

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102324\
 Data File : VX043492.D
 Acq On : 23 Oct 2024 16:59
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 06:08:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102324W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 04:54:33 2024
 Response via : Initial Calibration

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

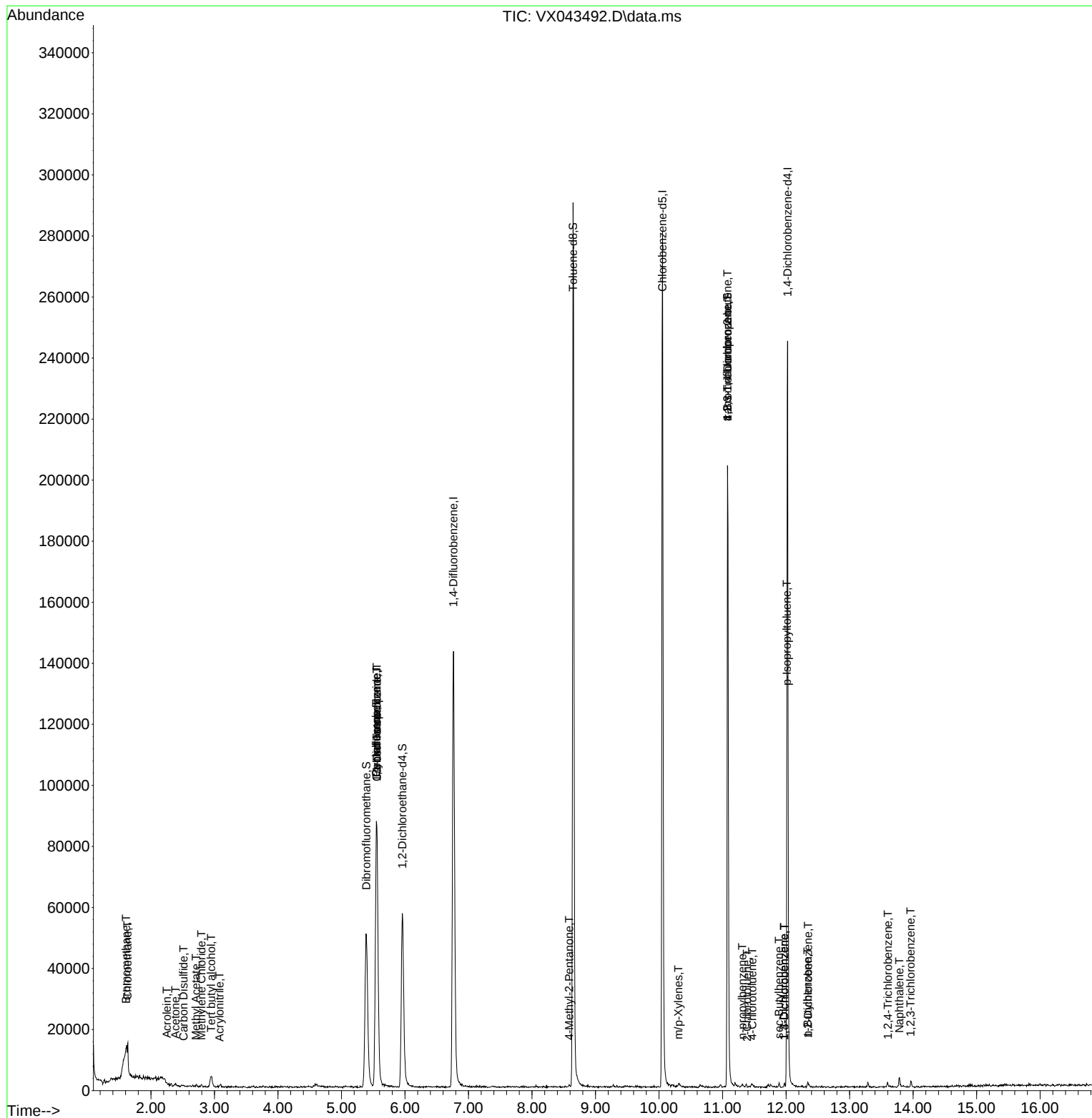
Internal Standards						
1) Pentafluorobenzene	5.549	168	81660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	148120	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58865	42.017	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.040%		
35) Dibromofluoromethane	5.391	113	46186	45.331	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.660%		
50) Toluene-d8	8.646	98	173331	48.468	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.940%		
62) 4-Bromofluorobenzene	11.079	95	58751	43.015	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.040%		
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	431	0.912	ug/l #	43
6) Chloroethane	1.629	64	108	0.229	ug/l #	42
11) Tert butyl alcohol	2.946	59	2252	11.284	ug/l #	70
13) Acrolein	2.251	56	179	0.881	ug/l #	6
15) Acrylonitrile	3.080	53	306	0.634	ug/l #	16
16) Acetone	2.385	43	686	1.315	ug/l #	77
17) Carbon Disulfide	2.513	76	428	0.225	ug/l #	78
18) Methyl Acetate	2.708	43	456	0.315	ug/l #	62
20) Methylene Chloride	2.794	84	376	0.323	ug/l #	64
31) Cyclohexane	5.549	56	1893	1.319	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	6745	5.590	ug/l #	48
38) Carbon Tetrachloride	5.556	117	9241	7.007	ug/l #	14
51) 4-Methyl-2-Pentanone	8.585	43	471	0.371	ug/l #	77
68) m/p-Xylenes	10.305	106	534	0.308	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	30589	30.525	ug/l #	35
78) n-propylbenzene	11.311	91	931	0.228	ug/l	80
79) 2-Chlorotoluene	11.384	91	603	0.215	ug/l #	57
81) trans-1,4-Dichloro-2-b...	11.079	75	30589	112.733	ug/l #	3
82) 4-Chlorotoluene	11.469	91	701	0.216	ug/l #	72
85) sec-Butylbenzene	11.890	105	868	0.243	ug/l	83
86) p-Isopropyltoluene	12.012	119	621	0.207	ug/l #	63
87) 1,3-Dichlorobenzene	11.969	146	469	0.270	ug/l	79
88) 1,4-Dichlorobenzene	11.969	146	469	0.265	ug/l	79
89) n-Butylbenzene	12.341	91	632	0.253	ug/l #	89
91) 1,2-Dichlorobenzene	12.347	146	395	0.228	ug/l	95
93) 1,2,4-Trichlorobenzene	13.603	180	601	0.611	ug/l	86
95) Naphthalene	13.786	128	2998	0.980	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	795	0.816	ug/l	90

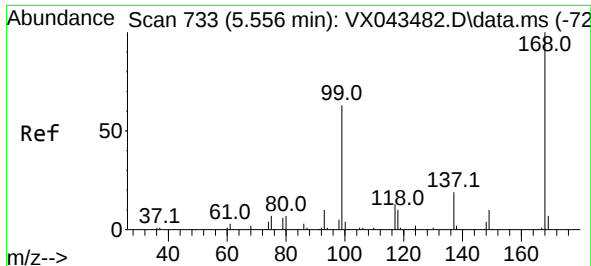
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102324\
Data File : VX043492.D
Acq On : 23 Oct 2024 16:59
Operator : JC/MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

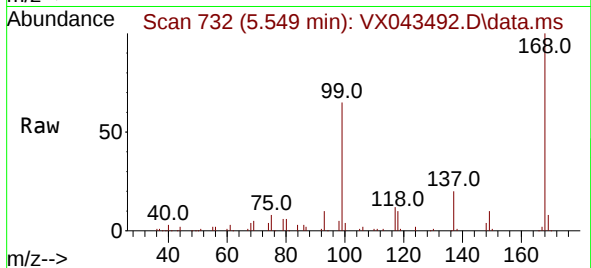
Quant Time: Oct 24 06:08:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102324W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 04:54:33 2024
Response via : Initial Calibration



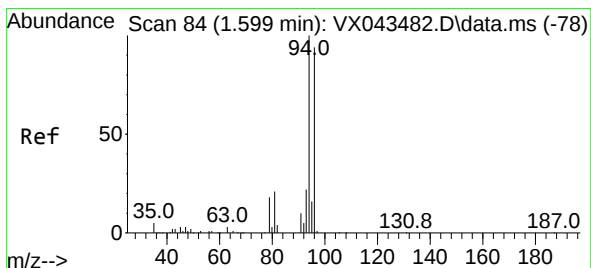
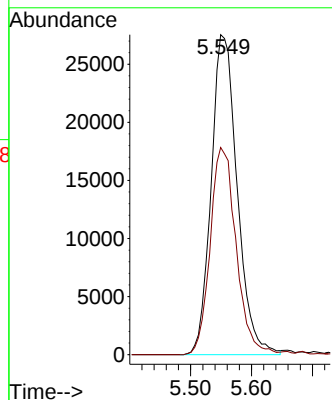
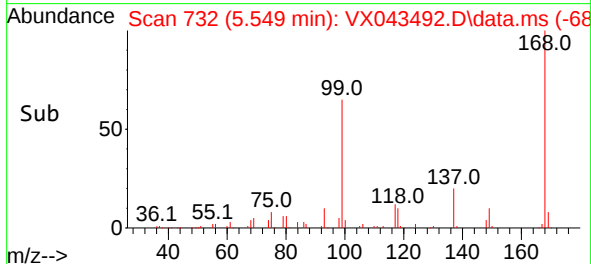


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Instrument :
MSVOA_X
ClientSampleId :

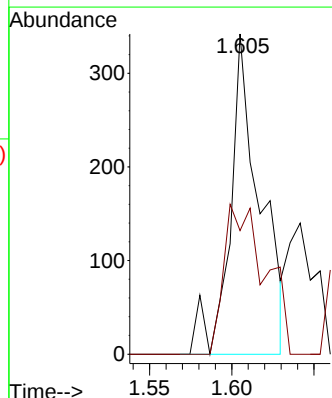
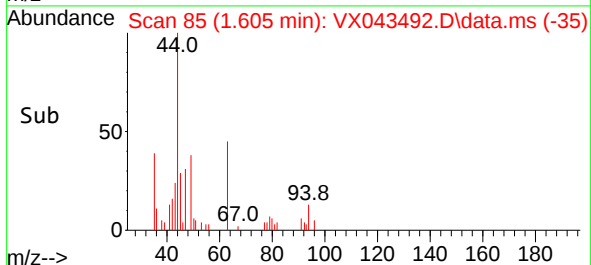
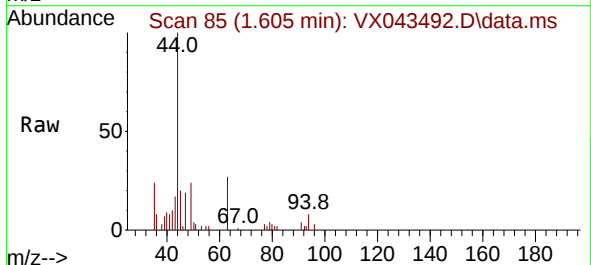


