

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092624\
 Data File : VX043170.D
 Acq On : 26 Sep 2024 12:06
 Operator : JC/MD
 Sample : P4164-17DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 27 01:40:06 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)

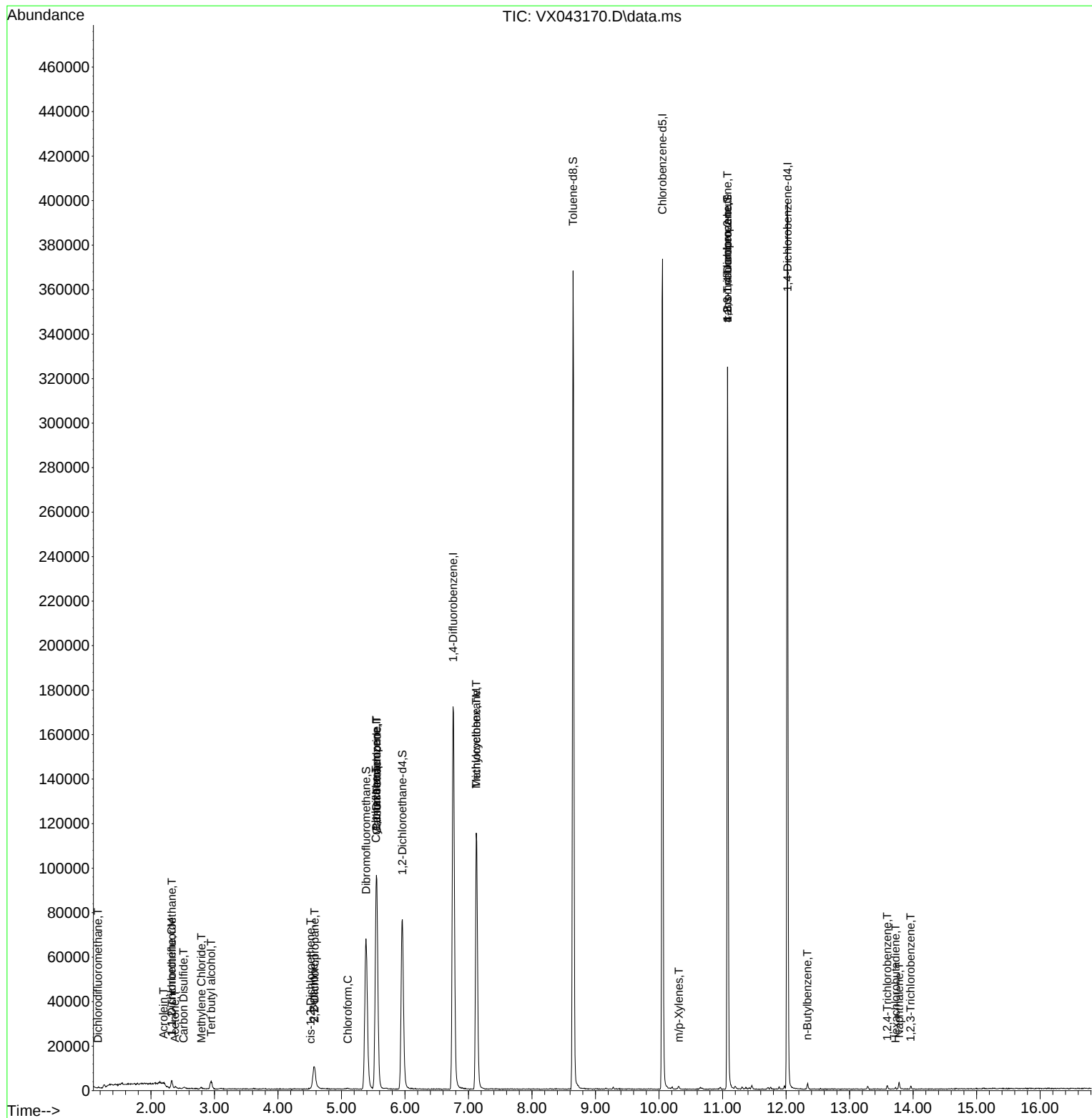
Internal Standards						
1) Pentafluorobenzene	5.550	168	87083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176001	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78479	54.255	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.500%			
35) Dibromofluoromethane	5.385	113	60126	48.427	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.860%			
50) Toluene-d8	8.647	98	213722	50.880	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.760%			
62) 4-Bromofluorobenzene	11.079	95	84544	49.979	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	240	0.258	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	808	0.837	ug/l #	84
11) Tert butyl alcohol	2.947	59	1876	5.809	ug/l #	71
12) 1,1-Dichloroethene	2.325	96	512	0.555	ug/l #	65
13) Acrolein	2.197	56	119	2.797	ug/l #	1
16) Acetone	2.380	43	1053	1.557	ug/l	92
17) Carbon Disulfide	2.514	76	528	0.230	ug/l #	75
20) Methylene Chloride	2.794	84	261	0.243	ug/l #	76
25) 2-Butanone	4.562	43	857	0.983	ug/l #	49
26) 2,2-Dichloropropane	4.574	77	809	0.431	ug/l #	54
27) cis-1,2-Dichloroethene	4.513	96	285	0.240	ug/l	36
30) Chloroform	5.099	83	574	0.281	ug/l	86
31) Cyclohexane	5.544	56	2233	1.570	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	7807	5.117	ug/l #	49
38) Carbon Tetrachloride	5.556	117	9737	4.955	ug/l #	16
39) Methylcyclohexane	7.123	83	490	0.256	ug/l #	1
44) Trichloroethene	7.123	130	44636	36.239	ug/l	95
68) m/p-Xylenes	10.311	106	457	0.201	ug/l	78
76) 1,2,3-Trichloropropane	11.079	75	47061	26.946	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	47061	64.202	ug/l #	7
89) n-Butylbenzene	12.335	91	980	0.210	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	724	0.440	ug/l	85
94) Hexachlorobutadiene	13.725	225	185	0.267	ug/l	65
95) Naphthalene	13.780	128	2898	0.506	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	500	0.306	ug/l	99

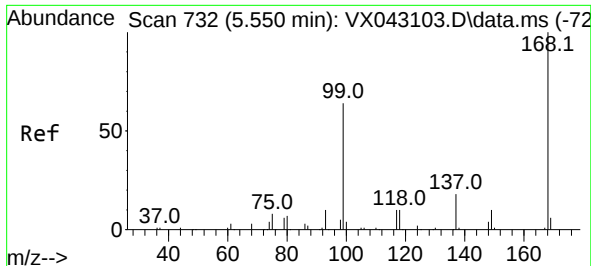
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092624\
Data File : VX043170.D
Acq On : 26 Sep 2024 12:06
Operator : JC/MD
Sample : P4164-17DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 27 01:40:06 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



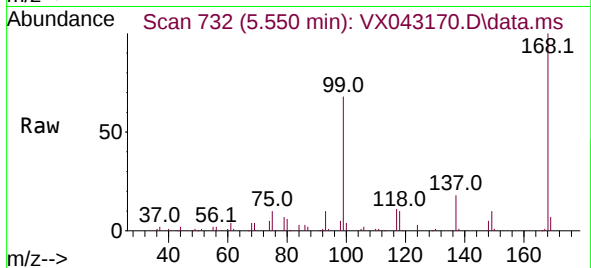


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

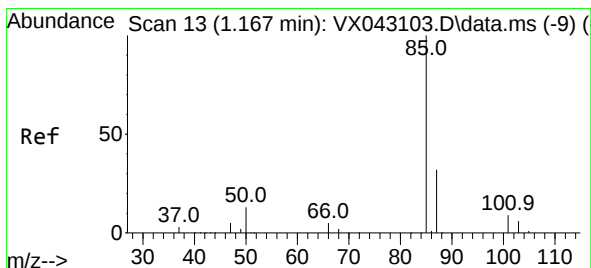
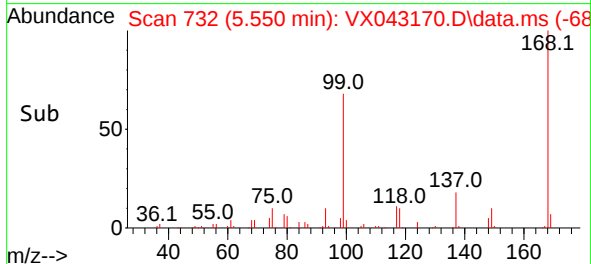
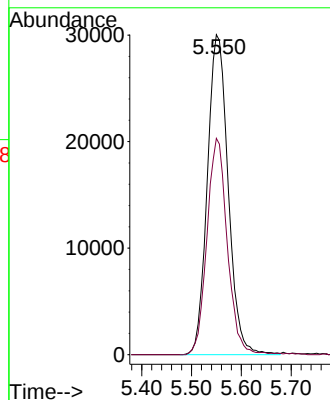
Instrument :

MSVOA_X

ClientSampleId :

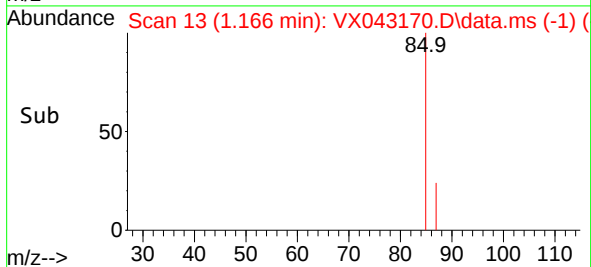
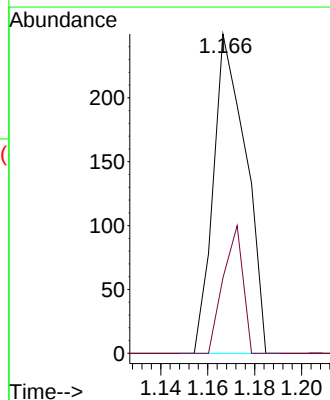
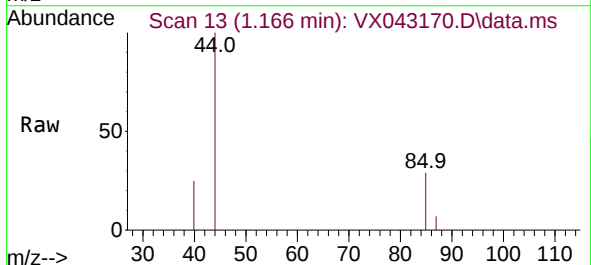


