

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043132.D
 Acq On : 24 Sep 2024 18:54
 Operator : JC/MD
 Sample : P4164-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

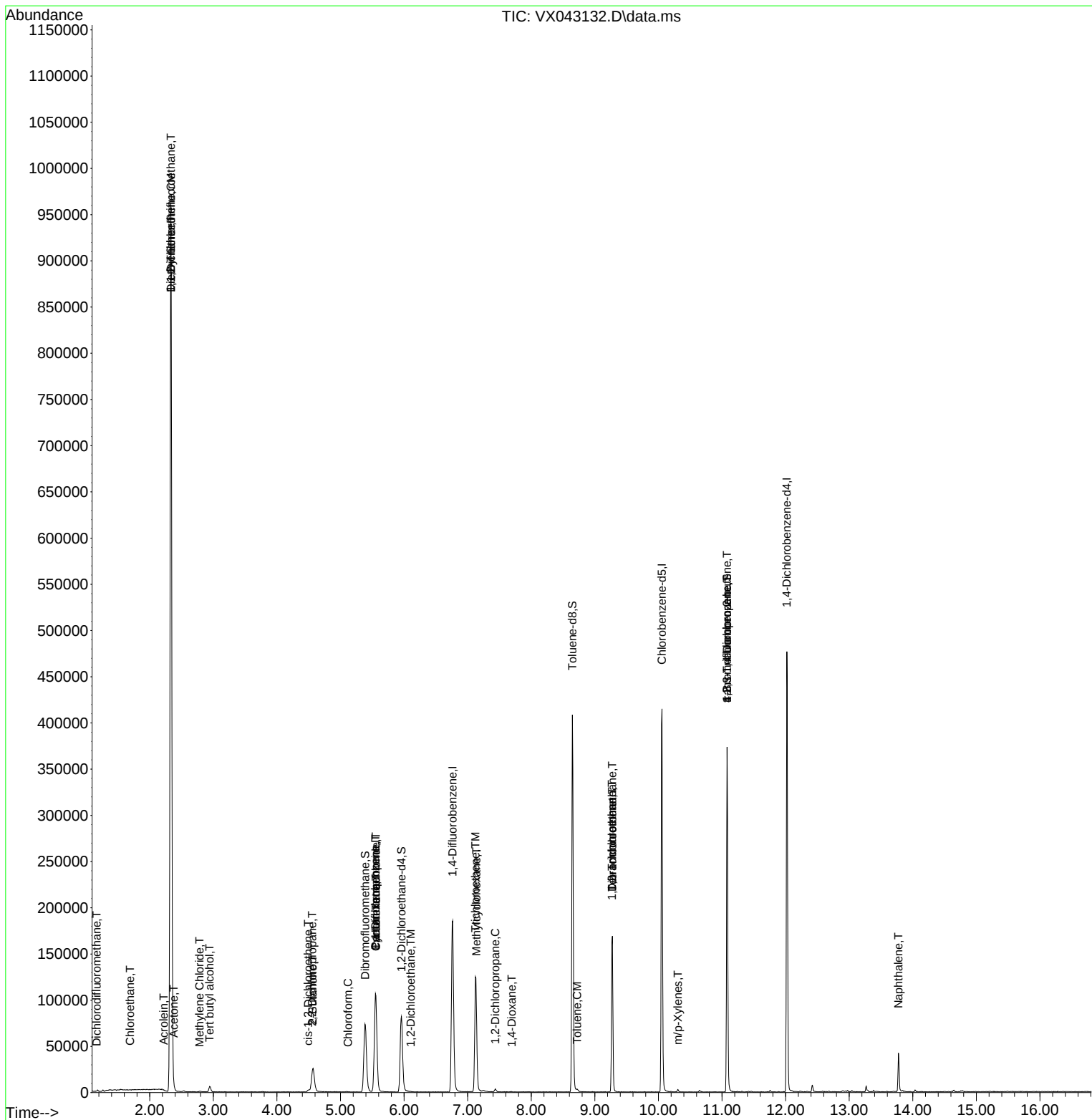
Quant Time: Sep 25 01:35:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

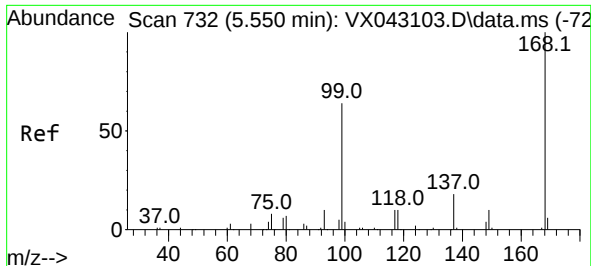
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	96830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	190082	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84221	52.363	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.720%	
35) Dibromofluoromethane	5.385	113	64232	47.902	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.800%	
50) Toluene-d8	8.647	98	235735	51.963	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.920%	
62) 4-Bromofluorobenzene	11.079	95	98003	53.643	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.280%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	251	0.243	ug/l #	47
6) Chloroethane	1.691	64	146	0.213	ug/l #	42
8) Diethyl Ether	2.331	74	317	0.497	ug/l #	20
9) 1,1,2-Trichlorotrifluo...	2.331	101	374845	349.380	ug/l	99
11) Tert butyl alcohol	2.941	59	3089	8.602	ug/l #	75
12) 1,1-Dichloroethene	2.331	96	2459	2.396	ug/l #	55
13) Acrolein	2.221	56	19	0.402	ug/l #	15
16) Acetone	2.380	43	1104	1.468	ug/l	93
20) Methylene Chloride	2.782	84	308	0.257	ug/l #	65
25) 2-Butanone	4.562	43	1772	1.828	ug/l #	49
26) 2,2-Dichloropropane	4.556	77	1858	0.890	ug/l #	54
27) cis-1,2-Dichloroethene	4.489	96	1580	1.195	ug/l	81
30) Chloroform	5.117	83	457	0.201	ug/l #	75
31) Cyclohexane	5.556	56	2438	1.541	ug/l #	29
36) 1,1-Dichloropropene	5.550	75	8382	5.087	ug/l #	49
38) Carbon Tetrachloride	5.556	117	10588	4.989	ug/l #	17
39) Methylcyclohexane	7.135	83	638	0.309	ug/l #	4
42) 1,2-Dichloroethane	6.105	62	563	0.273	ug/l #	77
44) Trichloroethene	7.123	130	48072	36.138	ug/l	98
45) 1,2-Dichloropropane	7.434	63	1199	0.990	ug/l #	80
49) 1,4-Dioxane	7.690	88	119	3.713	ug/l #	44
52) Toluene	8.720	92	967	0.309	ug/l	92
55) 1,1,2-Trichloroethane	9.269	97	340	0.264	ug/l #	30
60) Dibromochloromethane	9.275	129	30118	17.890	ug/l #	11
64) Tetrachloroethene	9.275	164	29974	22.411	ug/l	98
68) m/p-Xylenes	10.305	106	695	0.271	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	53739	26.263	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	53739	62.574	ug/l #	7
95) Naphthalene	13.774	128	27147	4.049	ug/l	99

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

Quant Time: Sep 25 01:35:21 2024
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Quant Title : SW846 8260
QLast Update : Tue Sep 24 03:13:52 2024
Response via : Initial Calibration

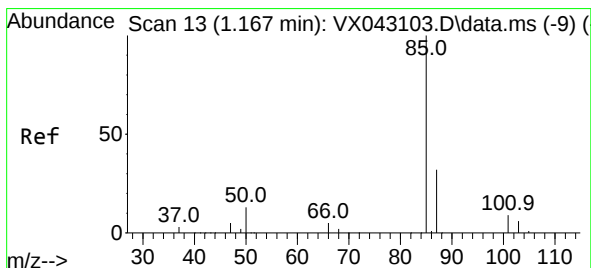
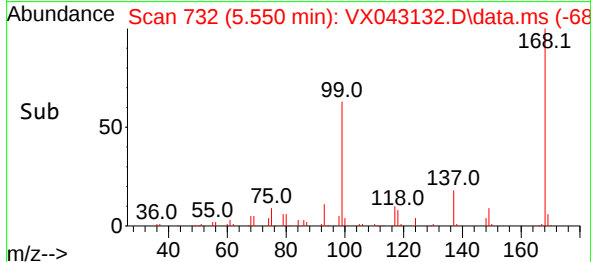
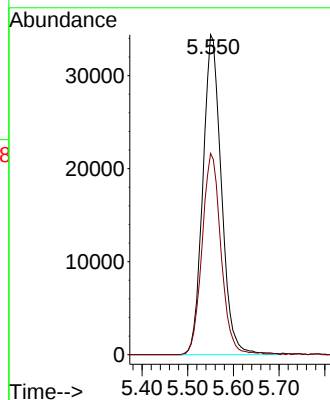
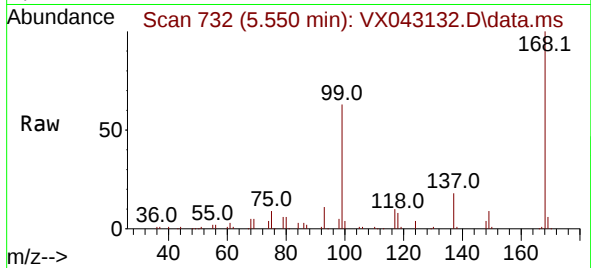




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

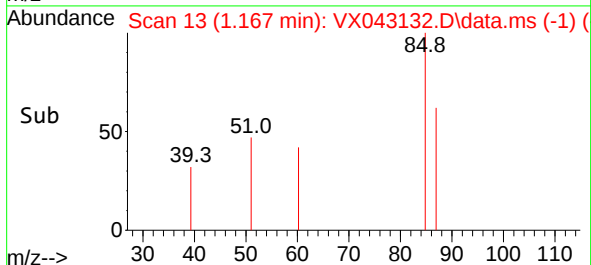
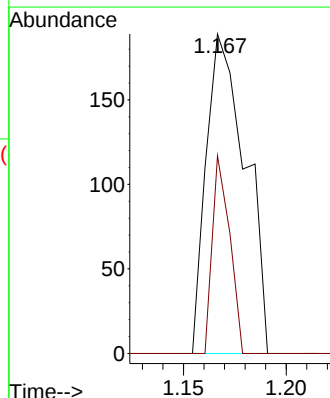
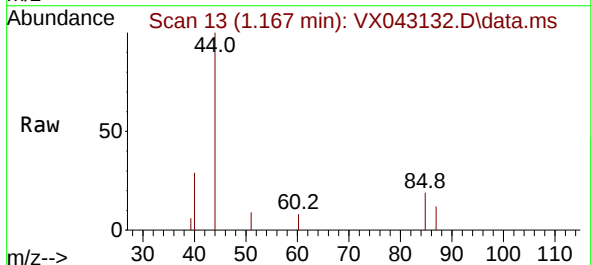
Instrument :
MSVOA_X
ClientSampleId :

