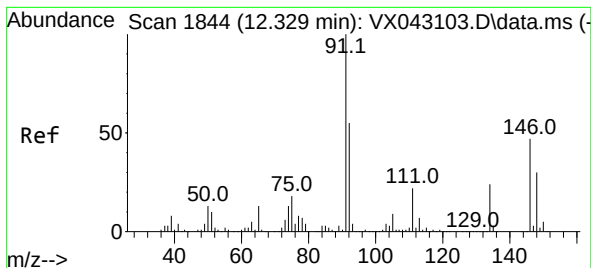
Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.2#

89 0.1 38.8 58.2#





#89

n-Butylbenzene

Concen: 0.203 ug/l

RT: 12.335 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043142.D

Acq: 25 Sep 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20240919DL

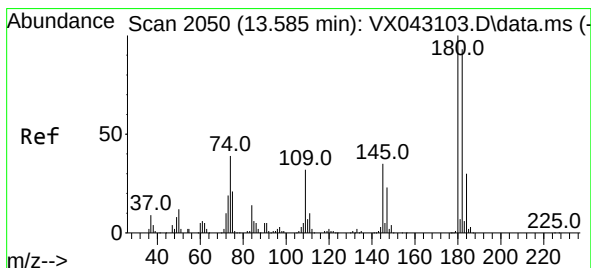
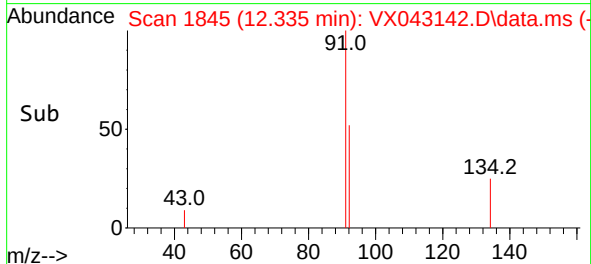
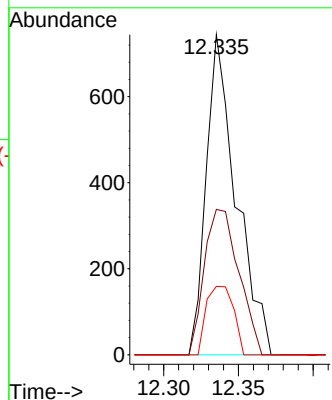
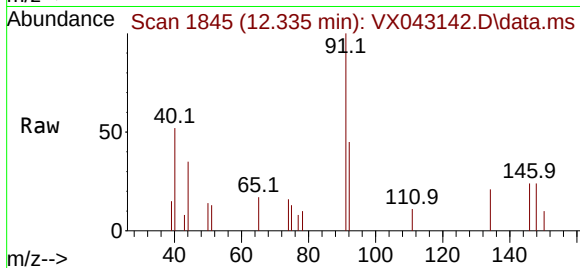
Tgt Ion: 91 Resp: 1037

Ion Ratio Lower Upper

91 100

92 52.3 26.9 80.7

134 19.4 12.6 37.6



#93

1,2,4-Trichlorobenzene

Concen: 0.325 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX043142.D

Acq: 25 Sep 2024 10:57

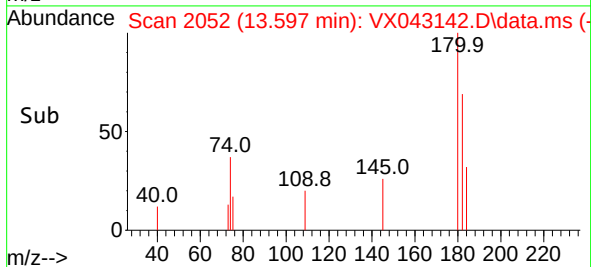
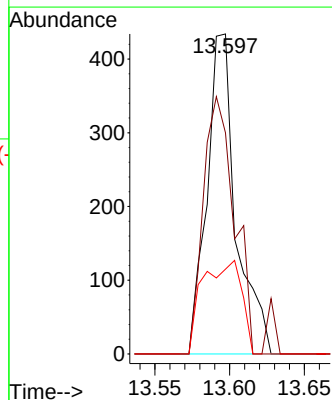
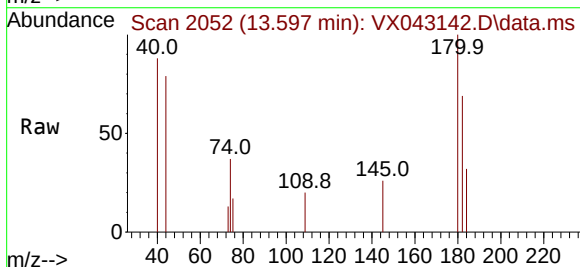
Tgt Ion:180 Resp: 587