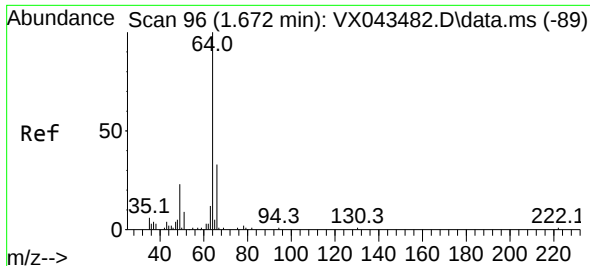
Tgt Ion:168 Resp: 81660
Ion Ratio Lower Upper
168 100
99 64.7 50.7 76.1



#5
Bromomethane
Concen: 0.912 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion: 94 Resp: 431
Ion Ratio Lower Upper
94 100
96 38.6 75.2 112.8#

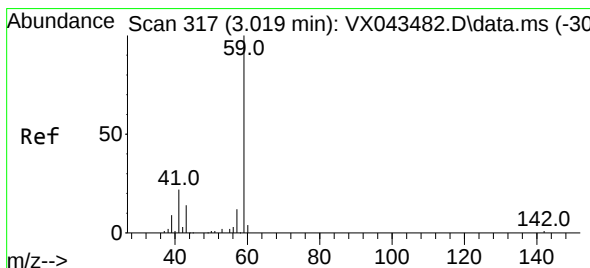
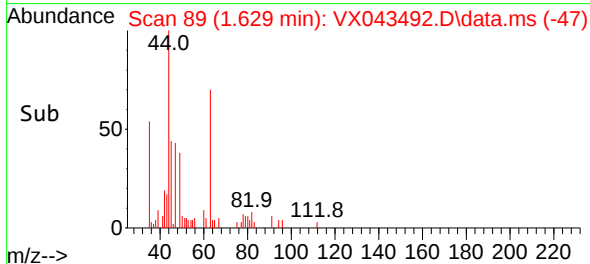
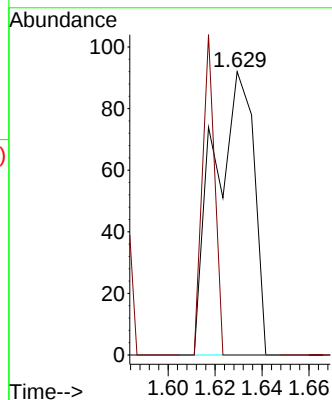
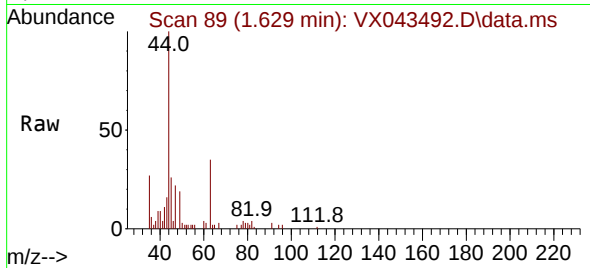




#6
Chloroethane
Concen: 0.229 ug/l
RT: 1.629 min Scan# 89
Delta R.T. -0.043 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

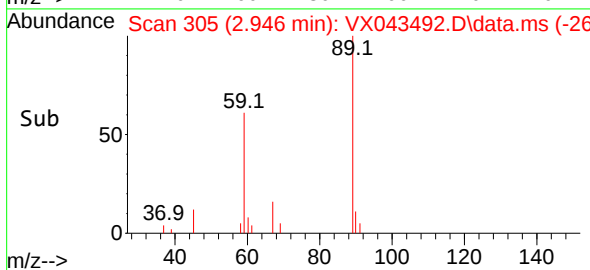
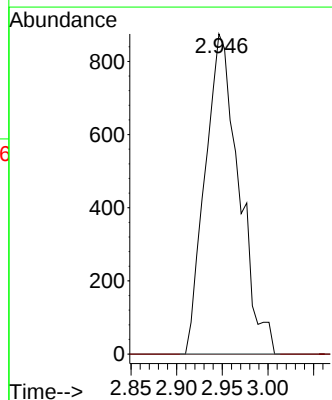
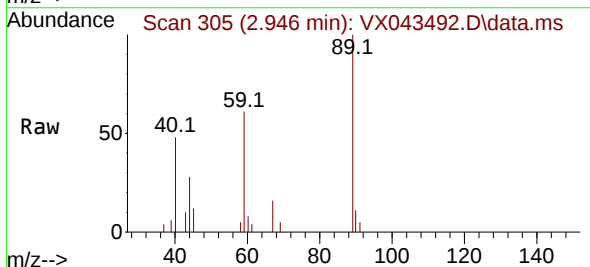
Instrument :
MSVOA_X
ClientSampleId :

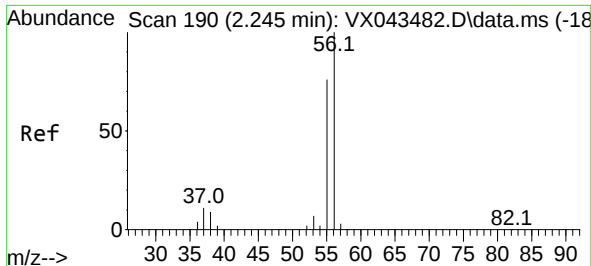
Tgt Ion: 64 Resp: 108
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 11.284 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

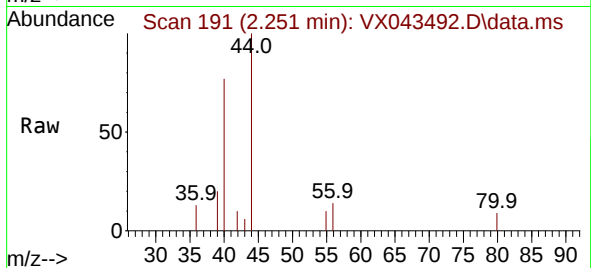
Tgt Ion: 59 Resp: 2252
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#



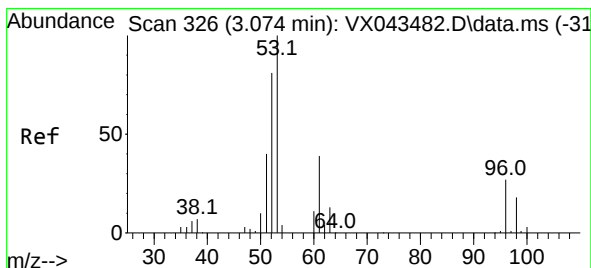
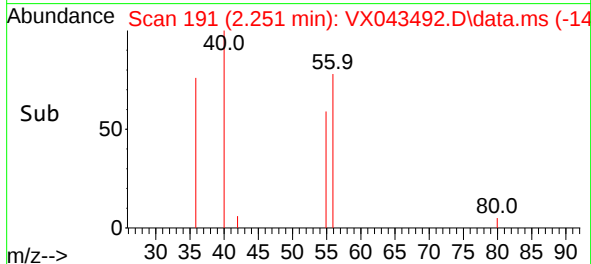
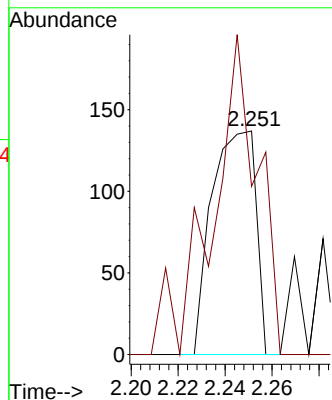


#13
Acrolein
Concen: 0.881 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Instrument :
MSVOA_X
ClientSampleId :

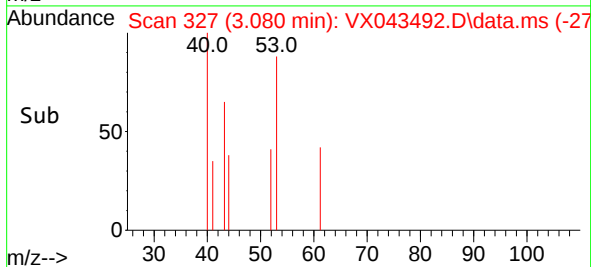
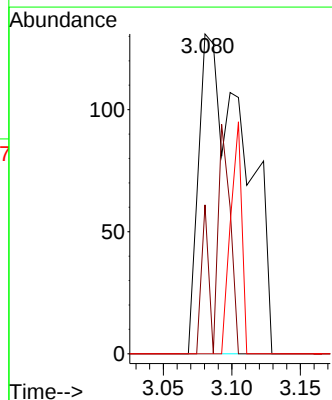
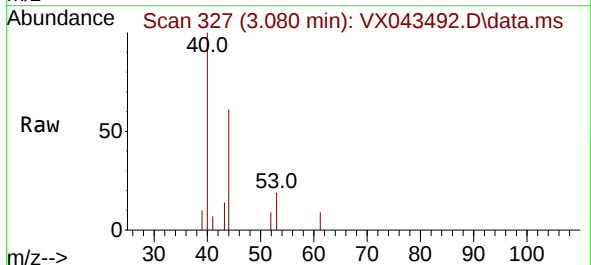


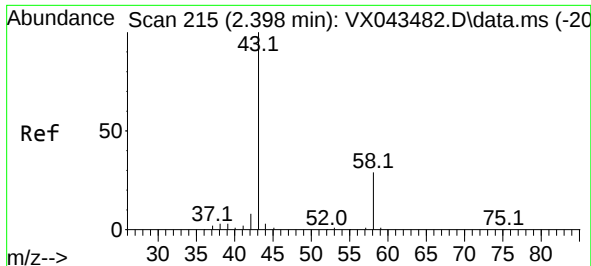
Tgt Ion: 56 Resp: 179
Ion Ratio Lower Upper
56 100
55 148.6 56.6 85.0#



#15
Acrylonitrile
Concen: 0.634 ug/l
RT: 3.080 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion: 53 Resp: 306
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.2#
51 0.0 30.1 45.1#

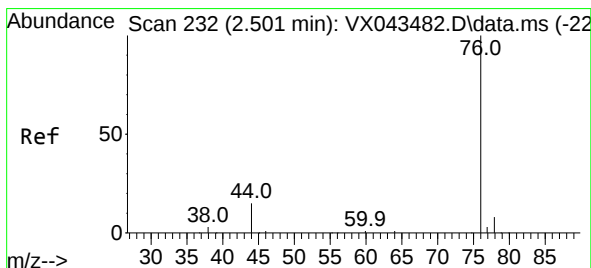
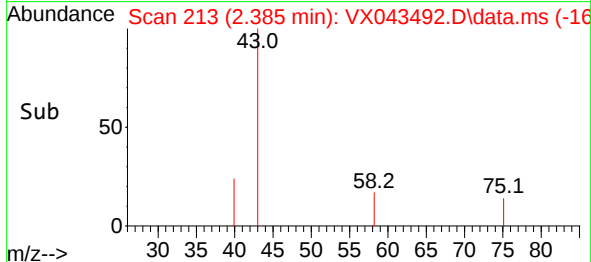
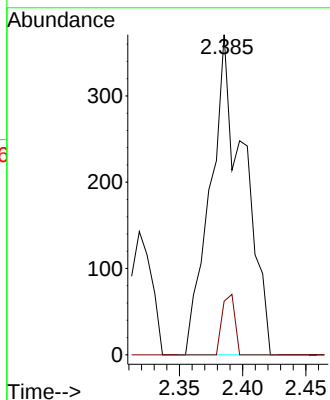
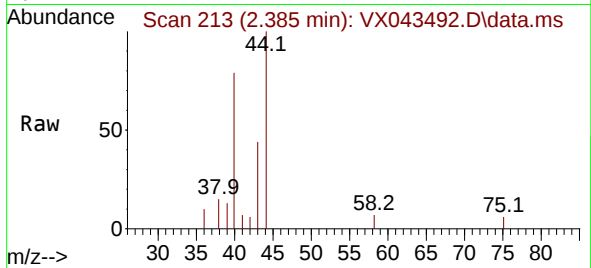




