

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 :

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)

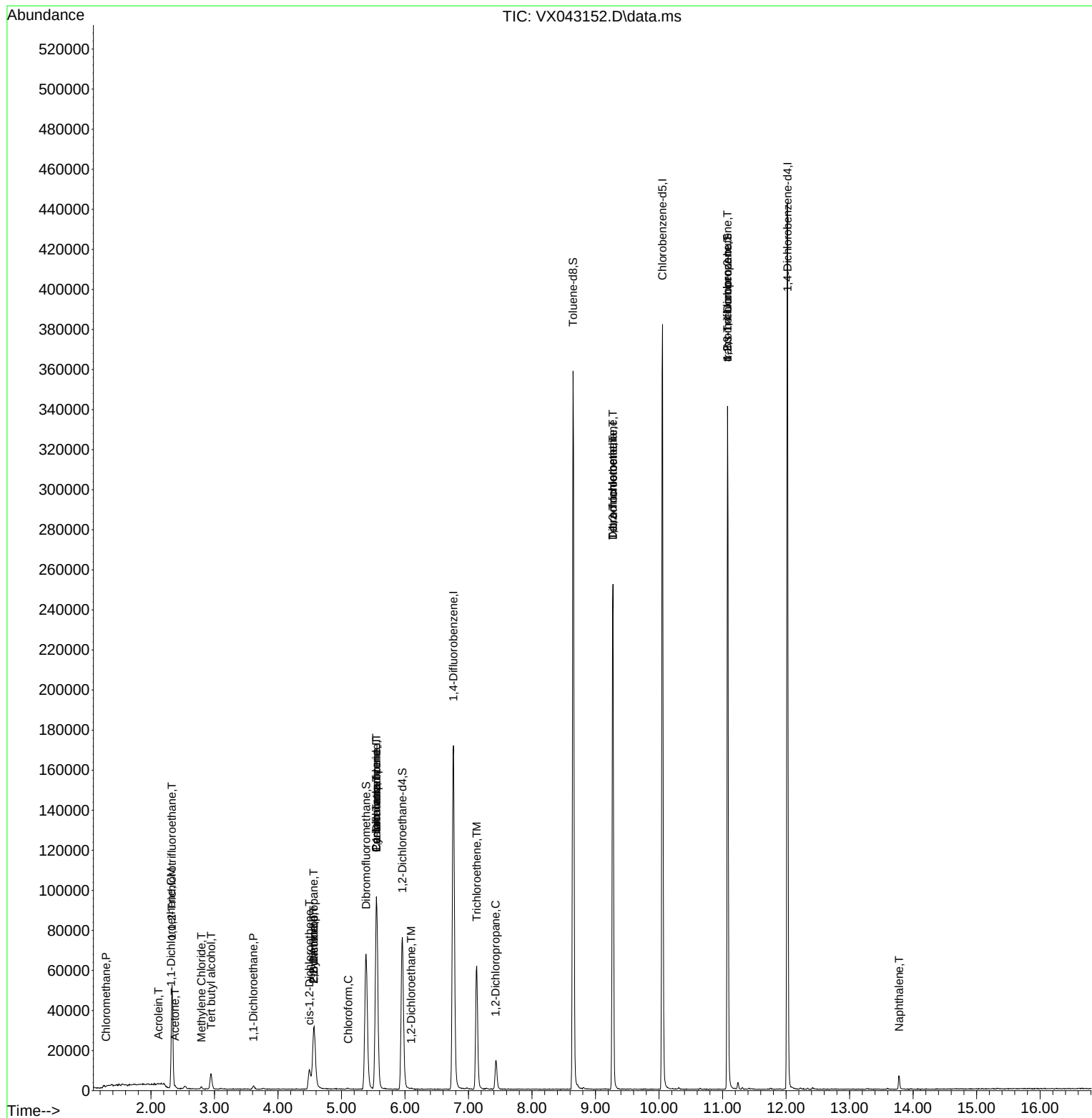
Internal Standards						
1) Pentafluorobenzene	5.550	168	86316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	173355	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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

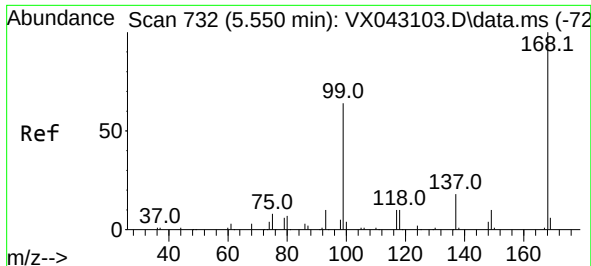
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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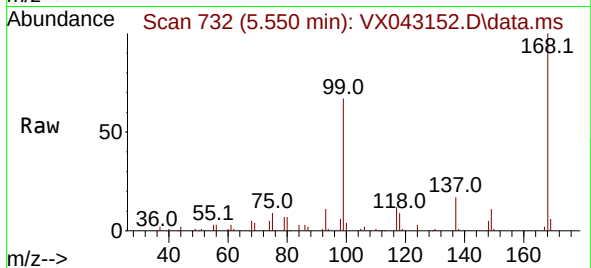


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

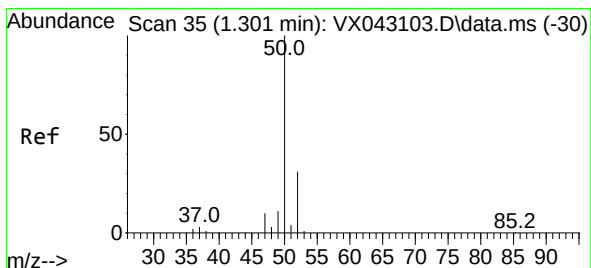
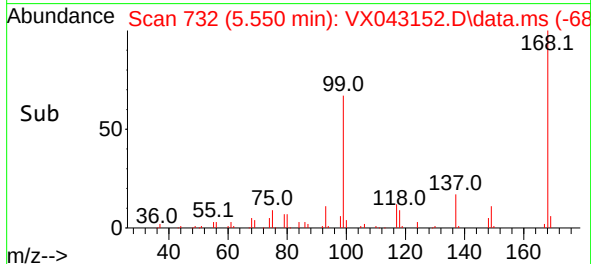
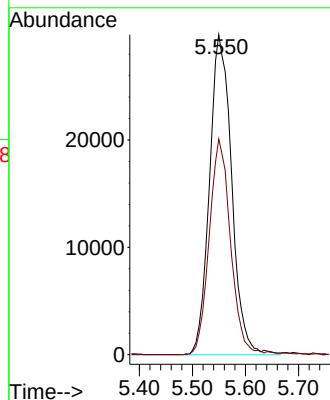
Instrument :

MSVOA_X

ClientSampleId :

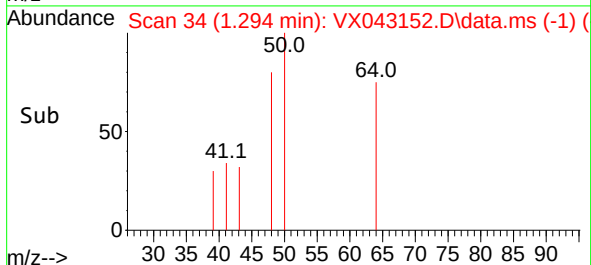
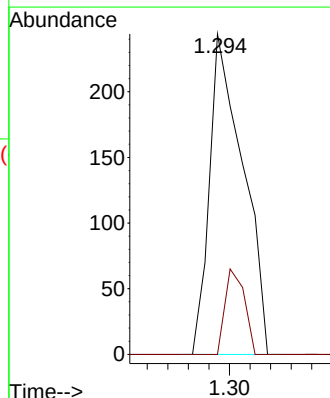
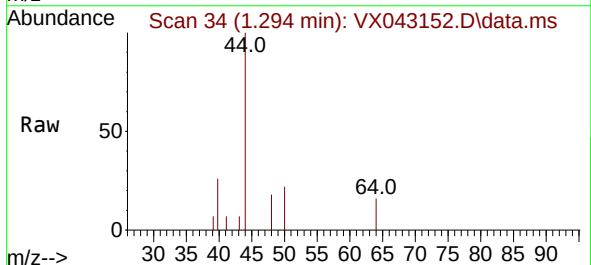


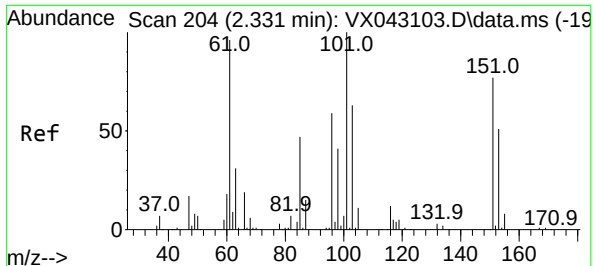
Tgt Ion:168 Resp: 86316
Ion Ratio Lower Upper
168 100
99 67.4 50.8 76.2