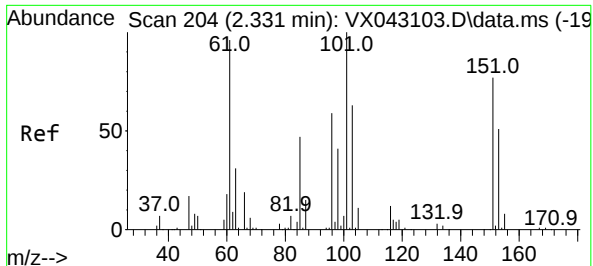
Tgt Ion:168 Resp: 87083
Ion Ratio Lower Upper
168 100
99 67.6 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 0.258 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

Tgt Ion: 85 Resp: 240
Ion Ratio Lower Upper
85 100
87 23.6 16.1 48.2

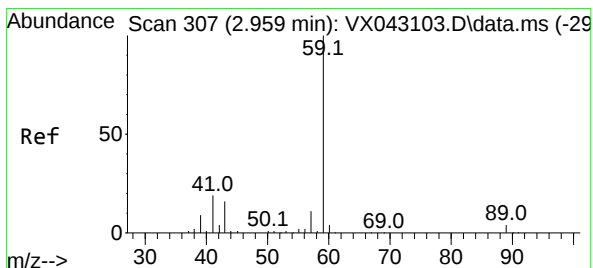
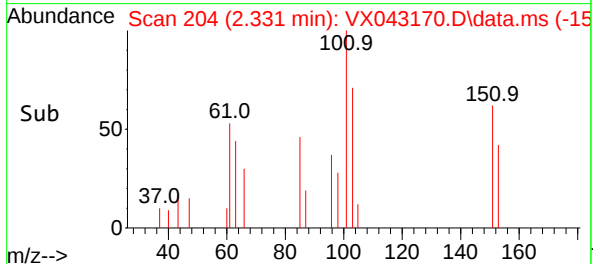
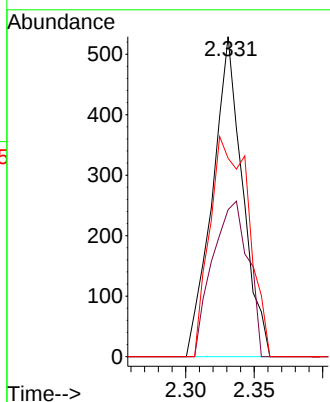
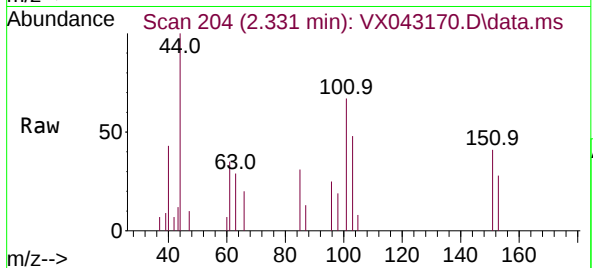




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.837 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

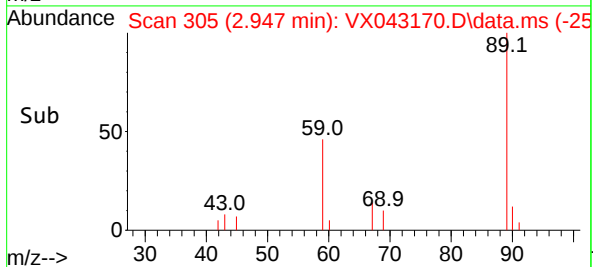
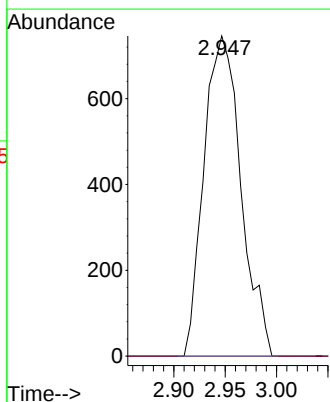
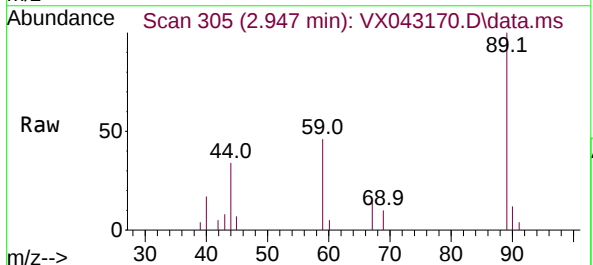
Instrument :
MSVOA_X
ClientSampleId :

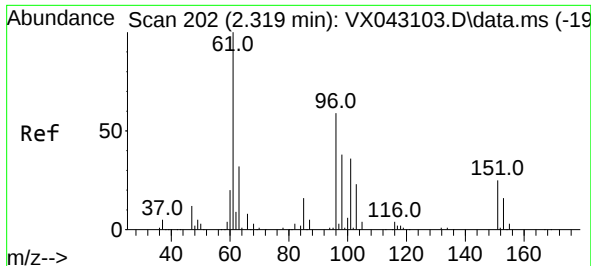
Tgt Ion:101 Resp: 808
Ion Ratio Lower Upper
101 100
85 57.5 37.0 55.4#
151 88.2 60.2 90.4



#11
Tert butyl alcohol
Concen: 5.809 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

Tgt Ion: 59 Resp: 1876
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#12

1,1-Dichloroethene

Concen: 0.555 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

Instrument :

MSVOA_X

ClientSampleId :

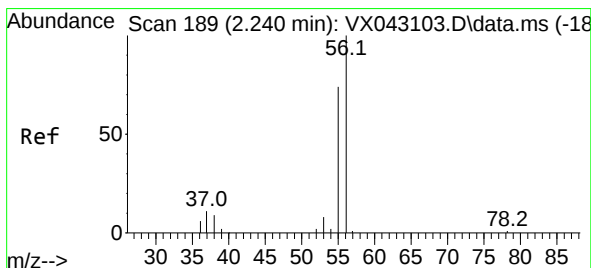
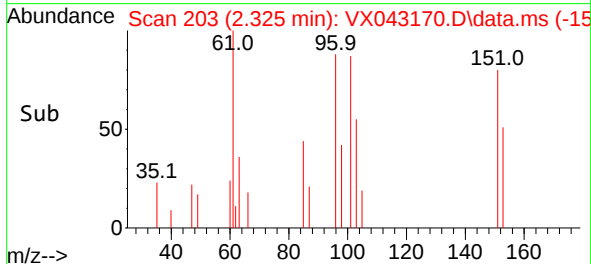
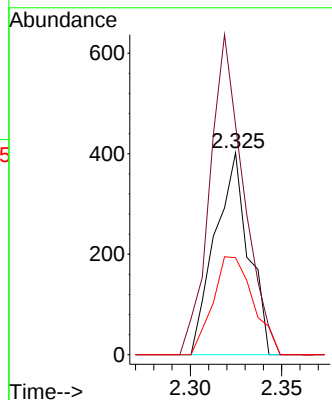
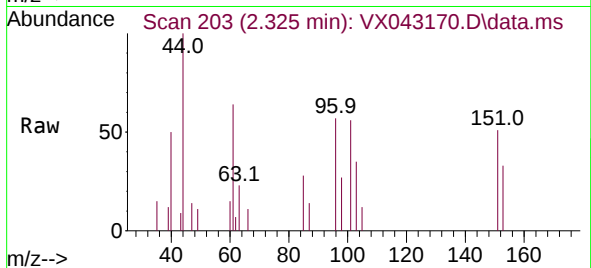
Tgt Ion: 96 Resp: 512

Ion Ratio Lower Upper

96 100

61 113.7 134.7 202.1#

98 48.0 51.6 77.4#



#13

Acrolein

Concen: 2.797 ug/l

RT: 2.197 min Scan# 182

Delta R.T. -0.043 min

Lab File: VX043170.D

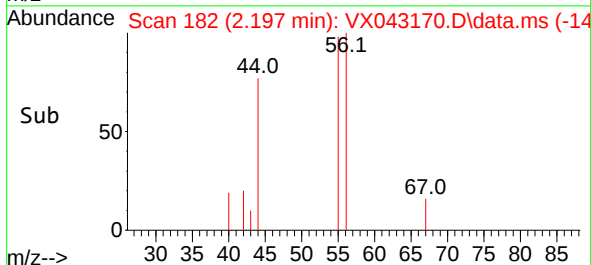
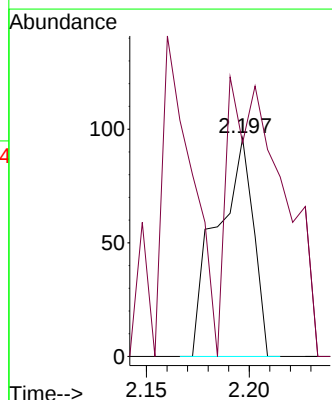
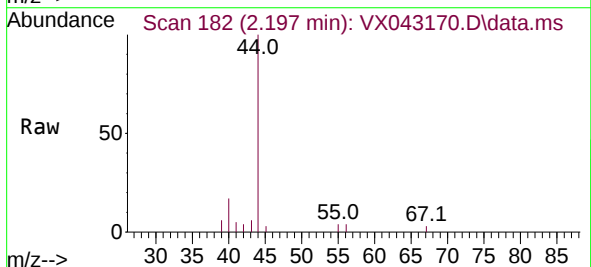
Acq: 26 Sep 2024 12:06

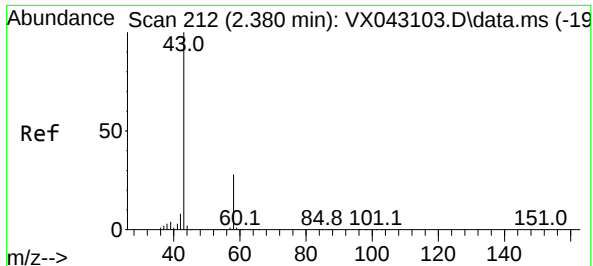
Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

