

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043152.D
 Acq On : 25 Sep 2024 14:48
 Operator : JC/MD
 Sample : P4164-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20240920

Quant Time: Sep 26 01:35:53 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)

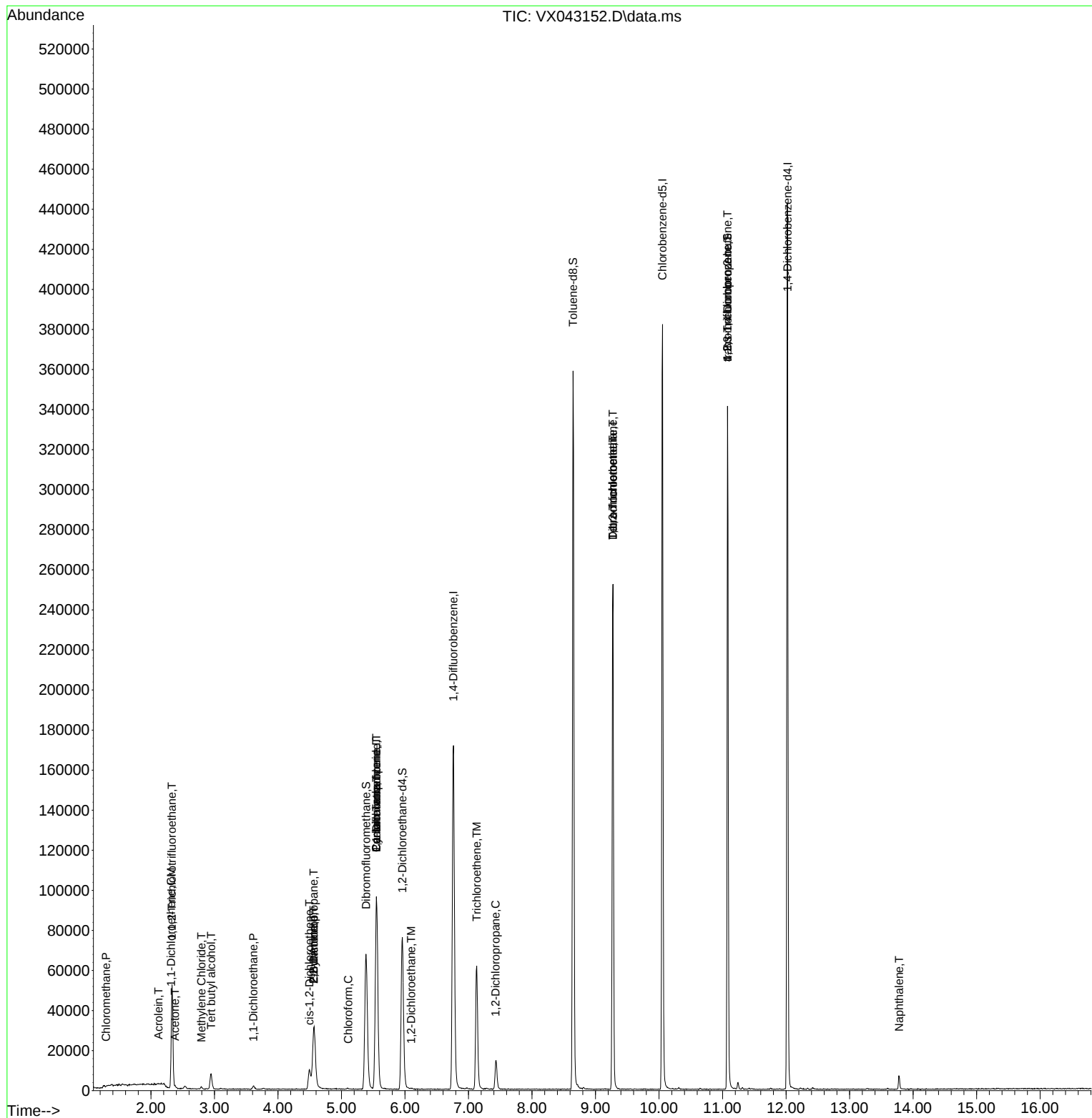
Internal Standards						
1) Pentafluorobenzene	5.550	168	86316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	173355	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76908	53.641	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.280%	
35) Dibromofluoromethane	5.385	113	58953	48.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.420%	
50) Toluene-d8	8.646	98	211399	51.095	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.200%	
62) 4-Bromofluorobenzene	11.079	95	90860	54.532	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	276	0.294	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	19155	20.028	ug/l	99
11) Tert butyl alcohol	2.946	59	4218	13.176	ug/l #	71
12) 1,1-Dichloroethene	2.318	96	775	0.847	ug/l #	83
13) Acrolein	2.117	56	73	1.731	ug/l #	1
16) Acetone	2.379	43	1178	1.757	ug/l	98
20) Methylene Chloride	2.794	84	507	0.475	ug/l #	59
24) 1,1-Dichloroethane	3.611	63	2084	1.133	ug/l #	81
25) 2-Butanone	4.562	43	2205	2.551	ug/l #	49
26) 2,2-Dichloropropane	4.562	77	2499	1.343	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	6118	5.192	ug/l	95
30) Chloroform	5.104	83	493	0.243	ug/l #	70
31) Cyclohexane	5.550	56	2219	1.574	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	7795	5.187	ug/l #	49
37) Ethyl Acetate	4.562	43	2205	1.168	ug/l #	69
38) Carbon Tetrachloride	5.550	117	9632	4.976	ug/l #	18
42) 1,2-Dichloroethane	6.098	62	607	0.322	ug/l #	77
44) Trichloroethene	7.128	130	24505	20.199	ug/l	94
45) 1,2-Dichloropropane	7.427	63	5758	5.214	ug/l	91
55) 1,1,2-Trichloroethane	9.274	97	464	0.395	ug/l #	13
60) Dibromochloromethane	9.274	129	45333	29.526	ug/l #	11
64) Tetrachloroethene	9.274	164	45744	38.015	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	49888	26.323	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	49888	62.717	ug/l #	7
95) Naphthalene	13.780	128	5492	0.884	ug/l	98

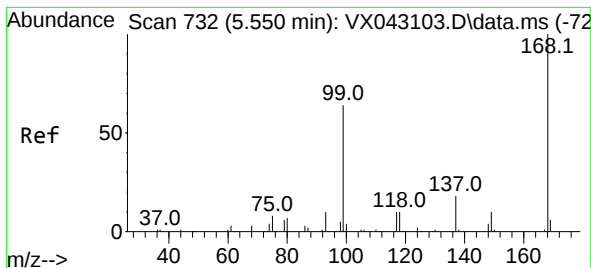
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 71

Delta R.T. -0.000 min

Lab File: VX043152.D

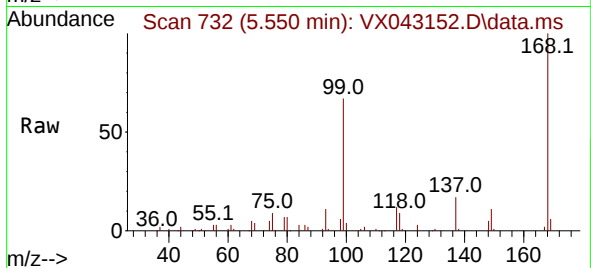
Acq: 25 Sep 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20240920

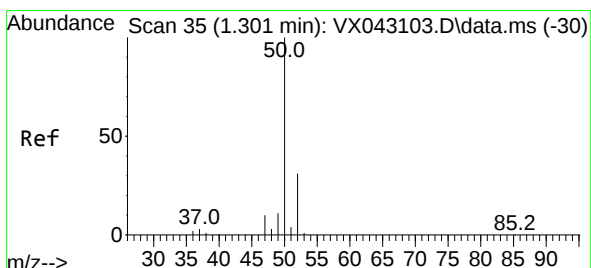
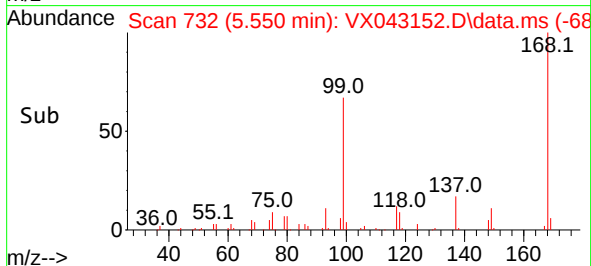
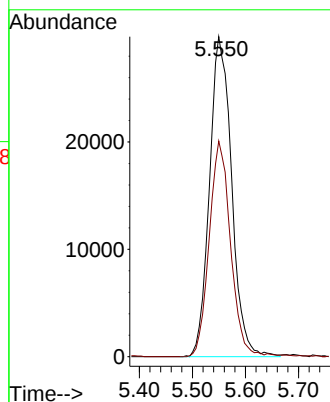


Tgt Ion:168 Resp: 86316

Ion Ratio Lower Upper

168 100

99 67.4 50.8 76.2



#3

Chloromethane

Concen: 0.294 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX043152.D

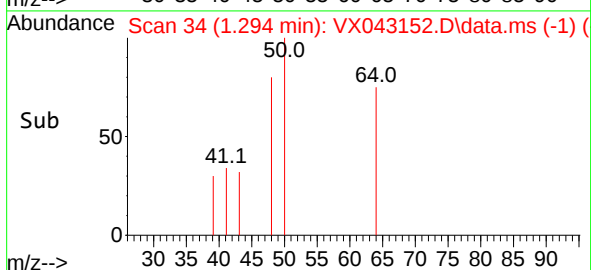
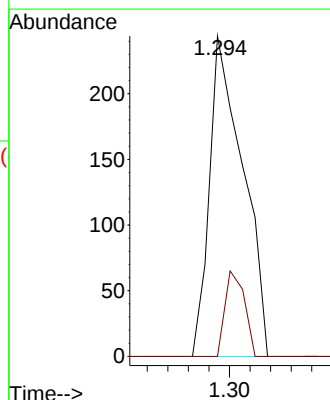
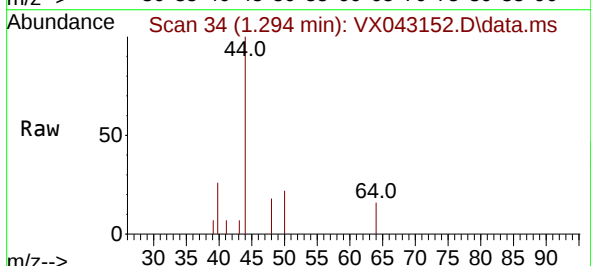
Acq: 25 Sep 2024 14:48