#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#

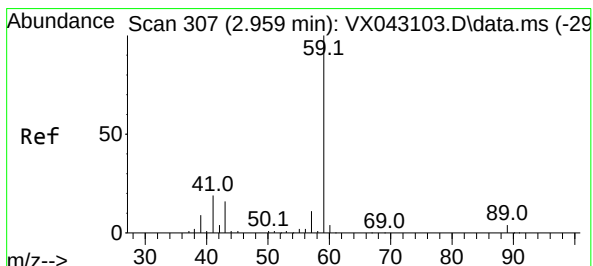
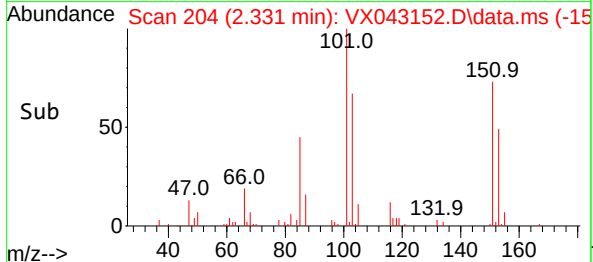
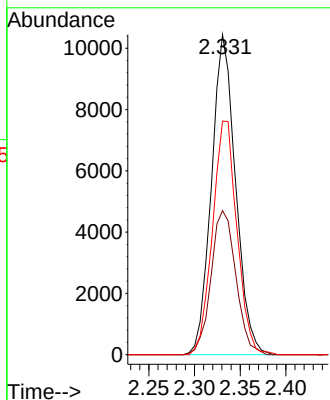
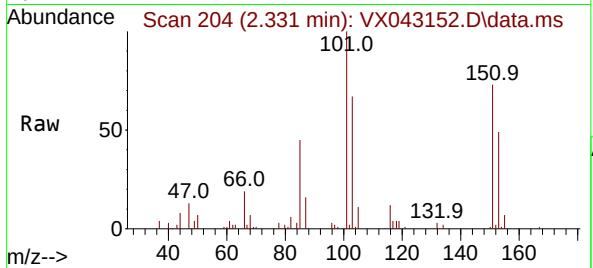




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.028 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

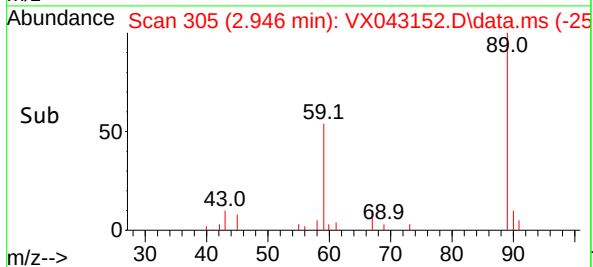
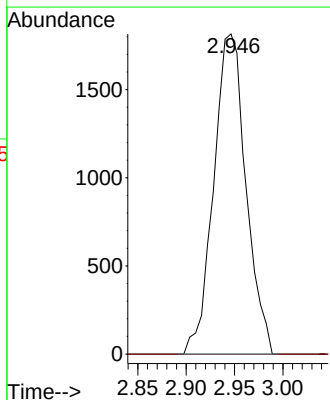
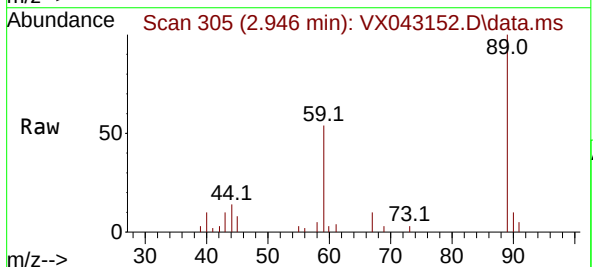
Instrument :
MSVOA_X
ClientSampleId :

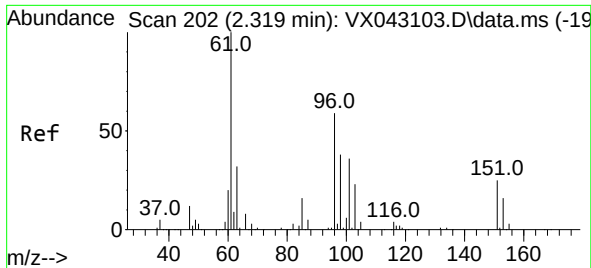
Tgt Ion:101 Resp: 19155
Ion Ratio Lower Upper
101 100
85 46.5 37.0 55.4
151 74.1 60.2 90.4



#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

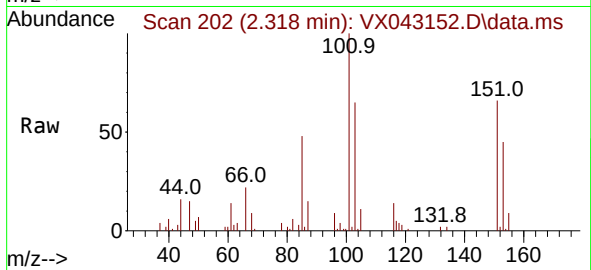
Tgt Ion: 59 Resp: 4218
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



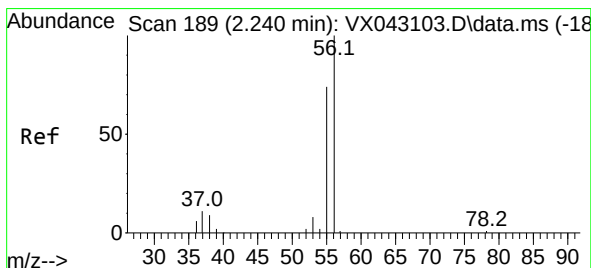
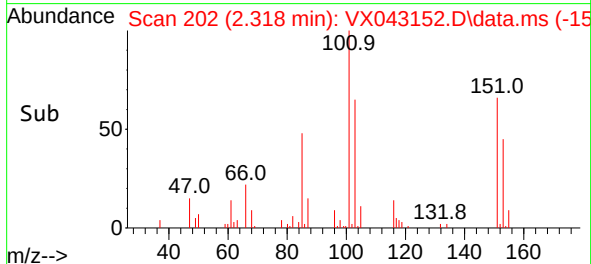
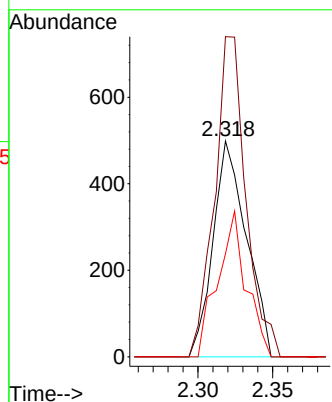


#12
1,1-Dichloroethene
Concen: 0.847 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Instrument :
MSVOA_X
ClientSampleId :

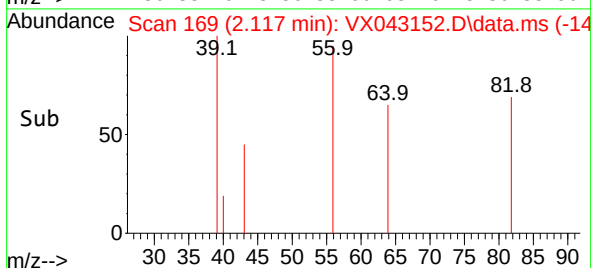
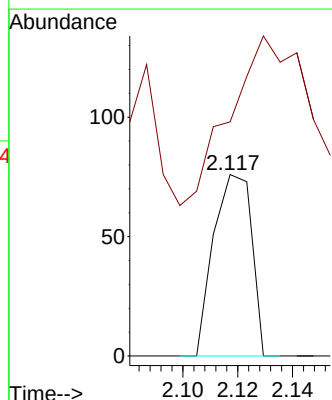
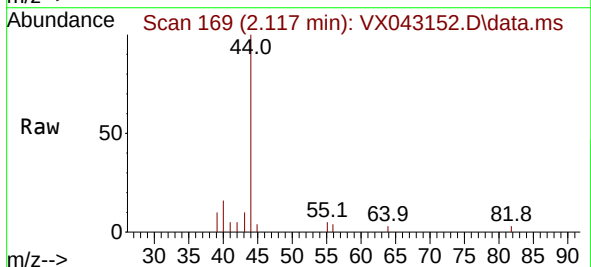


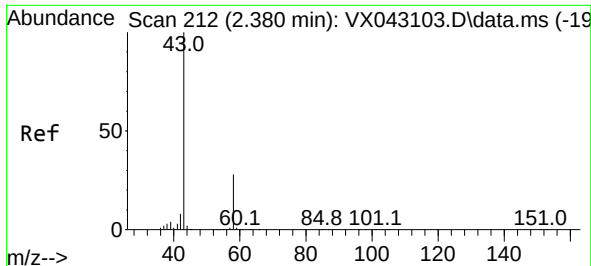
Tgt Ion: 96 Resp: 775
Ion Ratio Lower Upper
96 100
61 148.3 134.7 202.1
98 47.7 51.6 77.4#