55 194.1 55.8 83.6#

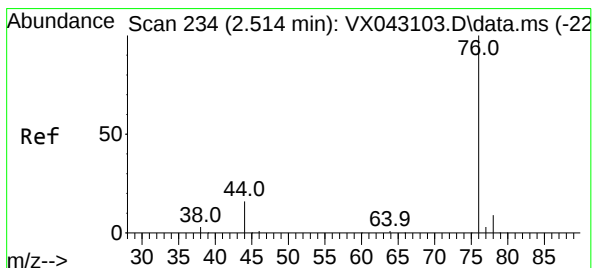
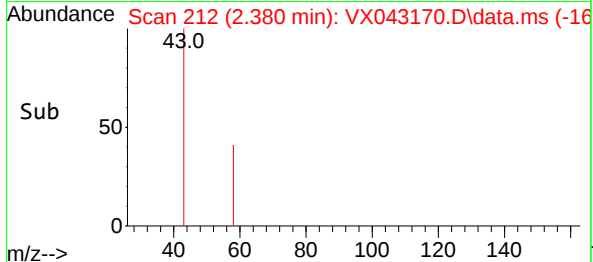
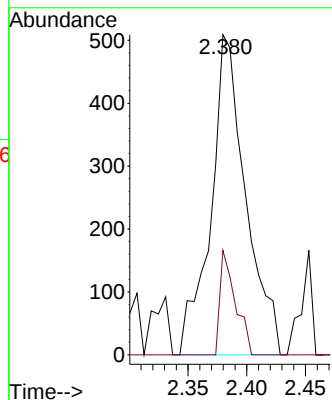
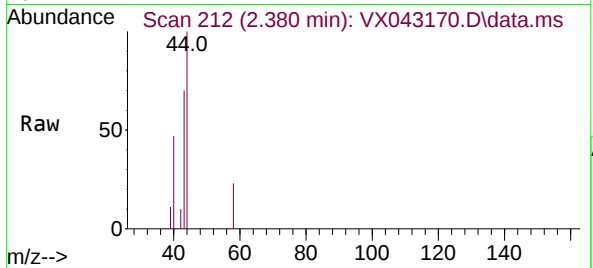




#16
Acetone
Concen: 1.557 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

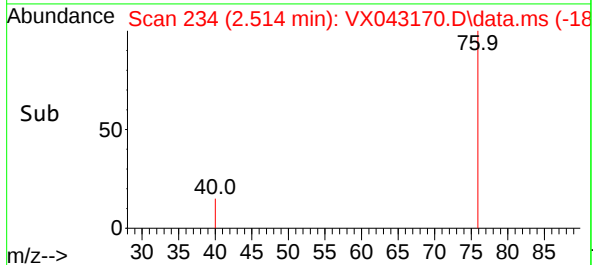
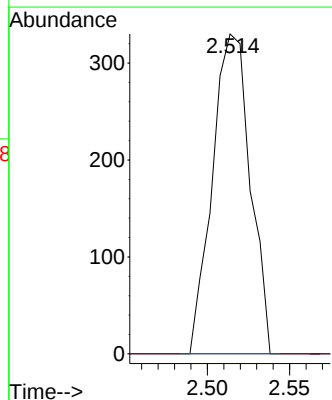
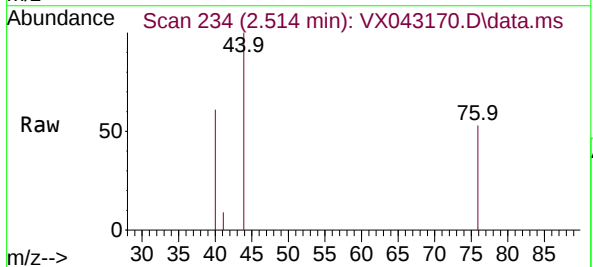
Instrument :
MSVOA_X
ClientSampleId :

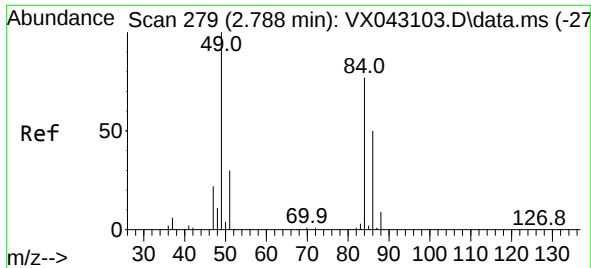
Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
58 32.6 22.6 34.0



#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

Tgt Ion: 76 Resp: 528
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

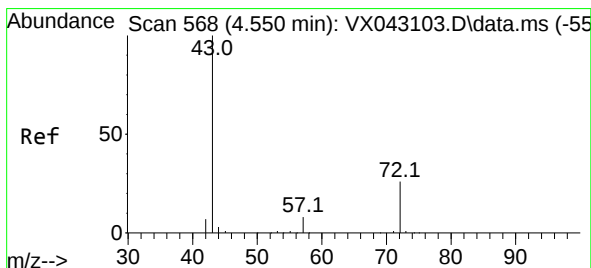
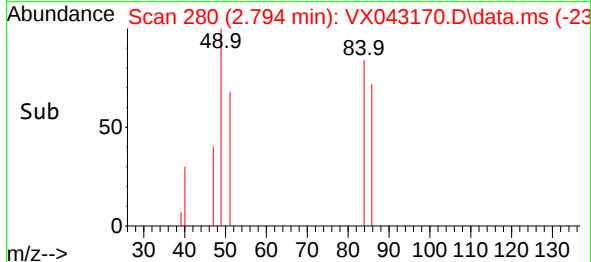
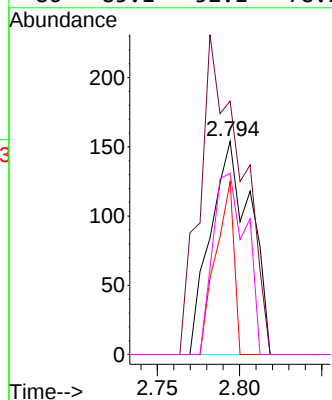
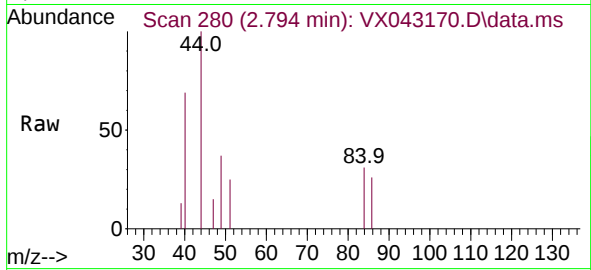




#20
Methylene Chloride
Concen: 0.243 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

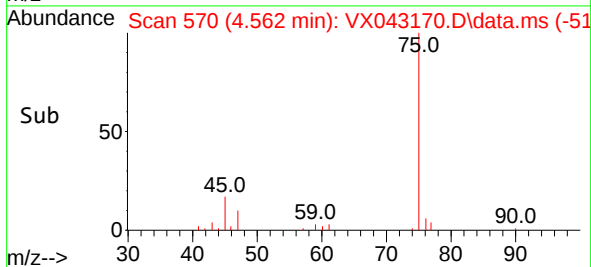
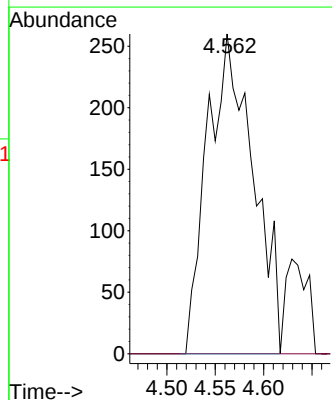
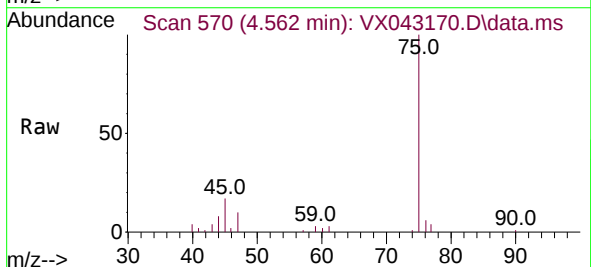
Instrument :
MSVOA_X
ClientSampleId :

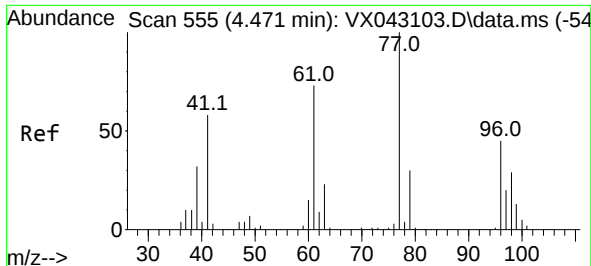
Tgt Ion: 84 Resp: 261
Ion Ratio Lower Upper
84 100
49 118.8 104.1 156.1
51 81.2 31.1 46.7#
86 85.1 52.1 78.1#



#25
2-Butanone
Concen: 0.983 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.012 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#