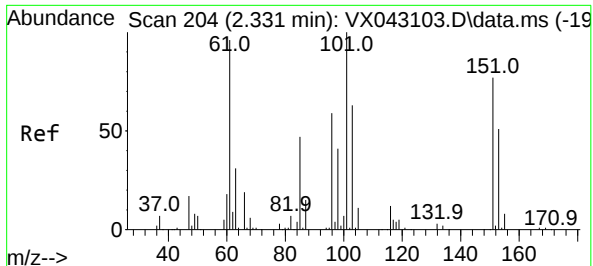
Tgt Ion: 50 Resp: 276

Ion Ratio Lower Upper

50 100

52 0.0 25.1 37.7#

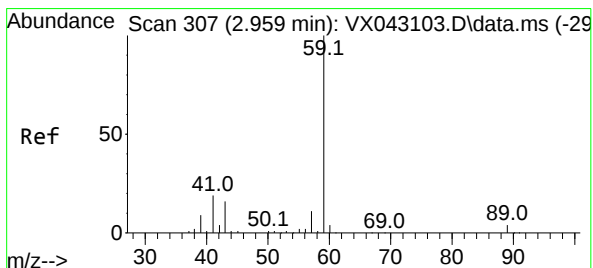
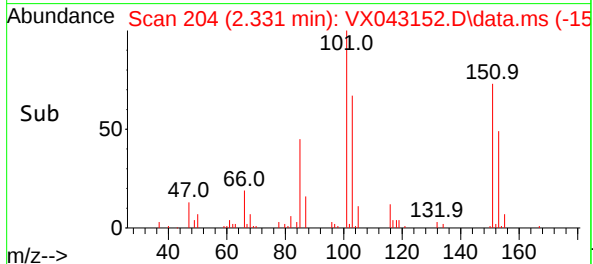
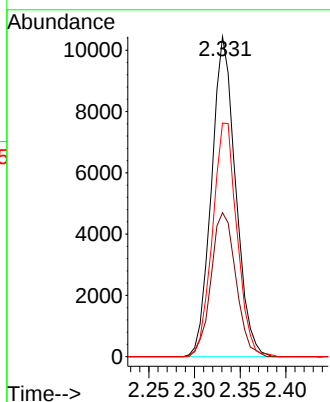
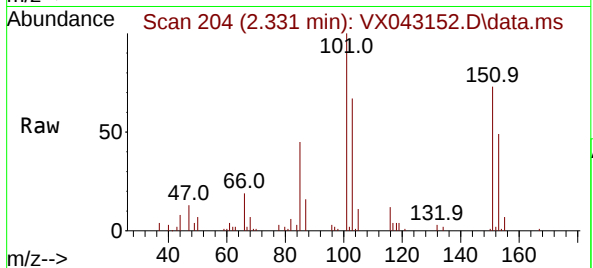




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.028 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

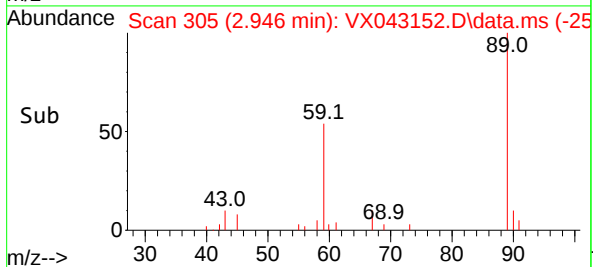
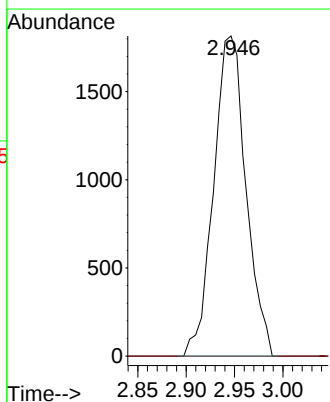
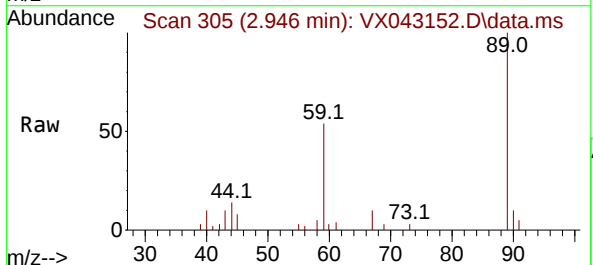
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20240920

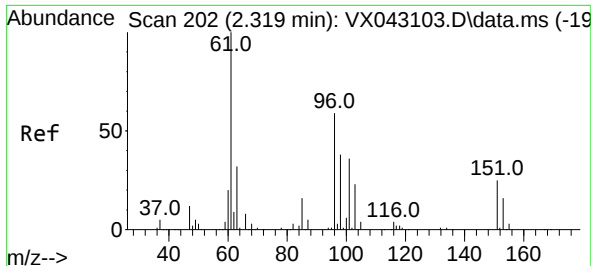
Tgt Ion:101 Resp: 19155
Ion Ratio Lower Upper
101 100
85 46.5 37.0 55.4
151 74.1 60.2 90.4



#11
Tert butyl alcohol
Concen: 13.176 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

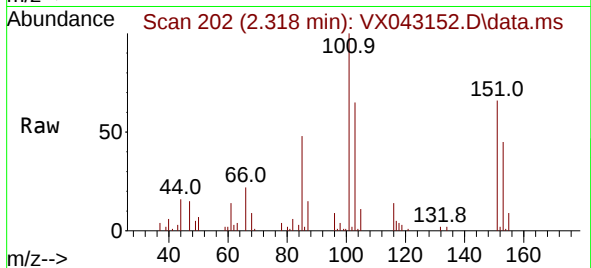
Tgt Ion: 59 Resp: 4218
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



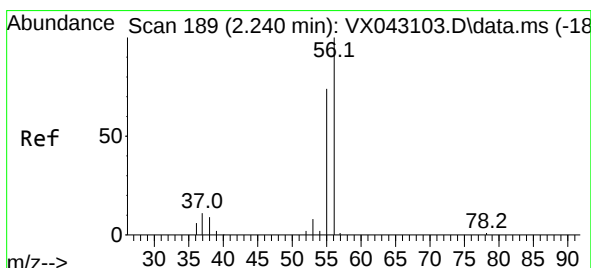
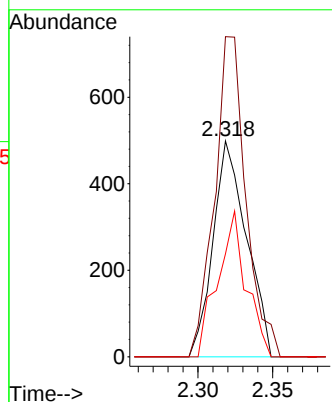
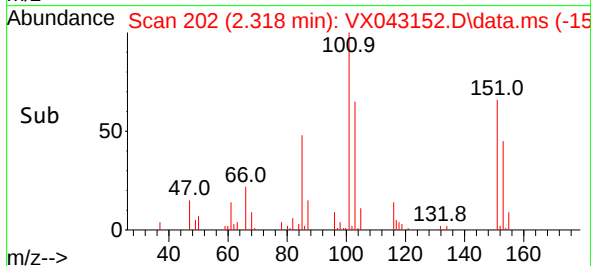


#12
1,1-Dichloroethene
Concen: 0.847 ug/l
RT: 2.318 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20240920

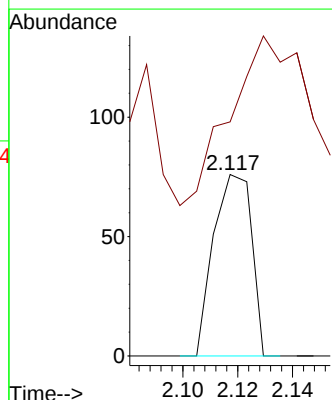
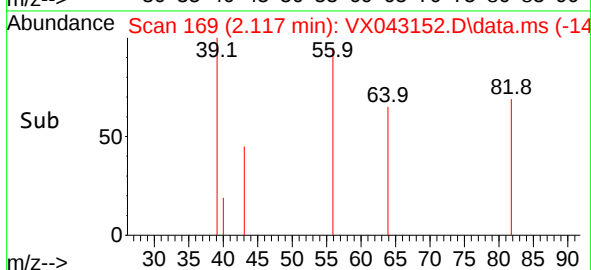
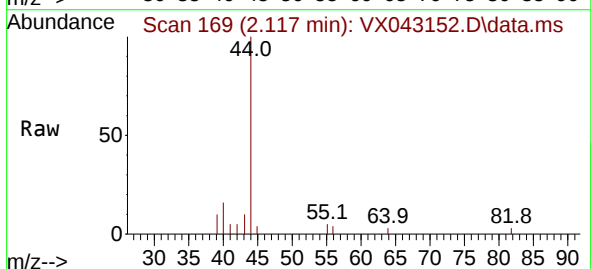


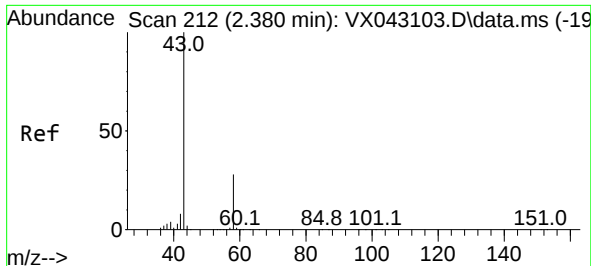
Tgt Ion: 96 Resp: 775
Ion Ratio Lower Upper
96 100
61 148.3 134.7 202.1
98 47.7 51.6 77.4#