#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#

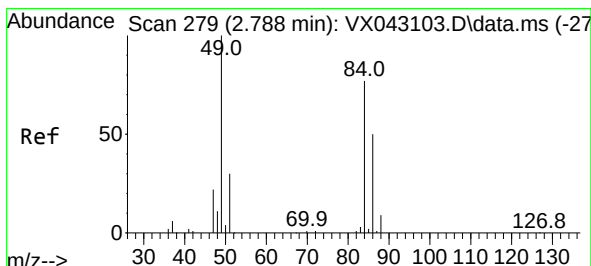
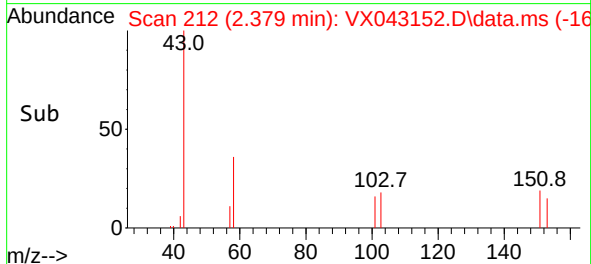
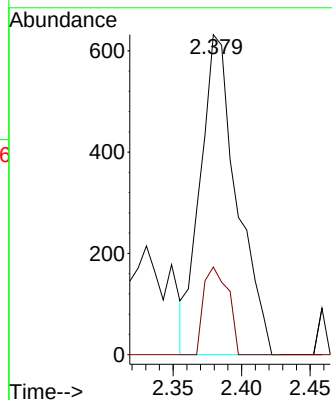
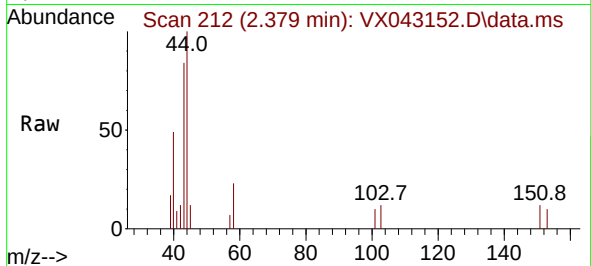




#16
Acetone
Concen: 1.757 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

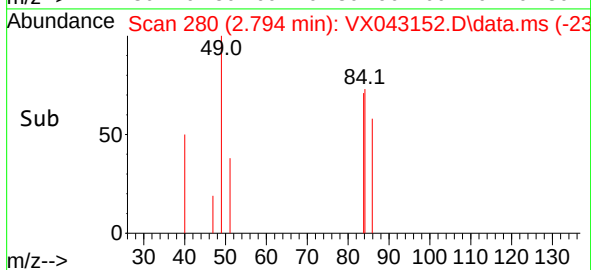
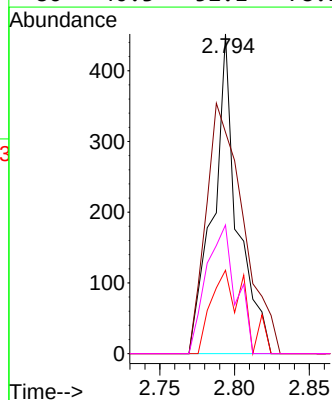
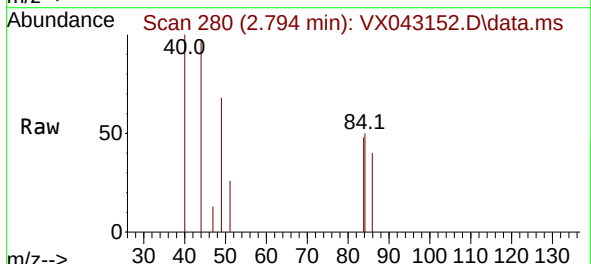
Instrument :
MSVOA_X
ClientSampleId :

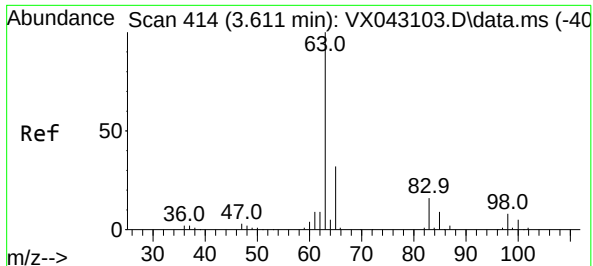
Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
58 27.4 22.6 34.0



#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

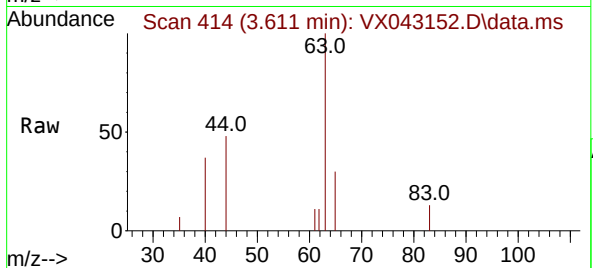
Lab File: VX043152.D

Acq: 25 Sep 2024 14:48

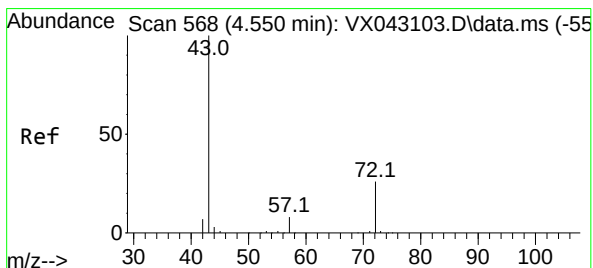
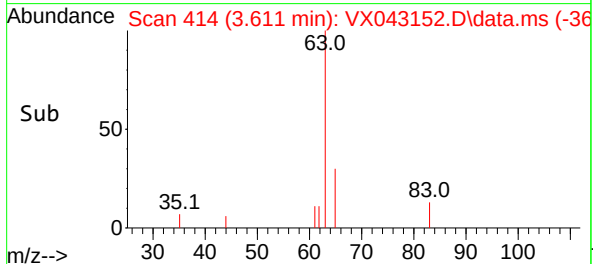
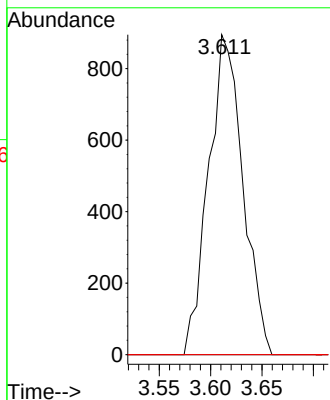
Instrument :

MSVOA_X

ClientSampleId :



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

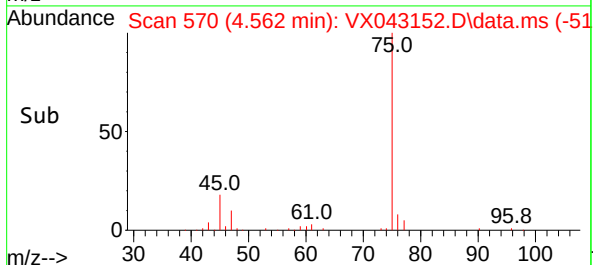
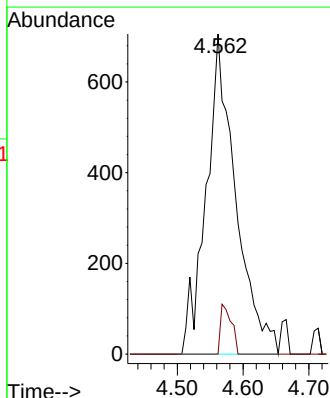
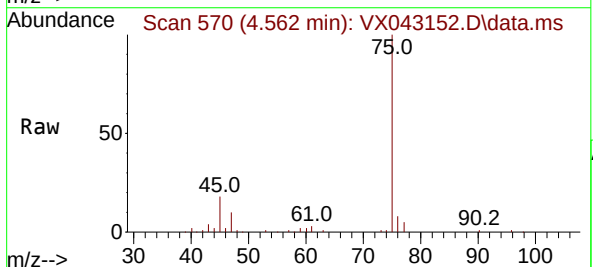
RT: 4.562 min Scan# 570

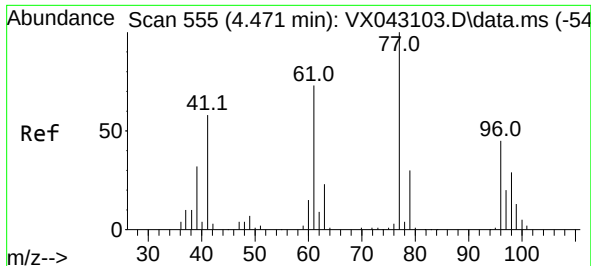
Delta R.T. 0.012 min

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

Instrument :

MSVOA_X

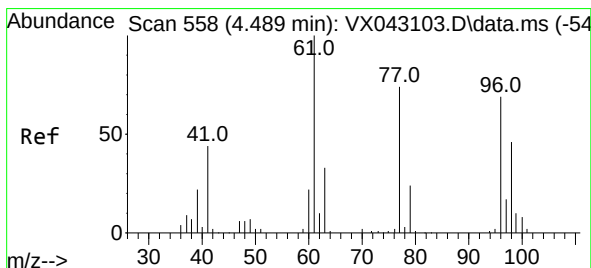
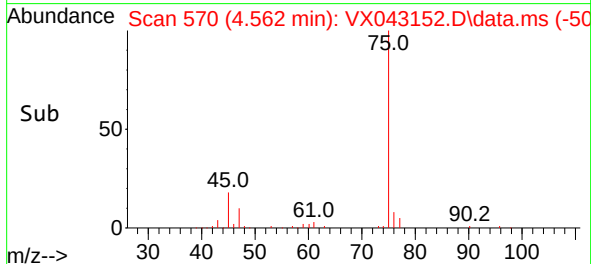
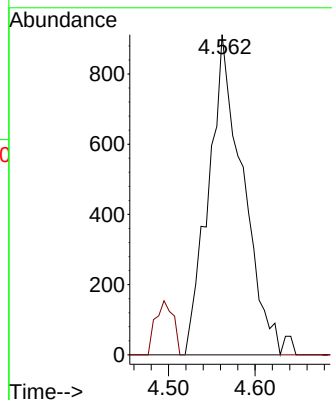
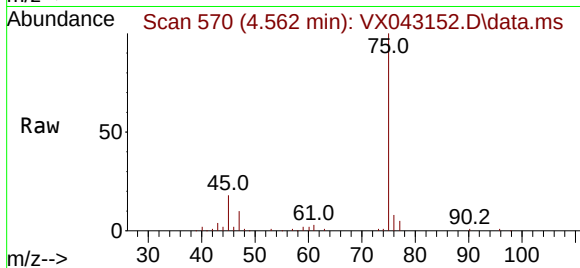
ClientSampleId :