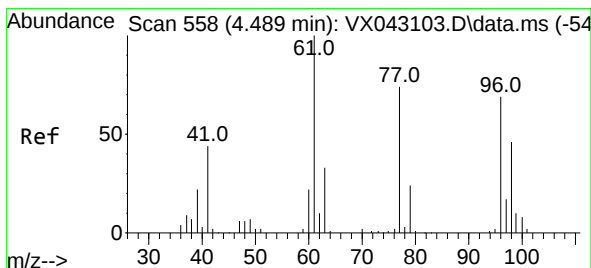
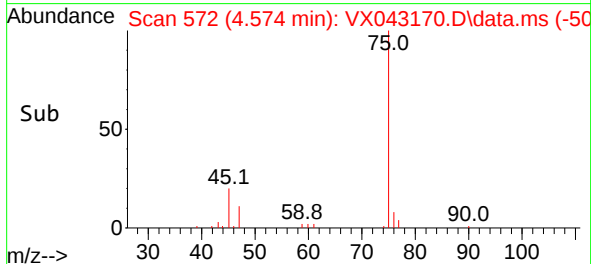
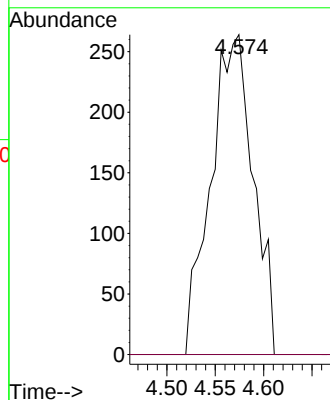
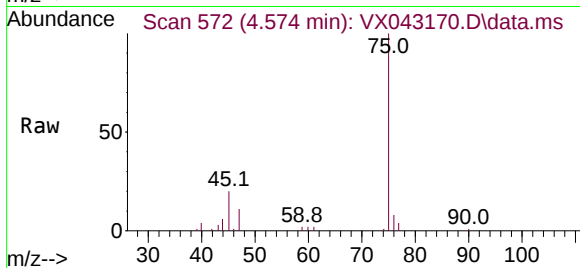




#26
2,2-Dichloropropane
Concen: 0.431 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.104 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

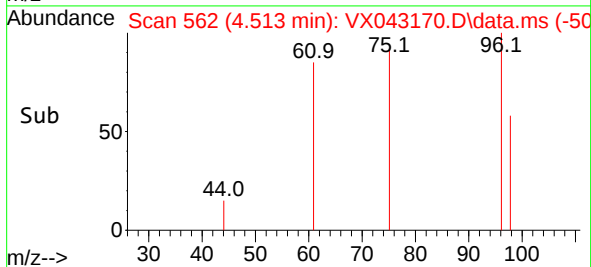
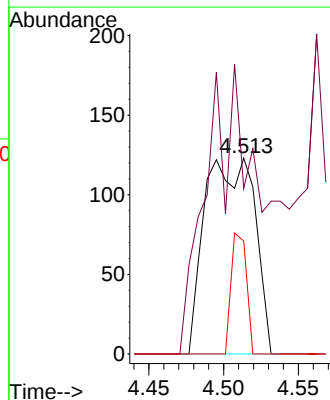
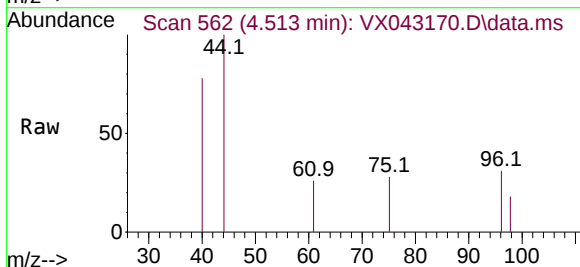
Instrument :
MSVOA_X
ClientSampleId :

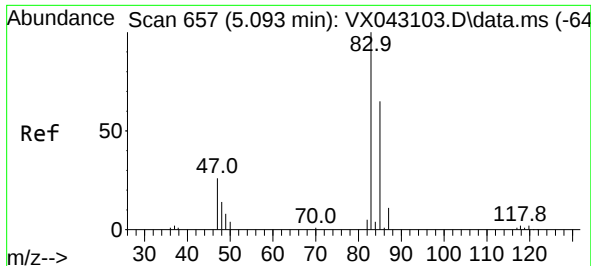
Tgt Ion: 77 Resp: 809
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#27
cis-1,2-Dichloroethene
Concen: 0.240 ug/l
RT: 4.513 min Scan# 562
Delta R.T. 0.024 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

Tgt Ion: 96 Resp: 285
Ion Ratio Lower Upper
96 100
61 64.9 0.0 297.8
98 18.9 0.0 131.2





#30

Chloroform

Concen: 0.281 ug/l

RT: 5.099 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

Instrument :

MSVOA_X

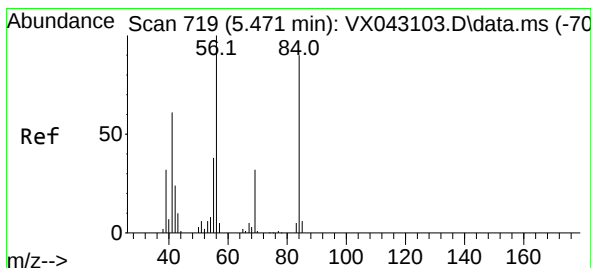
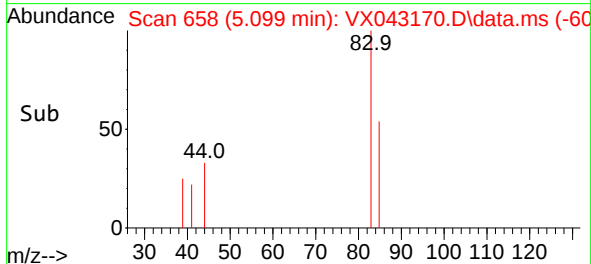
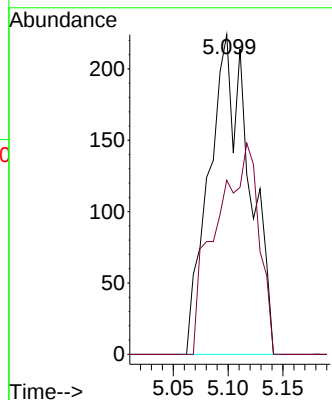
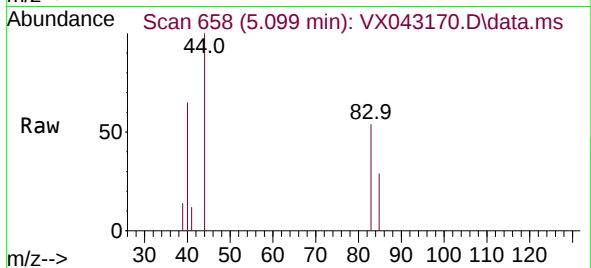
ClientSampleId :

Tgt Ion: 83 Resp: 574

Ion Ratio Lower Upper

83 100

85 54.5 52.4 78.6



#31

Cyclohexane

Concen: 1.570 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

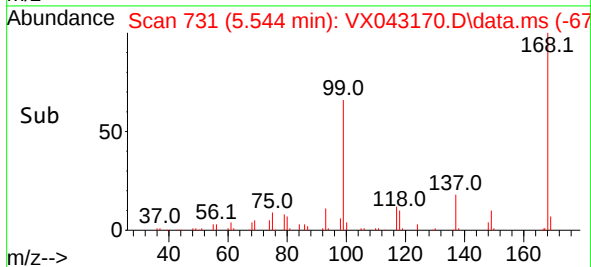
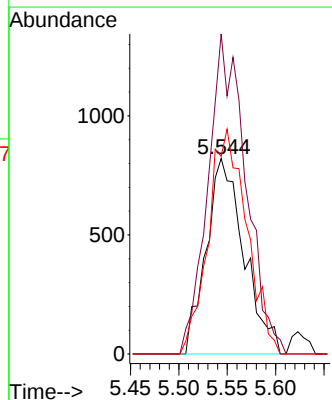
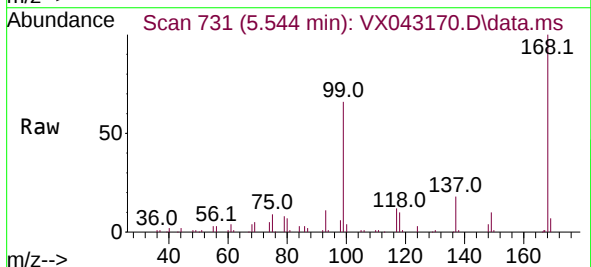
Tgt Ion: 56 Resp: 2233

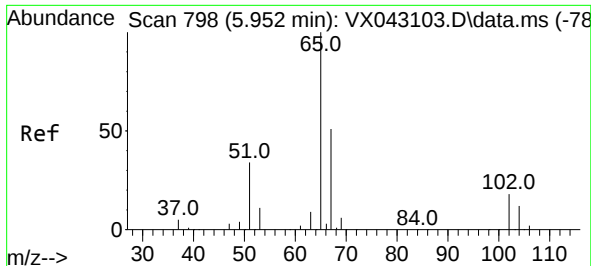
Ion Ratio Lower Upper

56 100

69 163.7 25.8 38.6#

84 101.1 72.4 108.6





#33

1,2-Dichloroethane-d4

Concen: 54.255 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

Instrument :

MSVOA_X

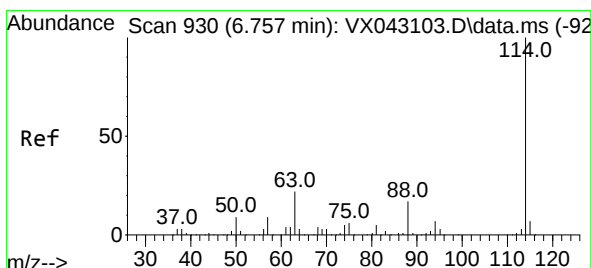
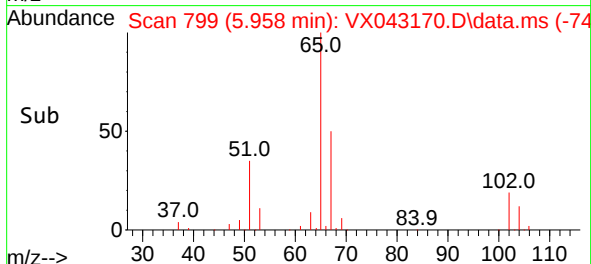
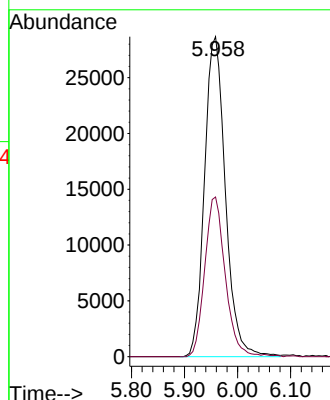
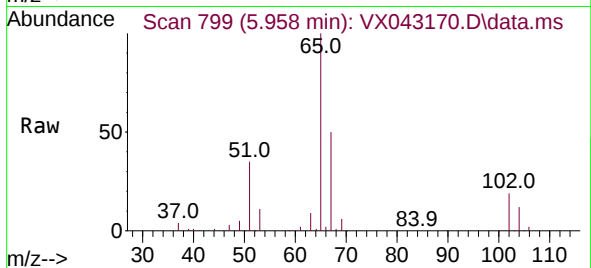
ClientSampleId :