#16
Acetone
Concen: 1.315 ug/l
RT: 2.385 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

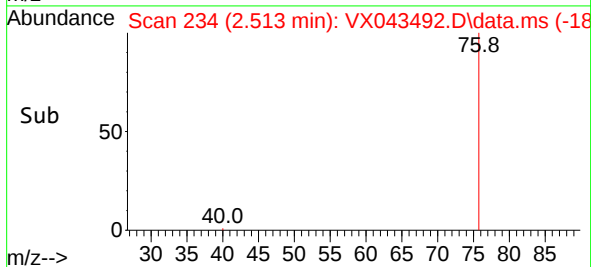
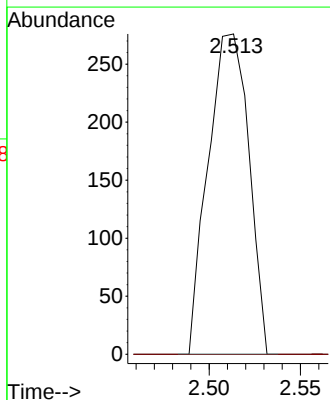
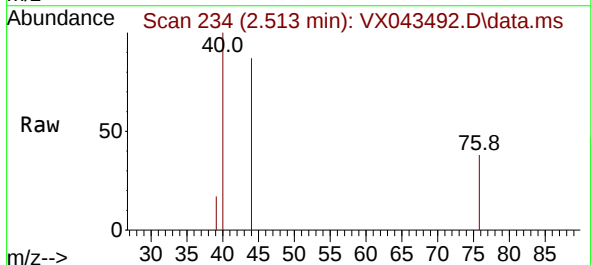
Instrument :
MSVOA_X
ClientSampleId :

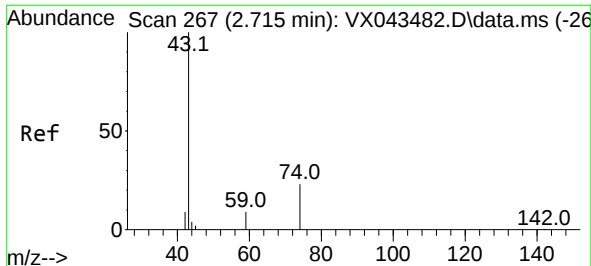
Tgt Ion: 43 Resp: 686
Ion Ratio Lower Upper
43 100
58 16.7 23.3 34.9#



#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 2.513 min Scan# 234
Delta R.T. 0.012 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion: 76 Resp: 428
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

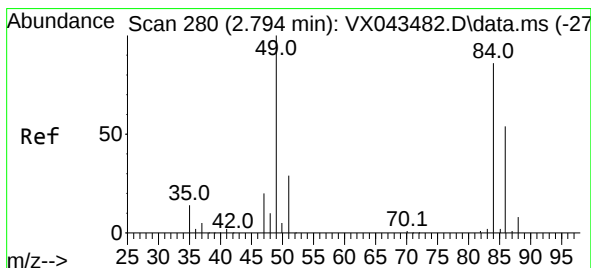
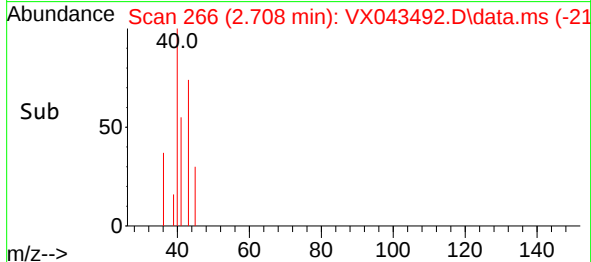
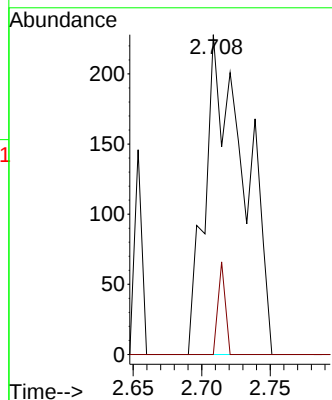
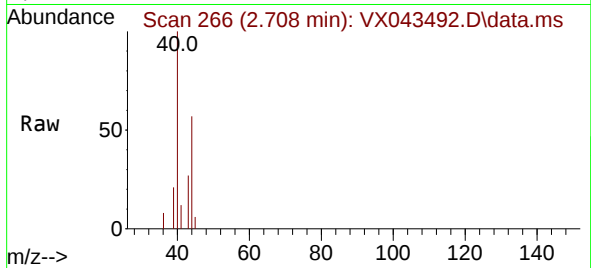




#18
Methyl Acetate
Concen: 0.315 ug/l
RT: 2.708 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

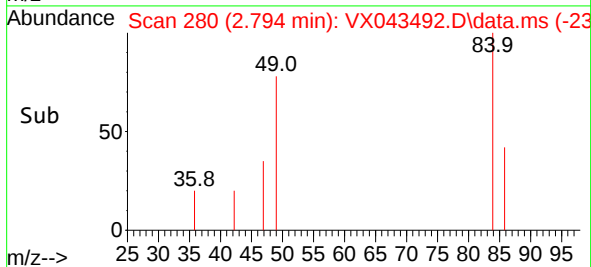
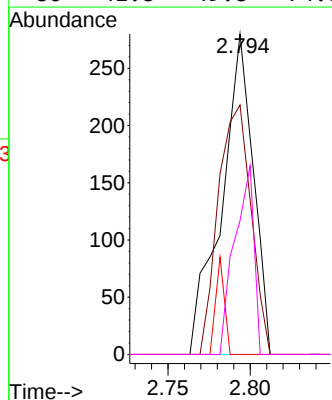
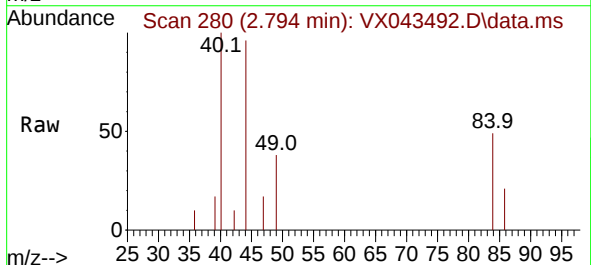
Instrument :
MSVOA_X
ClientSampleId :

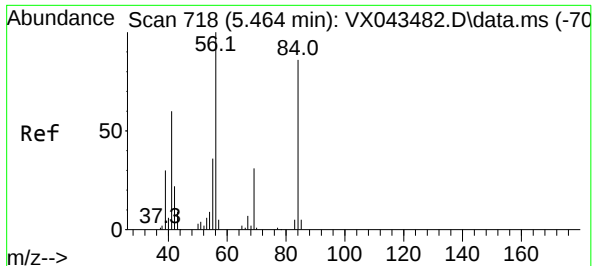
Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
74 5.3 19.4 29.0#



#20
Methylene Chloride
Concen: 0.323 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

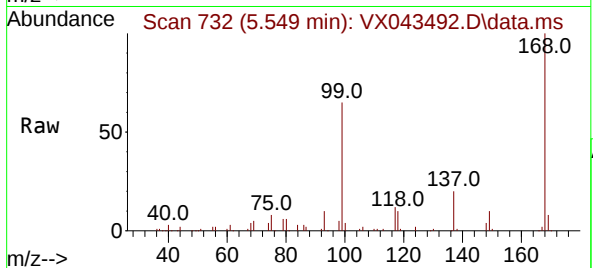
Tgt Ion: 84 Resp: 376
Ion Ratio Lower Upper
84 100
49 77.9 92.9 139.3#
51 0.0 27.2 40.8#
86 41.8 49.8 74.8#



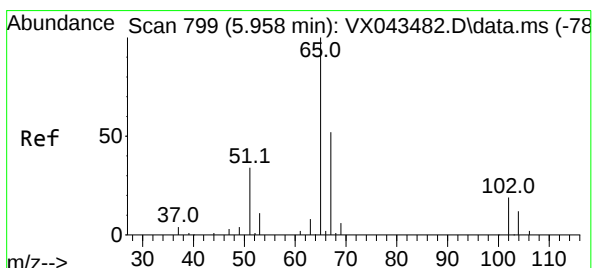
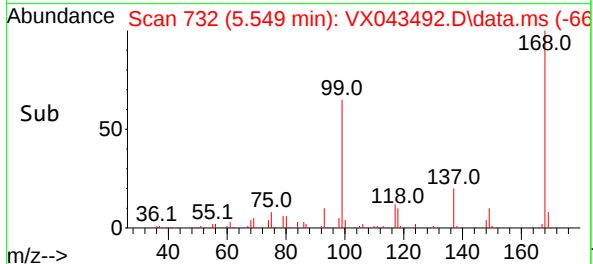
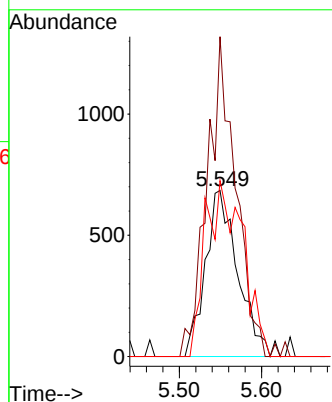


#31
Cyclohexane
Concen: 1.319 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Instrument :
MSVOA_X
ClientSampleId :

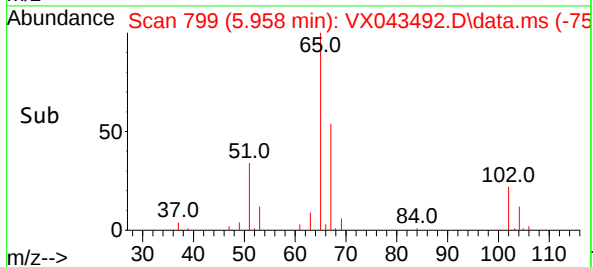
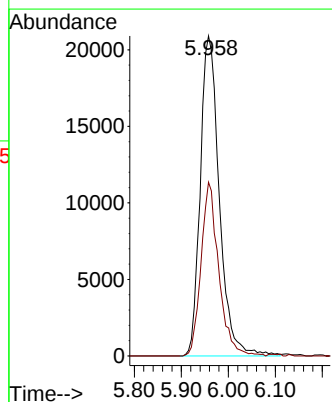
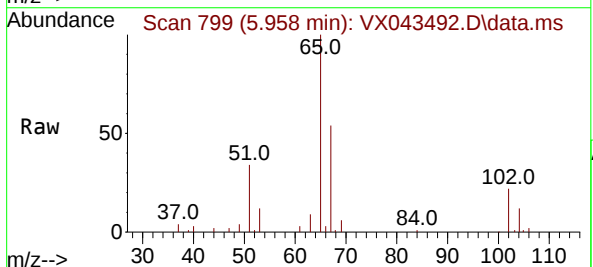