#13
Acrolein
Concen: 1.731 ug/l
RT: 2.117 min Scan# 169
Delta R.T. -0.122 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 201.4 55.8 83.6#

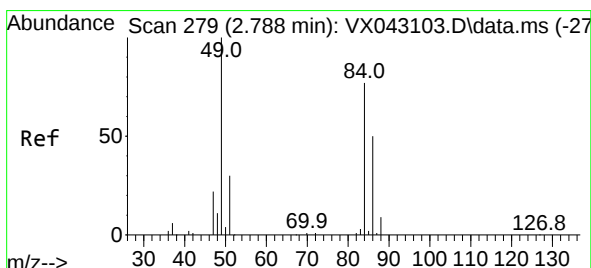
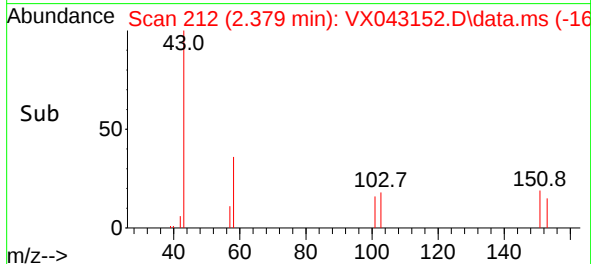
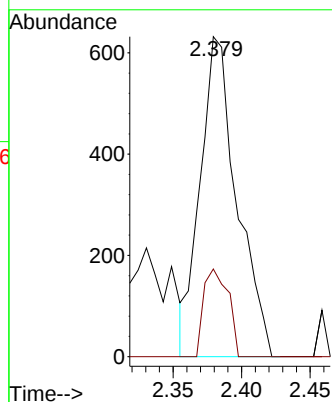
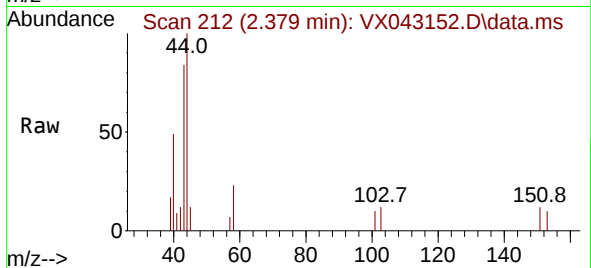




#16
Acetone
Concen: 1.757 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

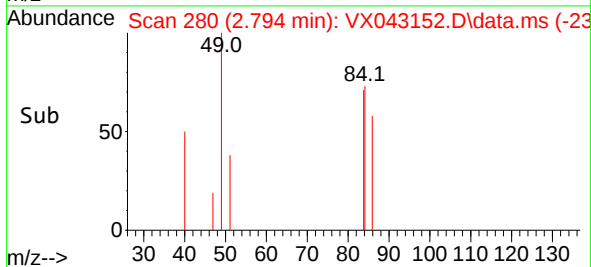
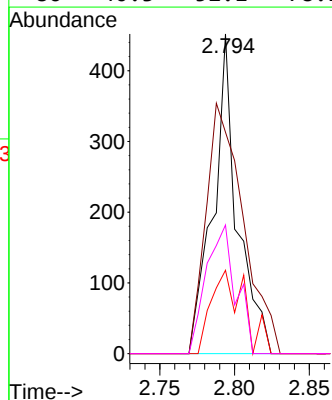
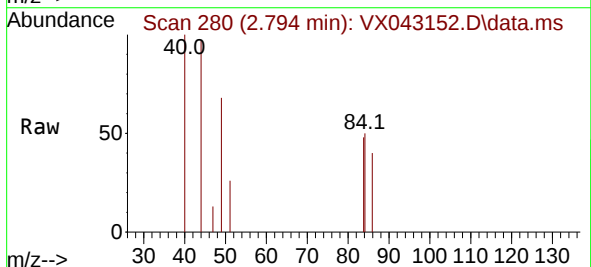
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20240920

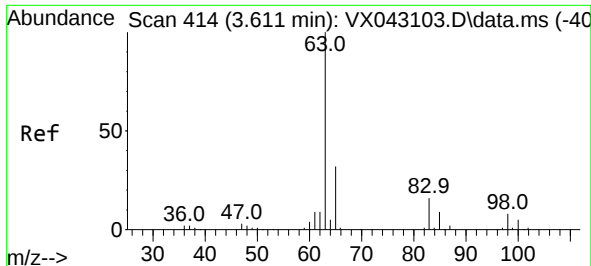
Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
58 27.4 22.6 34.0



#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Tgt Ion: 84 Resp: 507
Ion Ratio Lower Upper
84 100
49 69.2 104.1 156.1#
51 26.1 31.1 46.7#
86 40.3 52.1 78.1#

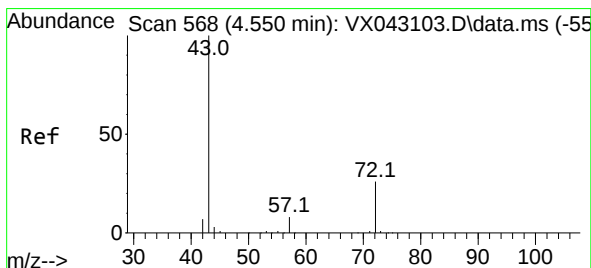
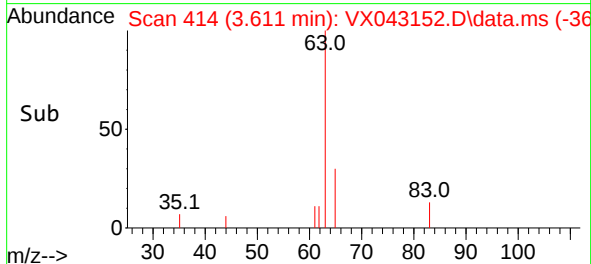
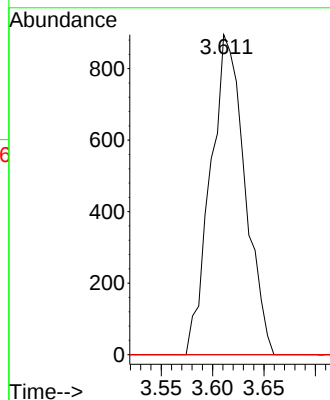
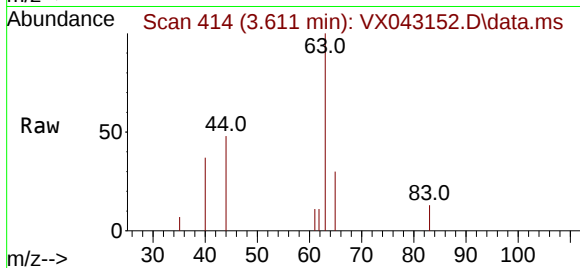




#24
 1,1-Dichloroethane
 Concen: 1.133 ug/l
 RT: 3.611 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX043152.D
 Acq: 25 Sep 2024 14:48

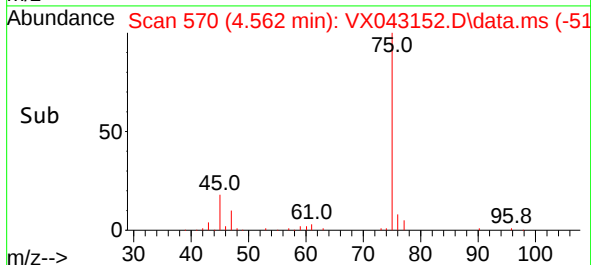
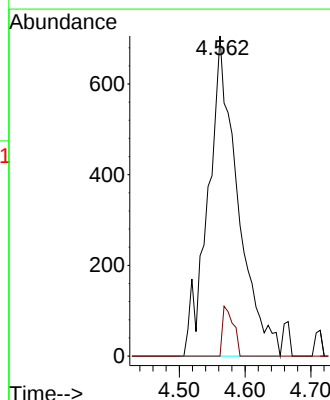
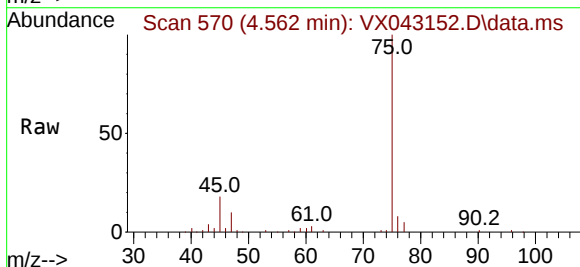
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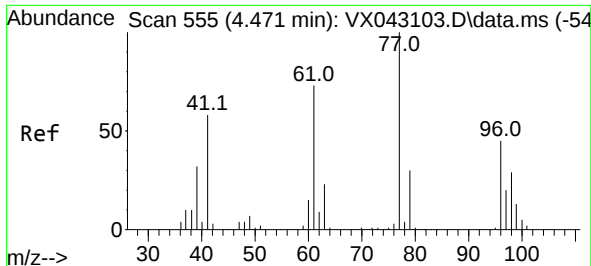
Tgt Ion: 63 Resp: 2084
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.5#
 100 0.0 2.5 7.6#



#25
 2-Butanone
 Concen: 2.551 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. 0.012 min
 Lab File: VX043152.D
 Acq: 25 Sep 2024 14:48

Tgt Ion: 43 Resp: 2205
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.7 31.1#

