

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
 Data File : VX044058.D
 Acq On : 02 Dec 2024 12:12
 Operator : JC/MD
 Sample : P5021-06DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 03 00:16:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

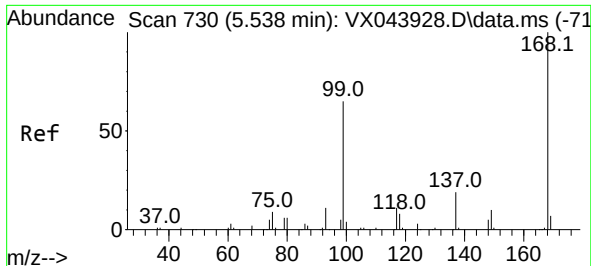
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	125735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	244727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110514	51.245	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.379	113	80905	46.266	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.540%			
50) Toluene-d8	8.647	98	298010	49.438	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.880%			
62) 4-Bromofluorobenzene	11.079	95	104817	51.094	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.180%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	506	0.461	ug/l #	57
6) Chloroethane	1.666	64	488	0.449	ug/l #	60
11) Tert butyl alcohol	2.947	59	1463	4.227	ug/l #	73
13) Acrolein	2.203	56	380	1.042	ug/l #	1
16) Acetone	2.386	43	1099	1.110	ug/l #	80
31) Cyclohexane	5.464	56	3691	1.536	ug/l	87
36) 1,1-Dichloropropene	5.544	75	11959	5.488	ug/l #	46
38) Carbon Tetrachloride	5.538	117	14870	6.073	ug/l #	15
39) Methylcyclohexane	7.367	83	2531	0.894	ug/l #	80
40) Benzene	6.031	78	92068	13.564	ug/l	99
42) 1,2-Dichloroethane	6.037	62	1041	0.382	ug/l #	77
52) Toluene	8.720	92	6099	1.501	ug/l	91
67) Ethyl Benzene	10.189	91	233006	29.064	ug/l	98
68) m/p-Xylenes	10.305	106	28949	9.683	ug/l	96
69) o-Xylene	10.640	106	12436	4.260	ug/l	98
70) Styrene	10.665	104	2670	0.553	ug/l #	24
73) Isopropylbenzene	10.963	105	6999	0.930	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	59383	27.658	ug/l #	34
78) n-propylbenzene	11.305	91	15361	1.828	ug/l	93
79) 2-Chlorotoluene	11.396	91	3086	0.581	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.396	105	17909	2.892	ug/l	73
81) trans-1,4-Dichloro-2-b...	11.079	75	59383	75.473	ug/l #	6
83) tert-Butylbenzene	11.750	119	12235	1.994	ug/l #	50
84) 1,2,4-Trimethylbenzene	11.750	105	107822	17.492	ug/l	100
85) sec-Butylbenzene	11.750	105	107822	14.340	ug/l #	57
90) Hexachloroethane	12.640	117	2948	2.839	ug/l #	18
95) Naphthalene	13.774	128	62538	8.930	ug/l	100

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

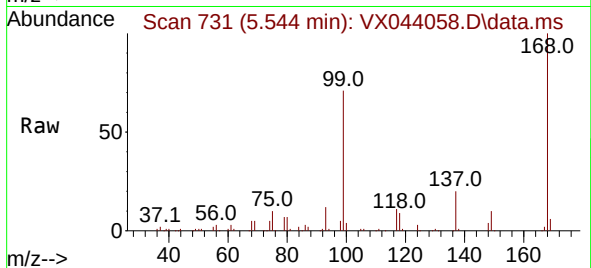
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