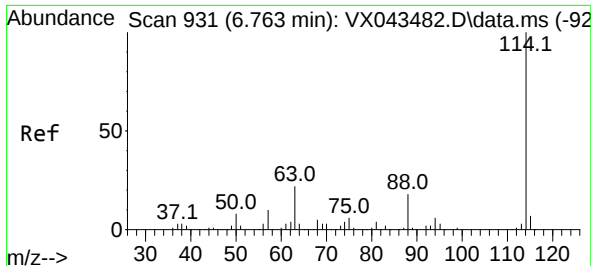
Tgt Ion: 56 Resp: 1893
Ion Ratio Lower Upper
56 100
69 192.6 24.6 36.8#
84 105.8 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 42.017 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion: 65 Resp: 58865
Ion Ratio Lower Upper
65 100
67 50.5 0.0 98.4

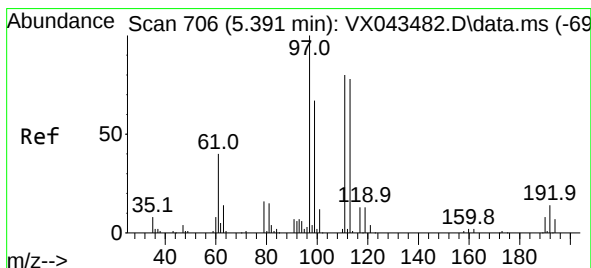
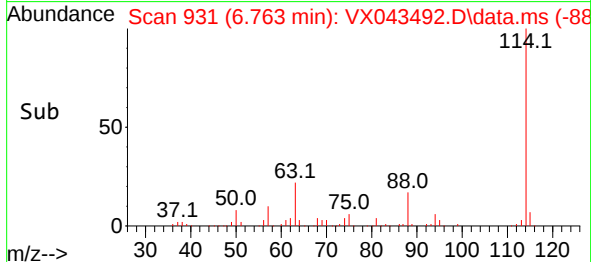
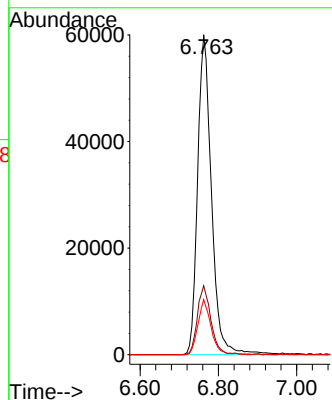
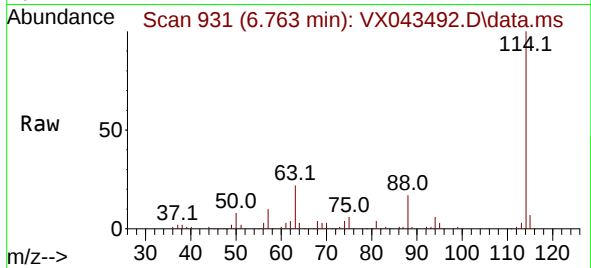




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

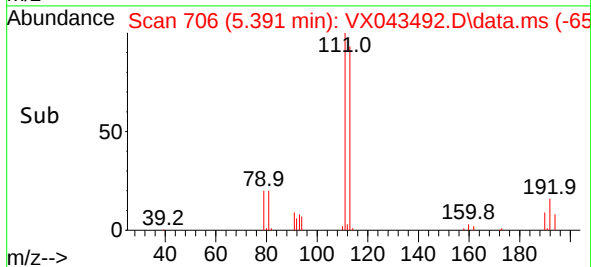
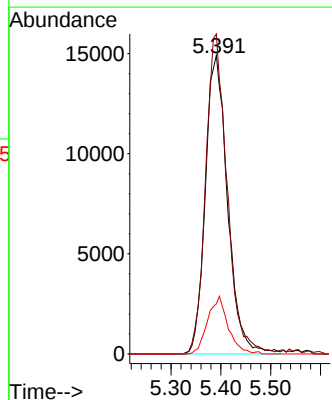
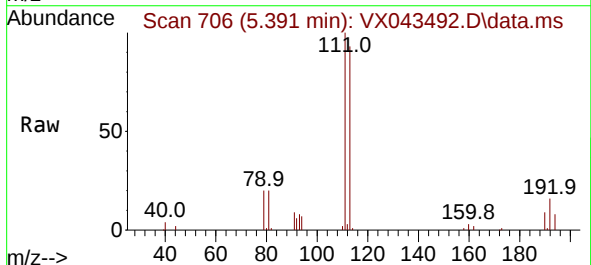
Instrument :
MSVOA_X
ClientSampleId :

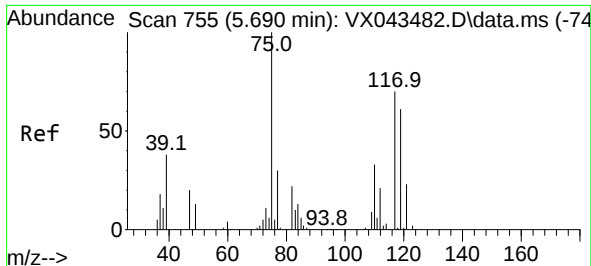
Tgt Ion:114 Resp: 148120
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.0
88 17.2 0.0 35.2



#35
Dibromofluoromethane
Concen: 45.331 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion:113 Resp: 46186
Ion Ratio Lower Upper
113 100
111 103.3 82.1 123.1
192 17.8 13.8 20.8

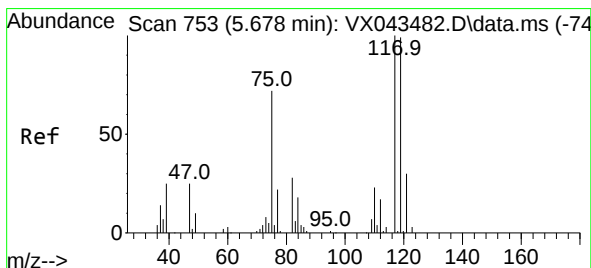
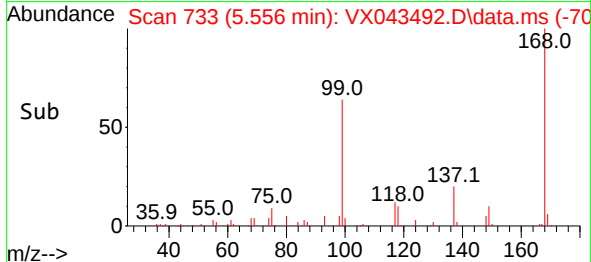
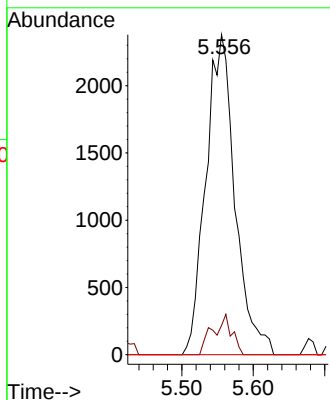
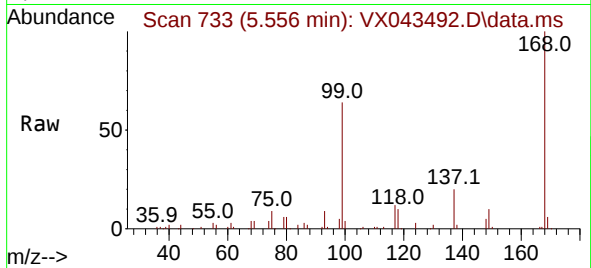




#36
1,1-Dichloropropene
Concen: 5.590 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

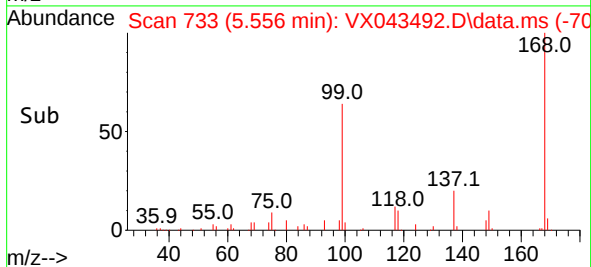
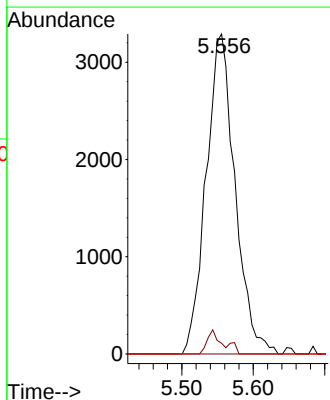
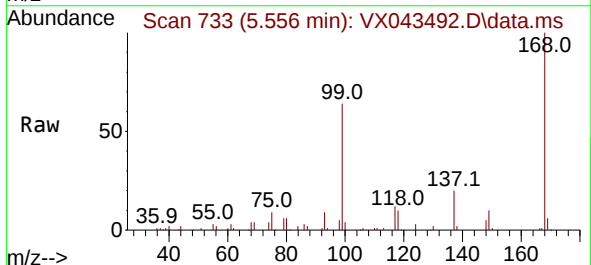
Instrument :
MSVOA_X
ClientSampleId :

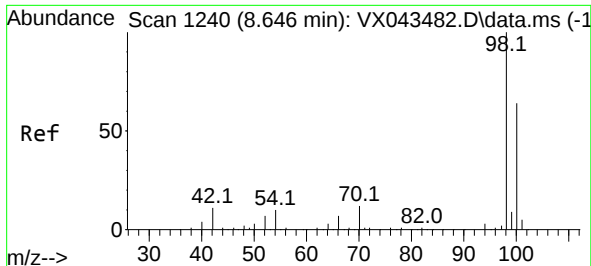
Tgt Ion: 75 Resp: 6745
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.007 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion: 117 Resp: 9241
Ion Ratio Lower Upper
117 100
119 3.3 78.6 117.8#
121 0.0 23.6 35.4#