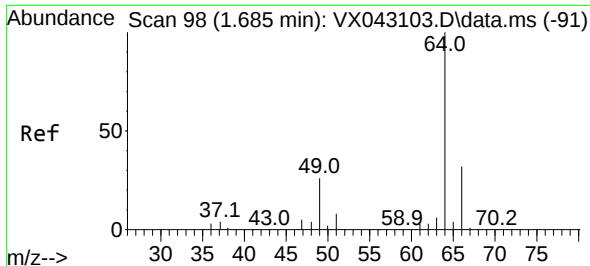
Tgt Ion:168 Resp: 96830
Ion Ratio Lower Upper
168 100
99 62.9 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 0.243 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 85 Resp: 251
Ion Ratio Lower Upper
85 100
87 61.9 16.1 48.2#

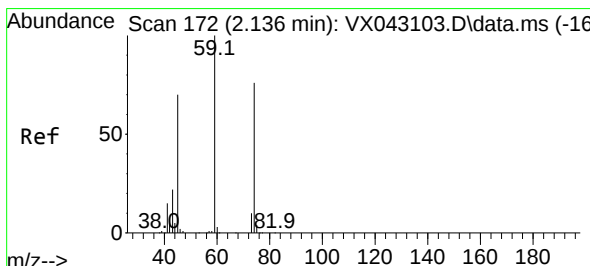
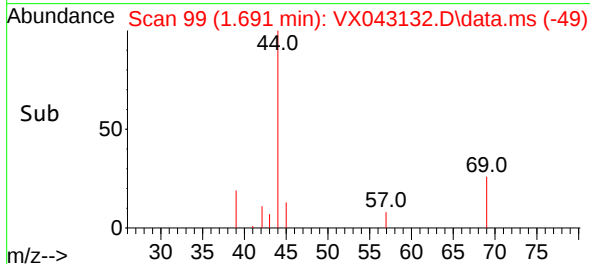
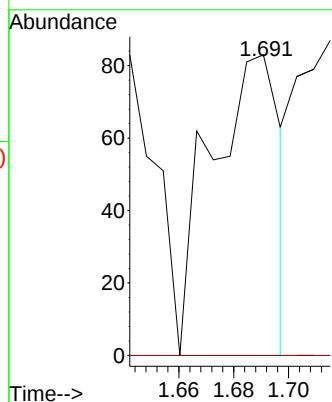
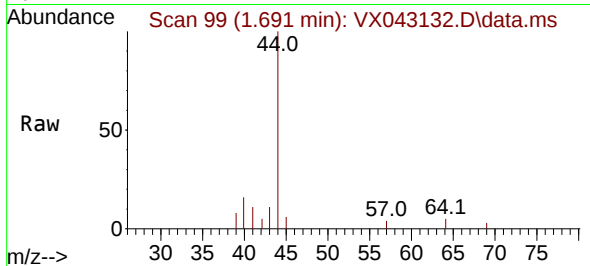




#6
Chloroethane
Concen: 0.213 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

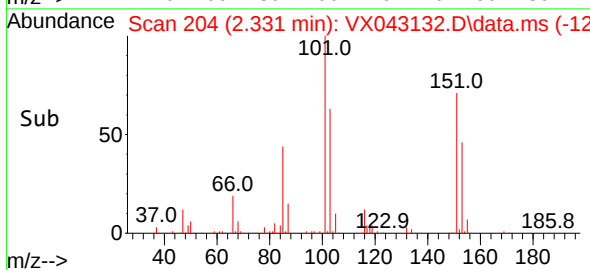
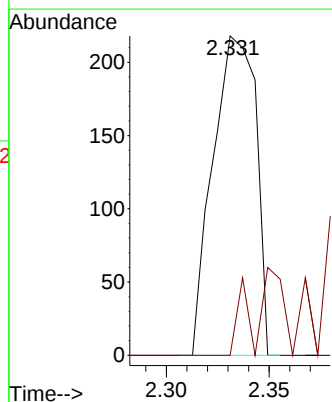
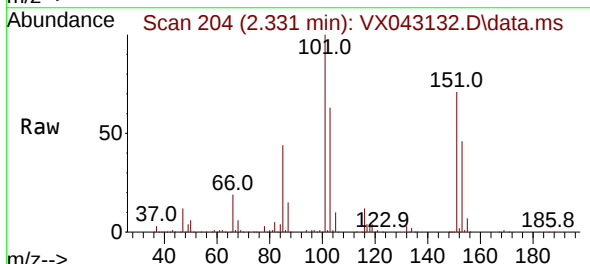
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ClientSampleId :

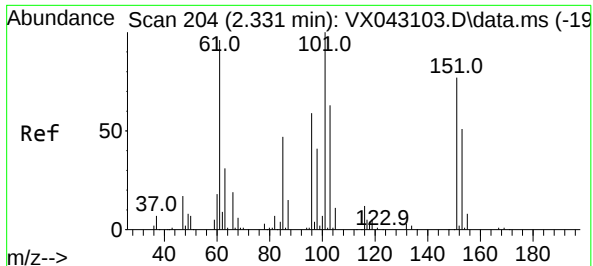
Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#



#8
Diethyl Ether
Concen: 0.497 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.195 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 74 Resp: 317
Ion Ratio Lower Upper
74 100
45 18.9 48.6 145.8#

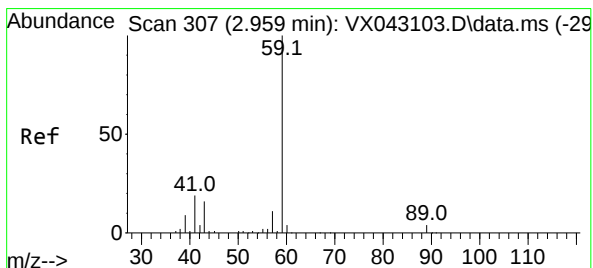
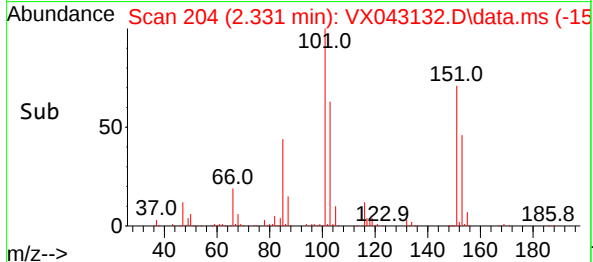
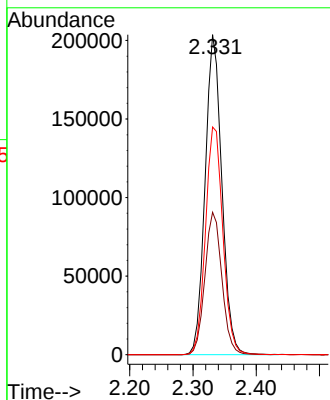
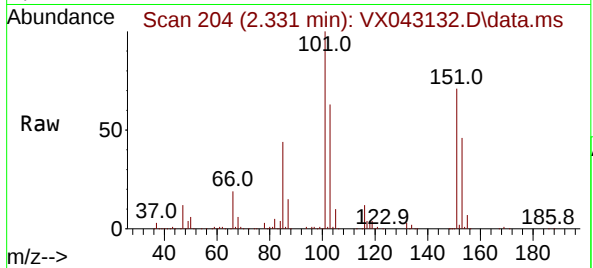




#9
1,1,2-Trichlorotrifluoroethane
Concen: 349.380 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

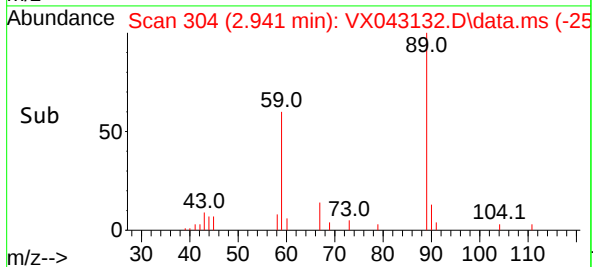
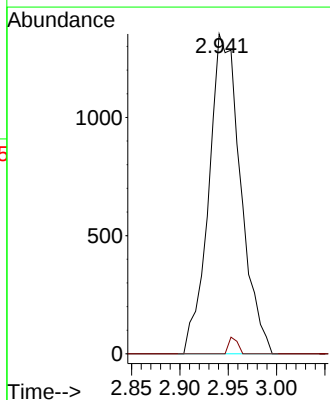
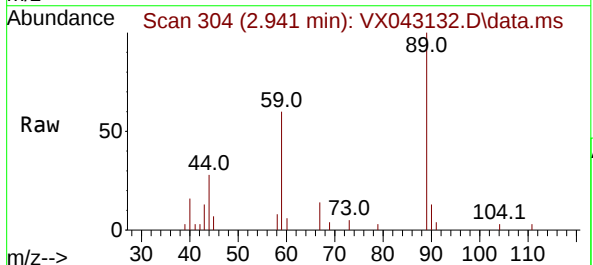
Instrument :
MSVOA_X
ClientSampleId :

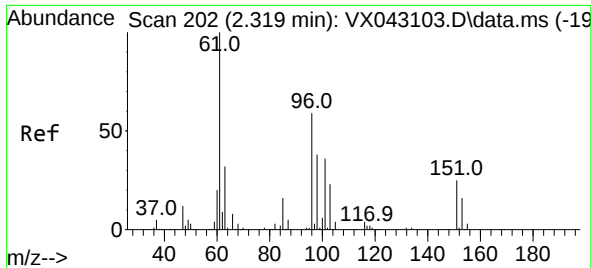
Tgt Ion:101 Resp: 374845
Ion Ratio Lower Upper
101 100
85 45.3 37.0 55.4
151 74.1 60.2 90.4



#11
Tert butyl alcohol
Concen: 8.602 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 59 Resp: 3089
Ion Ratio Lower Upper
59 100
57 1.5 8.6 13.0#

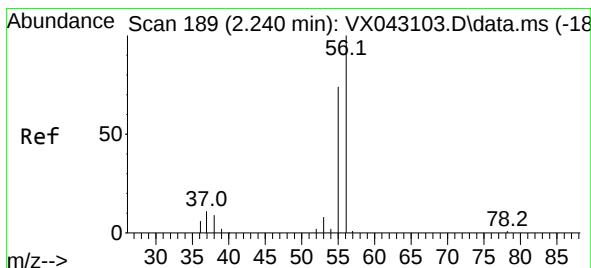
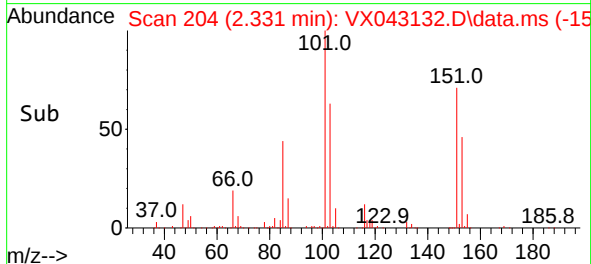
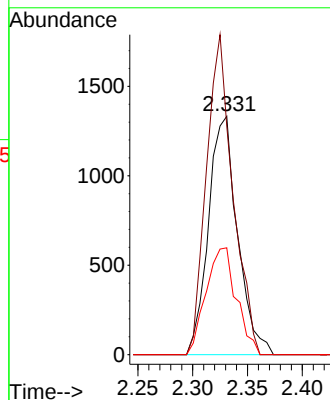
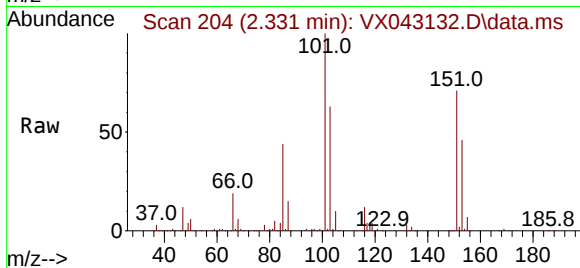