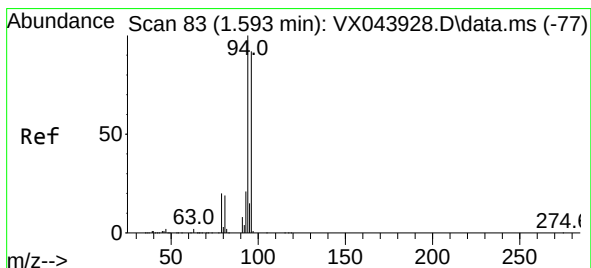
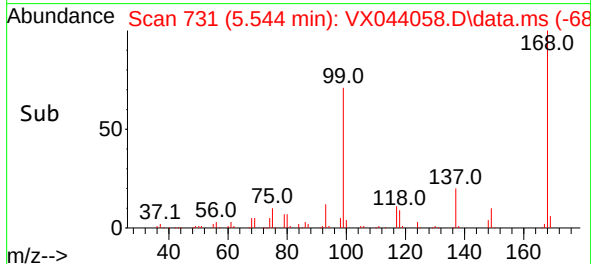
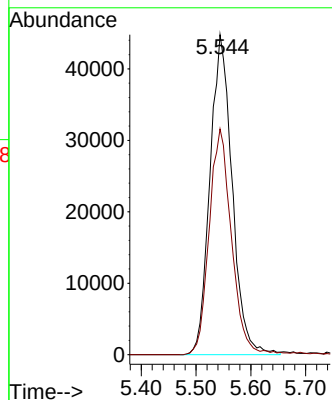


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

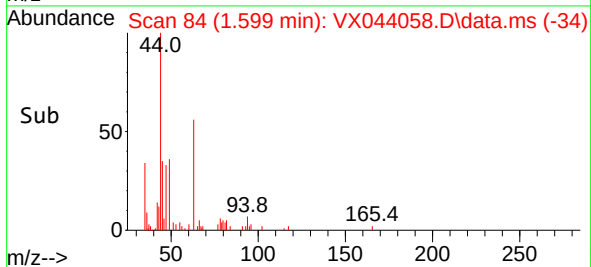
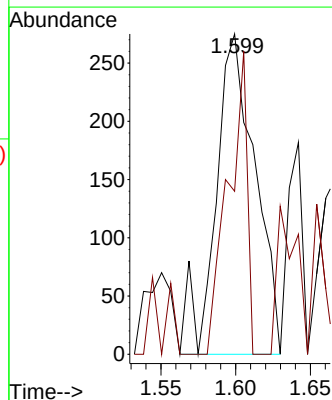
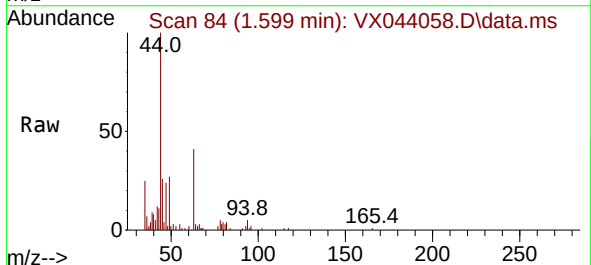


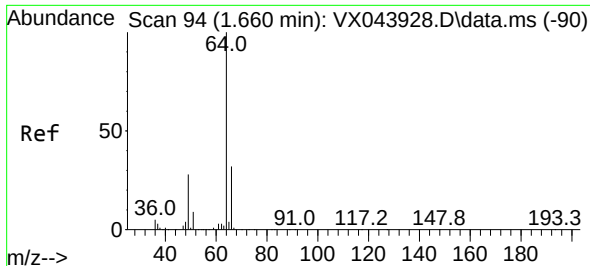
Tgt Ion:168 Resp: 125735
Ion Ratio Lower Upper
168 100
99 70.5 51.8 77.8



#5
Bromomethane
Concen: 0.461 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion: 94 Resp: 506
Ion Ratio Lower Upper
94 100
96 50.9 73.9 110.9#

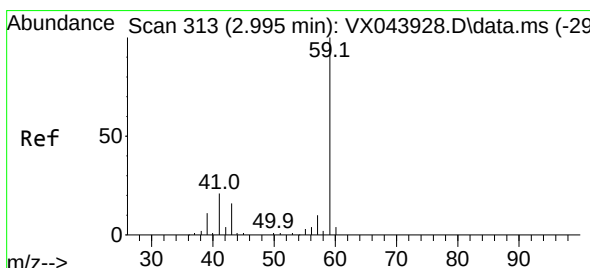
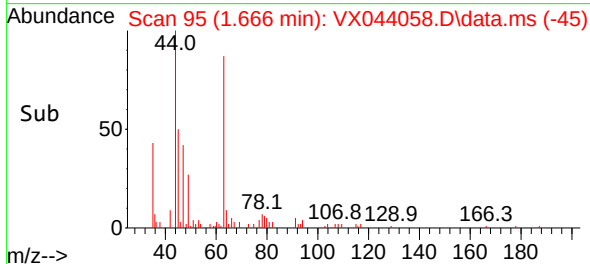
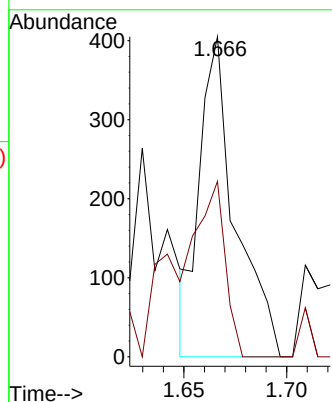
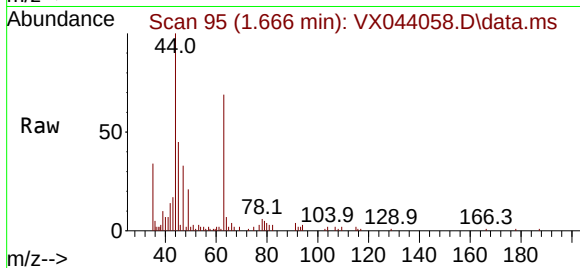