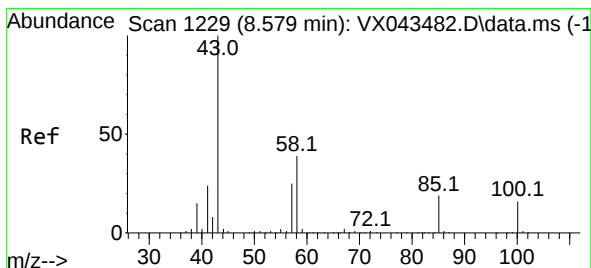
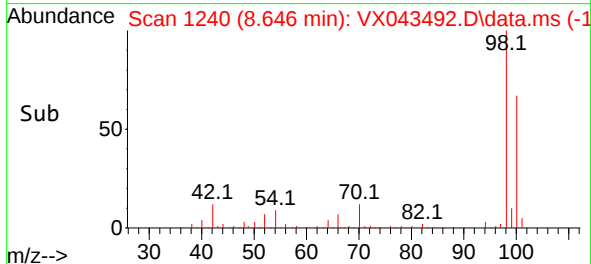
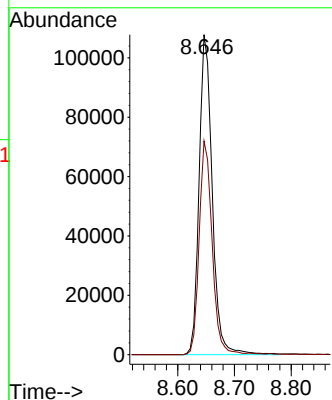
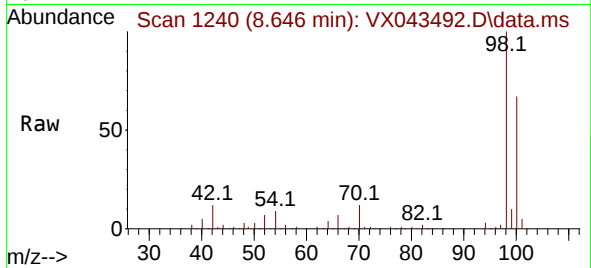




#50
Toluene-d8
Concen: 48.468 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

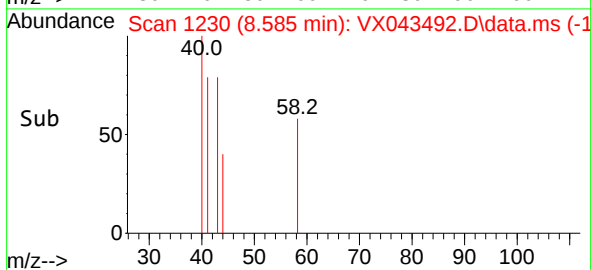
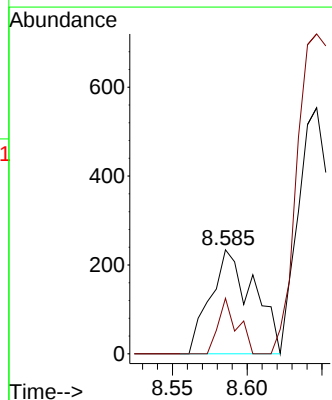
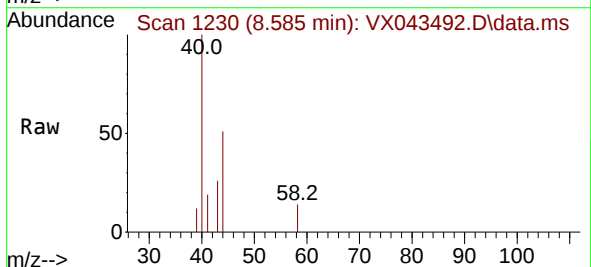
Instrument :
MSVOA_X
ClientSampleId :

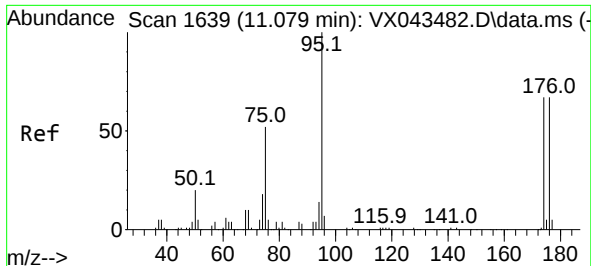
Tgt Ion: 98 Resp: 173331
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.371 ug/l
RT: 8.585 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 23.6 29.8 44.8#





#62

4-Bromofluorobenzene

Concen: 43.015 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043492.D

Acq: 23 Oct 2024 16:59

Instrument :

MSVOA_X

ClientSampleId :

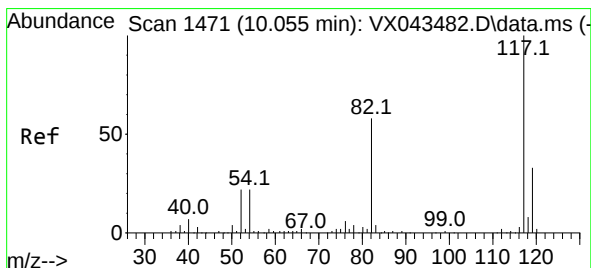
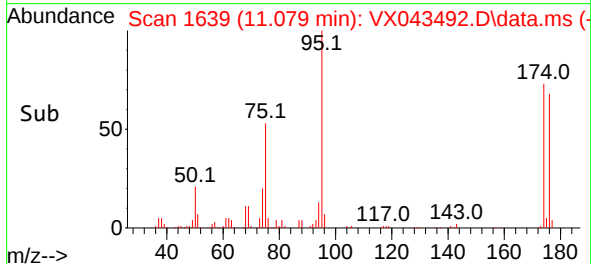
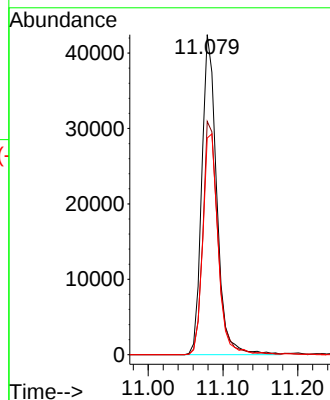
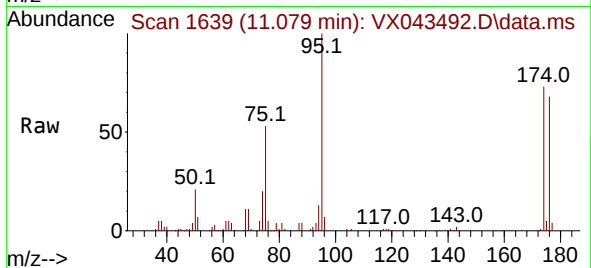
Tgt Ion: 95 Resp: 58751

Ion Ratio Lower Upper

95 100

174 73.5 0.0 148.6

176 70.9 0.0 142.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043492.D

Acq: 23 Oct 2024 16:59

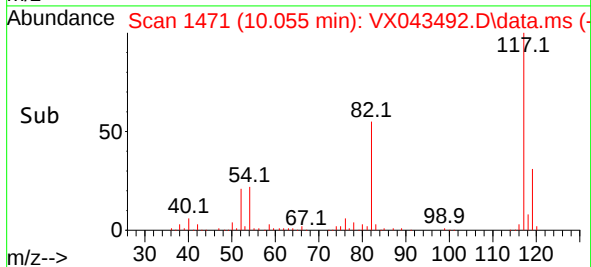
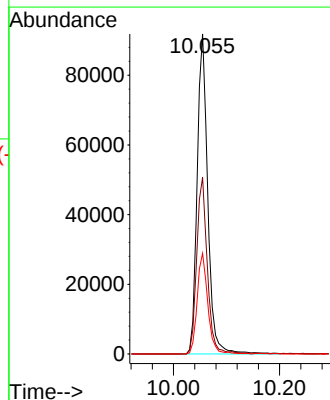
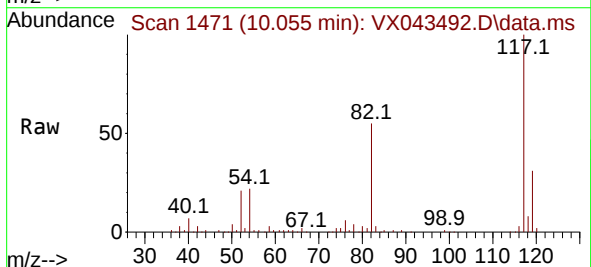
Tgt Ion: 117 Resp: 127355

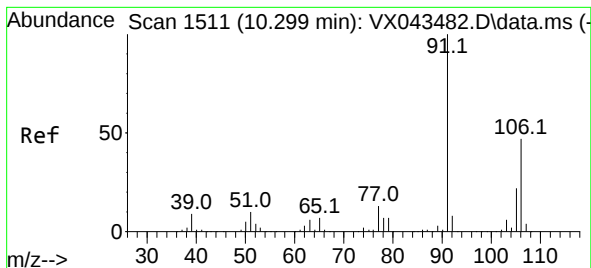
Ion Ratio Lower Upper

117 100

82 55.2 46.0 69.0

119 31.5 26.2 39.2

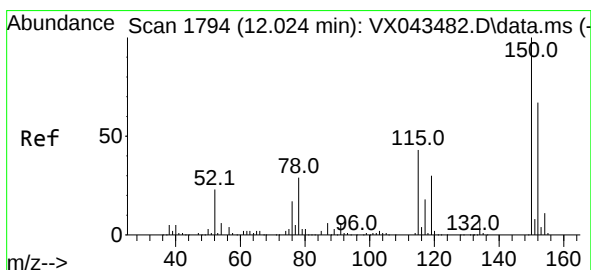
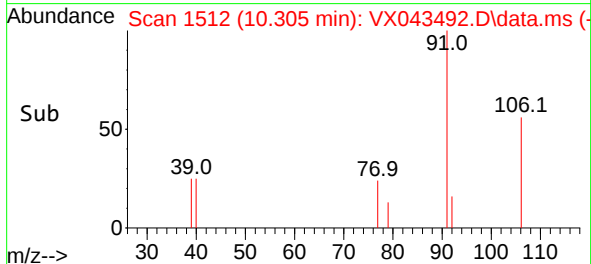
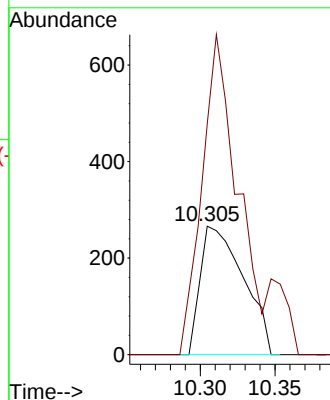
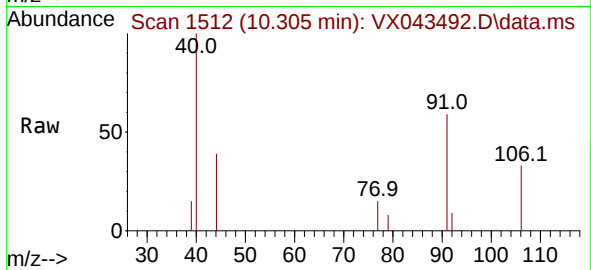




#68
m/p-Xylenes
Concen: 0.308 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