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

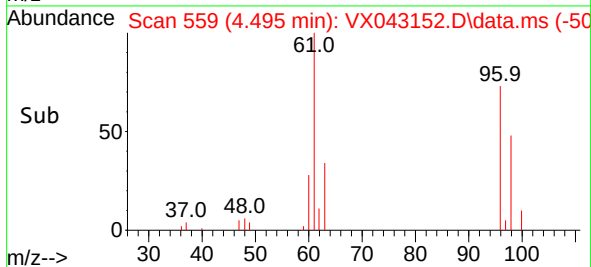
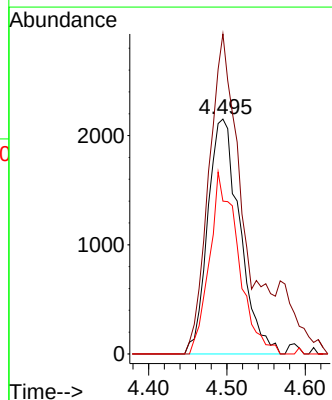
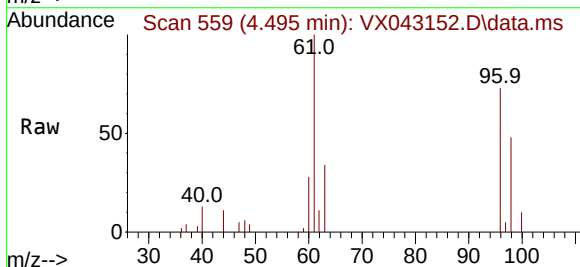
Tgt Ion: 96 Resp: 6118

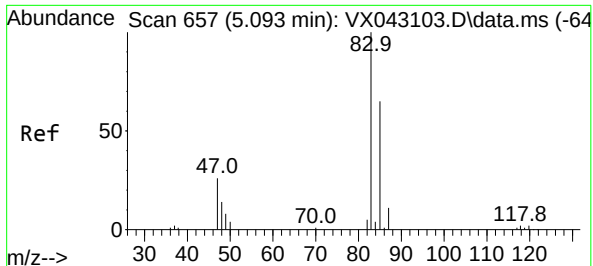
Ion Ratio Lower Upper

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

Instrument :

MSVOA_X

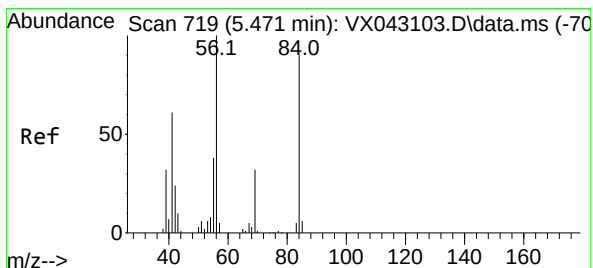
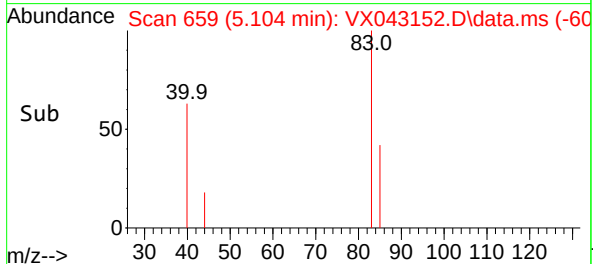
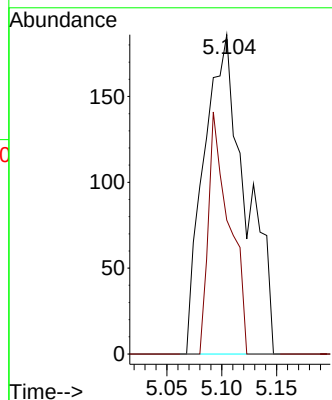
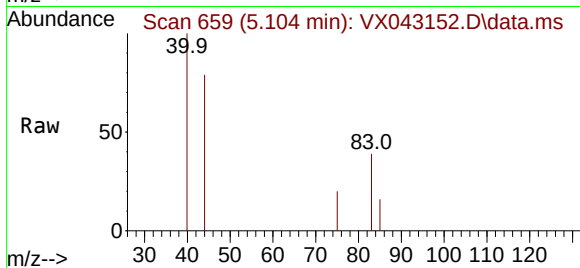
ClientSampleId :

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

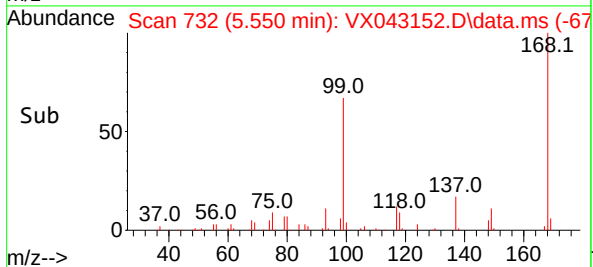
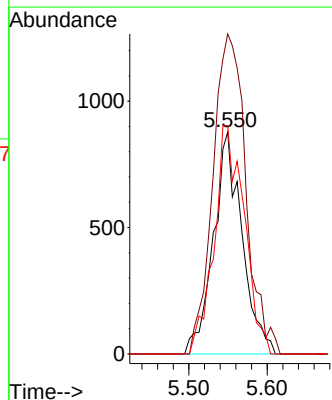
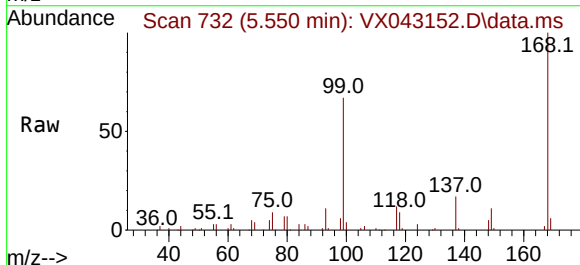
Tgt Ion: 56 Resp: 2219

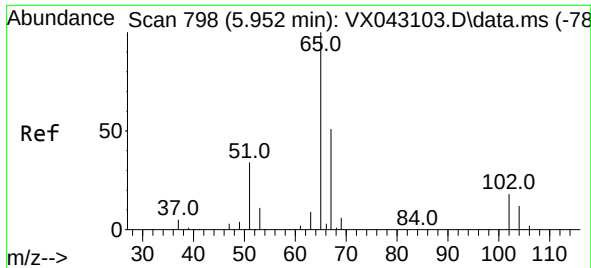
Ion Ratio Lower Upper

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

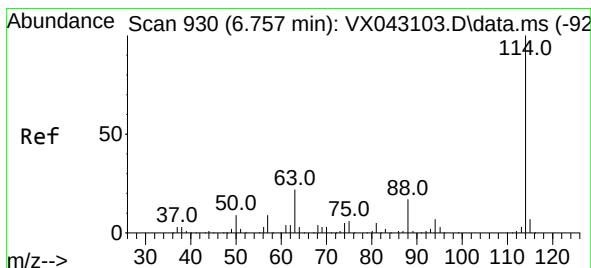
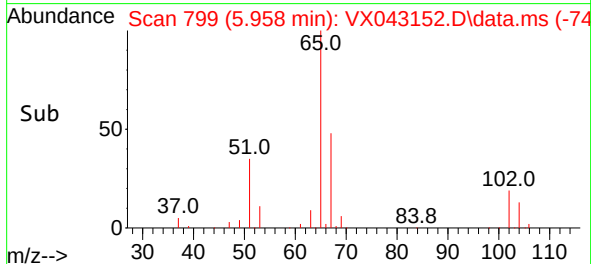
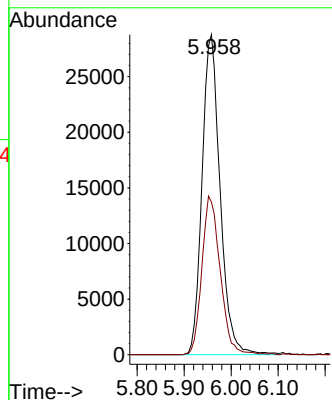
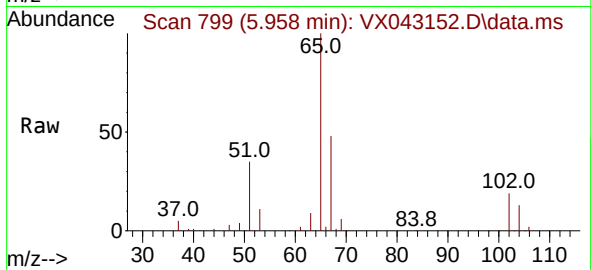
ClientSampleId :