Tgt Ion: 65 Resp: 78479

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

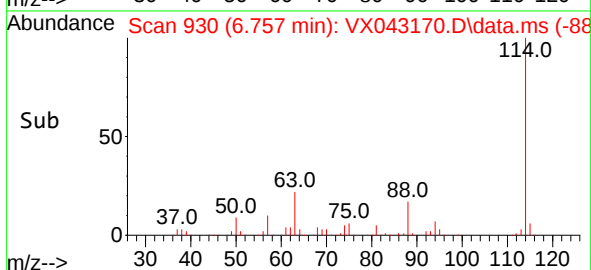
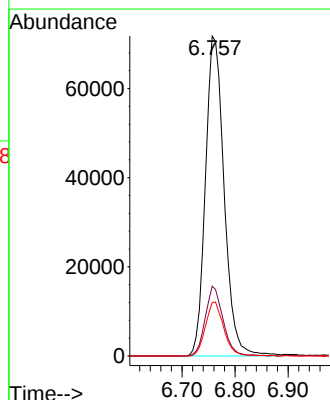
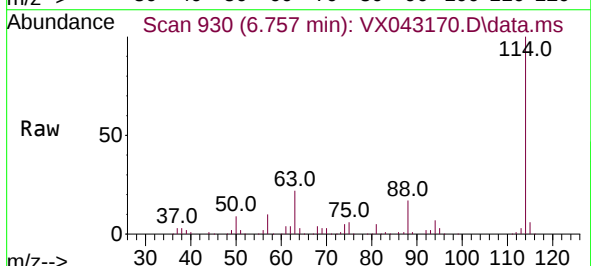
Tgt Ion: 114 Resp: 176001

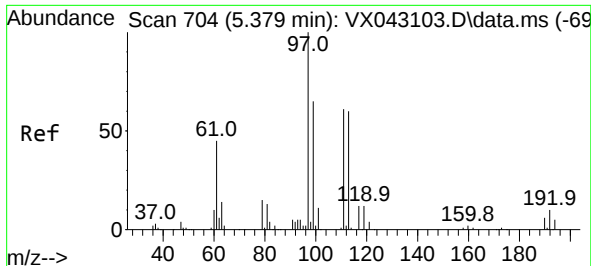
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

88 16.7 0.0 33.4

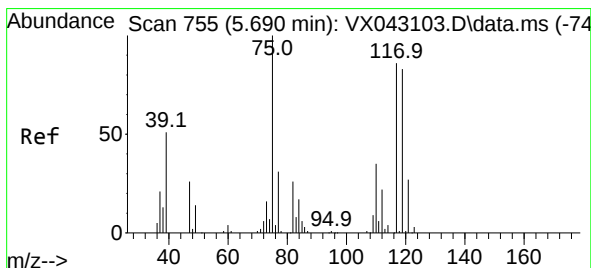
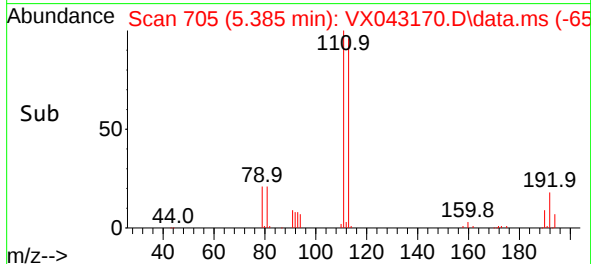
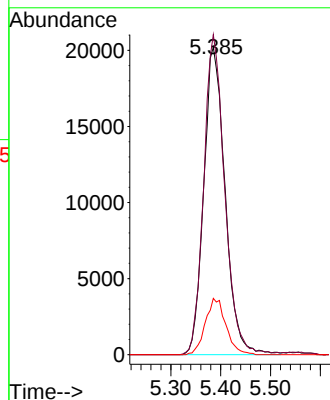
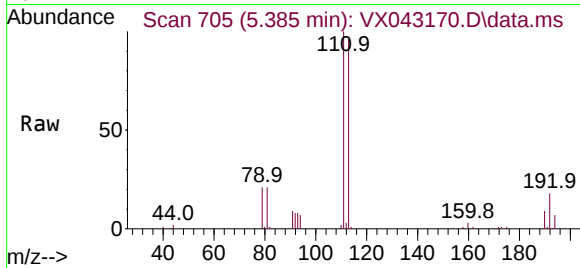




#35
Dibromofluoromethane
Concen: 48.427 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

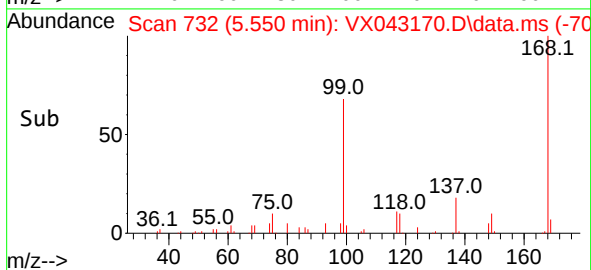
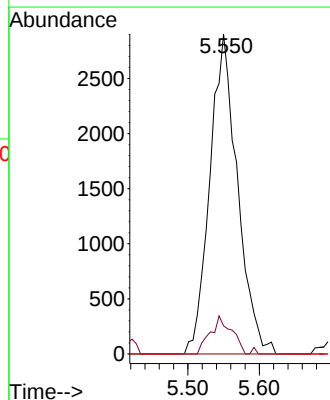
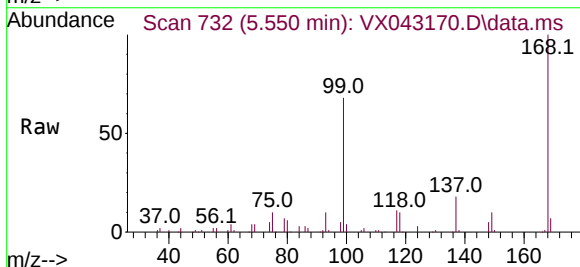
Instrument :
MSVOA_X
ClientSampleId :

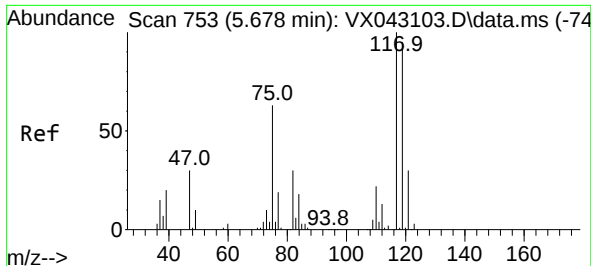
Tgt Ion:113 Resp: 60126
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 17.7 14.6 22.0



#36
1,1-Dichloropropene
Concen: 5.117 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

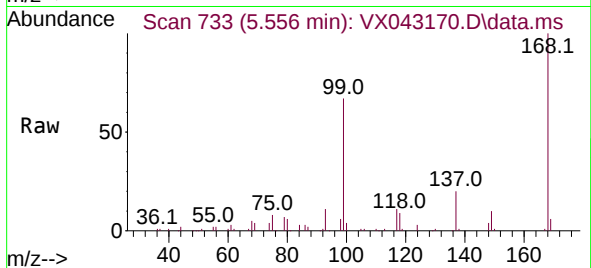
Tgt Ion: 75 Resp: 7807
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.4#
77 0.0 25.2 37.8#



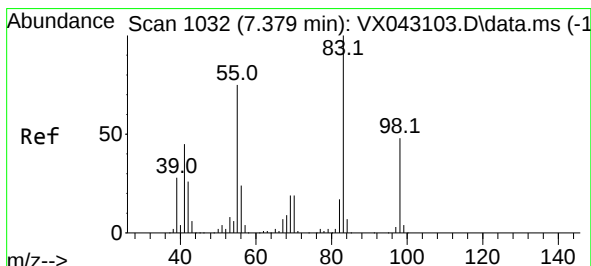
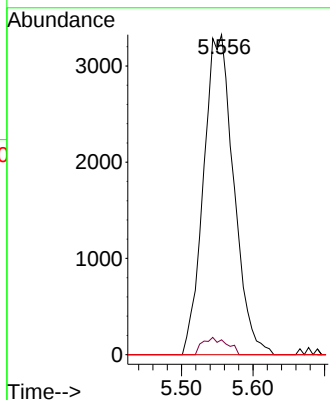
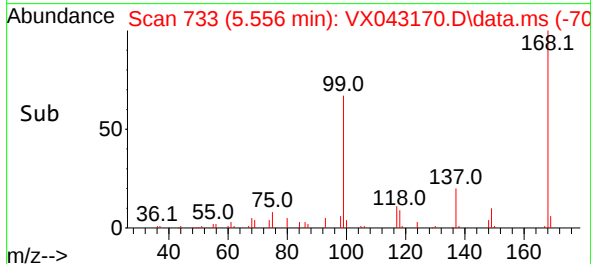


#38
Carbon Tetrachloride
Concen: 4.955 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

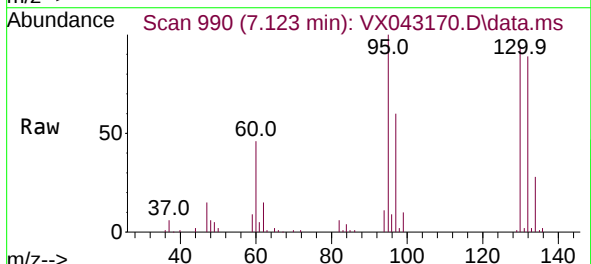
Instrument :
MSVOA_X
ClientSampleId :