#12
1,1-Dichloroethene
Concen: 2.396 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

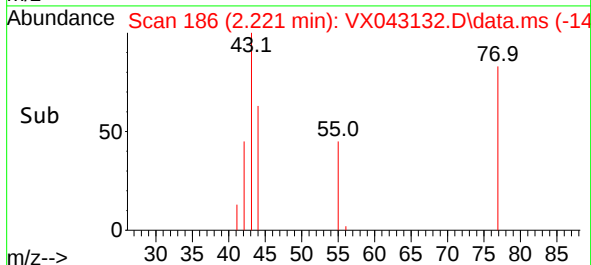
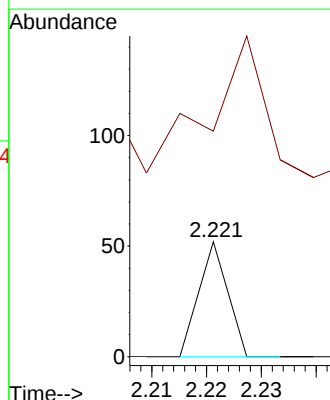
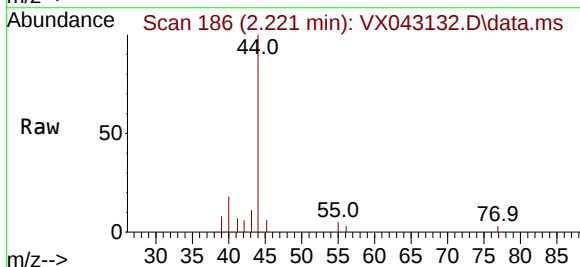
Instrument :
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ClientSampleId :

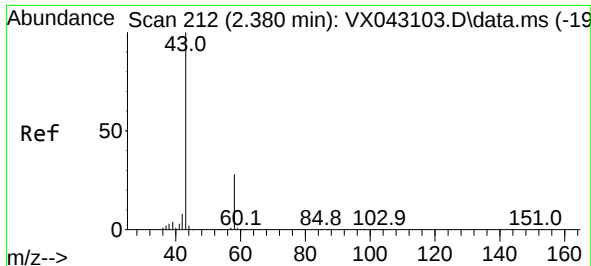
Tgt Ion: 96 Resp: 2459
Ion Ratio Lower Upper
96 100
61 95.9 134.7 202.1#
98 44.8 51.6 77.4#



#13
Acrolein
Concen: 0.402 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#

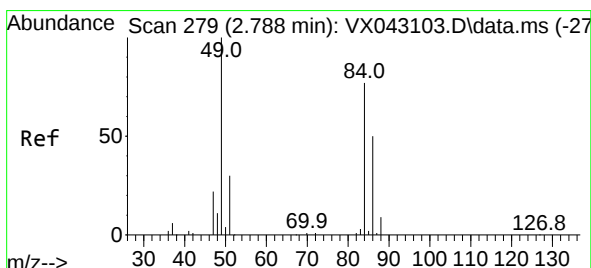
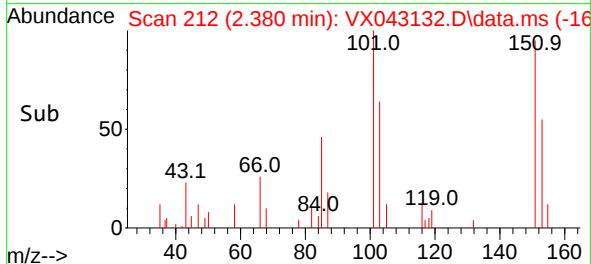
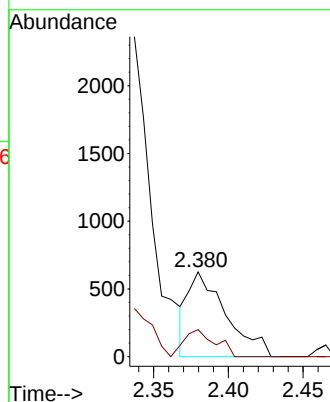
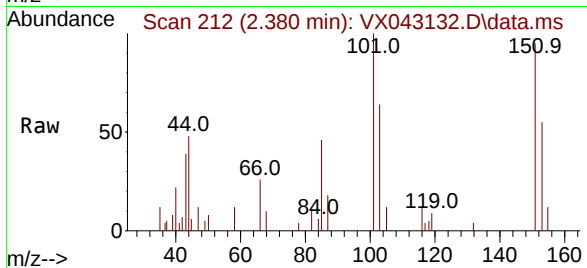




#16
Acetone
Concen: 1.468 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

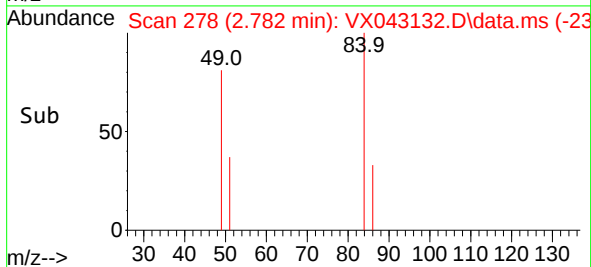
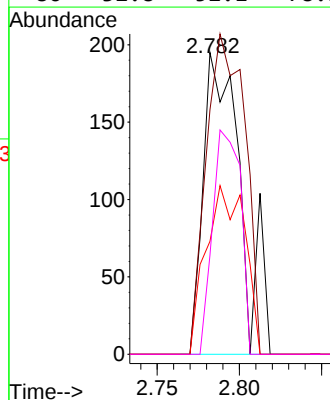
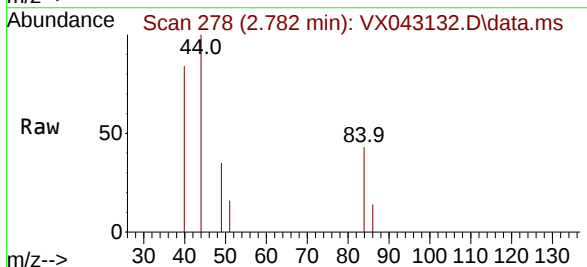
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MSVOA_X
ClientSampleId :

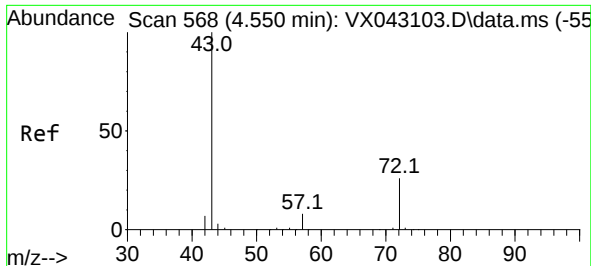
Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
58 31.9 22.6 34.0



#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 84 Resp: 308
Ion Ratio Lower Upper
84 100
49 81.0 104.1 156.1#
51 37.4 31.1 46.7
86 32.8 52.1 78.1#





#25

2-Butanone

Concen: 1.828 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043132.D

Acq: 24 Sep 2024 18:54

Instrument :

MSVOA_X

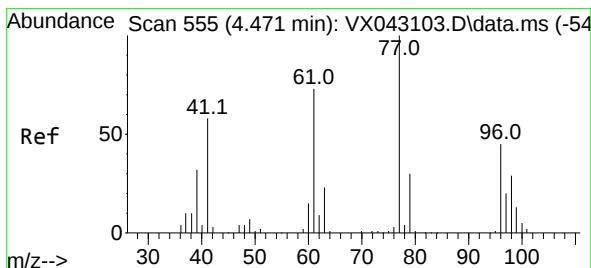
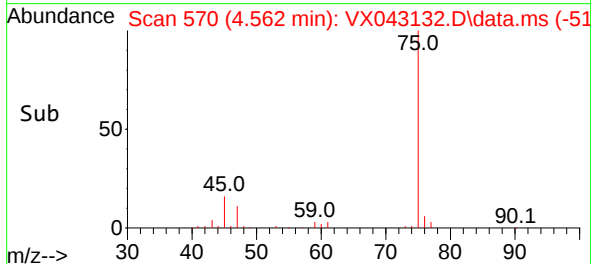
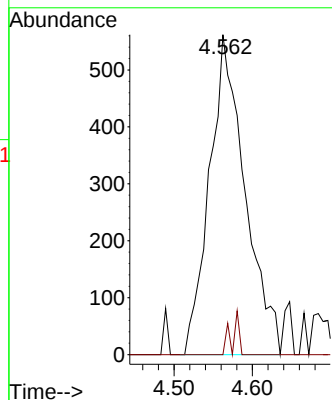
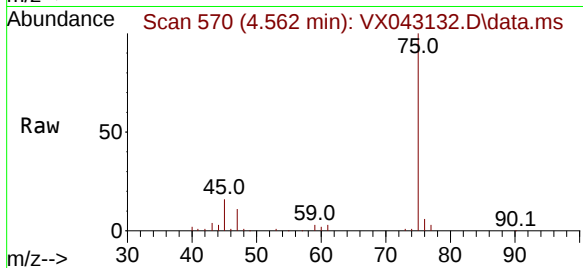
ClientSampleId :

Tgt Ion: 43 Resp: 1772

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 0.890 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.085 min

Lab File: VX043132.D

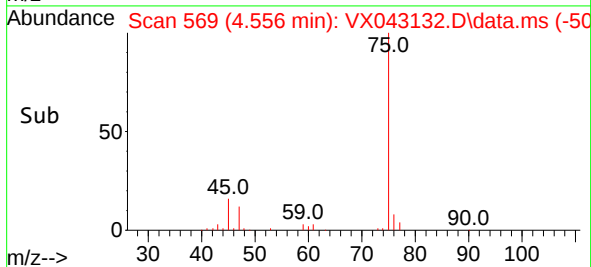
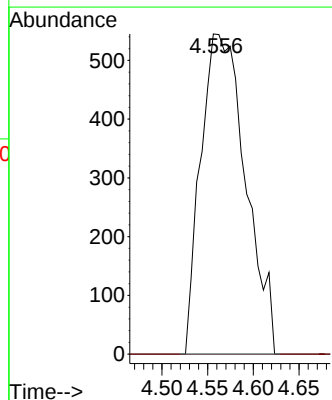
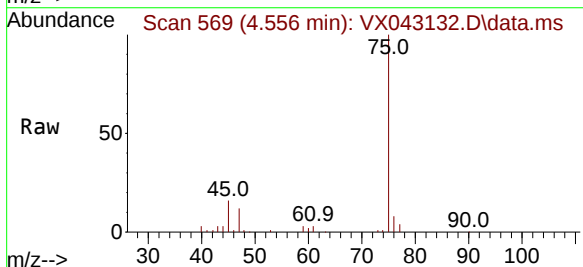
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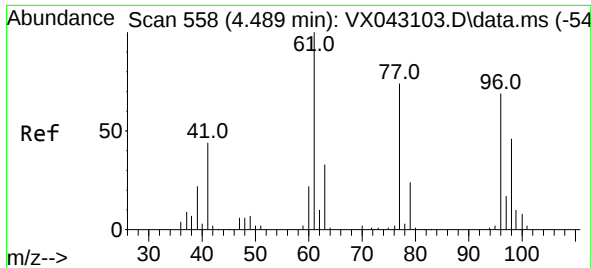
Tgt Ion: 77 Resp: 1858