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

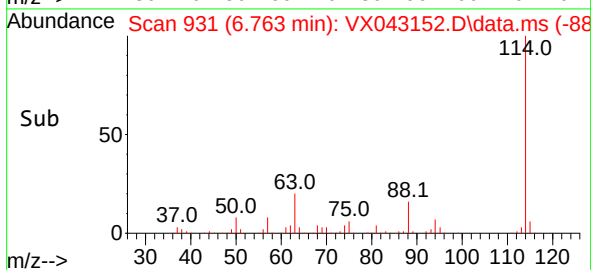
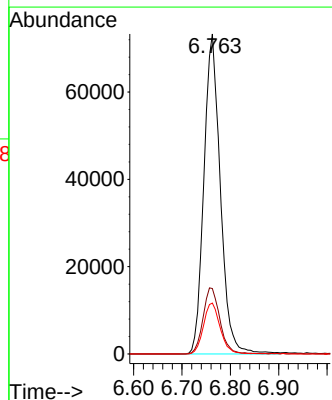
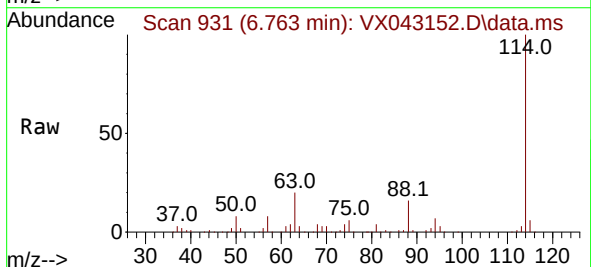
Tgt Ion: 114 Resp: 173355

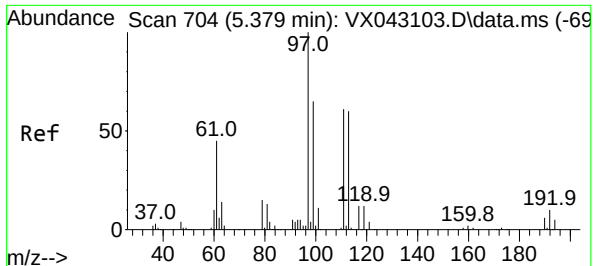
Ion Ratio Lower Upper

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 :

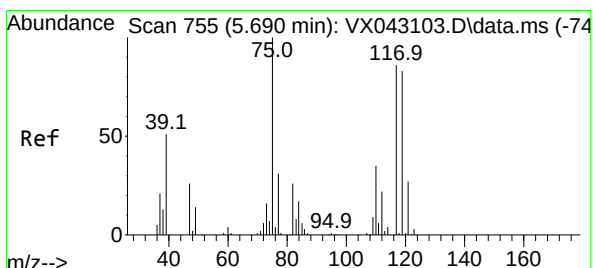
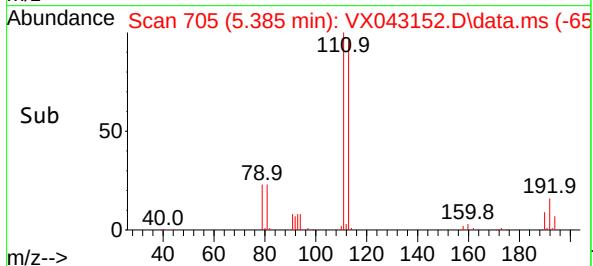
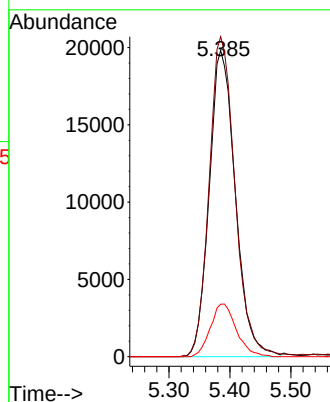
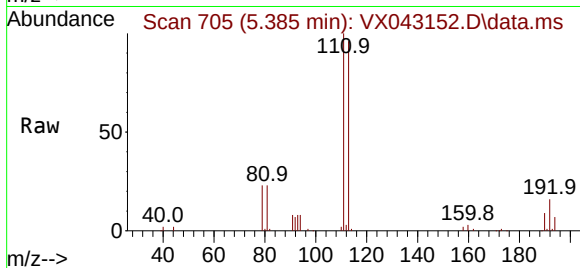
Tgt Ion:113 Resp: 58953

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

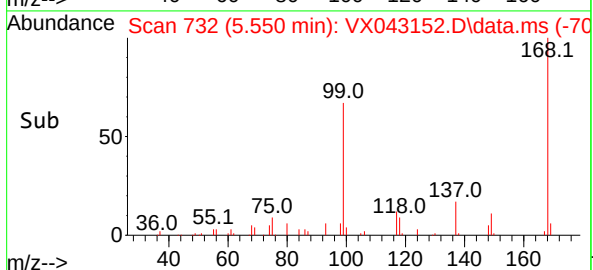
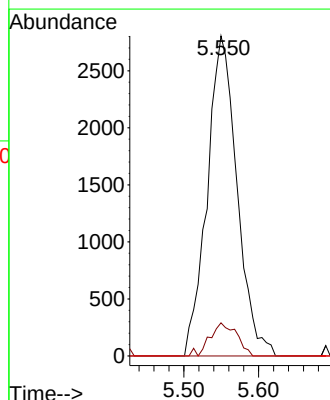
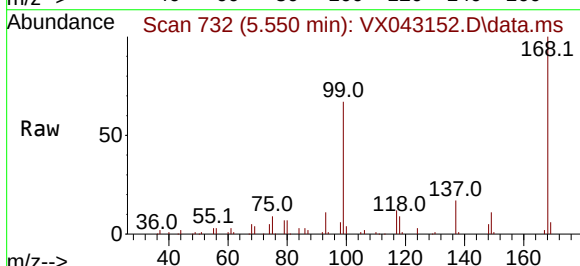
Tgt Ion: 75 Resp: 7795

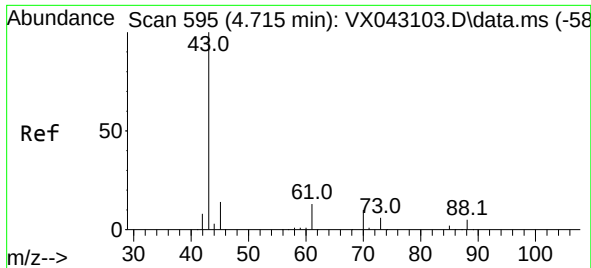
Ion Ratio Lower Upper

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

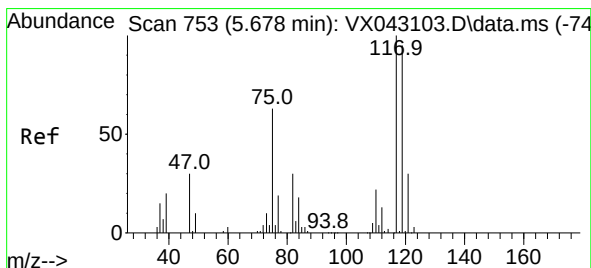
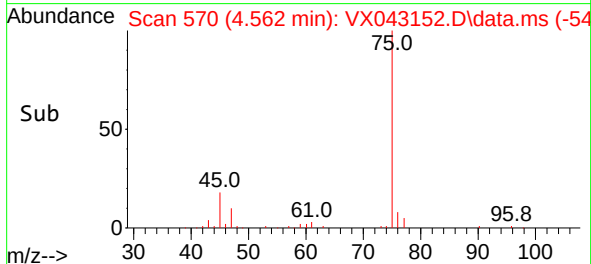
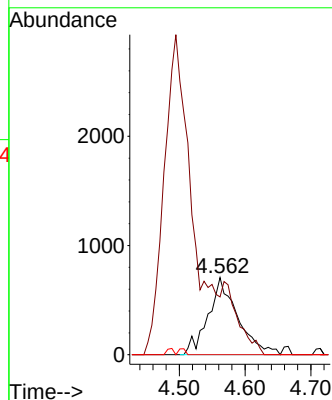
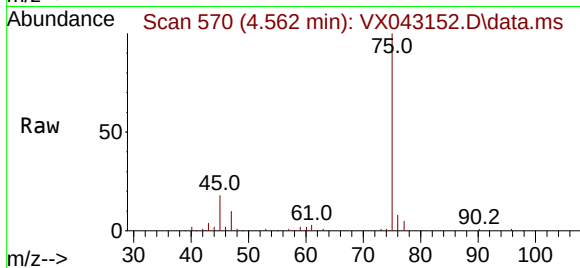
Acq: 25 Sep 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :

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

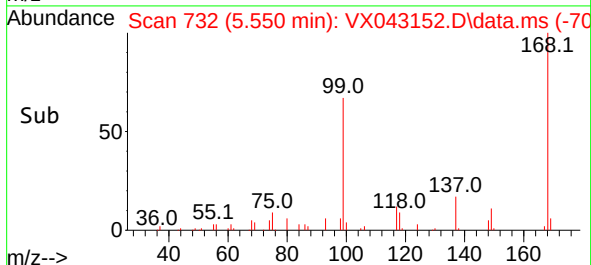
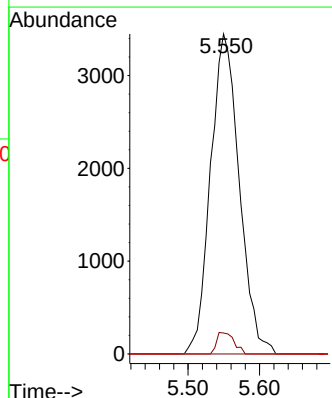
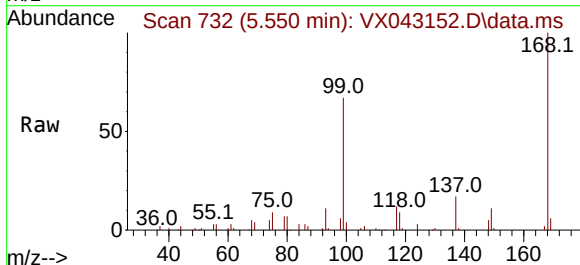
RT: 5.550 min Scan# 732