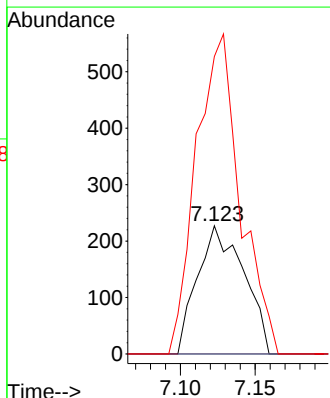
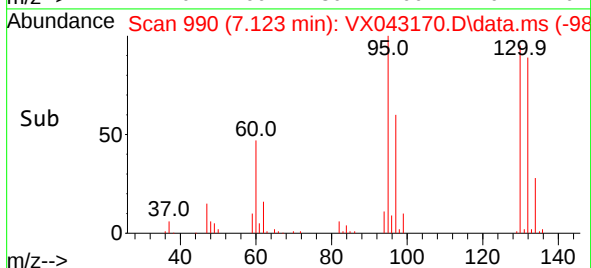
Tgt Ion:117 Resp: 9737
Ion Ratio Lower Upper
117 100
119 4.6 75.5 113.3#
121 0.0 24.2 36.2#

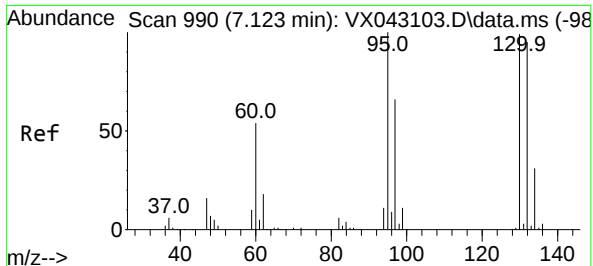


#39
Methylcyclohexane
Concen: 0.256 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06



Tgt Ion: 83 Resp: 490
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.4#
98 232.2 38.6 58.0#

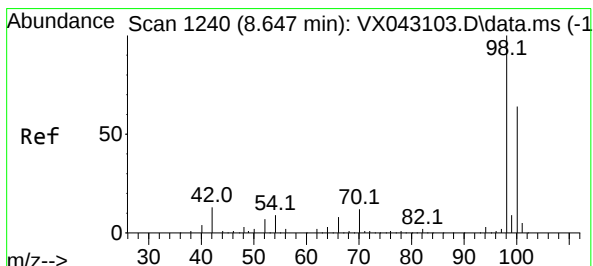
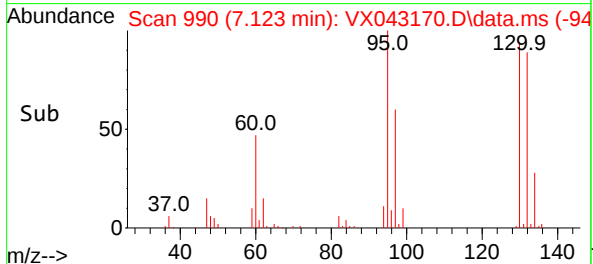
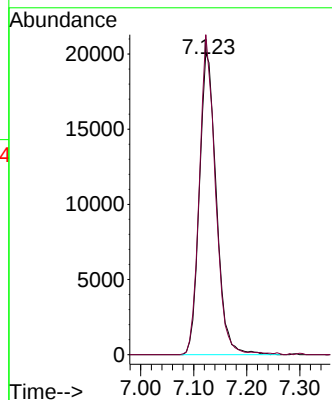
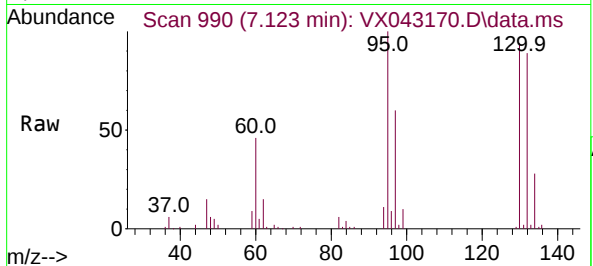




#44
 Trichloroethene
 Concen: 36.239 ug/l
 RT: 7.123 min Scan# 990
 Delta R.T. -0.000 min
 Lab File: VX043170.D
 Acq: 26 Sep 2024 12:06

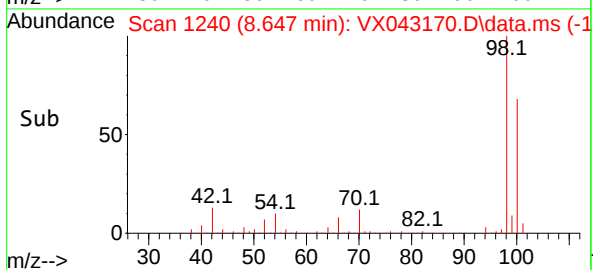
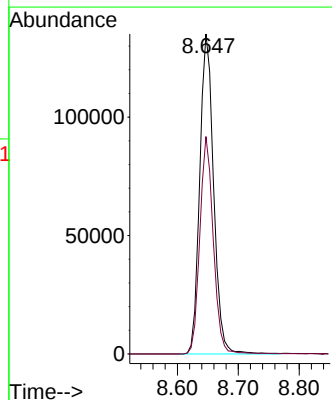
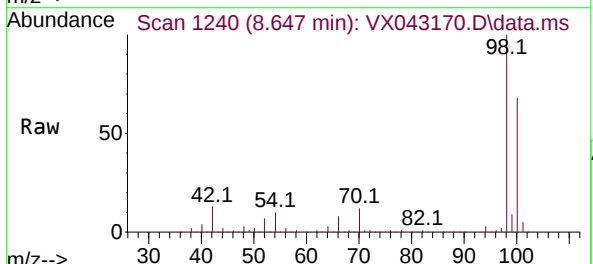
Instrument :
 MSVOA_X
 ClientSampleId :

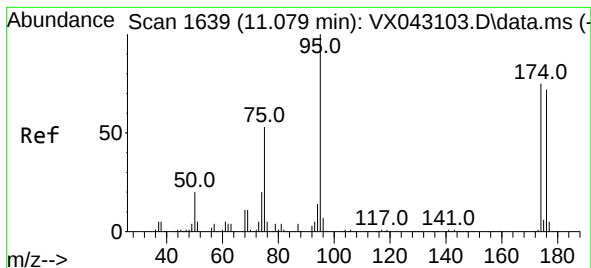
Tgt Ion:130 Resp: 44636
 Ion Ratio Lower Upper
 130 100
 95 106.1 0.0 201.6



#50
 Toluene-d8
 Concen: 50.880 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX043170.D
 Acq: 26 Sep 2024 12:06

Tgt Ion: 98 Resp: 213722
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.2 78.4

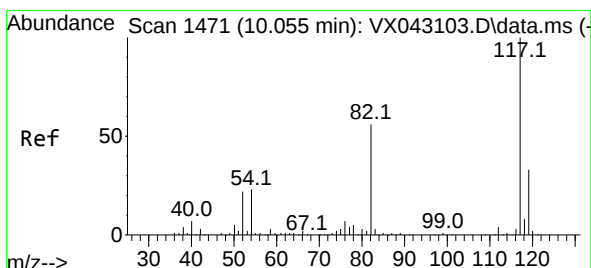
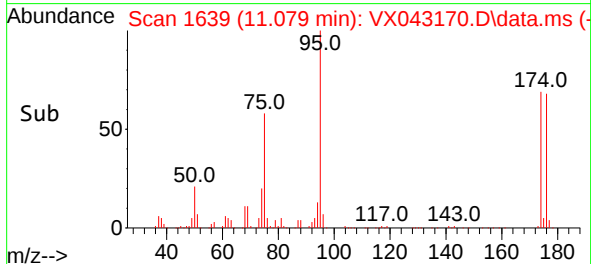
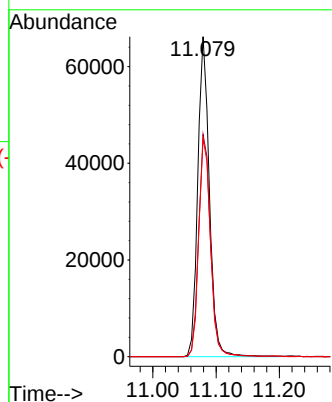
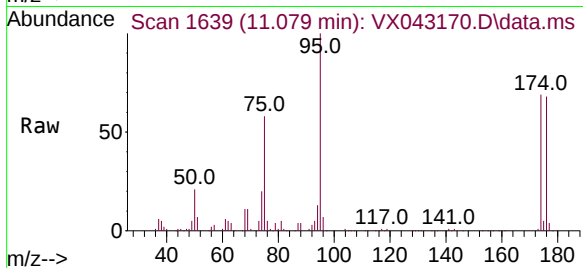




#62
4-Bromofluorobenzene
Concen: 49.979 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

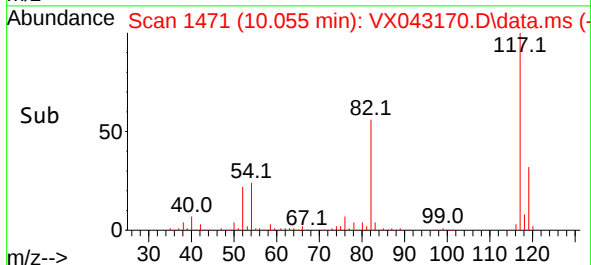
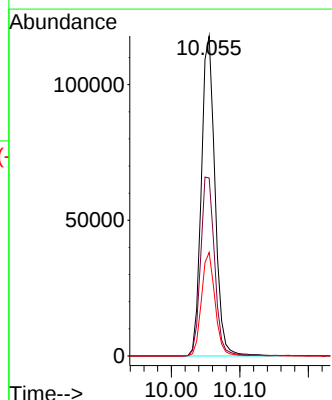
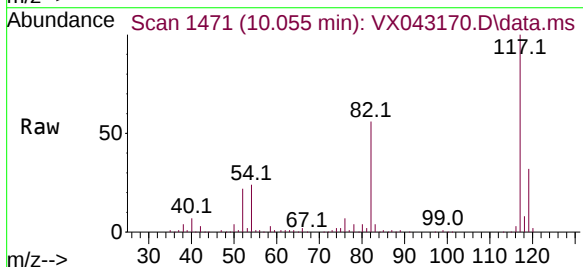
Instrument :
MSVOA_X
ClientSampleId :