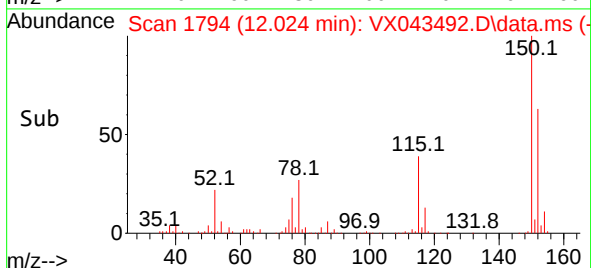
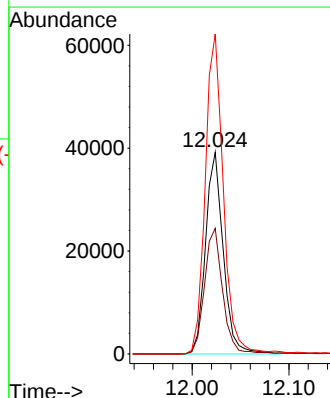
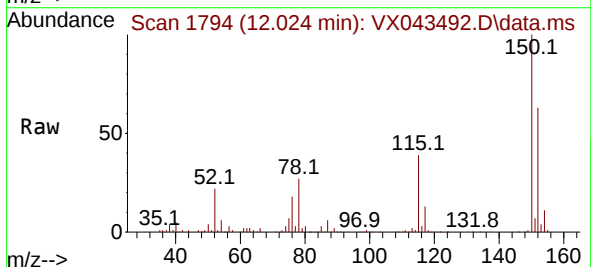
Instrument :
MSVOA_X
ClientSampleId :

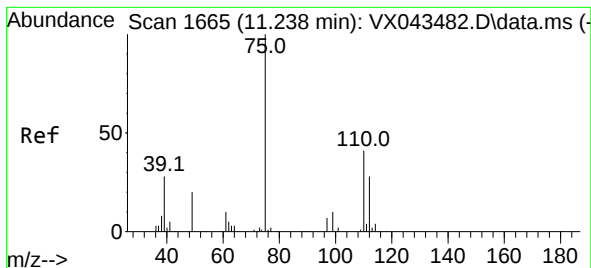
Tgt Ion:106 Resp: 534
Ion Ratio Lower Upper
106 100
91 204.9 167.2 250.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion:152 Resp: 49963
Ion Ratio Lower Upper
152 100
115 64.5 43.4 130.2
150 162.1 0.0 337.2





#76

1,2,3-Trichloropropane

Concen: 30.525 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043492.D

Acq: 23 Oct 2024 16:59

Instrument :

MSVOA_X

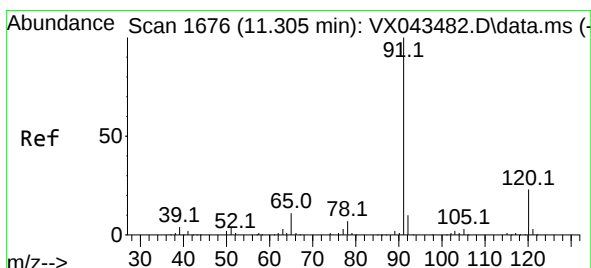
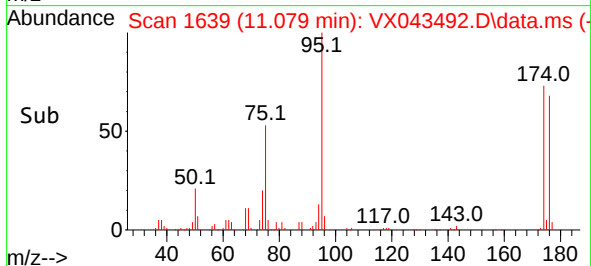
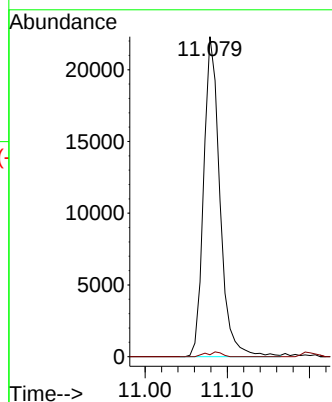
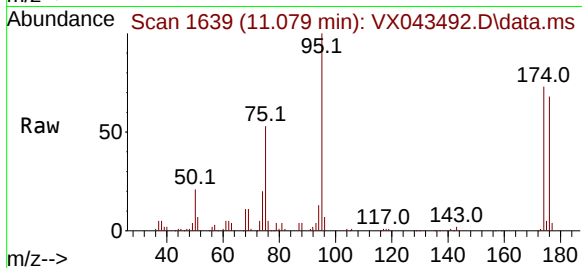
ClientSampleId :

Tgt Ion: 75 Resp: 30589

Ion Ratio Lower Upper

75 100

77 1.4 21.6 65.0#



#78

n-propylbenzene

Concen: 0.228 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX043492.D

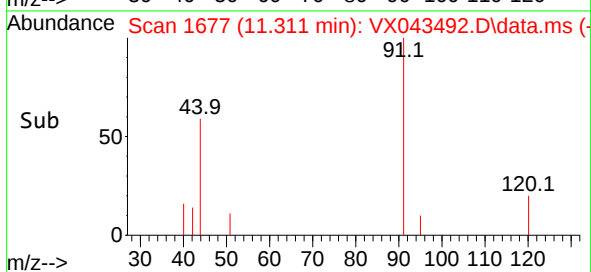
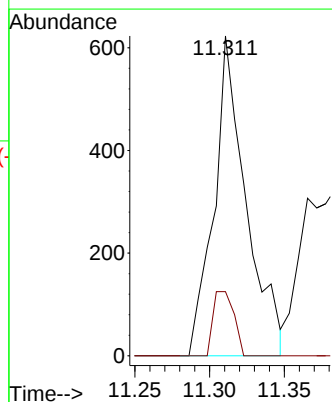
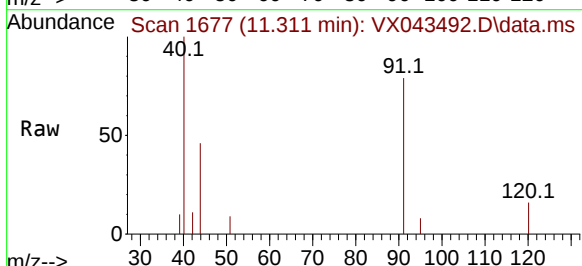
Acq: 23 Oct 2024 16:59

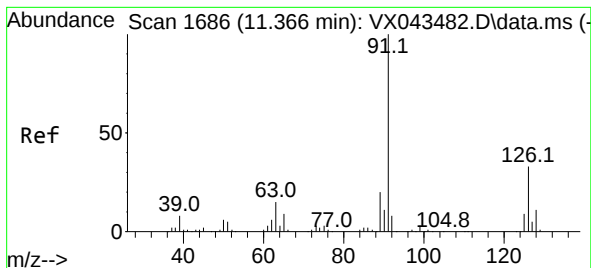
Tgt Ion: 91 Resp: 931

Ion Ratio Lower Upper

91 100

120 13.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.215 ug/l

RT: 11.384 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX043492.D

Acq: 23 Oct 2024 16:59

Instrument :

MSVOA_X

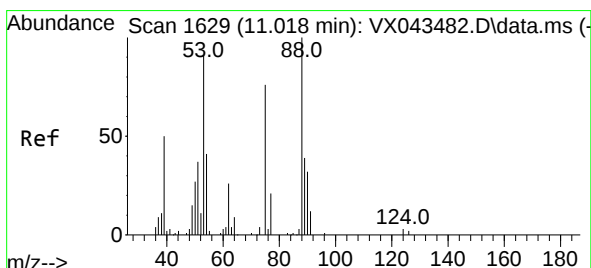
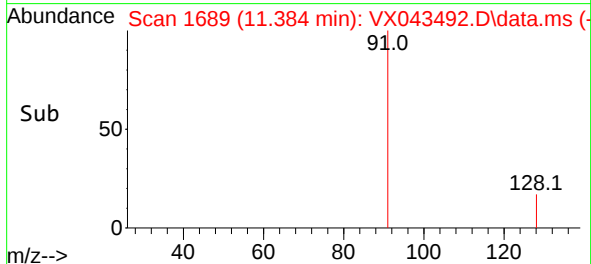
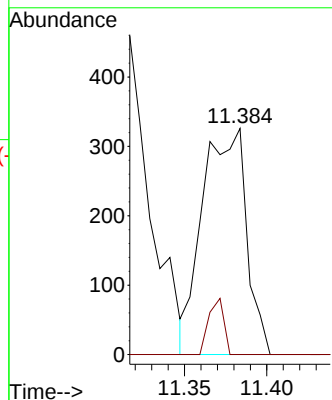
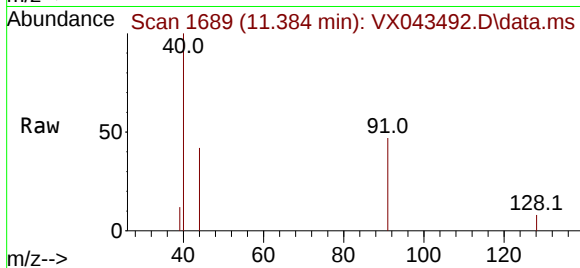
ClientSampleId :

Tgt Ion: 91 Resp: 603

Ion Ratio Lower Upper

91 100

126 8.6 16.7 50.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.733 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043492.D

Acq: 23 Oct 2024 16:59

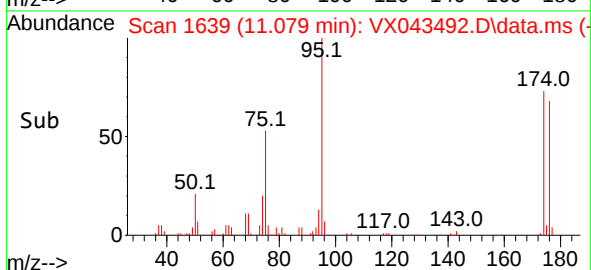
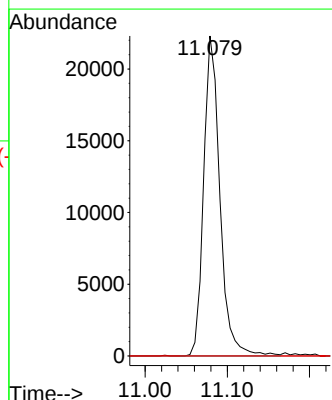
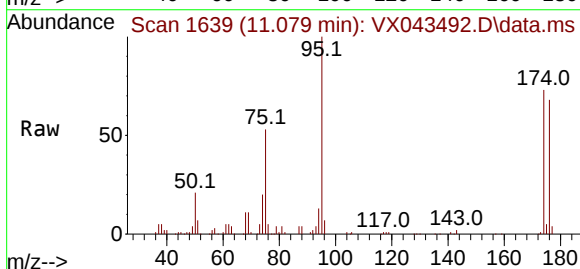
Tgt Ion: 75 Resp: 30589