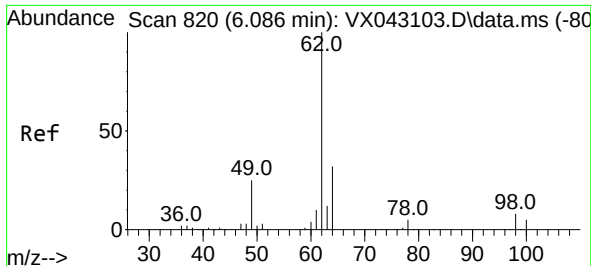
Delta R.T. -0.128 min

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

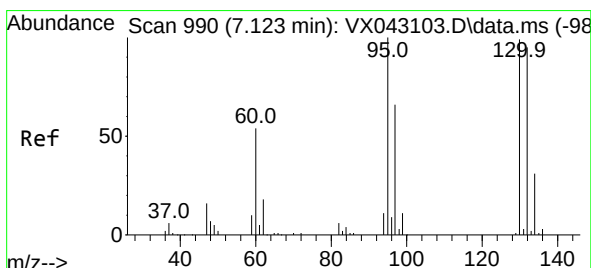
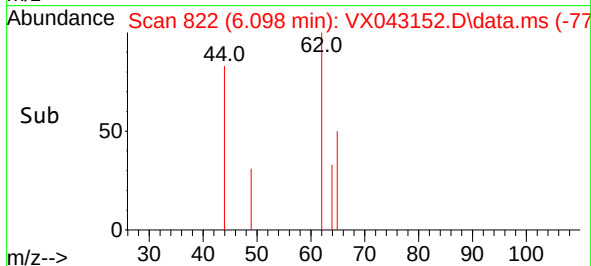
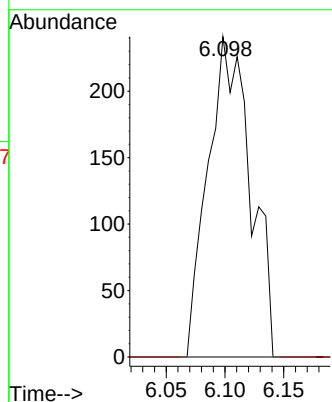
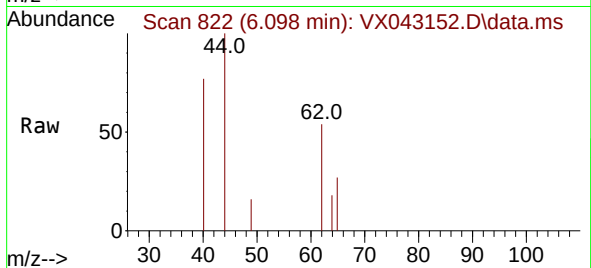
ClientSampleId :

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

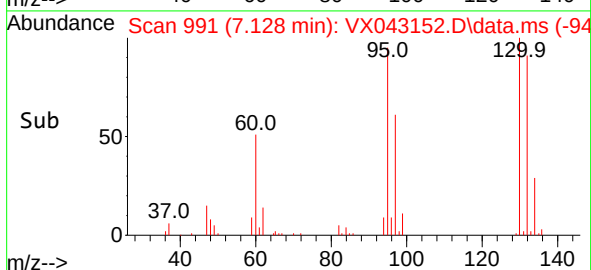
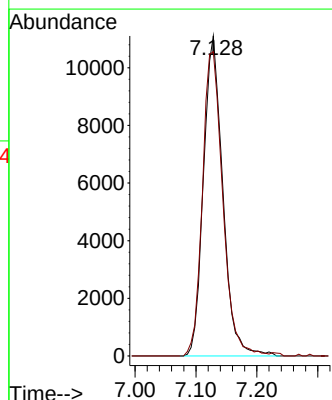
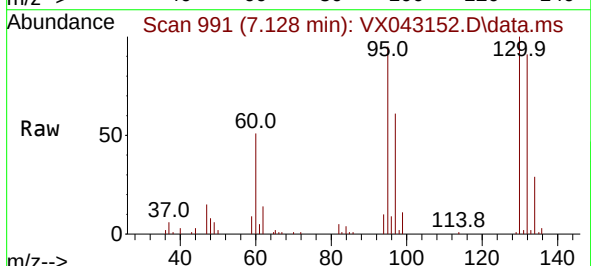
Acq: 25 Sep 2024 14:48

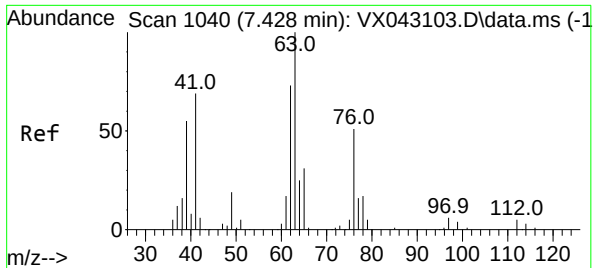
Tgt Ion:130 Resp: 24505

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

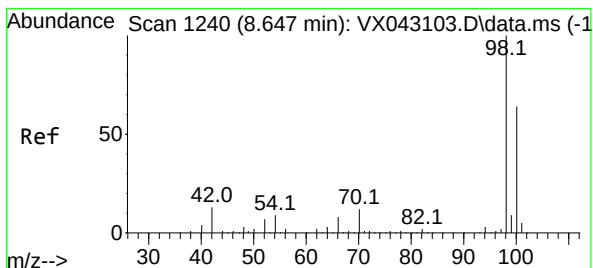
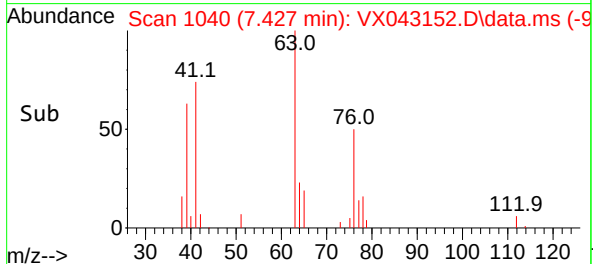
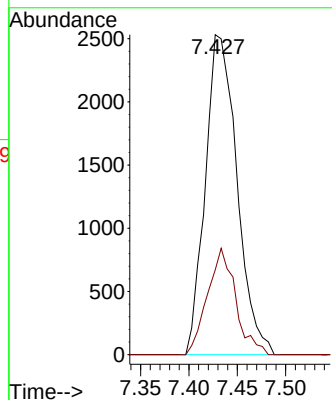
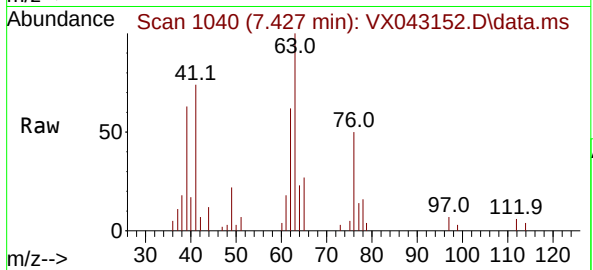
ClientSampleId :

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

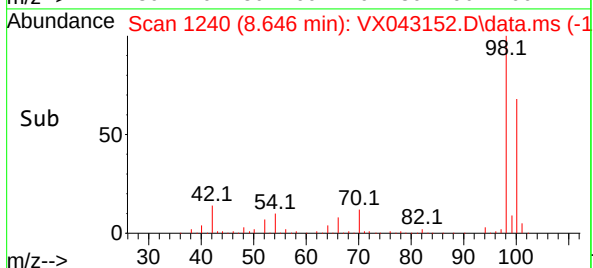
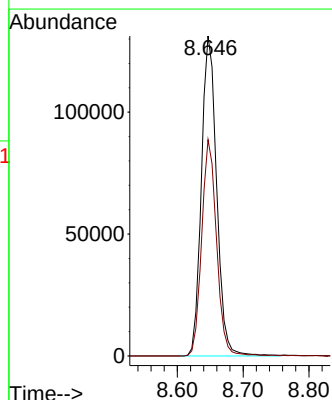
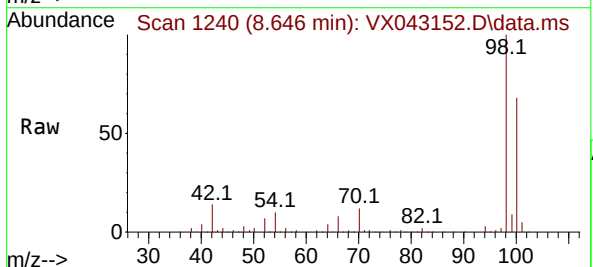
Acq: 25 Sep 2024 14:48