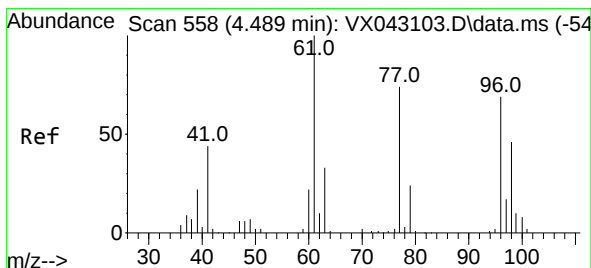
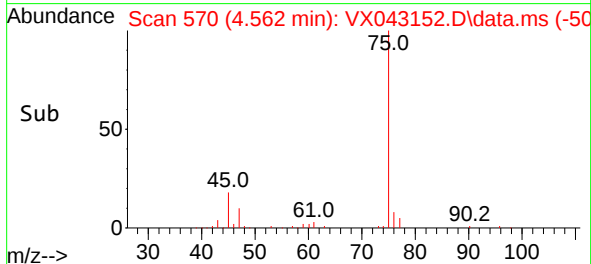
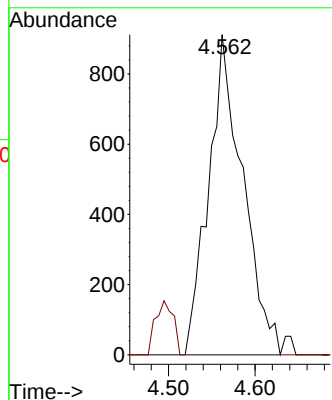
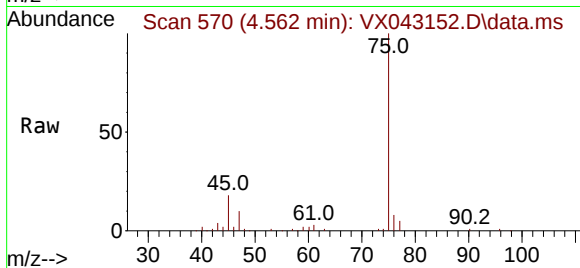




#26
2,2-Dichloropropane
Concen: 1.343 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.091 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

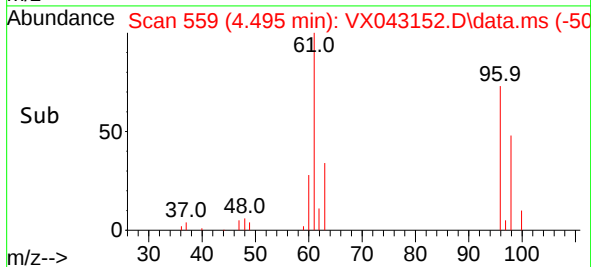
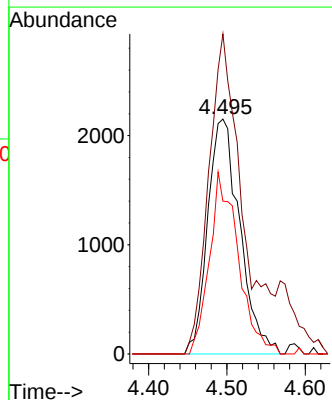
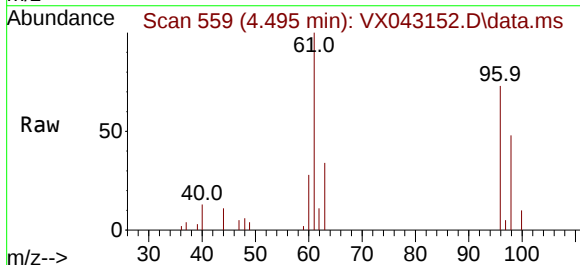
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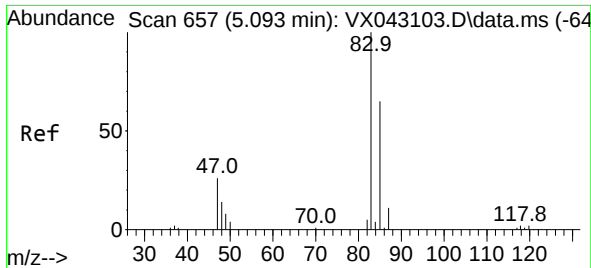
Tgt Ion: 77 Resp: 2499
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#27
cis-1,2-Dichloroethene
Concen: 5.192 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Tgt Ion: 96 Resp: 6118
Ion Ratio Lower Upper
96 100
61 142.6 0.0 297.8
98 69.7 0.0 131.2

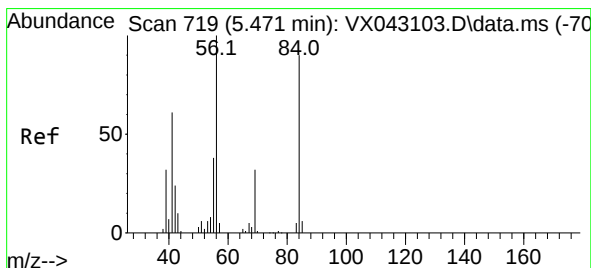
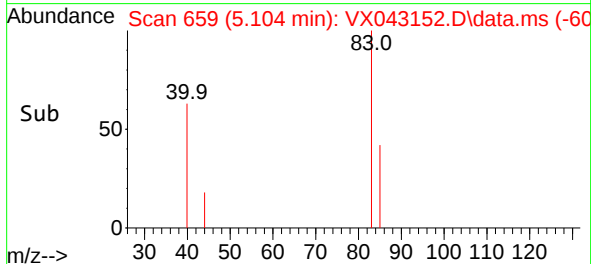
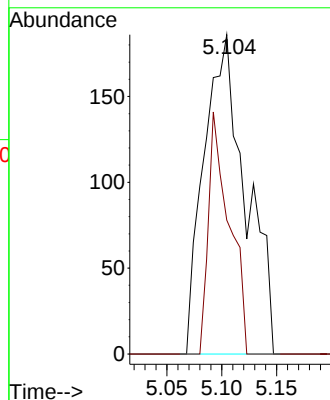
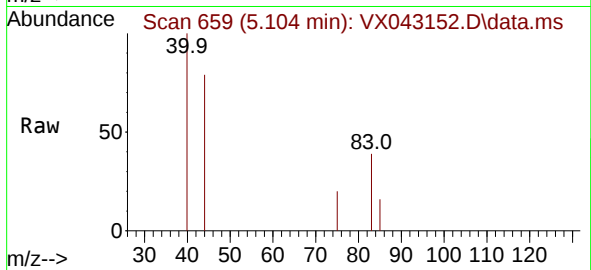




#30
Chloroform
Concen: 0.243 ug/l
RT: 5.104 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

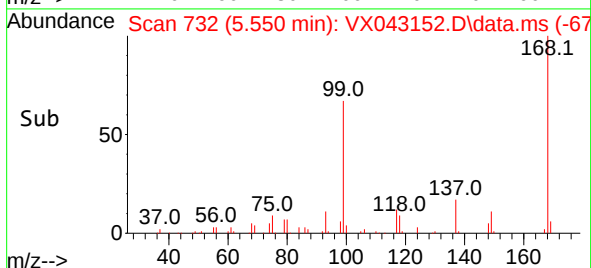
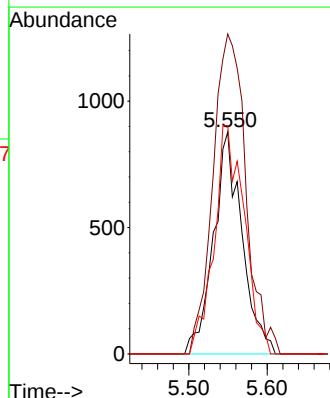
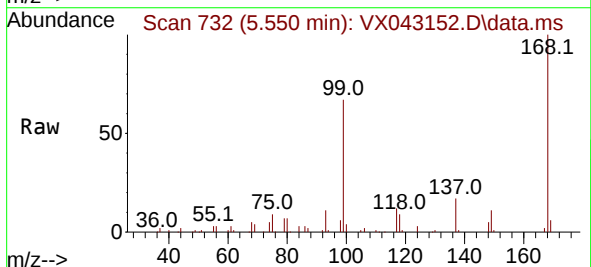
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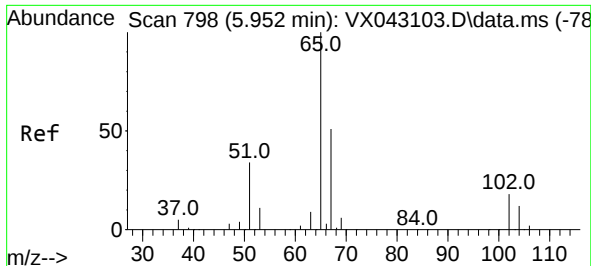
Tgt Ion: 83 Resp: 493
Ion Ratio Lower Upper
83 100
85 41.9 52.4 78.6#



#31
Cyclohexane
Concen: 1.574 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Tgt Ion: 56 Resp: 2219
Ion Ratio Lower Upper
56 100
69 144.2 25.8 38.6#
84 103.0 72.4 108.6





#33

1,2-Dichloroethane-d4

Concen: 53.641 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043152.D

Acq: 25 Sep 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :

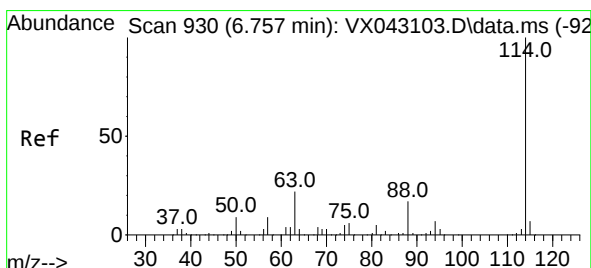
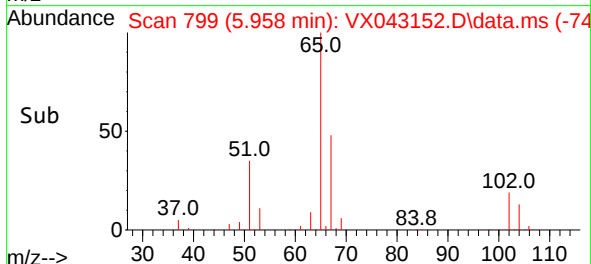
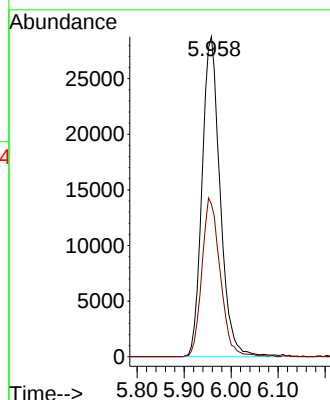
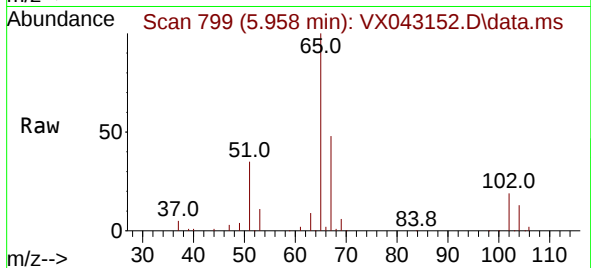
RE135D3-20240920