#6
Chloroethane
Concen: 0.449 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

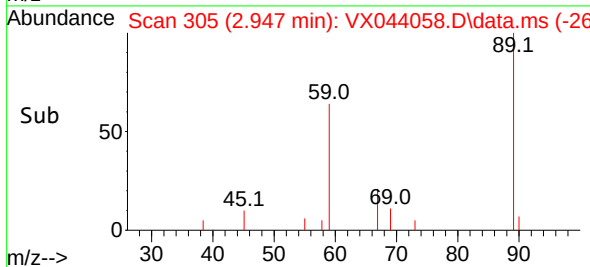
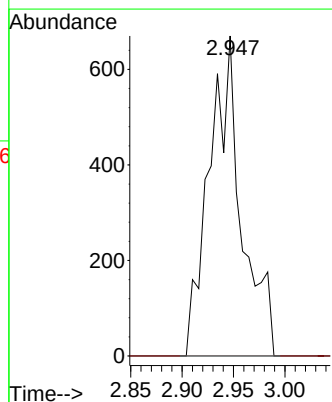
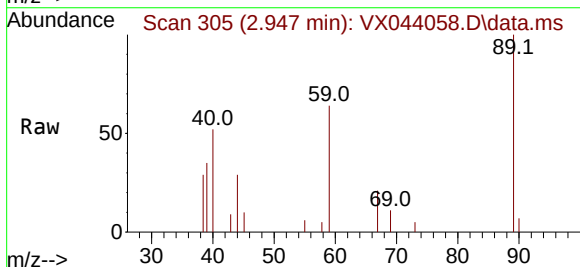
Instrument :
MSVOA_X
ClientSampleId :

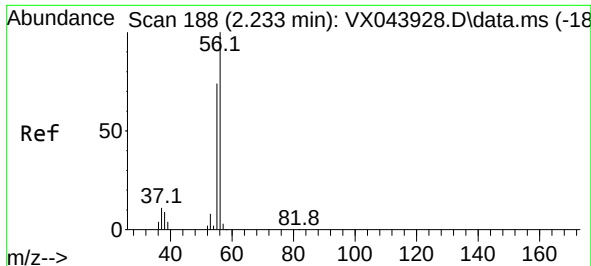
Tgt Ion: 64 Resp: 488
Ion Ratio Lower Upper
64 100
66 54.8 25.9 38.9#



#11
Tert butyl alcohol
Concen: 4.227 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion: 59 Resp: 1463
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