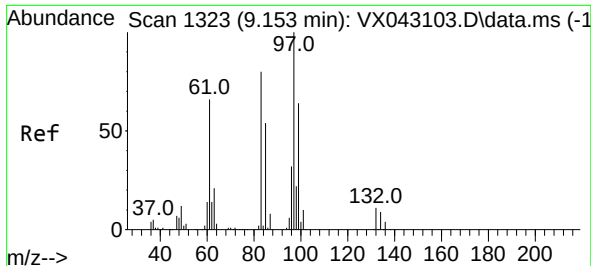
Tgt Ion: 98 Resp: 211399

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.4

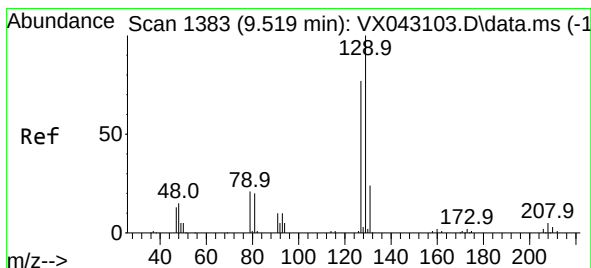
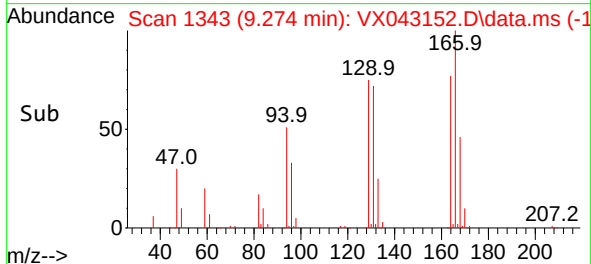
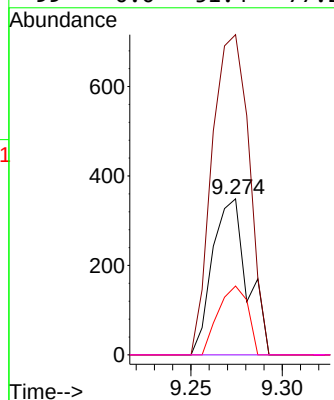
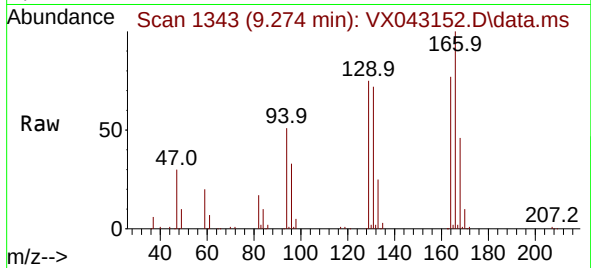




#55
1,1,2-Trichloroethane
Concen: 0.395 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

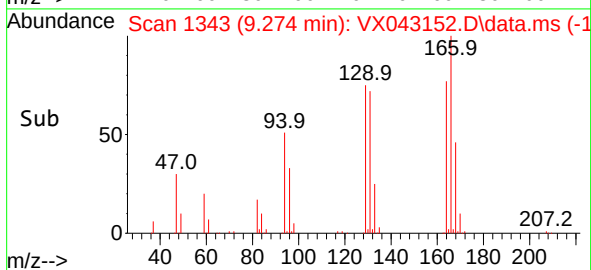
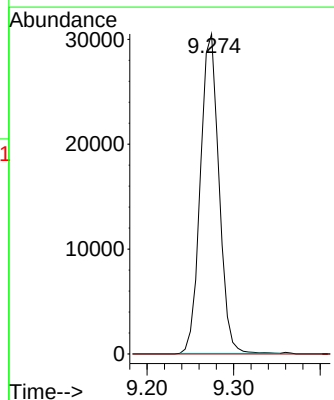
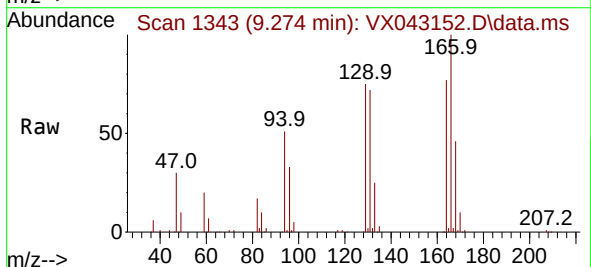
Instrument :
MSVOA_X
ClientSampleId :

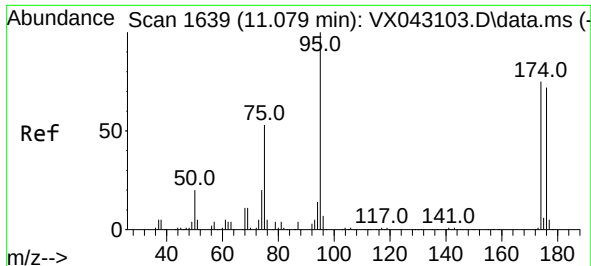
Tgt Ion: 97	Resp: 464
Ion Ratio	Lower Upper
97	100
83	205.2 64.2 96.4#
85	44.1 43.0 64.6
99	0.0 51.4 77.2#



#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# 1

Delta R.T. -0.000 min

Lab File: VX043152.D

Acq: 25 Sep 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :

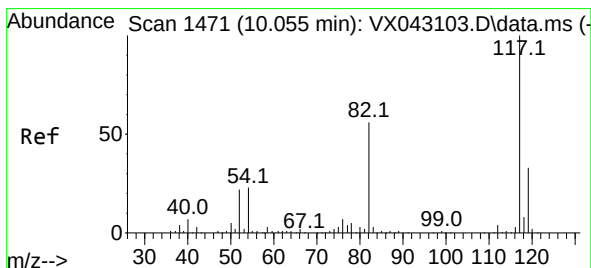
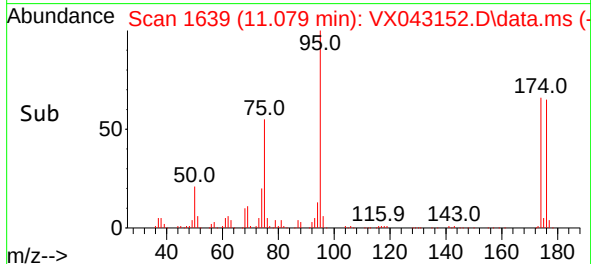
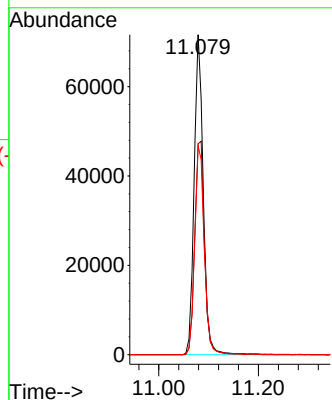
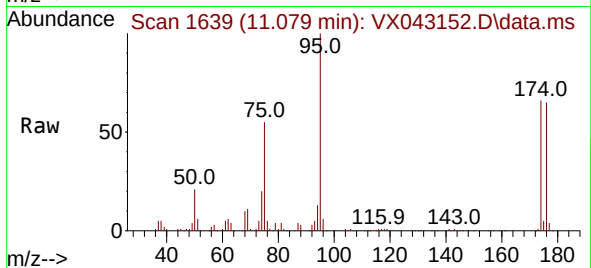
Tgt Ion: 95 Resp: 90860

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

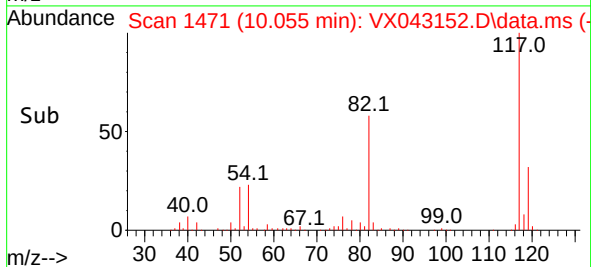
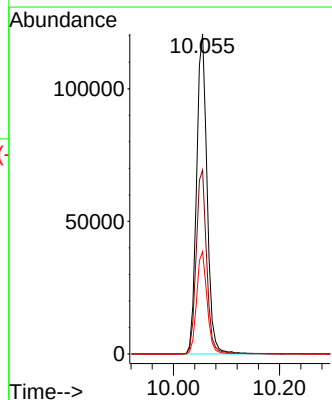
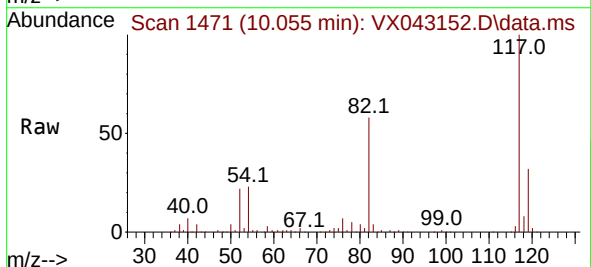
Tgt Ion: 117 Resp: 166079