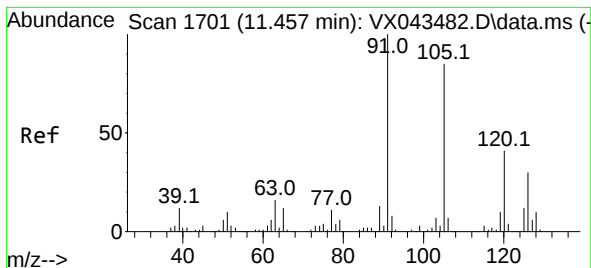
Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.0 40.1 60.1#

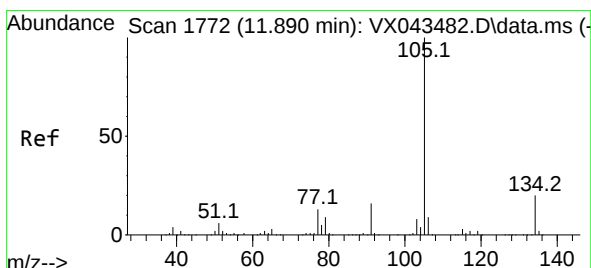
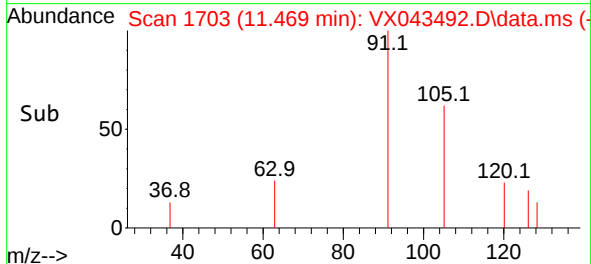
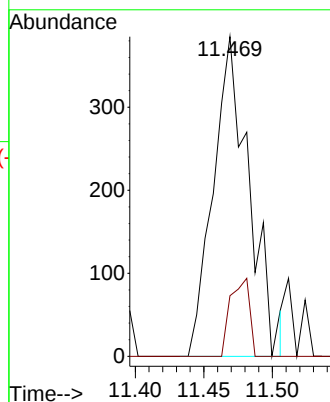
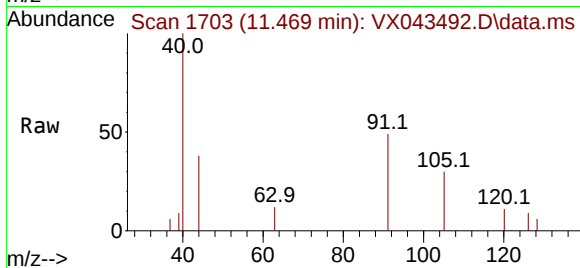




#82
4-Chlorotoluene
Concen: 0.216 ug/l
RT: 11.469 min Scan# 1703
Delta R.T. 0.012 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

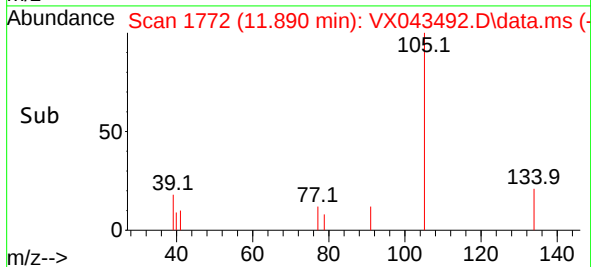
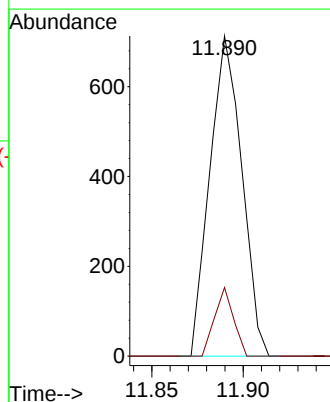
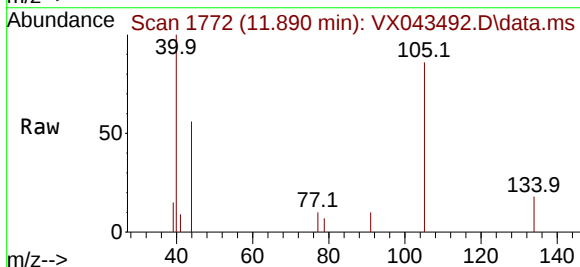
Instrument :
MSVOA_X
ClientSampleId :

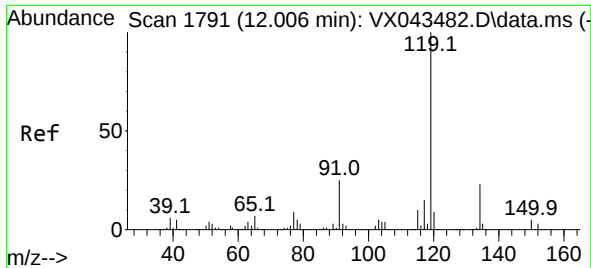
Tgt Ion: 91 Resp: 701
Ion Ratio Lower Upper
91 100
126 13.0 13.9 41.6#



#85
sec-Butylbenzene
Concen: 0.243 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion: 105 Resp: 868
Ion Ratio Lower Upper
105 100
134 12.7 10.2 30.4

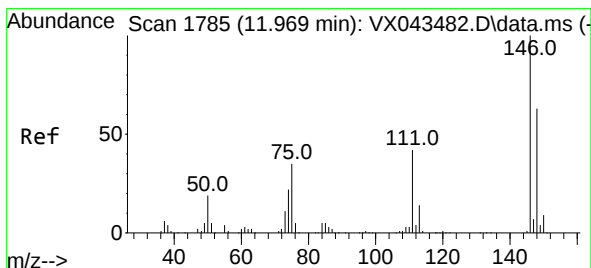
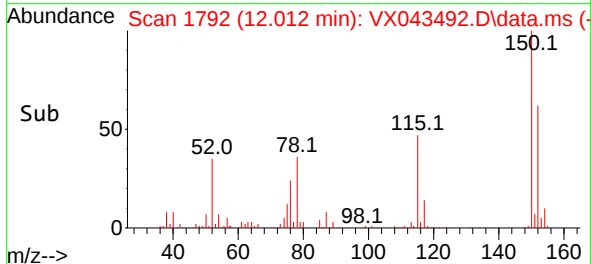
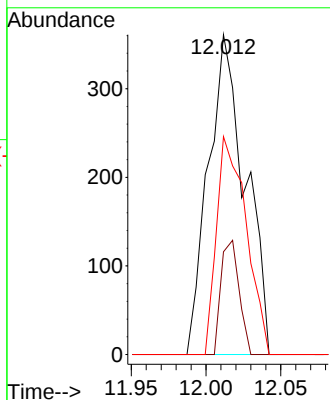
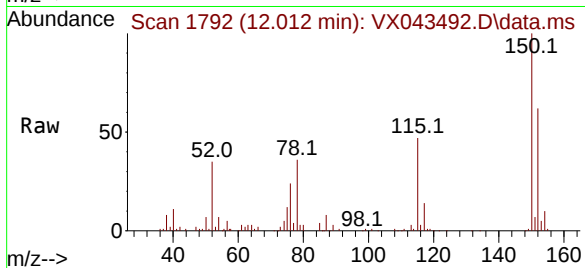




#86
p-Isopropyltoluene
Concen: 0.207 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

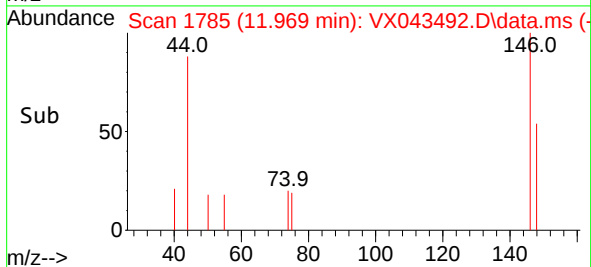
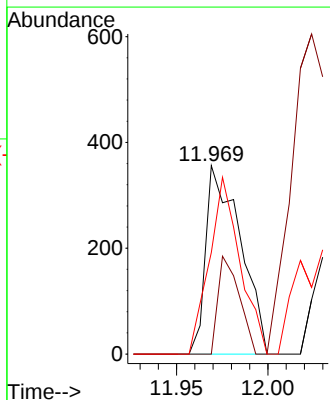
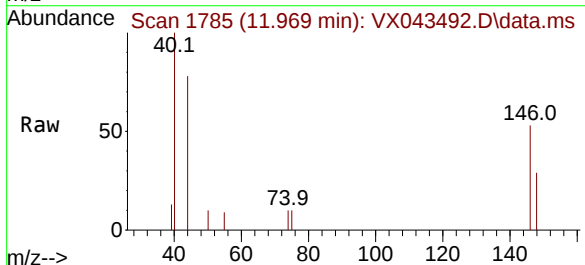
Instrument :
MSVOA_X
ClientSampleId :

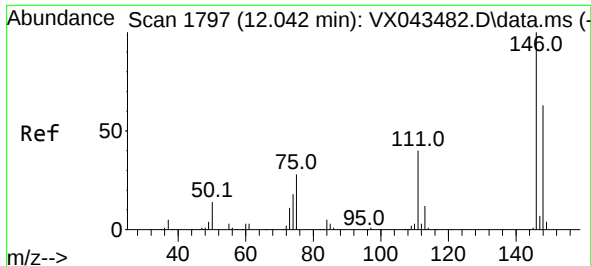
Tgt Ion:119 Resp: 621
Ion Ratio Lower Upper
119 100
134 17.4 12.3 36.9
91 54.4 12.5 37.5#



#87
1,3-Dichlorobenzene
Concen: 0.270 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

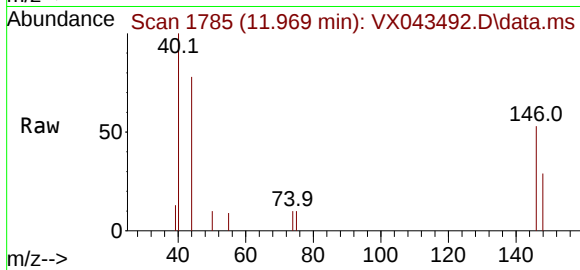
Tgt Ion:146 Resp: 469
Ion Ratio Lower Upper
146 100
111 31.8 20.8 62.2
148 83.2 31.8 95.3