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#

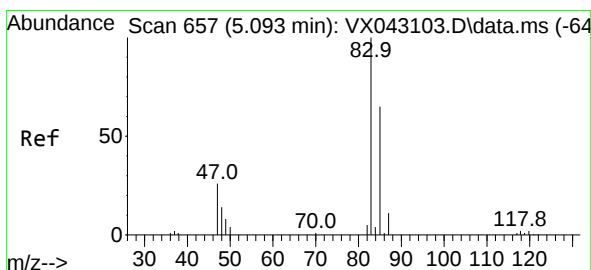
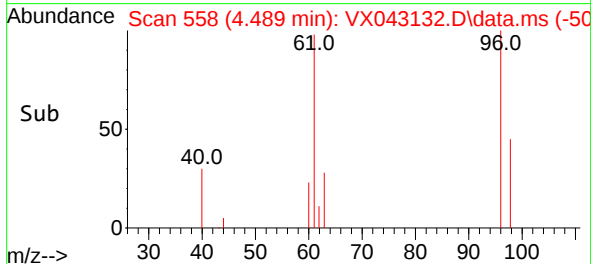
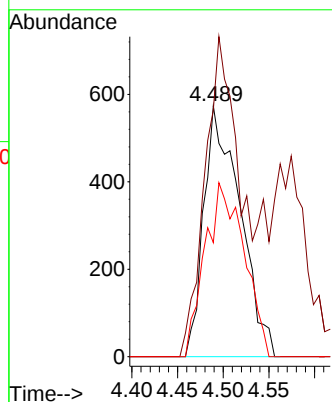
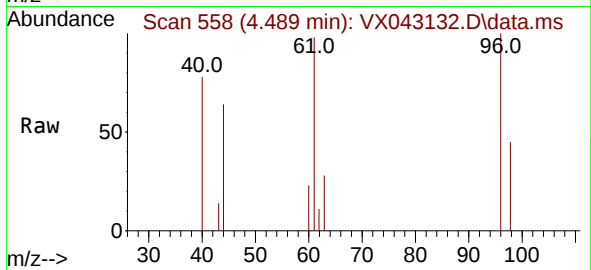




#27
 cis-1,2-Dichloroethene
 Concen: 1.195 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX043132.D
 Acq: 24 Sep 2024 18:54

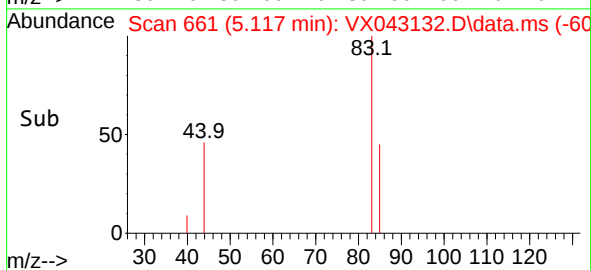
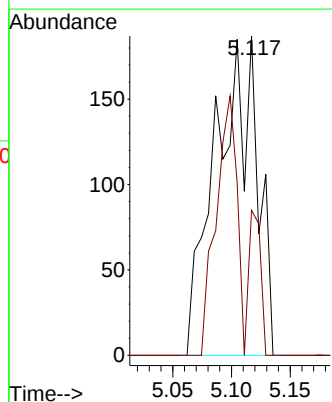
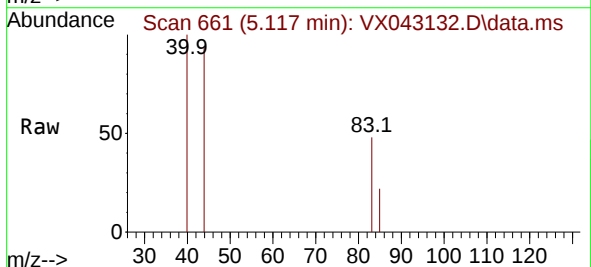
Instrument :
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 ClientSampleId :

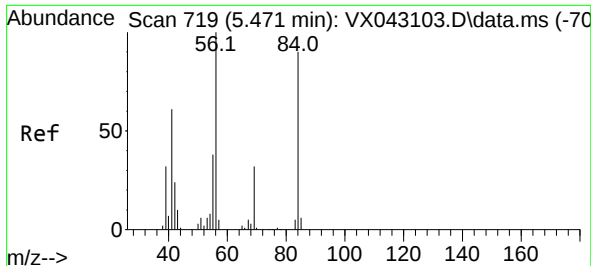
Tgt Ion: 96 Resp: 1580
 Ion Ratio Lower Upper
 96 100
 61 120.3 0.0 297.8
 98 74.7 0.0 131.2



#30
 Chloroform
 Concen: 0.201 ug/l
 RT: 5.117 min Scan# 661
 Delta R.T. 0.024 min
 Lab File: VX043132.D
 Acq: 24 Sep 2024 18:54

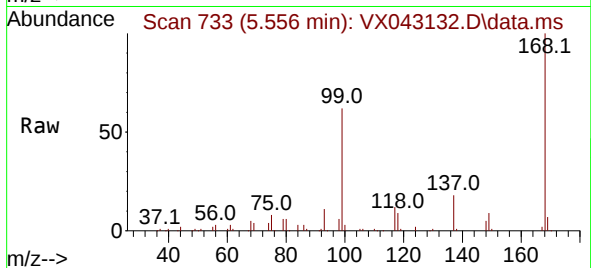
Tgt Ion: 83 Resp: 457
 Ion Ratio Lower Upper
 83 100
 85 45.5 52.4 78.6#



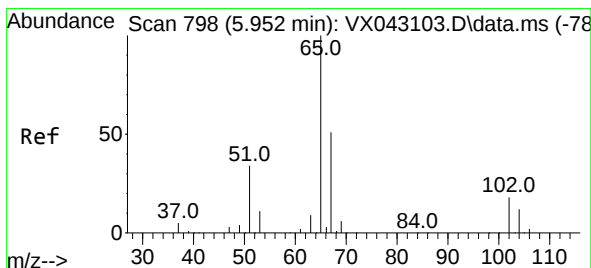
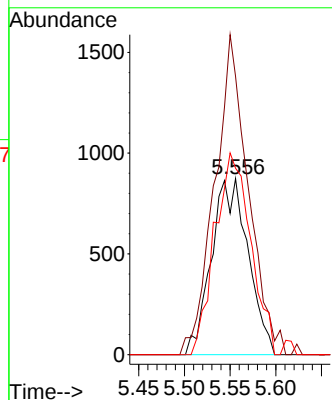
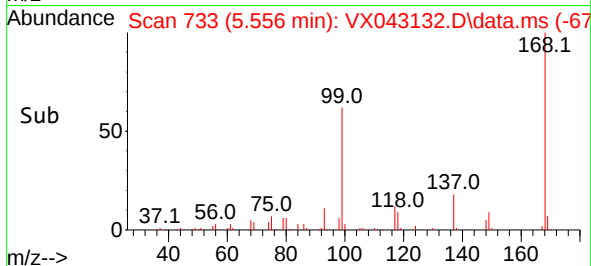


#31
Cyclohexane
Concen: 1.541 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Instrument :
MSVOA_X
ClientSampleId :

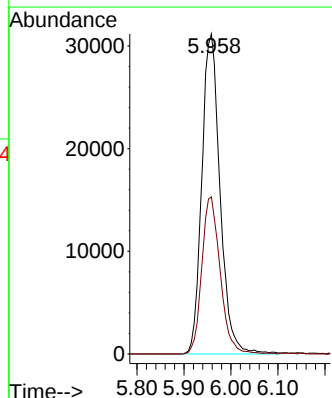
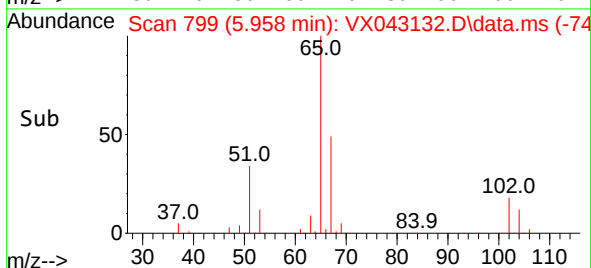
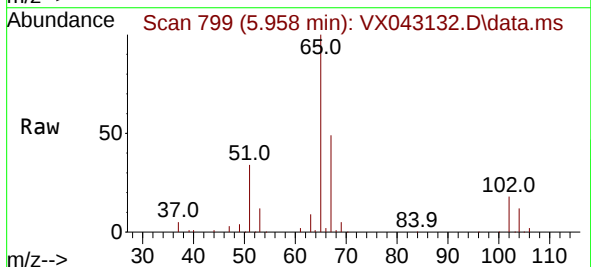


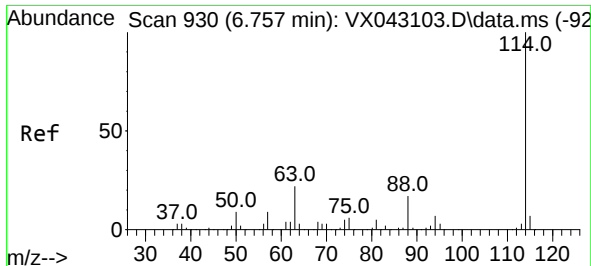
Tgt Ion: 56 Resp: 2438
Ion Ratio Lower Upper
56 100
69 158.0 25.8 38.6#
84 105.8 72.4 108.6



#33
1,2-Dichloroethane-d4
Concen: 52.363 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 65 Resp: 84221
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

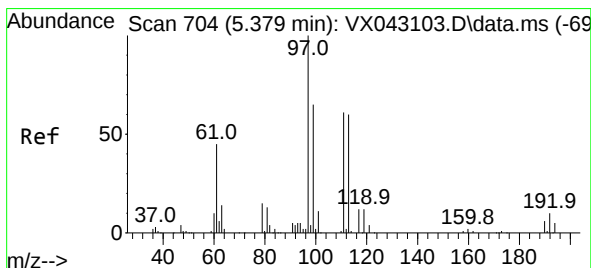
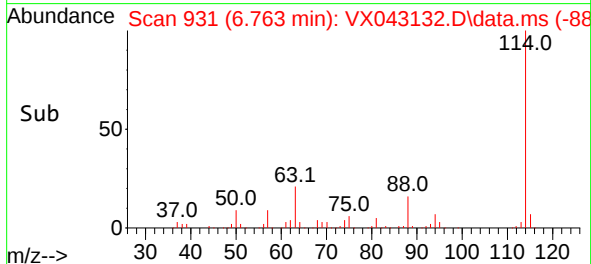
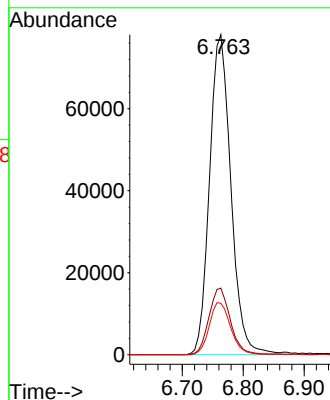
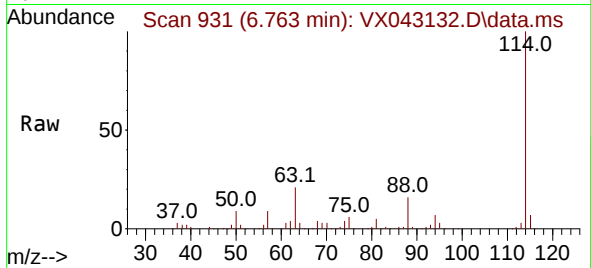