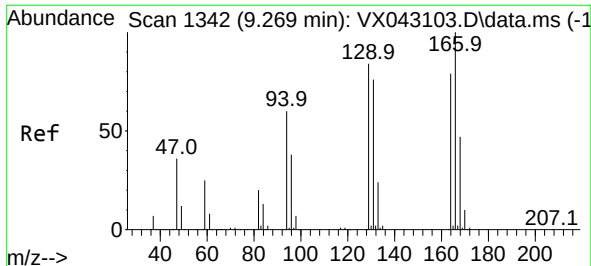
Ion Ratio Lower Upper

117 100

82 57.5 44.7 67.1

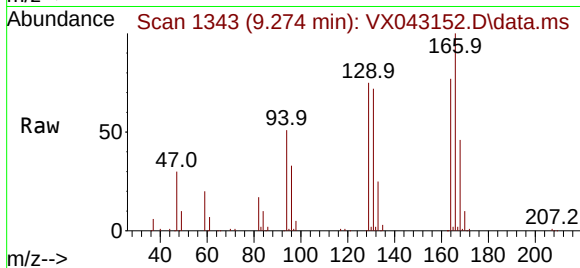
119 31.9 26.3 39.5



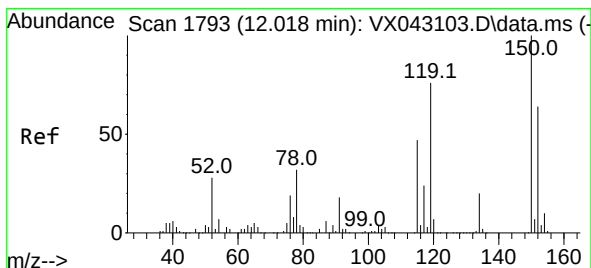
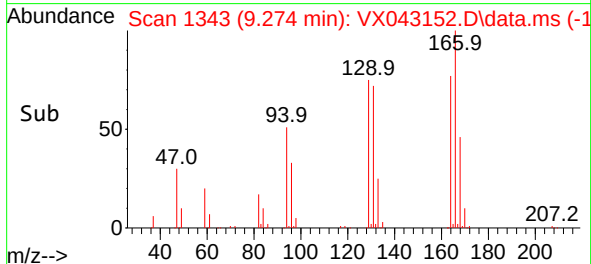
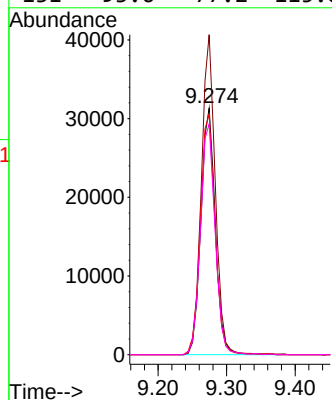


#64
Tetrachloroethene
Concen: 38.015 ug/l
RT: 9.274 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

Instrument :
MSVOA_X
ClientSampleId :

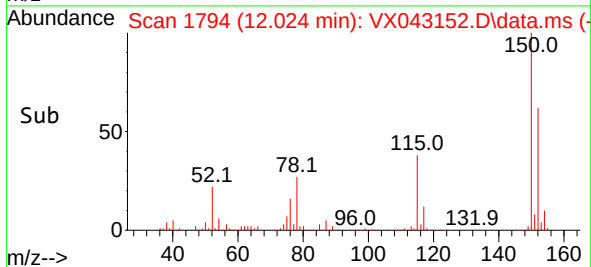
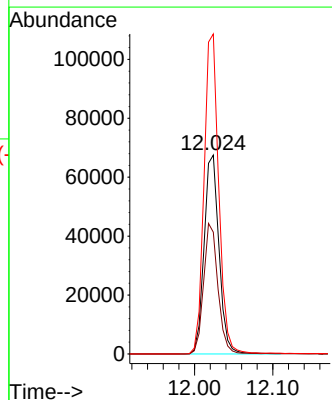
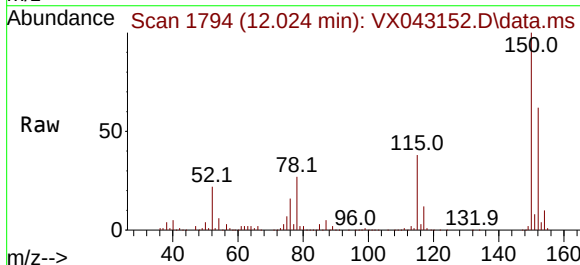


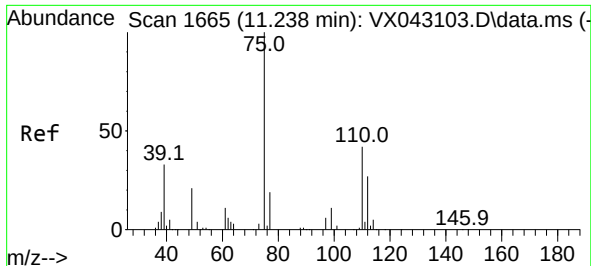
Tgt Ion:164 Resp: 45744
Ion Ratio Lower Upper
164 100
166 129.8 101.2 151.8
129 97.4 84.7 127.1
131 93.6 77.2 115.8



#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

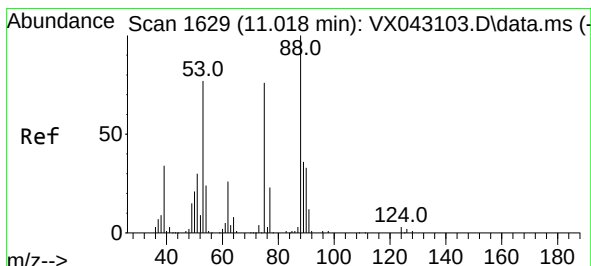
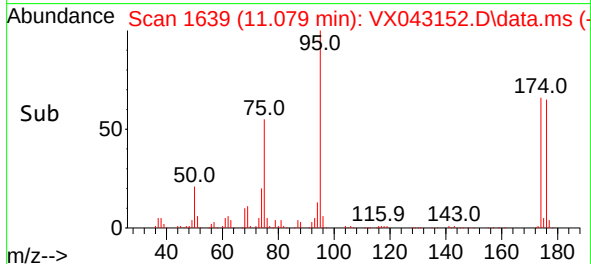
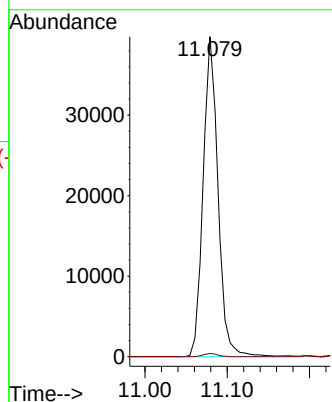
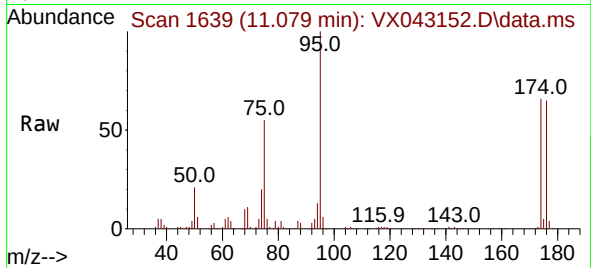




#76
1,2,3-Trichloropropane
Concen: 26.323 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043152.D
Acq: 25 Sep 2024 14:48

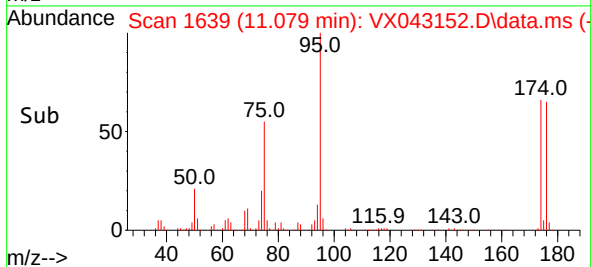
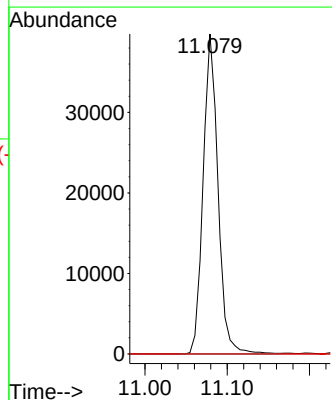
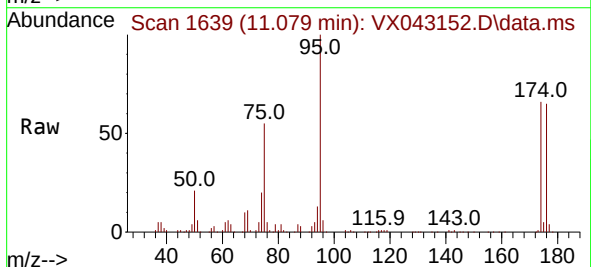
Instrument :
MSVOA_X
ClientSampleId :

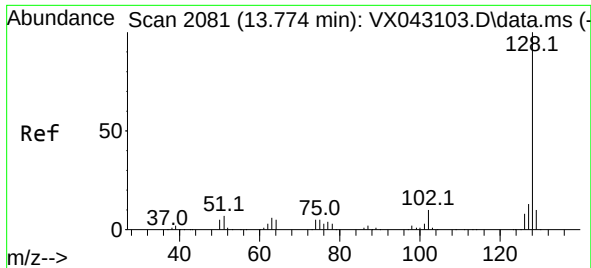
Tgt Ion: 75 Resp: 49888
Ion Ratio Lower Upper
75 100
77 1.0 21.9 65.7#



#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

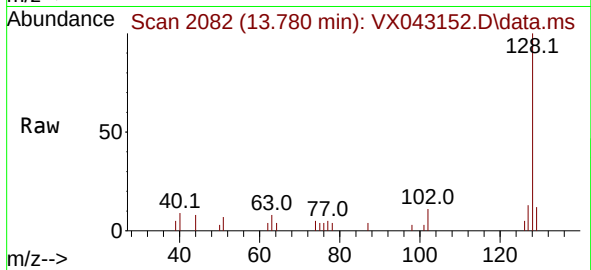
Tgt Ion: 75 Resp: 49888
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#





#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 :



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