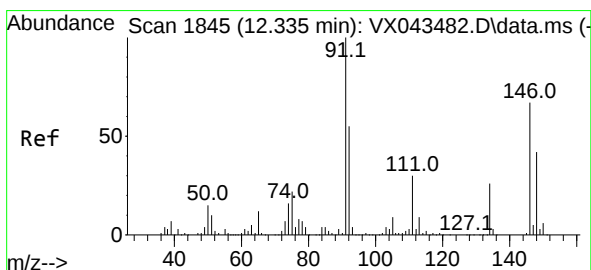
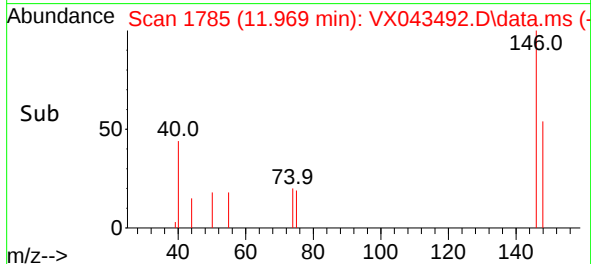
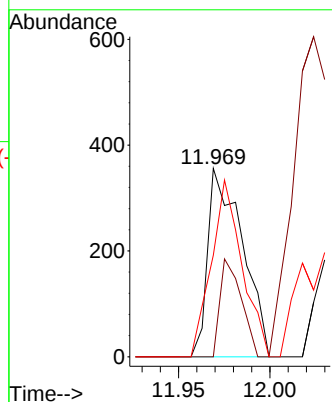


#88
1,4-Dichlorobenzene
Concen: 0.265 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.073 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Instrument :
MSVOA_X
ClientSampleId :

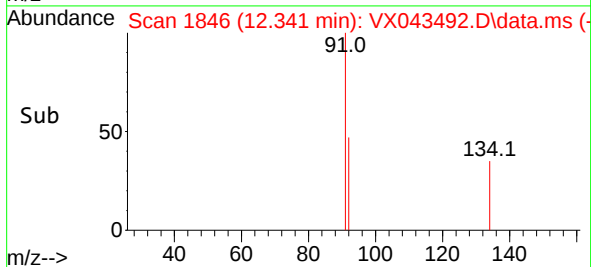
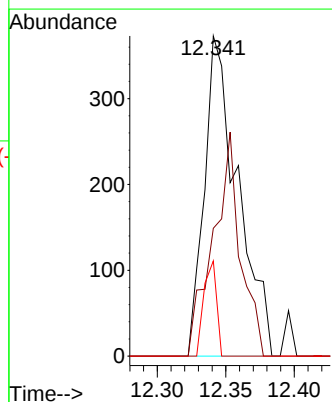
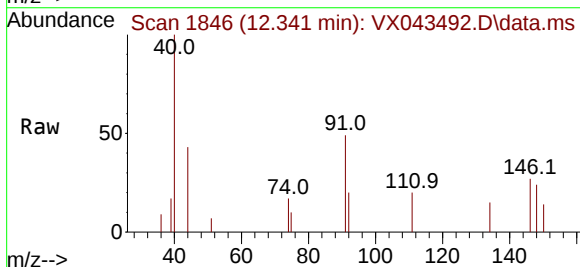


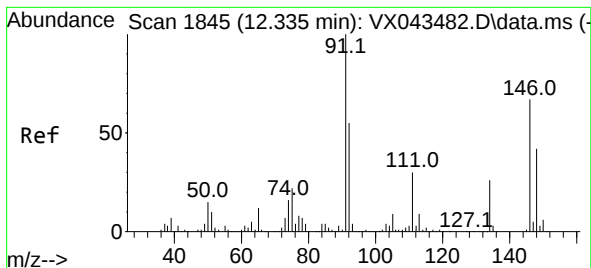
Tgt Ion:146 Resp: 469
Ion Ratio Lower Upper
146 100
111 31.8 20.6 61.9
148 83.2 31.9 95.7



#89
n-Butylbenzene
Concen: 0.253 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion: 91 Resp: 632
Ion Ratio Lower Upper
91 100
92 57.0 27.3 81.8
134 11.4 12.7 38.1#





#91

1,2-Dichlorobenzene

Concen: 0.228 ug/l

RT: 12.347 min Scan# 1845

Delta R.T. 0.012 min

Lab File: VX043492.D

Acq: 23 Oct 2024 16:59

Instrument :

MSVOA_X

ClientSampleId :

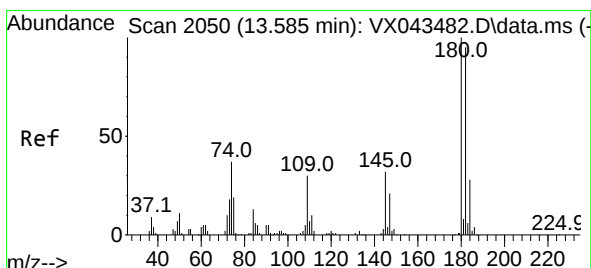
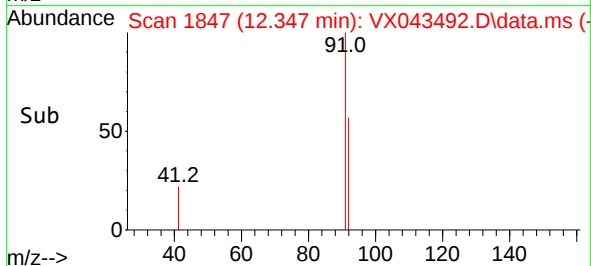
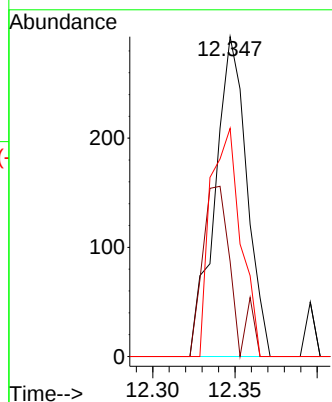
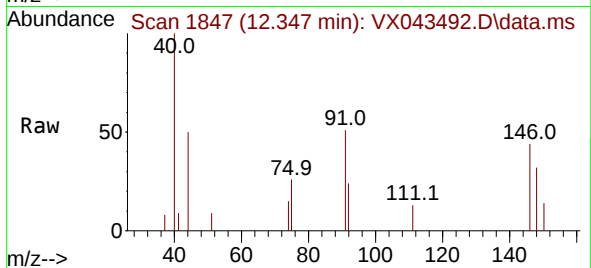
Tgt Ion:146 Resp: 395

Ion Ratio Lower Upper

146 100

111 48.4 22.7 68.0

148 67.6 31.9 95.9



#93

1,2,4-Trichlorobenzene

Concen: 0.611 ug/l

RT: 13.603 min Scan# 2053

Delta R.T. 0.018 min

Lab File: VX043492.D

Acq: 23 Oct 2024 16:59

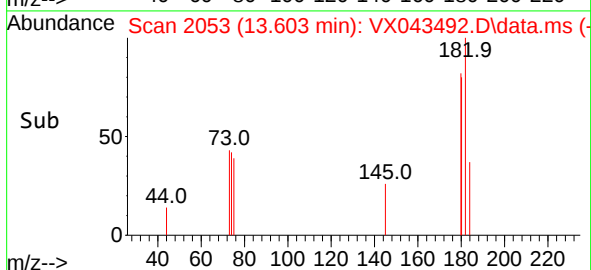
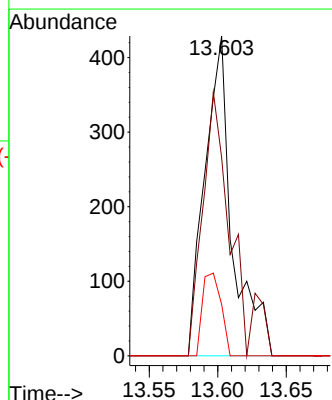
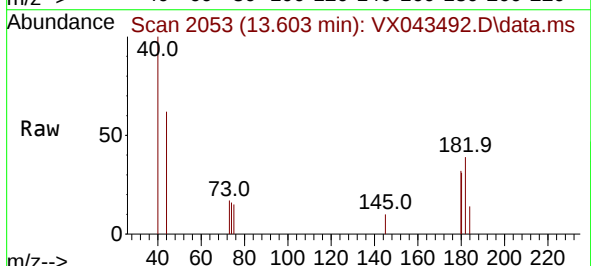
Tgt Ion:180 Resp: 601

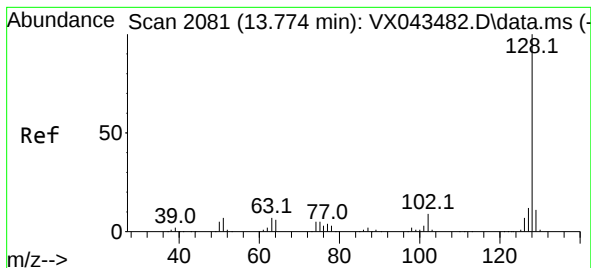
Ion Ratio Lower Upper

180 100

182 86.5 47.8 143.3

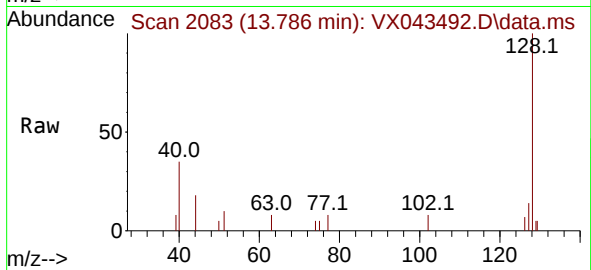
145 17.5 16.5 49.5



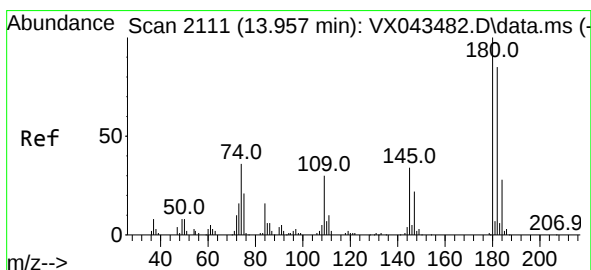
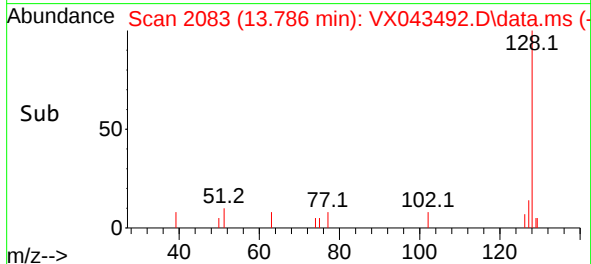
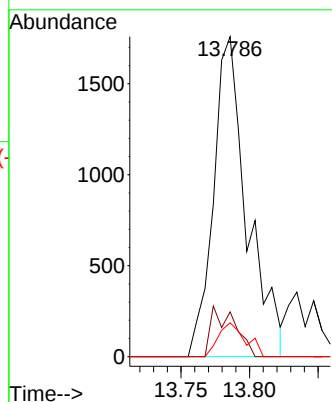


#95
Naphthalene
Concen: 0.980 ug/l
RT: 13.786 min Scan# 2081
Delta R.T. 0.012 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 2998
Ion Ratio Lower Upper
128 100
127 11.1 9.8 14.6
129 8.5 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.816 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX043492.D
Acq: 23 Oct 2024 16:59

Tgt Ion:180 Resp: 795
Ion Ratio Lower Upper
180 100
182 84.0 45.5 136.5
145 24.5 17.2 51.5