Tgt Ion: 65 Resp: 76908

Ion Ratio Lower Upper

65 100

67 50.2 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: VX043152.D

Acq: 25 Sep 2024 14:48

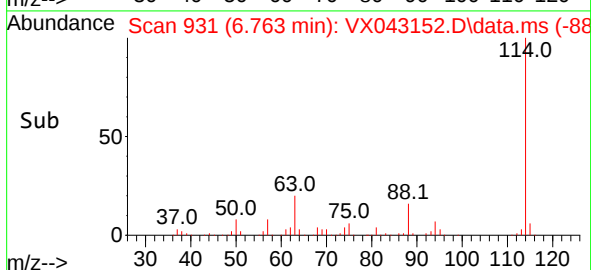
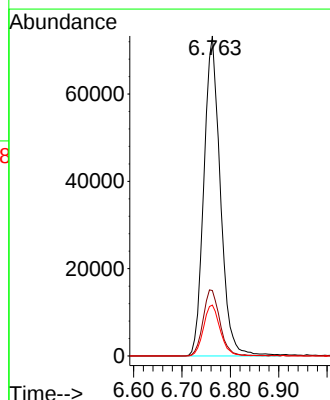
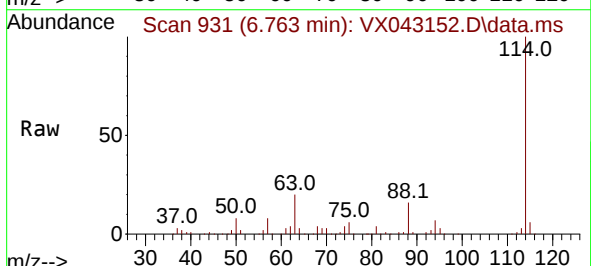
Tgt Ion: 114 Resp: 173355

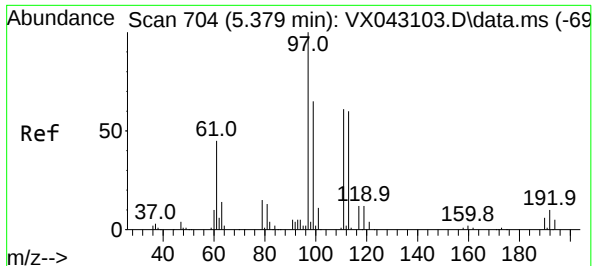
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.207 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043152.D

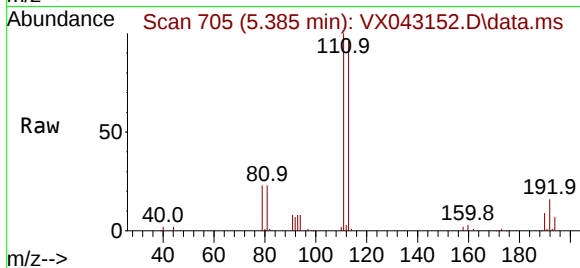
Acq: 25 Sep 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20240920



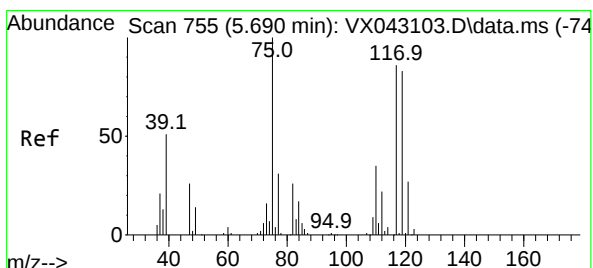
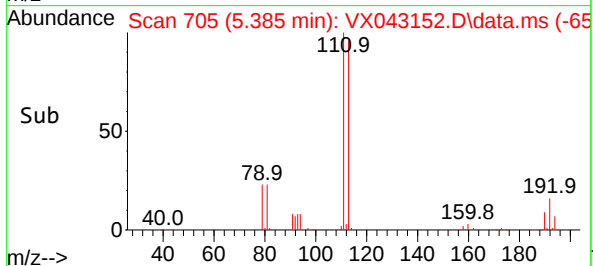
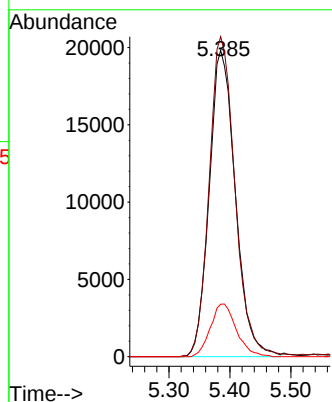
Tgt Ion:113 Resp: 58953

Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 17.2 14.6 22.0



#36

1,1-Dichloropropene

Concen: 5.187 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX043152.D

Acq: 25 Sep 2024 14:48

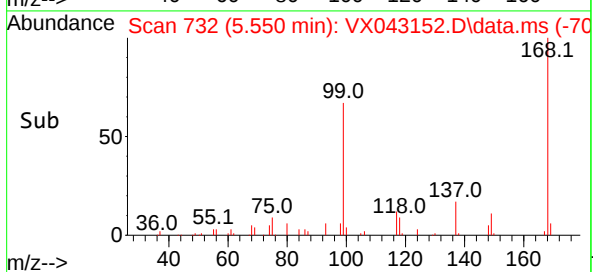
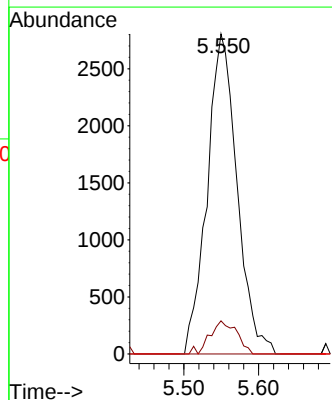
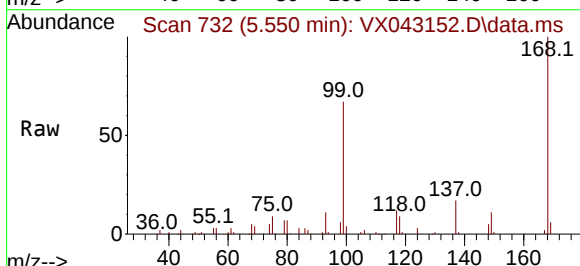
Tgt Ion: 75 Resp: 7795

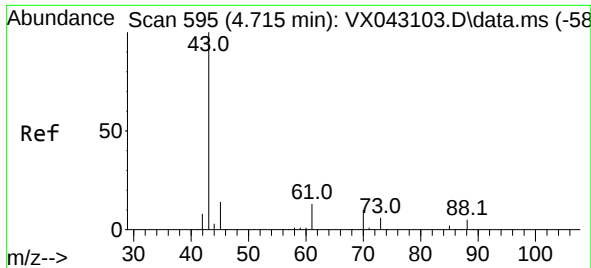
Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.168 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.153 min

Lab File: VX043152.D

Acq: 25 Sep 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20240920

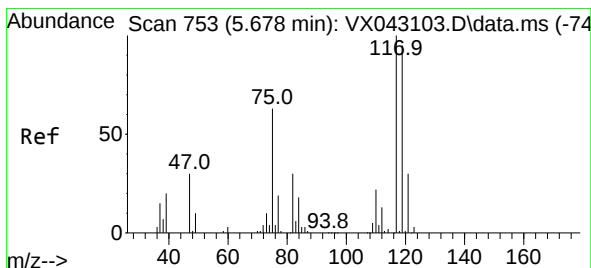
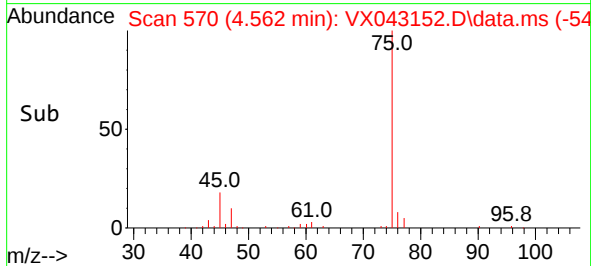
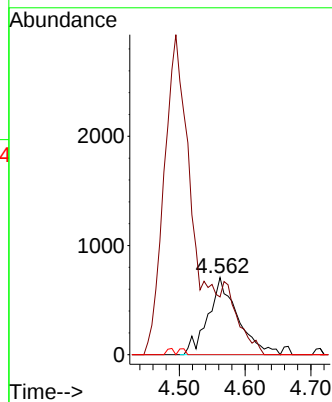
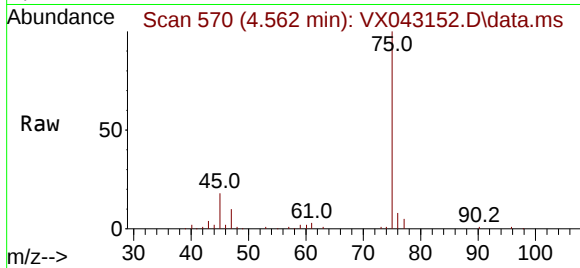
Tgt Ion: 43 Resp: 2205

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

70 0.0 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 4.976 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX043152.D