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

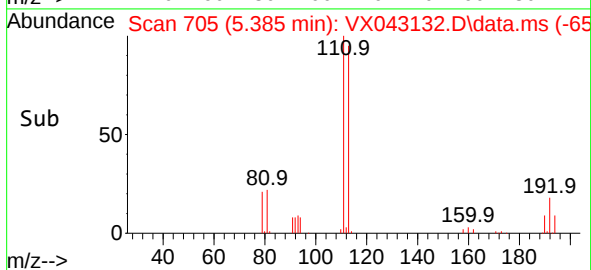
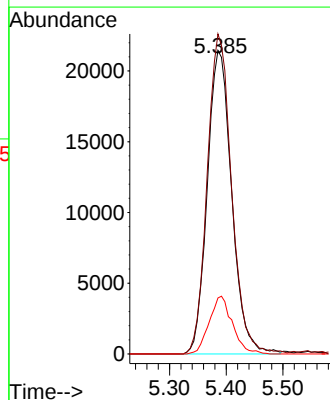
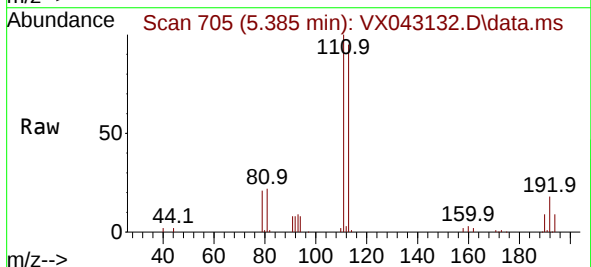
Instrument :
MSVOA_X
ClientSampleId :

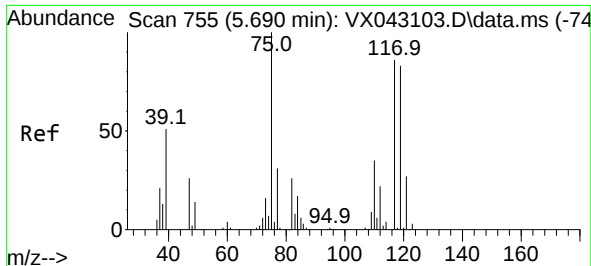
Tgt Ion:114 Resp: 190082
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.2
88 16.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.902 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion:113 Resp: 64232
Ion Ratio Lower Upper
113 100
111 105.0 82.6 124.0
192 18.1 14.6 22.0





#36

1,1-Dichloropropene

Concen: 5.087 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX043132.D

Acq: 24 Sep 2024 18:54

Instrument :

MSVOA_X

ClientSampleId :

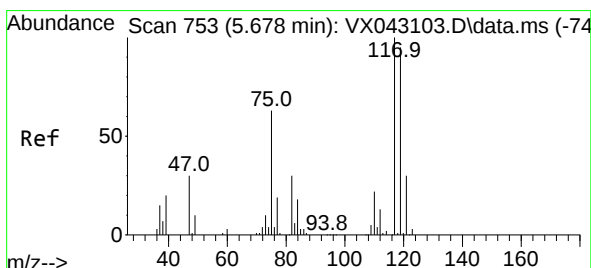
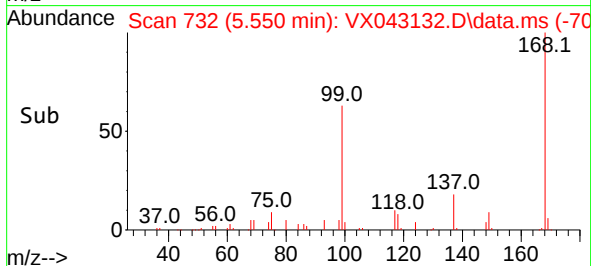
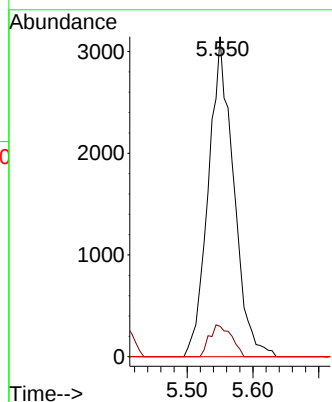
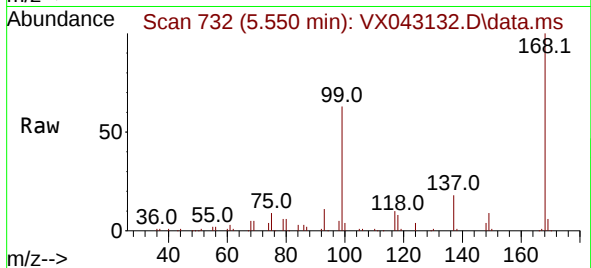
Tgt Ion: 75 Resp: 8382

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.4#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 4.989 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX043132.D

Acq: 24 Sep 2024 18:54

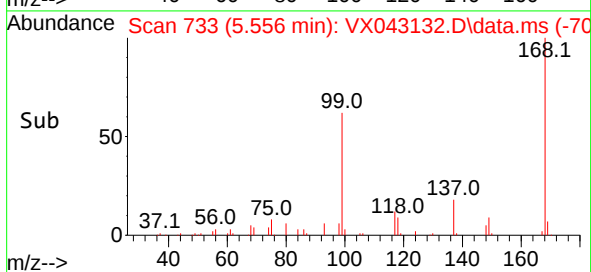
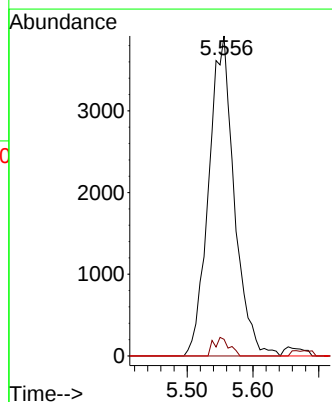
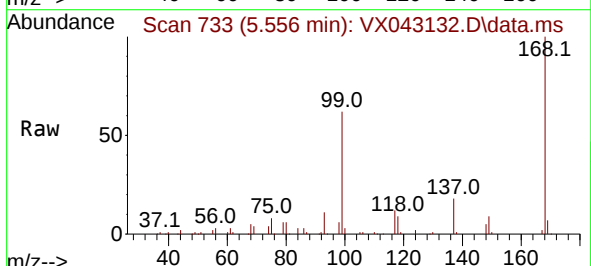
Tgt Ion: 117 Resp: 10588

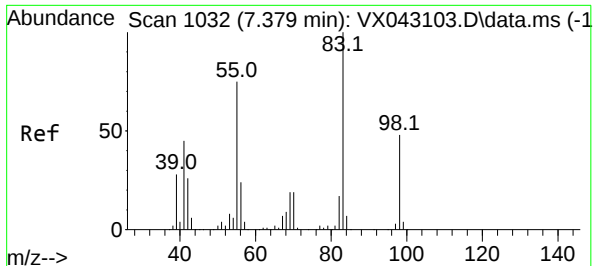
Ion Ratio Lower Upper

117 100

119 5.2 75.5 113.3#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.309 ug/l

RT: 7.135 min Scan# 91

Delta R.T. -0.244 min

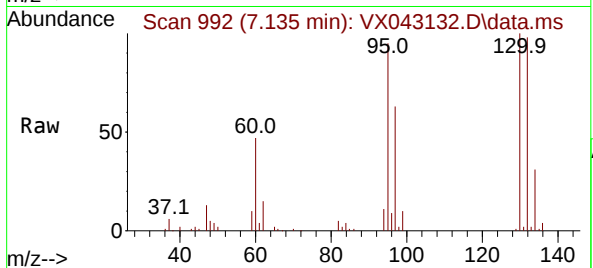
Lab File: VX043132.D

Acq: 24 Sep 2024 18:54

Instrument :

MSVOA_X

ClientSampleId :



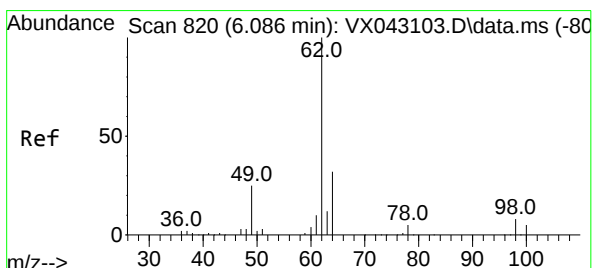
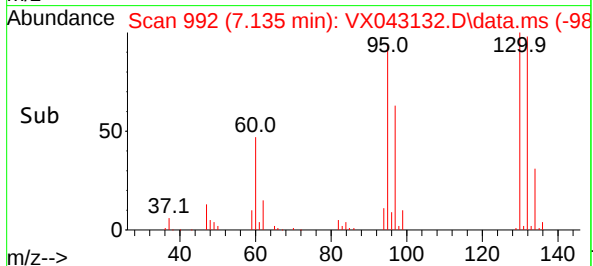
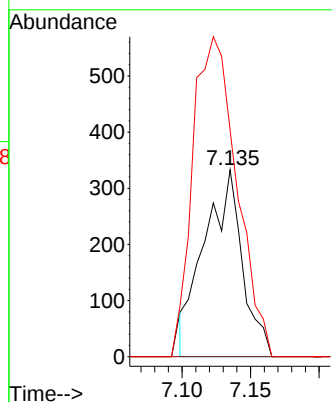
Tgt Ion: 83 Resp: 638

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

98 121.0 38.6 58.0#



#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 6.105 min Scan# 823

Delta R.T. 0.018 min

Lab File: VX043132.D

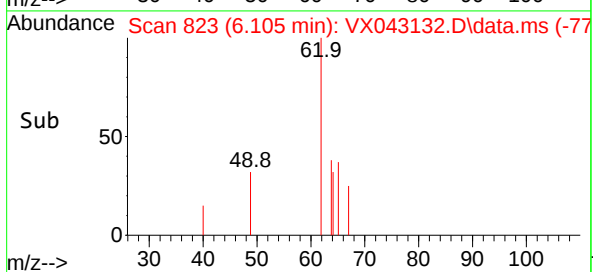
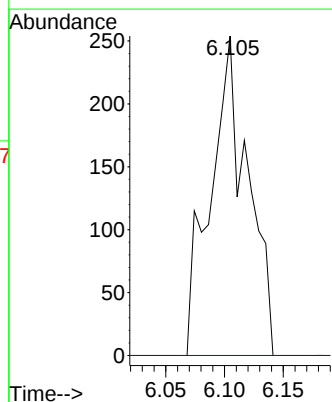
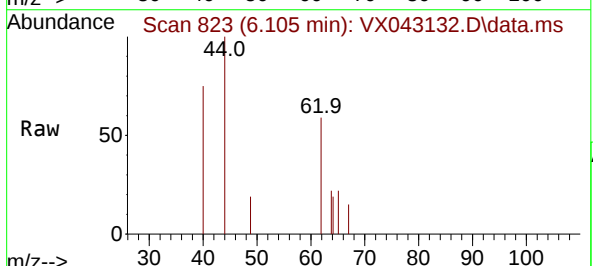
Acq: 24 Sep 2024 18:54