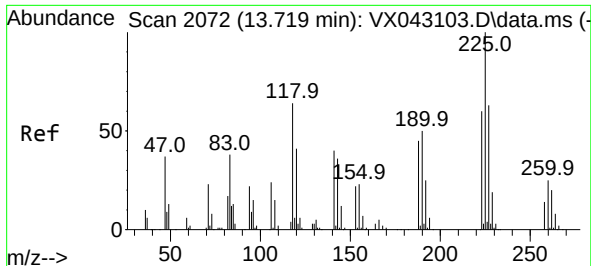
Ion Ratio Lower Upper

180 100

182 86.0 46.7 140.0

145 39.0 17.0 50.9

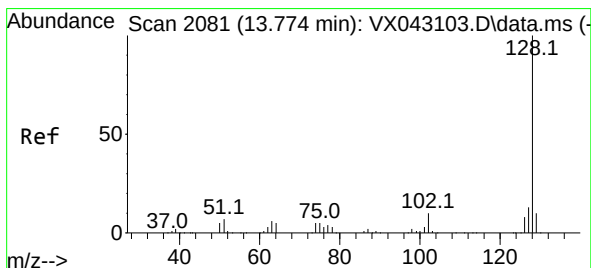
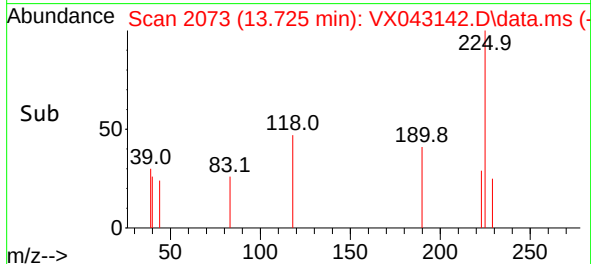
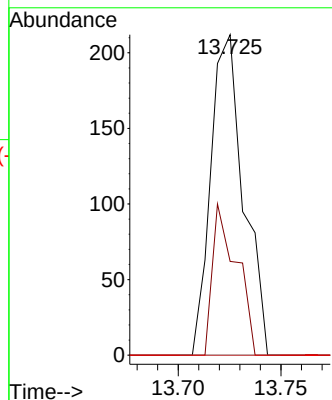
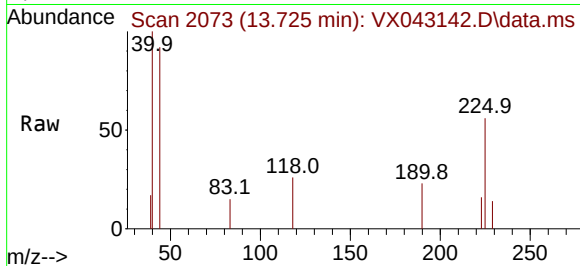




#94
Hexachlorobutadiene
Concen: 0.311 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

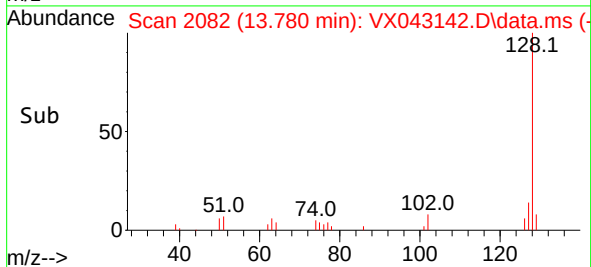
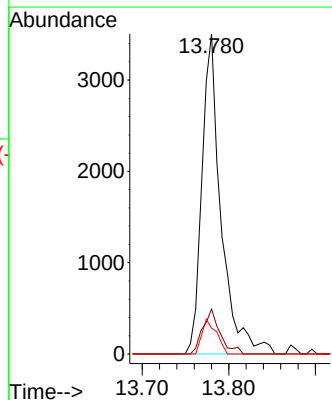
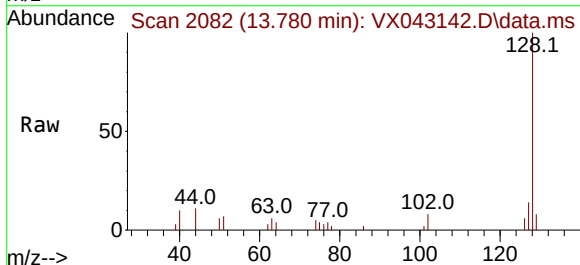
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240919DL

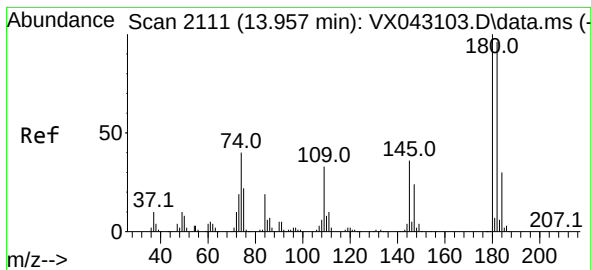
Tgt Ion:	225	Resp:	236
Ion	Ratio	Lower	Upper
225	100		
223	34.7	31.8	95.4
227	0.0	31.9	95.7#



#95
Naphthalene
Concen: 0.855 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043142.D
Acq: 25 Sep 2024 10:57

Tgt Ion:	128	Resp:	5363
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	8.2	8.6	13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.286 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043142.D

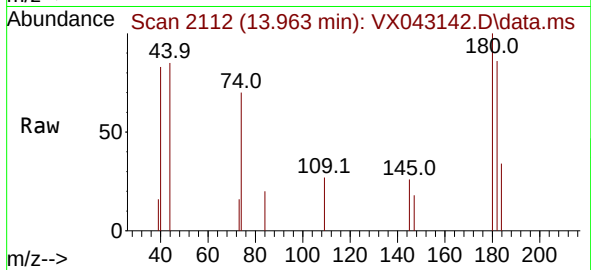
Acq: 25 Sep 2024 10:57

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20240919DL



Tgt Ion:180 Resp: 513

Ion Ratio Lower Upper

180 100

182 82.7 47.8 143.4

145 28.8 17.7 53.1