Acq: 25 Sep 2024 14:48

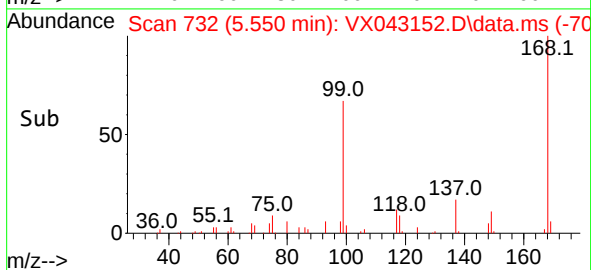
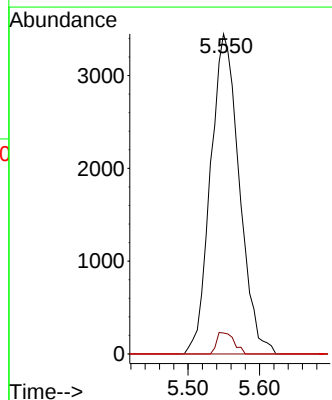
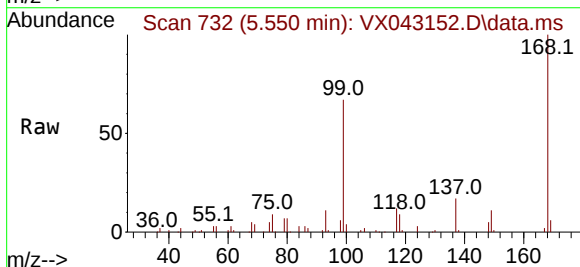
Tgt Ion: 117 Resp: 9632

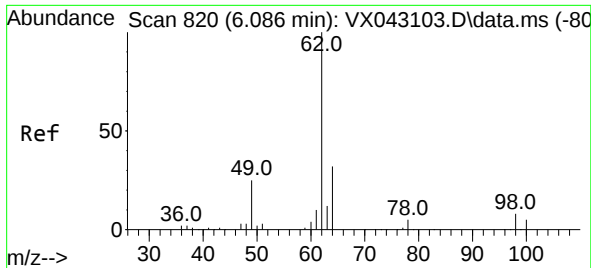
Ion Ratio Lower Upper

117 100

119 6.6 75.5 113.3#

121 0.0 24.2 36.2#

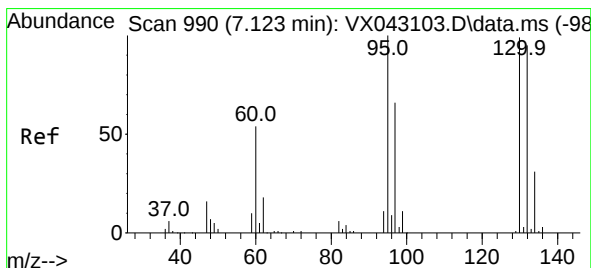
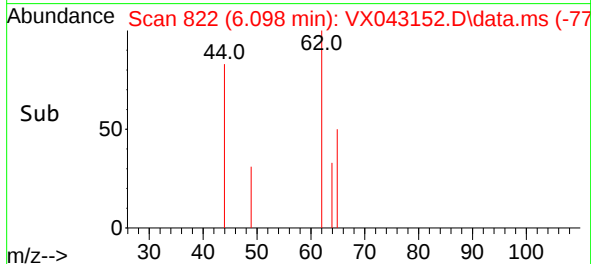
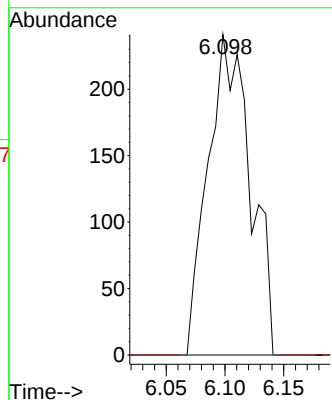
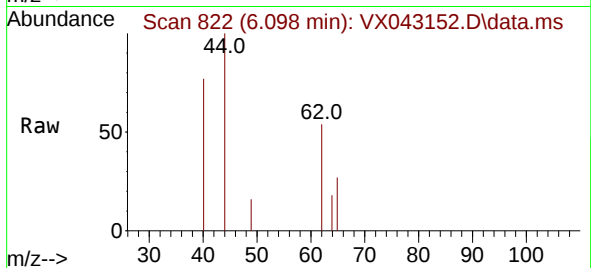




#42
1,2-Dichloroethane
Concen: 0.322 ug/l
RT: 6.098 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

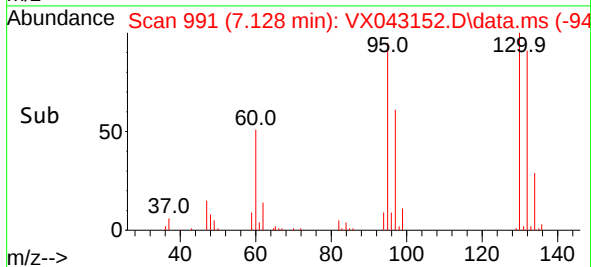
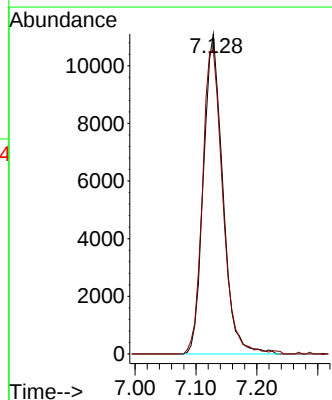
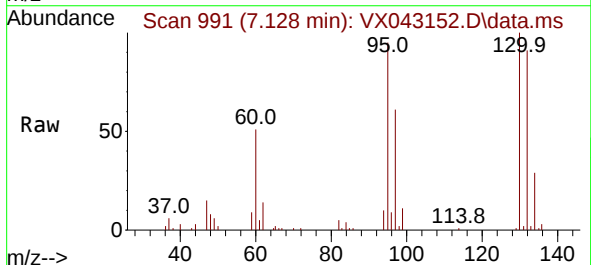
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20240920

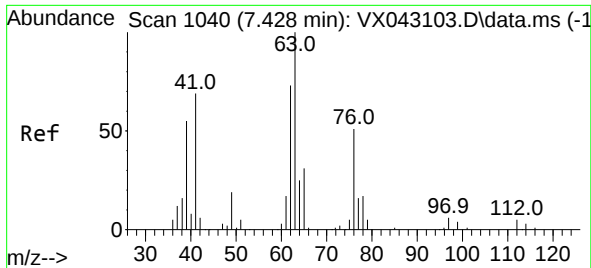
Tgt Ion: 62 Resp: 607
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#44
Trichloroethene
Concen: 20.199 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Tgt Ion:130 Resp: 24505
Ion Ratio Lower Upper
130 100
95 95.1 0.0 201.6





#45

1,2-Dichloropropane

Concen: 5.214 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX043152.D

Acq: 25 Sep 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :

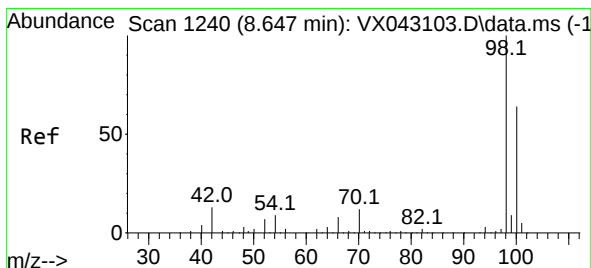
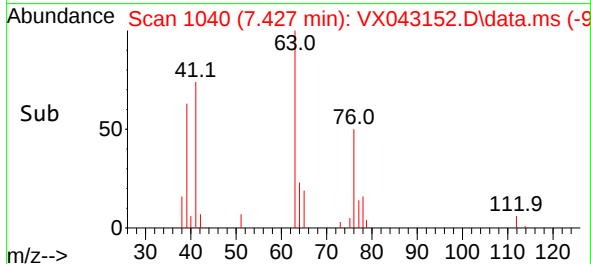
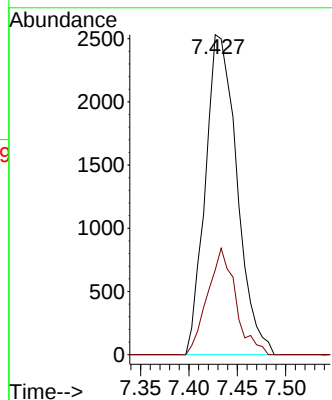
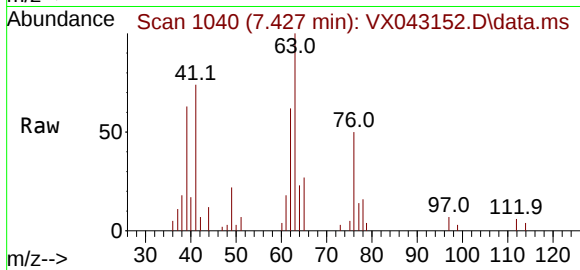
RE135D3-20240920

Tgt Ion: 63 Resp: 5758

Ion Ratio Lower Upper

63 100

65 26.5 25.0 37.6



#50

Toluene-d8

Concen: 51.095 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043152.D

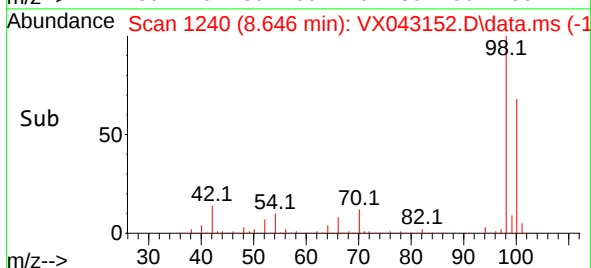
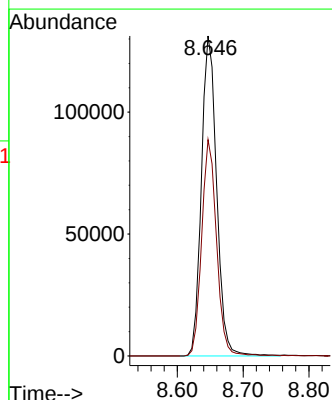
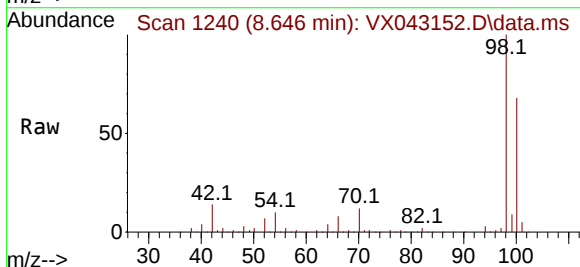
Acq: 25 Sep 2024 14:48