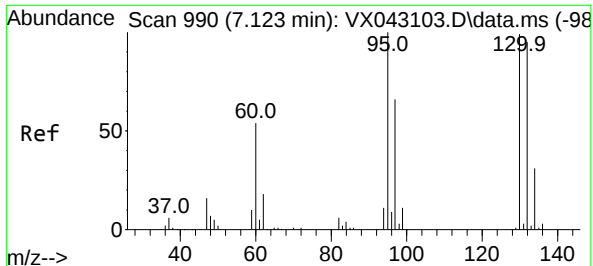
Tgt Ion: 62 Resp: 563

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6

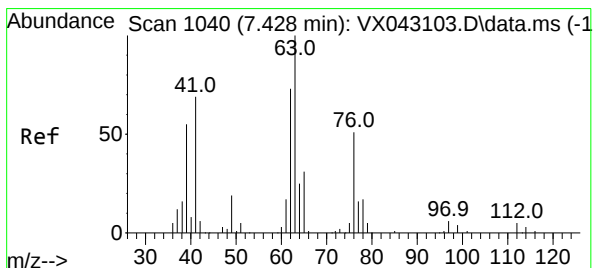
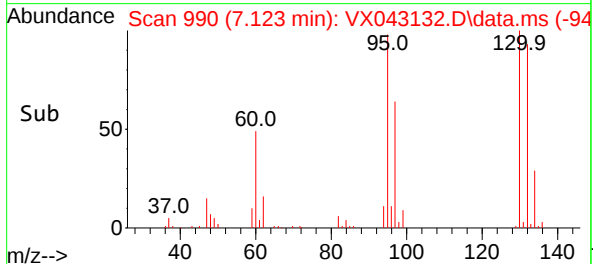
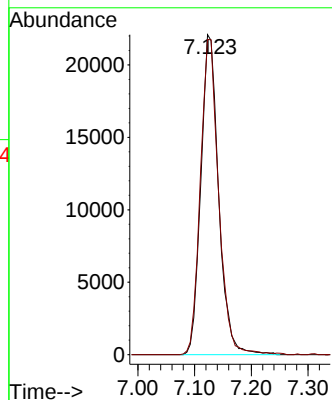
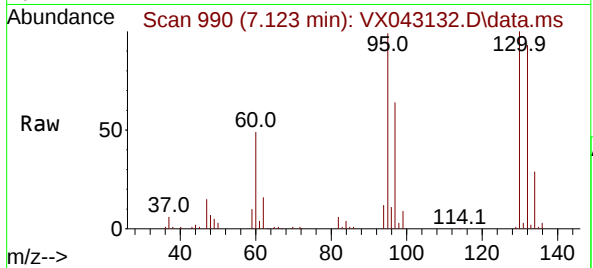




#44
Trichloroethene
Concen: 36.138 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

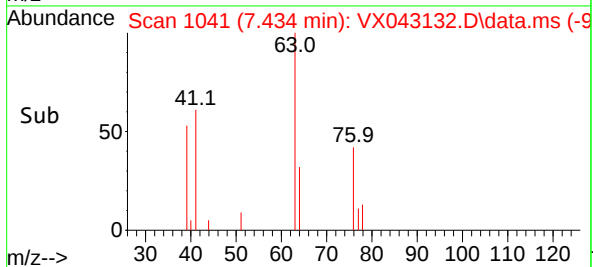
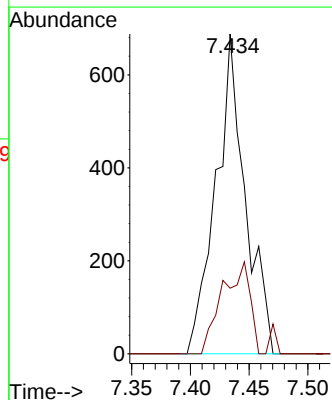
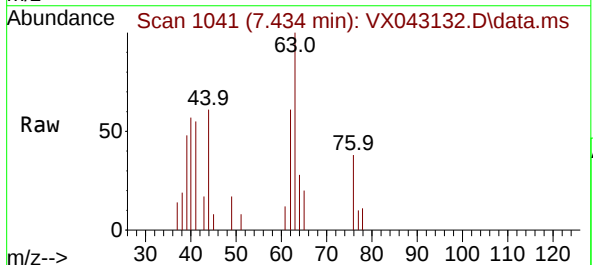
Instrument :
MSVOA_X
ClientSampleId :

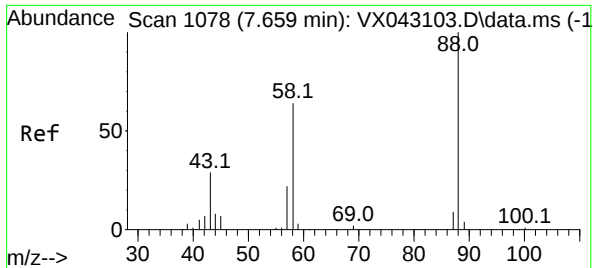
Tgt Ion:130 Resp: 48072
Ion Ratio Lower Upper
130 100
95 98.5 0.0 201.6



#45
1,2-Dichloropropane
Concen: 0.990 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

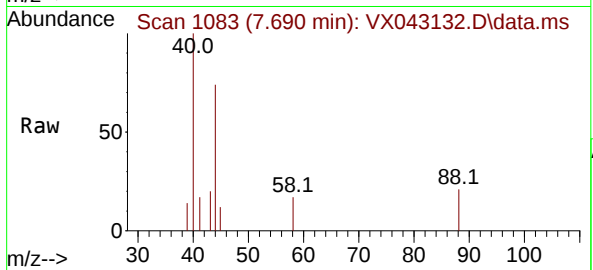
Tgt Ion: 63 Resp: 1199
Ion Ratio Lower Upper
63 100
65 20.5 25.0 37.6#



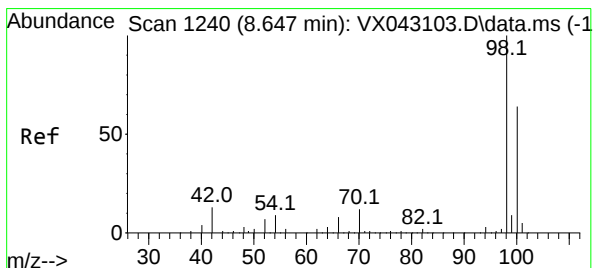
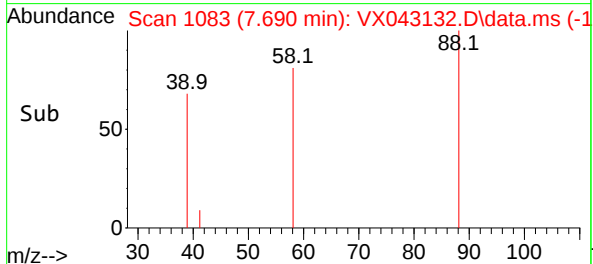
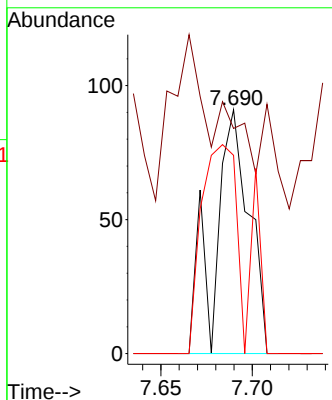


#49
1,4-Dioxane
Concen: 3.713 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Instrument :
MSVOA_X
ClientSampleId :

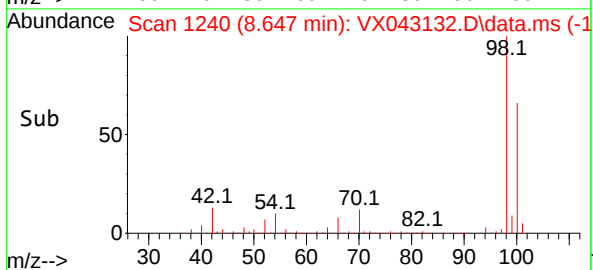
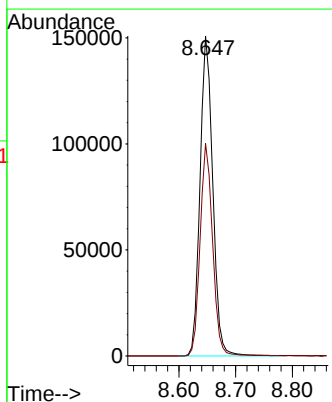
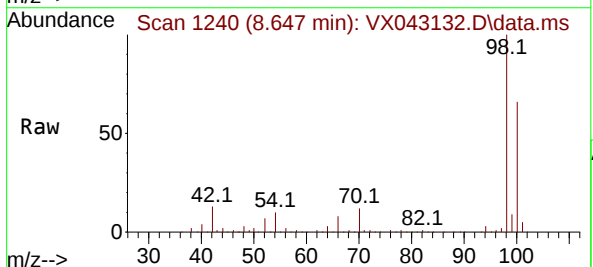


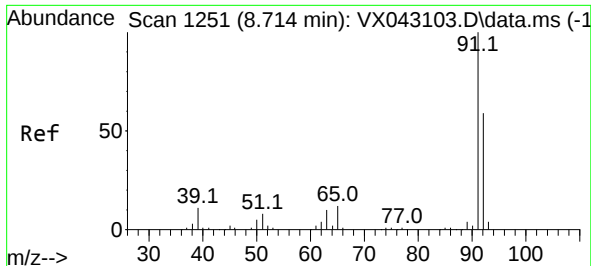
Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 0.0 29.5 44.3#
58 107.6 52.5 78.7#



#50
Toluene-d8
Concen: 51.963 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 98 Resp: 235735
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

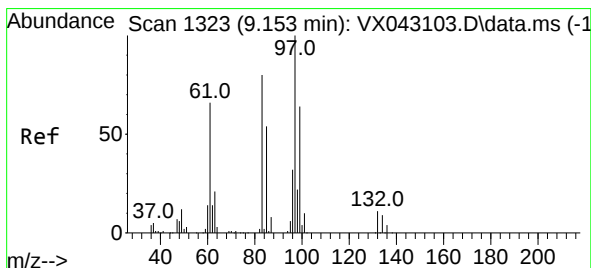
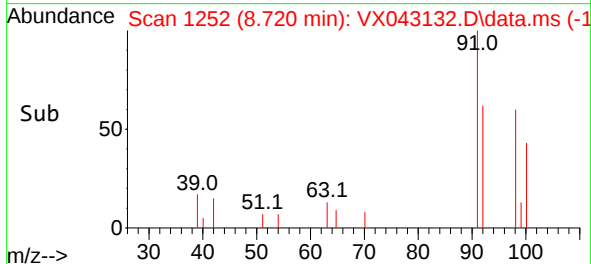
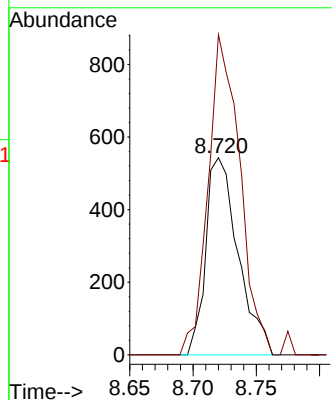
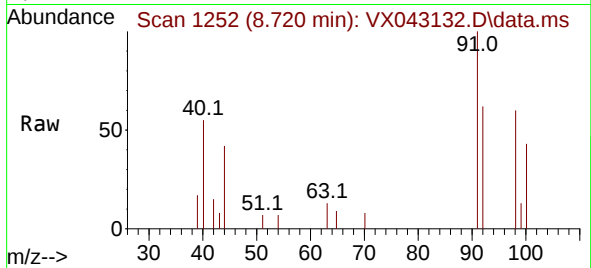