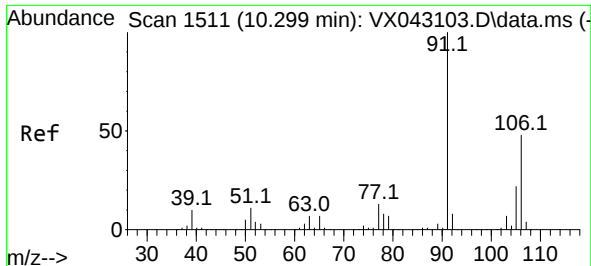
Tgt Ion: 95 Resp: 84544
Ion Ratio Lower Upper
95 100
174 71.2 0.0 146.0
176 69.3 0.0 142.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

Tgt Ion: 117 Resp: 163714
Ion Ratio Lower Upper
117 100
82 55.6 44.7 67.1
119 32.3 26.3 39.5

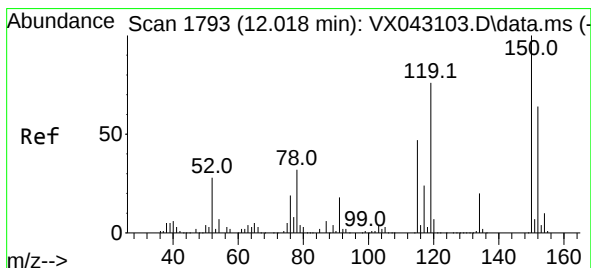
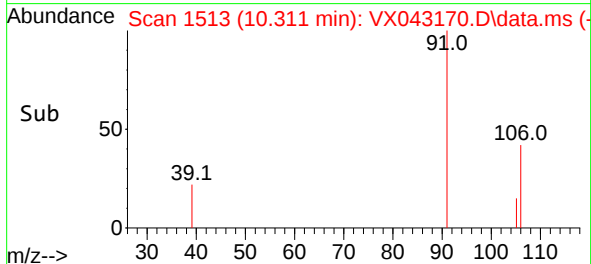
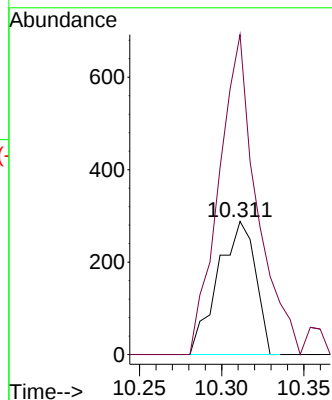
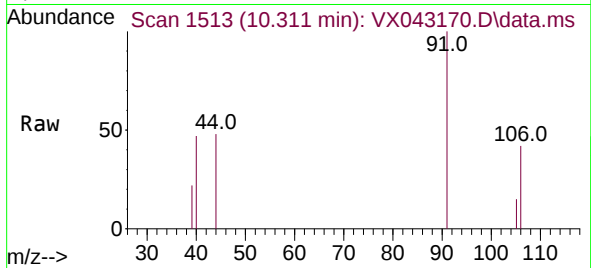




#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

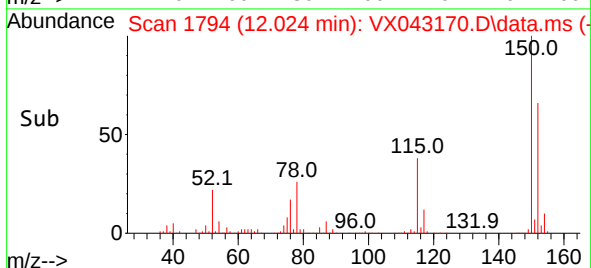
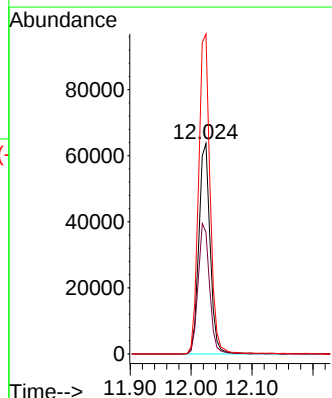
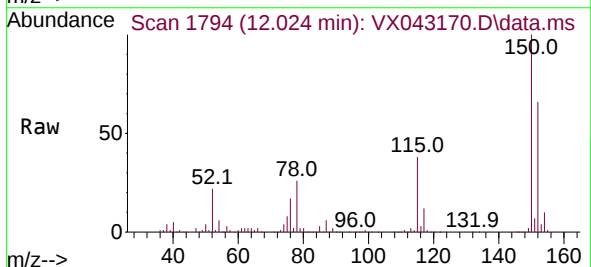
Instrument :
MSVOA_X
ClientSampleId :

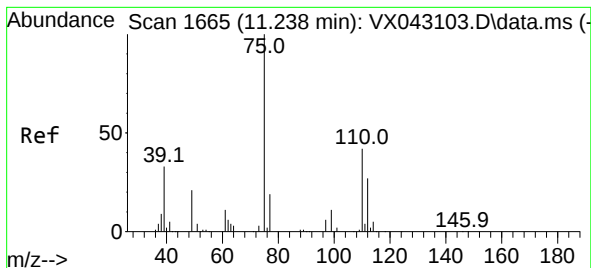
Tgt Ion:106 Resp: 457
Ion Ratio Lower Upper
106 100
91 244.0 167.5 251.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX043170.D
Acq: 26 Sep 2024 12:06

Tgt Ion:152 Resp: 82146
Ion Ratio Lower Upper
152 100
115 62.4 43.7 131.1
150 154.8 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 26.946 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

Instrument :

MSVOA_X

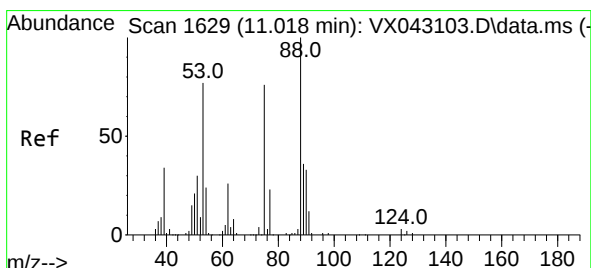
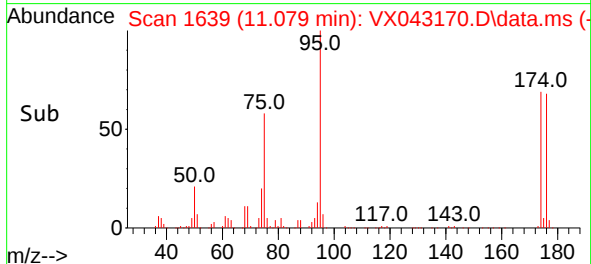
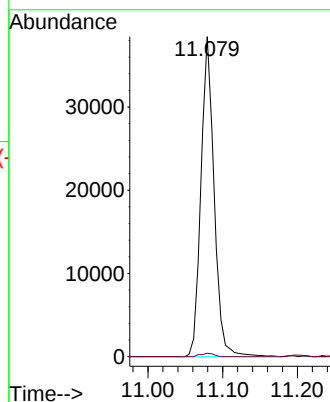
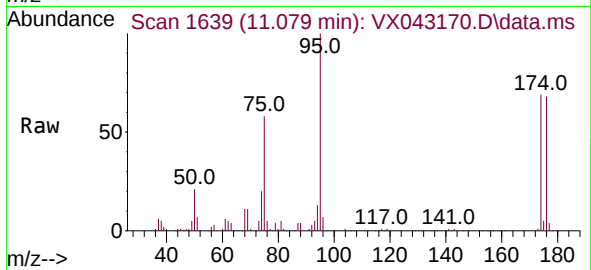
ClientSampleId :

Tgt Ion: 75 Resp: 47061

Ion Ratio Lower Upper

75 100

77 1.1 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.202 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

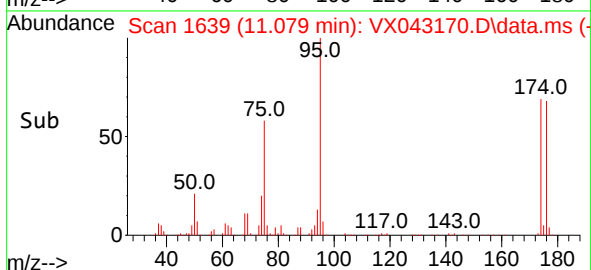
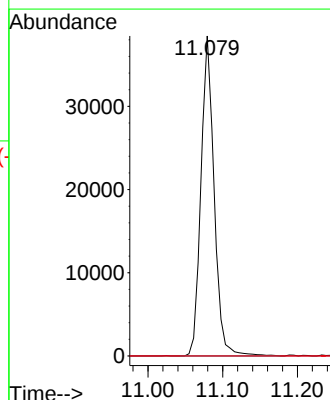
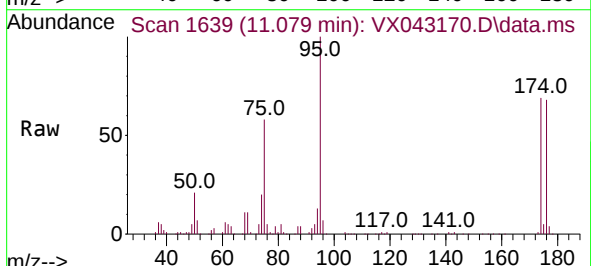
Tgt Ion: 75 Resp: 47061

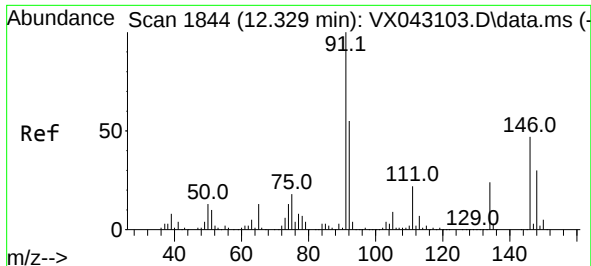
Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.2#