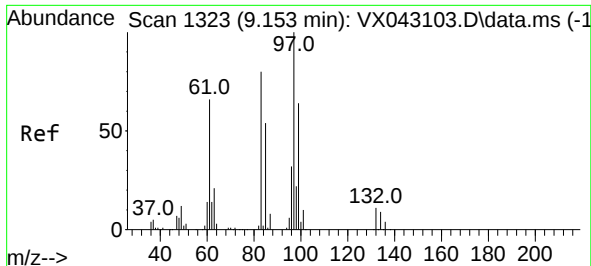
Tgt Ion: 98 Resp: 211399

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 0.395 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. 0.122 min

Lab File: VX043152.D

Acq: 25 Sep 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20240920

Tgt Ion: 97 Resp: 464

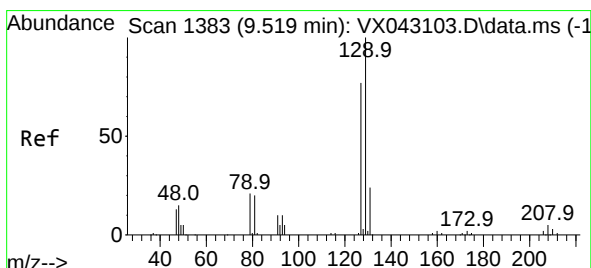
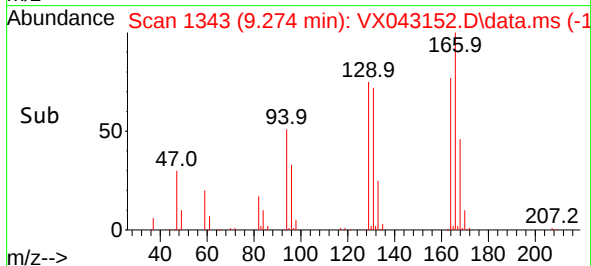
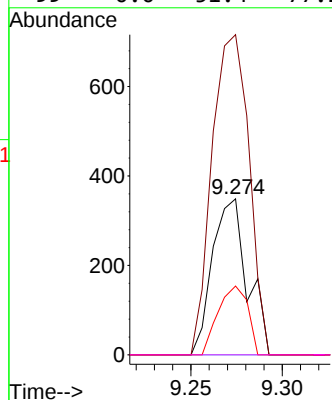
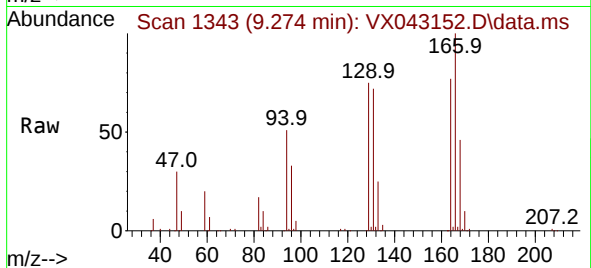
Ion Ratio Lower Upper

97 100

83 205.2 64.2 96.4#

85 44.1 43.0 64.6

99 0.0 51.4 77.2#



#60

Dibromochloromethane

Concen: 29.526 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX043152.D

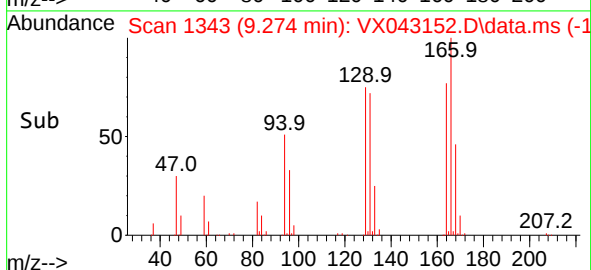
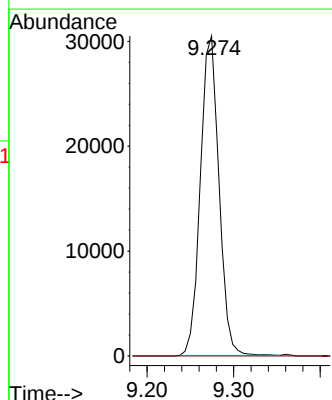
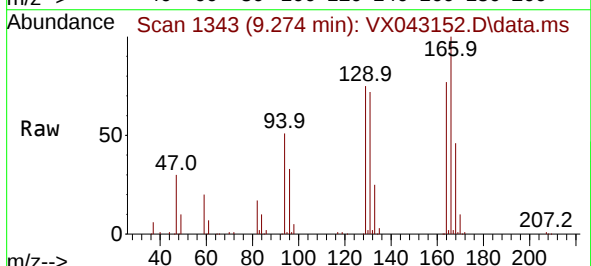
Acq: 25 Sep 2024 14:48

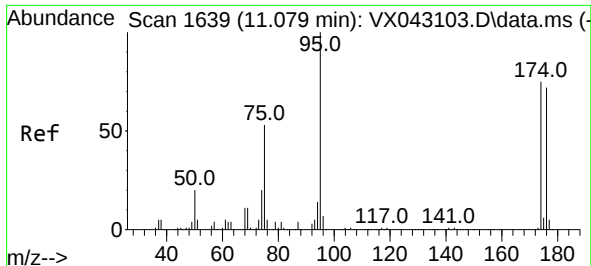
Tgt Ion: 129 Resp: 45333

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#

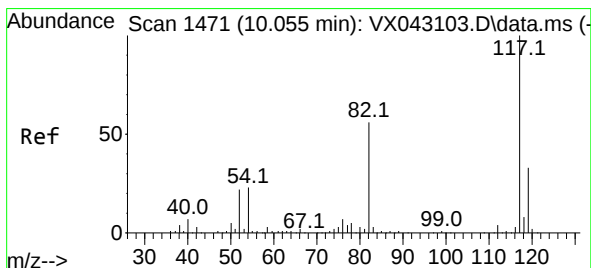
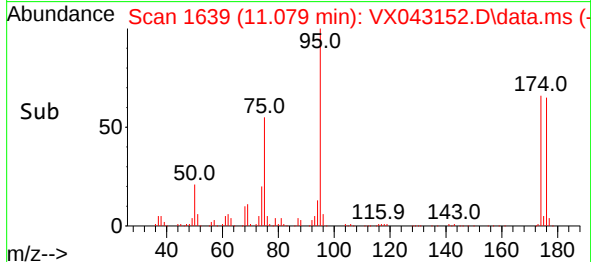
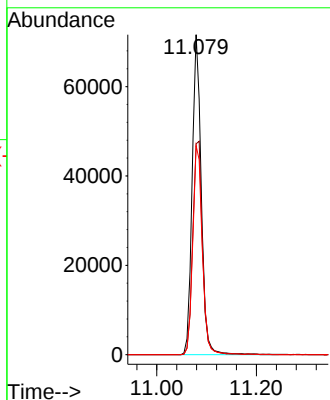
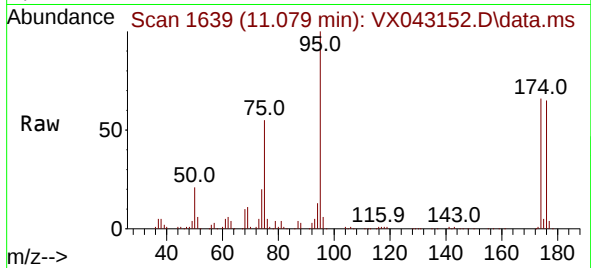




#62
4-Bromofluorobenzene
Concen: 54.532 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

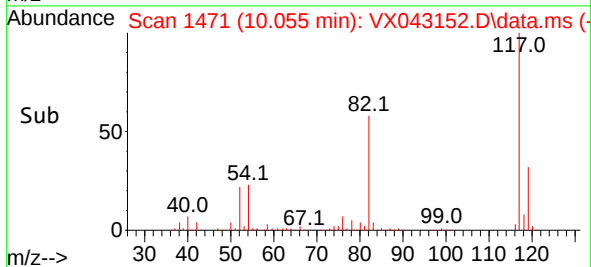
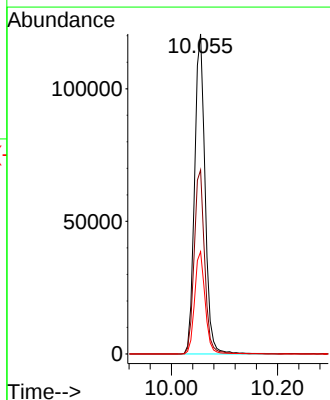
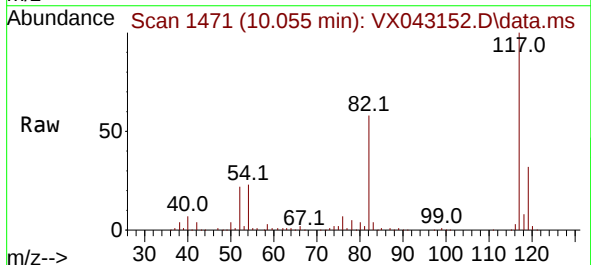
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20240920

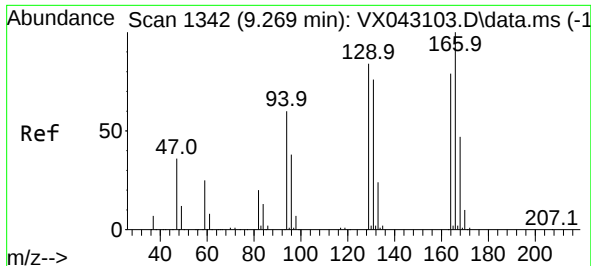
Tgt Ion: 95 Resp: 90860
Ion Ratio Lower Upper
95 100
174 71.0 0.0 146.0
176 68.3 0.0 142.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Tgt Ion: 117 Resp: 166079
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 31.9 26.3 39.5