#52
Toluene
Concen: 0.309 ug/l
RT: 8.720 min Scan# 1342
Delta R.T. 0.006 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

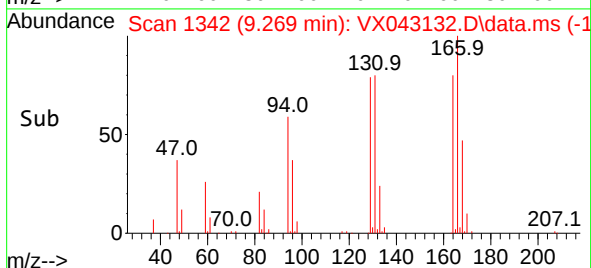
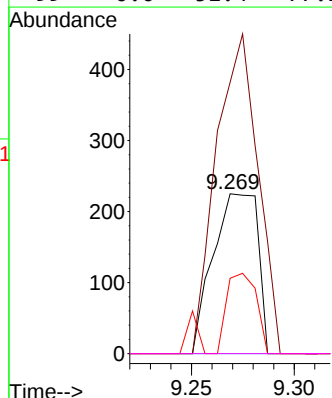
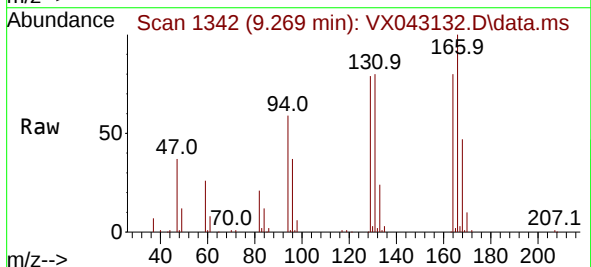
Instrument :
MSVOA_X
ClientSampleId :

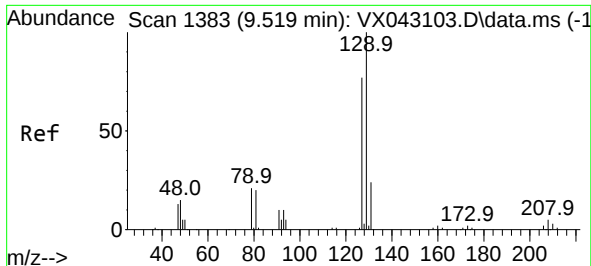
Tgt Ion: 92 Resp: 967
Ion Ratio Lower Upper
92 100
91 159.4 135.9 203.9



#55
1,1,2-Trichloroethane
Concen: 0.264 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.116 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 97 Resp: 340
Ion Ratio Lower Upper
97 100
83 169.8 64.2 96.4#
85 47.1 43.0 64.6
99 0.0 51.4 77.2#

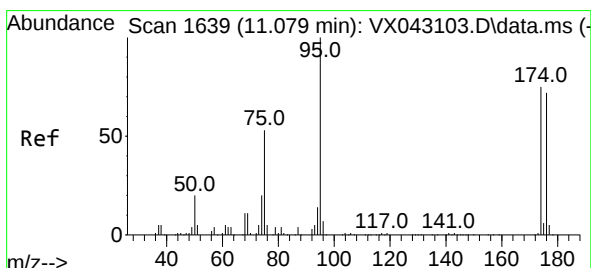
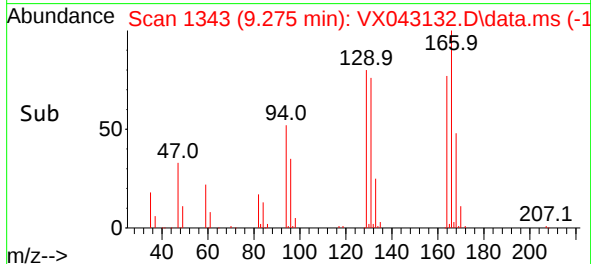
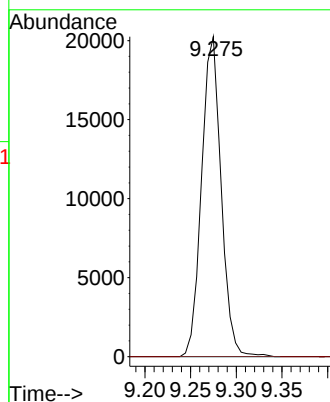
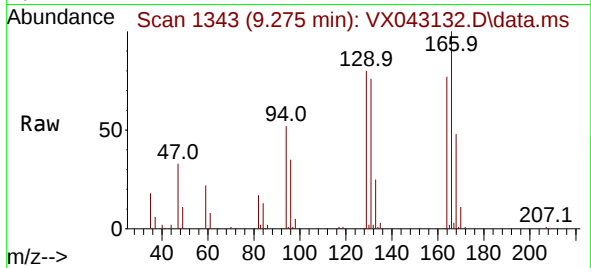




#60
Dibromochloromethane
Concen: 17.890 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

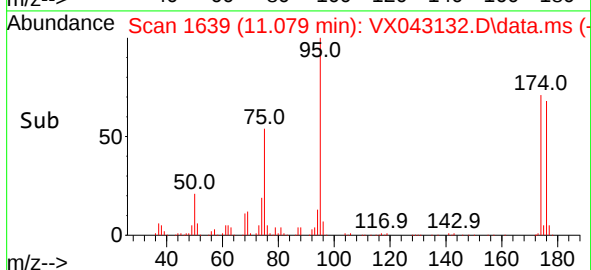
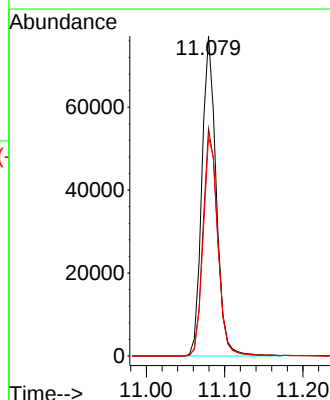
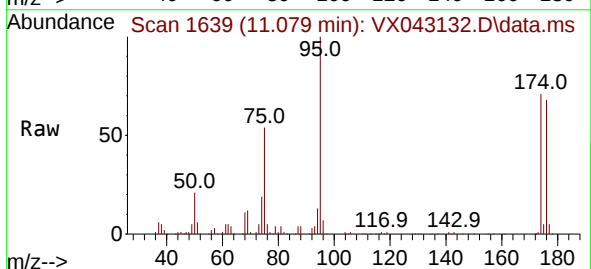
Instrument :
MSVOA_X
ClientSampleId :

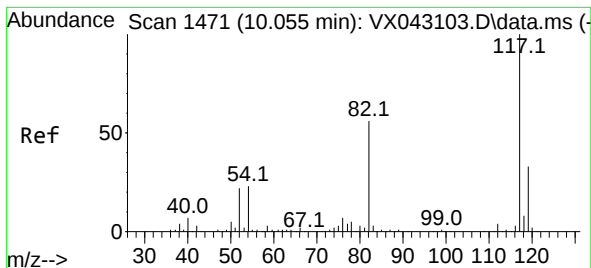
Tgt Ion:129 Resp: 30118
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#



#62
4-Bromofluorobenzene
Concen: 53.643 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 95 Resp: 98003
Ion Ratio Lower Upper
95 100
174 72.4 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: VX043132.D

Acq: 24 Sep 2024 18:54

Instrument :

MSVOA_X

ClientSampleId :

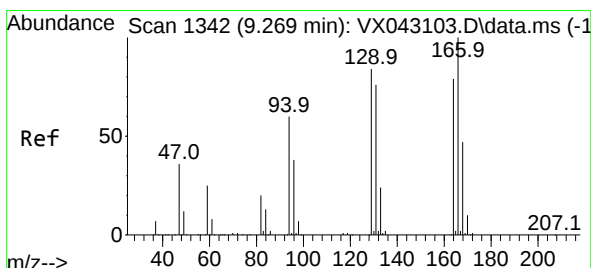
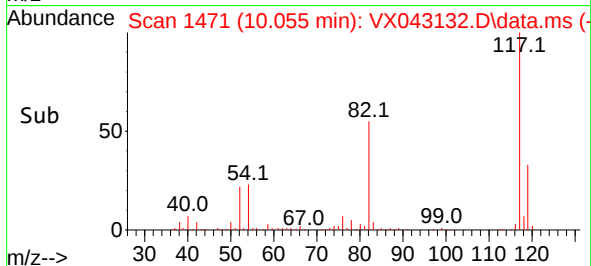
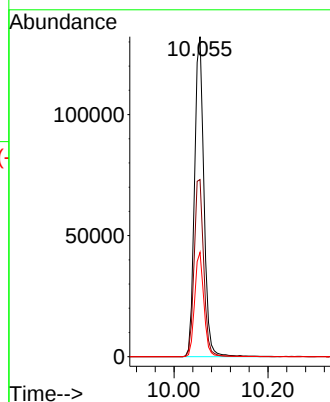
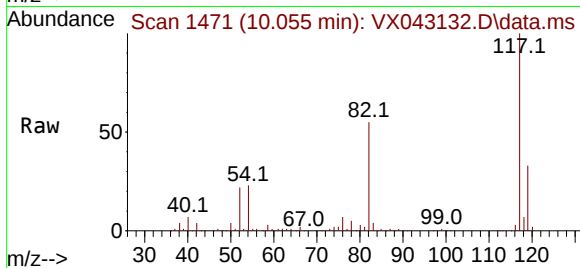
Tgt Ion:117 Resp: 184595

Ion Ratio Lower Upper

117 100

82 55.3 44.7 67.1

119 32.6 26.3 39.5



#64

Tetrachloroethene

Concen: 22.411 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043132.D

Acq: 24 Sep 2024 18:54

Tgt Ion:164 Resp: 29974

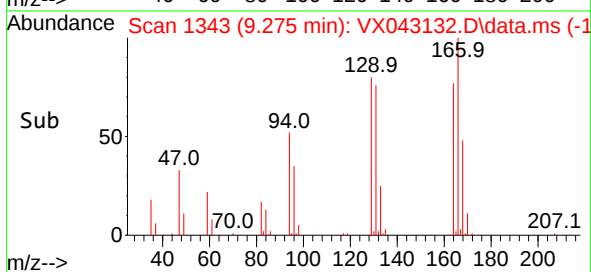
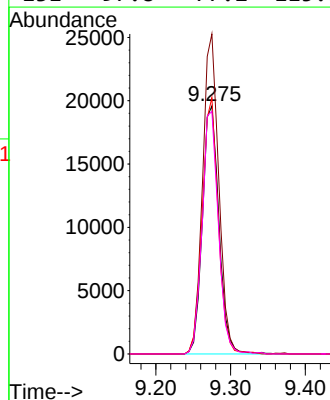
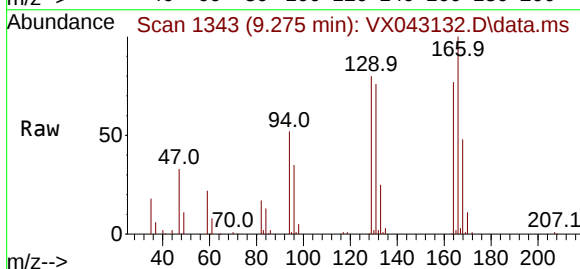
Ion Ratio Lower Upper