89 0.0 38.8 58.2#





#89

n-Butylbenzene

Concen: 0.210 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043170.D

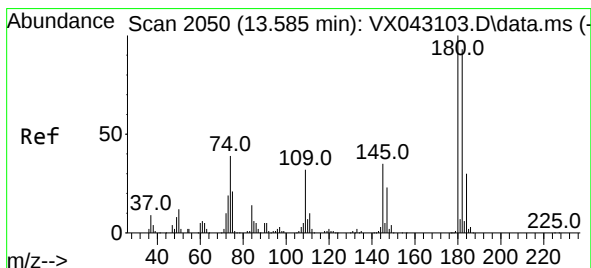
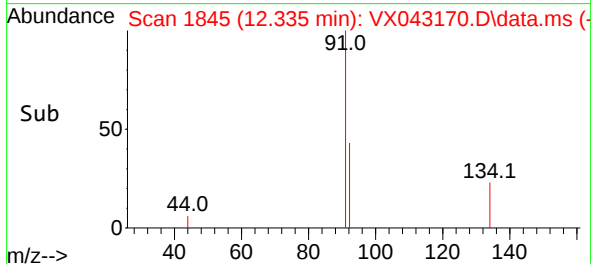
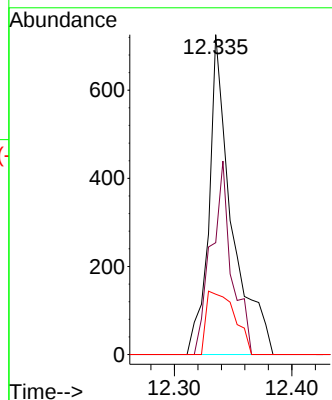
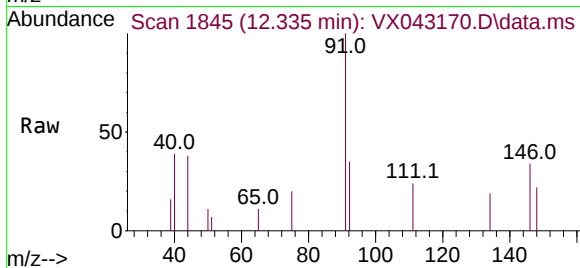
Acq: 26 Sep 2024 12:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 91	Resp:	980
Ion Ratio	Lower	Upper
91	100	
92	54.2	26.9 80.7
134	24.6	12.6 37.6



#93

1,2,4-Trichlorobenzene

Concen: 0.440 ug/l

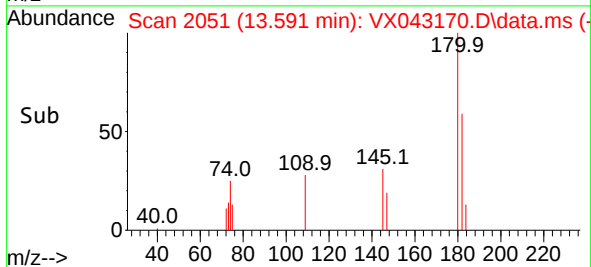
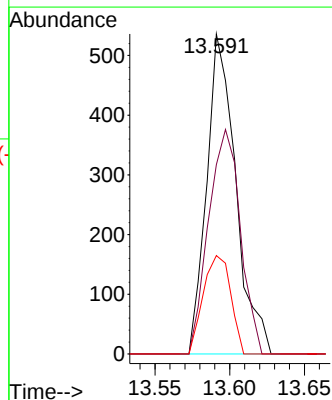
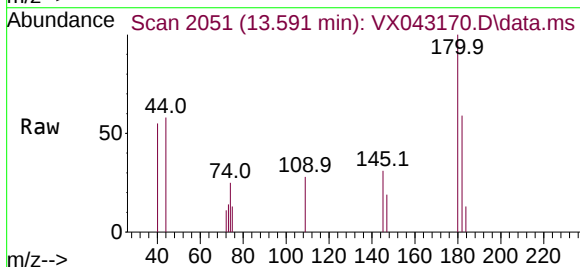
RT: 13.591 min Scan# 2051

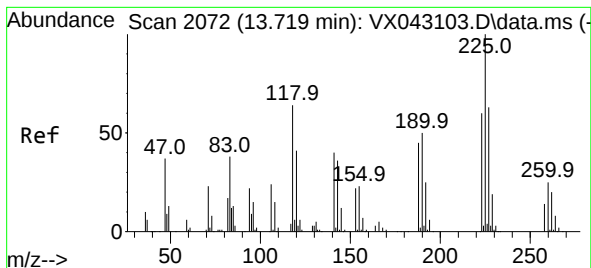
Delta R.T. 0.006 min

Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

Tgt Ion: 180	Resp:	724
Ion Ratio	Lower	Upper
180	100	
182	76.7	46.7 140.0
145	29.0	17.0 50.9





#94

Hexachlorobutadiene

Concen: 0.267 ug/l

RT: 13.725 min Scan# 2072

Delta R.T. 0.006 min

Lab File: VX043170.D

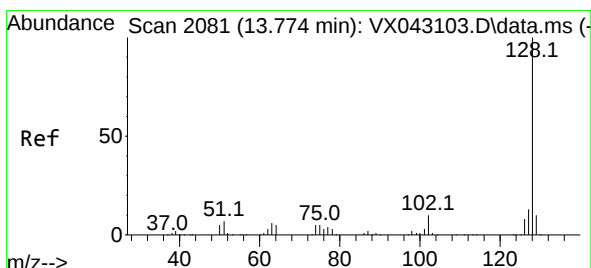
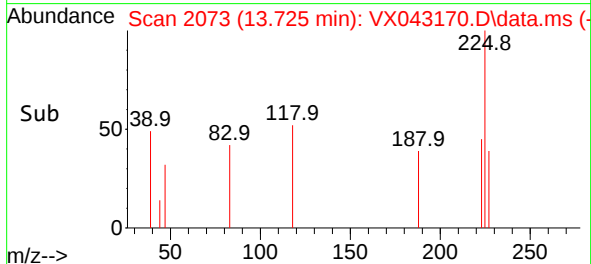
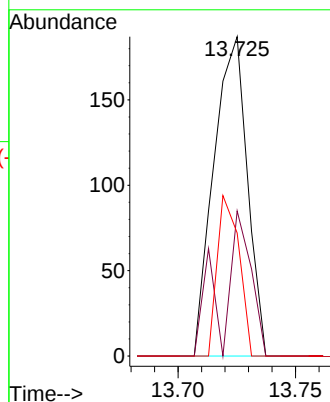
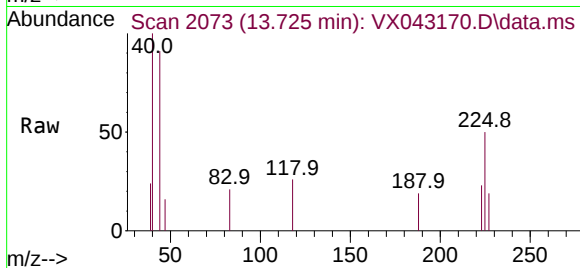
Acq: 26 Sep 2024 12:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:225	Resp:	185
Ion Ratio	Lower	Upper
225	100	
223	39.5	31.8 95.4
227	33.0	31.9 95.7



#95

Naphthalene

Concen: 0.506 ug/l

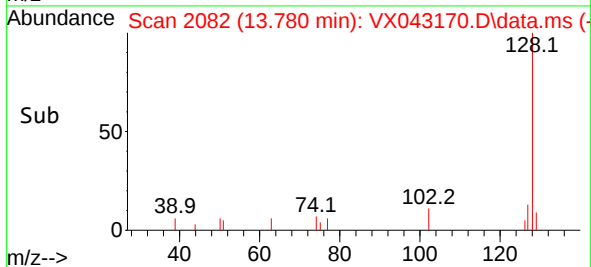
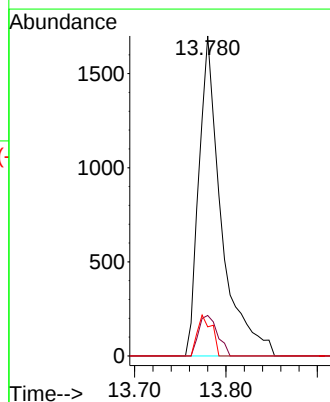
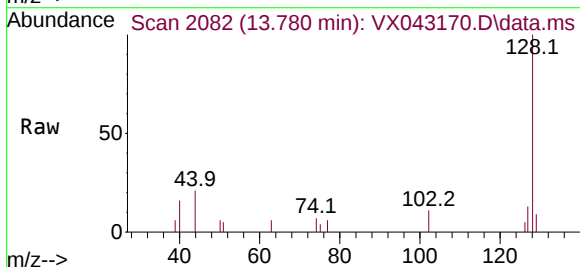
RT: 13.780 min Scan# 2082

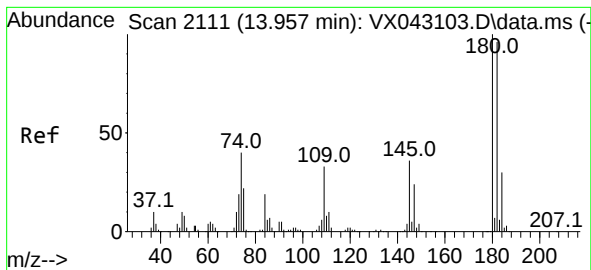
Delta R.T. 0.006 min

Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

Tgt Ion:128	Resp:	2898
Ion Ratio	Lower	Upper
128	100	
127	10.7	10.2 15.4
129	8.2	8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.306 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

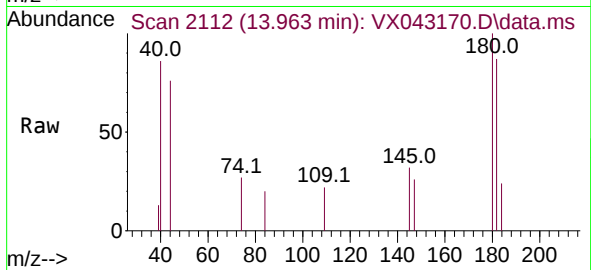
Lab File: VX043170.D

Acq: 26 Sep 2024 12:06

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 500

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.4

145 32.6 17.7 53.1