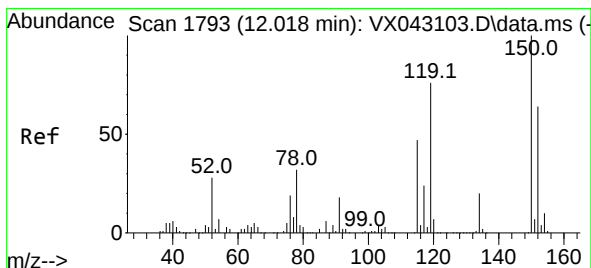
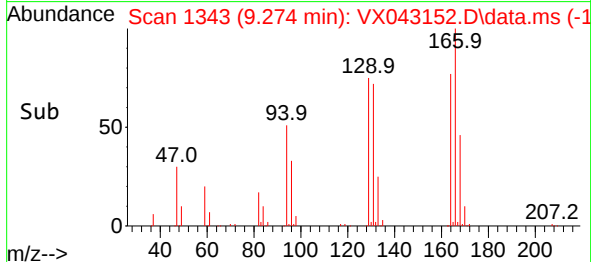
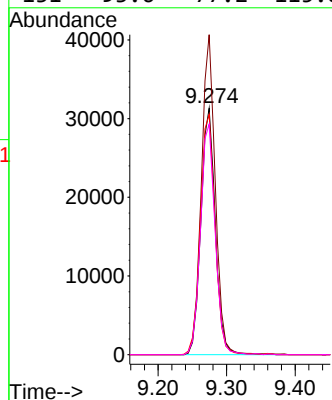
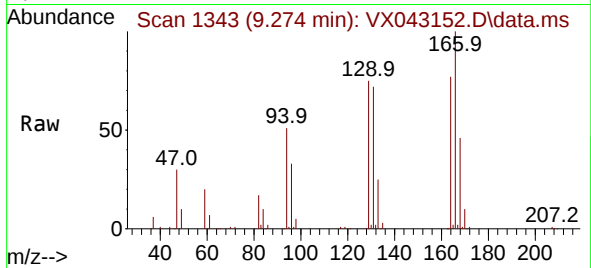




#64
Tetrachloroethene
Concen: 38.015 ug/l
RT: 9.274 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

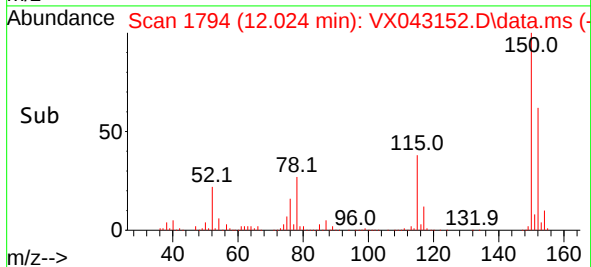
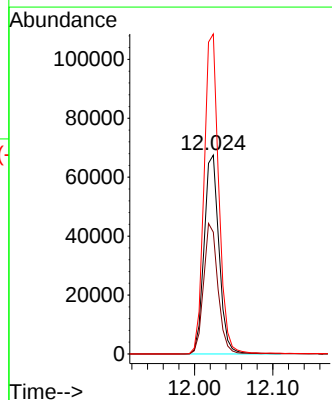
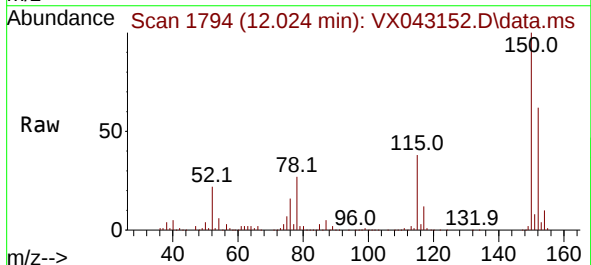
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20240920

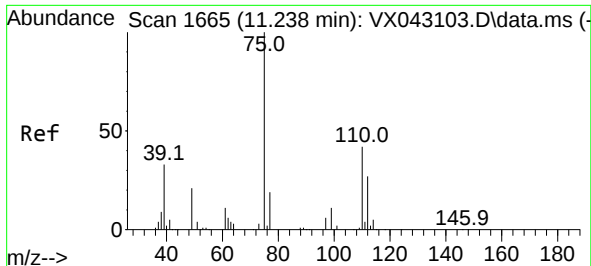
Tgt Ion:164	Resp:	45744
Ion	Ratio	Lower Upper
164	100	
166	129.8	101.2 151.8
129	97.4	84.7 127.1
131	93.6	77.2 115.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Tgt Ion:152	Resp:	89142
Ion	Ratio	Lower Upper
152	100	
115	63.5	43.7 131.1
150	158.4	0.0 344.6

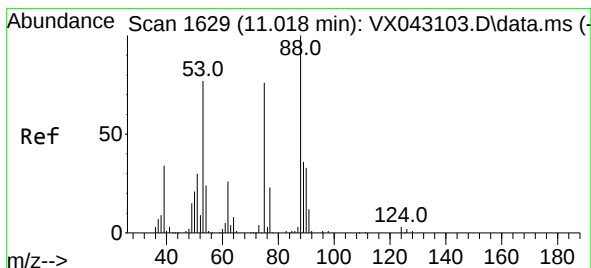
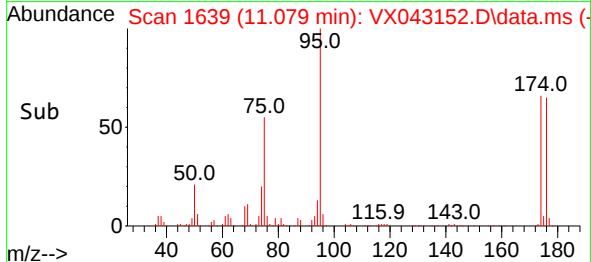
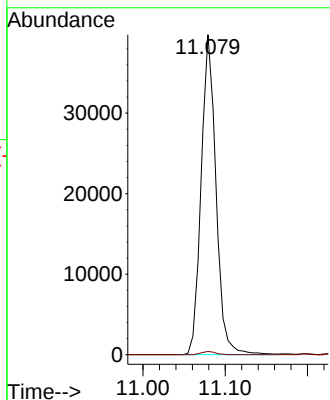
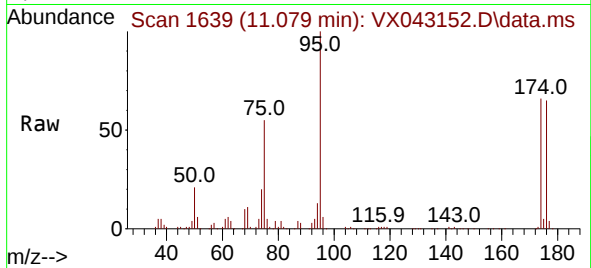




#76
1,2,3-Trichloropropane
Concen: 26.323 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

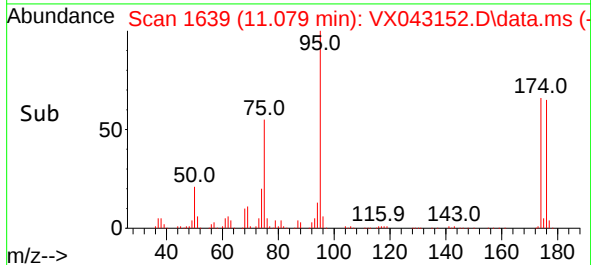
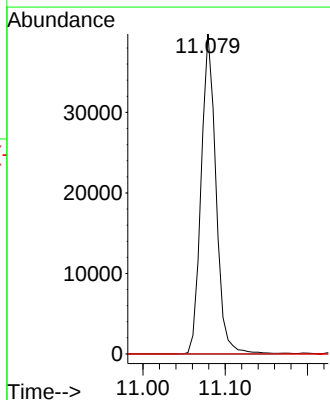
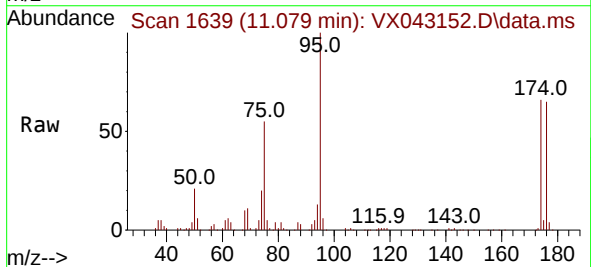
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20240920

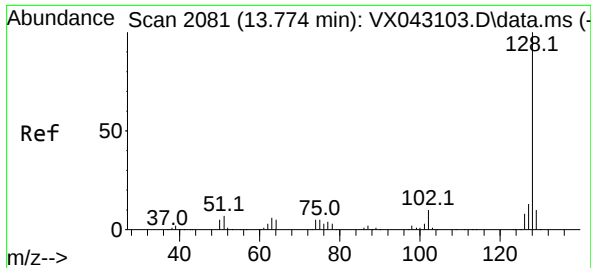
Tgt Ion: 75 Resp: 49888
Ion Ratio Lower Upper
75 100
77 1.0 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.717 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

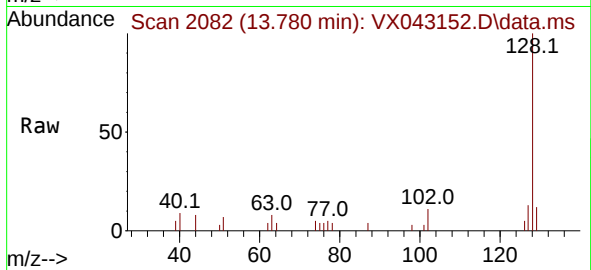
Tgt Ion: 75 Resp: 49888
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#





#95
 Naphthalene
 Concen: 0.884 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX043152.D
 Acq: 25 Sep 2024 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20240920



Tgt Ion:128 Resp: 5492
 Ion Ratio Lower Upper
 128 100
 127 11.2 10.2 15.4
 129 10.8 8.6 13.0