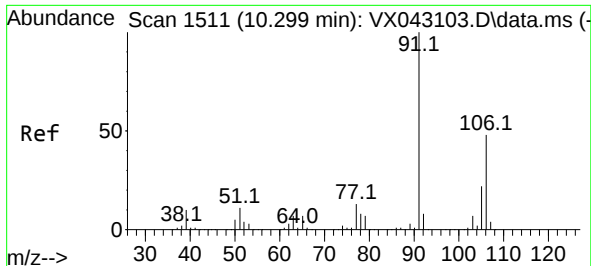
164 100

166 129.0 101.2 151.8

129 103.4 84.7 127.1

131 97.8 77.2 115.8

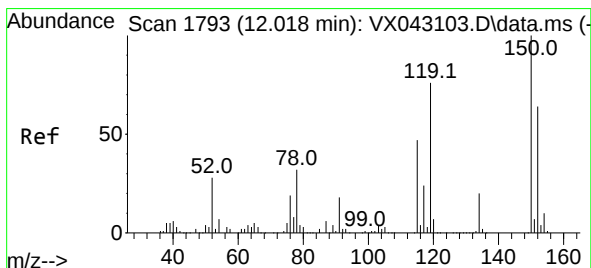
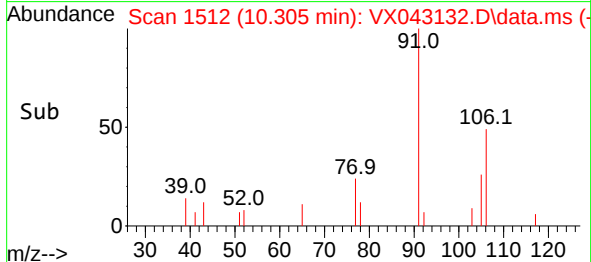
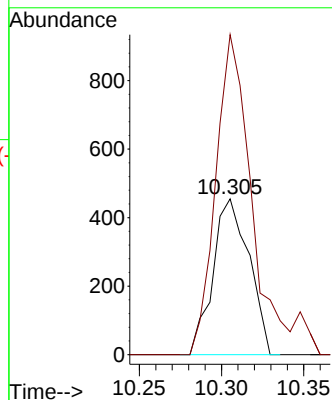
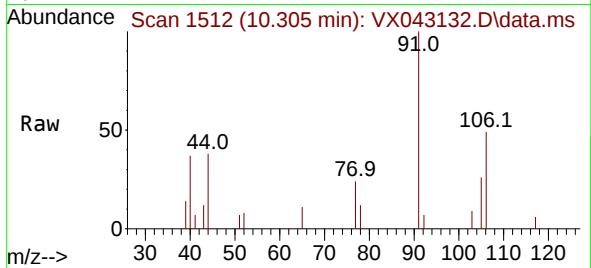




#68
m/p-Xylenes
Concen: 0.271 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

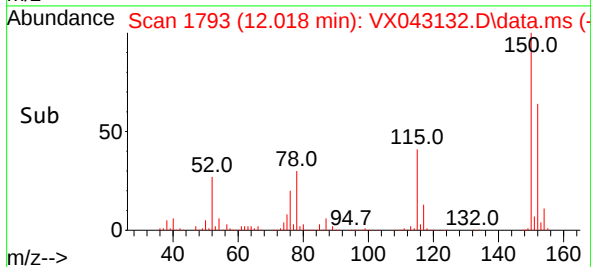
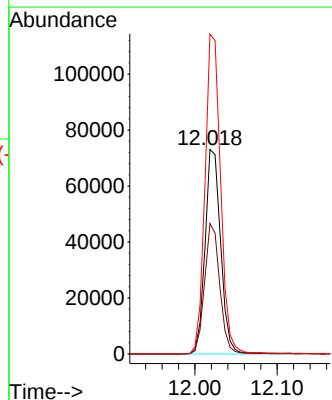
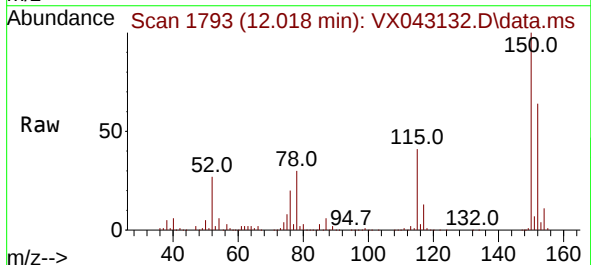
Instrument :
MSVOA_X
ClientSampleId :

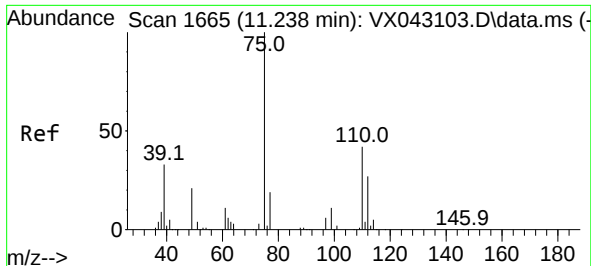
Tgt Ion:106 Resp: 695
Ion Ratio Lower Upper
106 100
91 210.8 167.5 251.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion:152 Resp: 96243
Ion Ratio Lower Upper
152 100
115 62.4 43.7 131.1
150 157.4 0.0 344.6

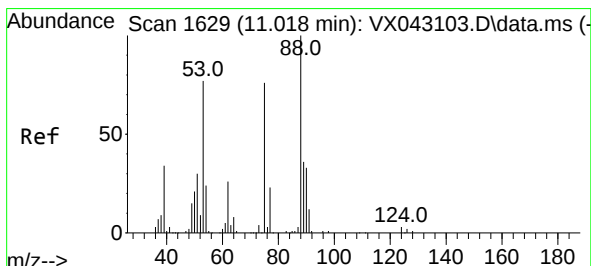
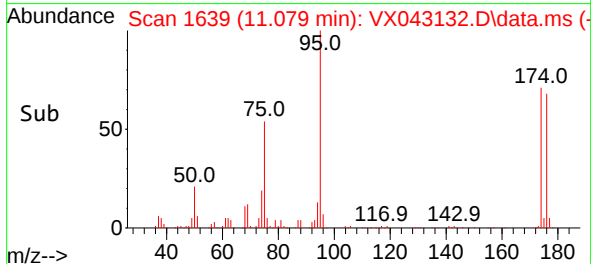
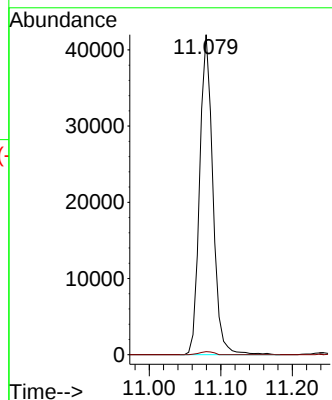
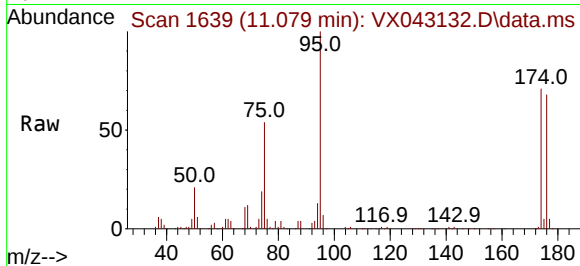




#76
1,2,3-Trichloropropane
Concen: 26.263 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

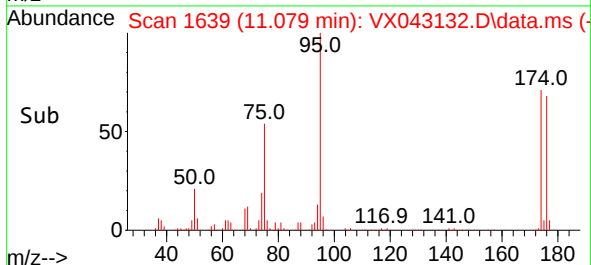
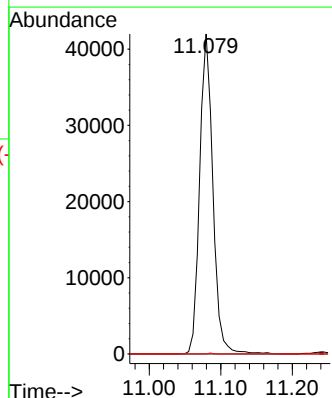
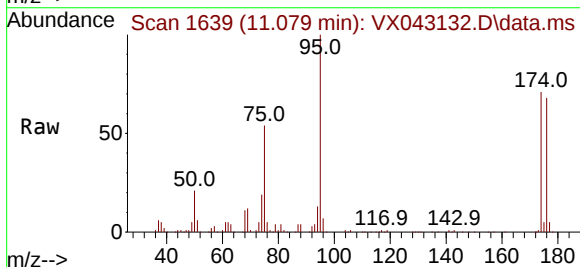
Instrument :
MSVOA_X
ClientSampleId :

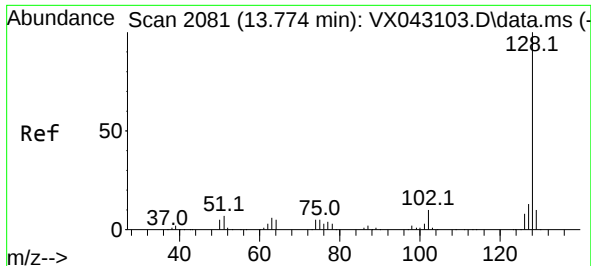
Tgt Ion: 75 Resp: 53739
Ion Ratio Lower Upper
75 100
77 1.0 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.574 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043132.D
Acq: 24 Sep 2024 18:54

Tgt Ion: 75 Resp: 53739
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.1 38.8 58.2#





#95

Naphthalene

Concen: 4.049 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

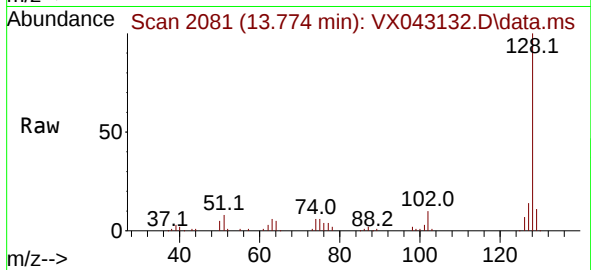
Lab File: VX043132.D

Acq: 24 Sep 2024 18:54

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 27147

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 11.1 8.6 13.0