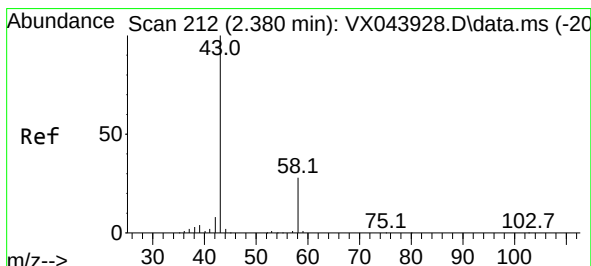
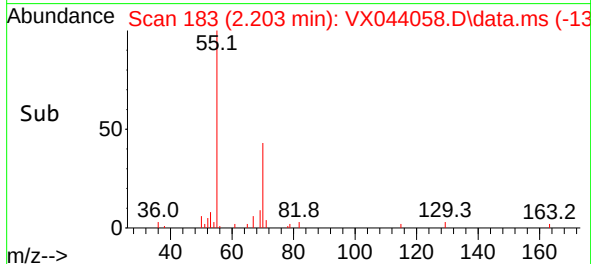
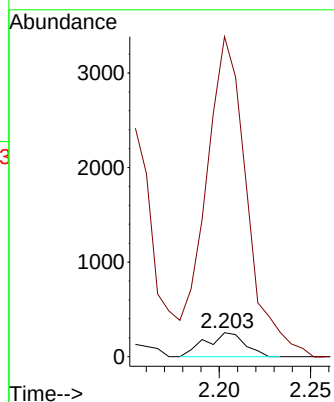
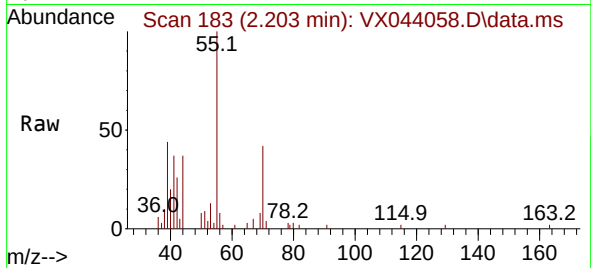




#13
Acrolein
Concen: 1.042 ug/l
RT: 2.203 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

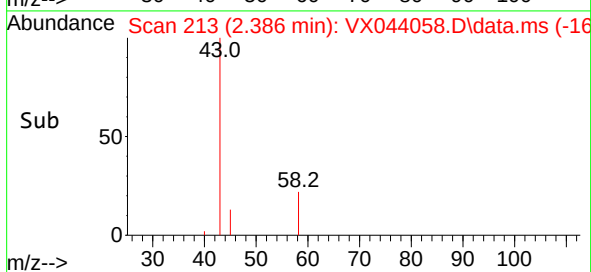
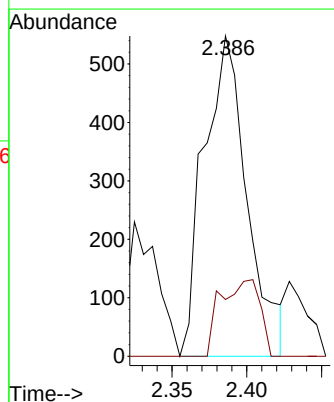
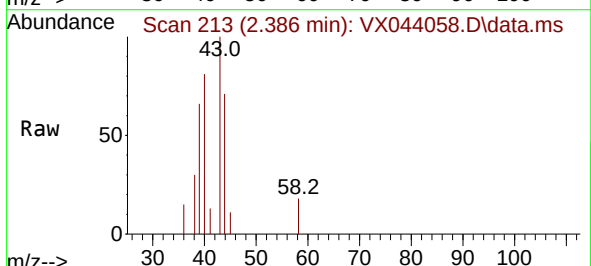
Instrument :
MSVOA_X
ClientSampleId :

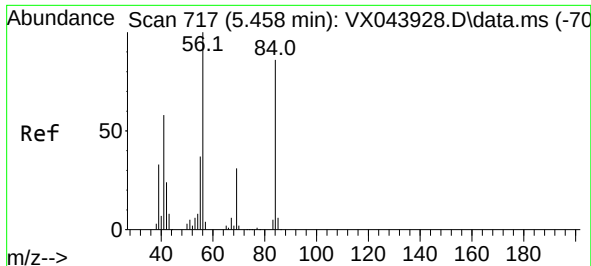
Tgt Ion: 56 Resp: 380
Ion Ratio Lower Upper
56 100
55 1379.2 58.2 87.2#



#16
Acetone
Concen: 1.110 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

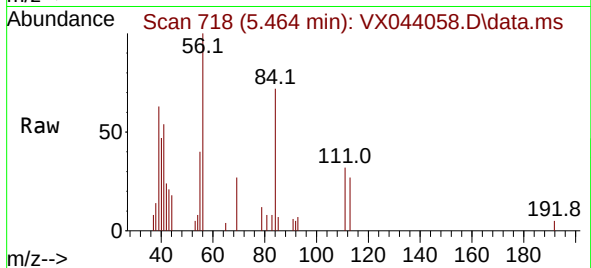
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 17.7 22.7 34.1#



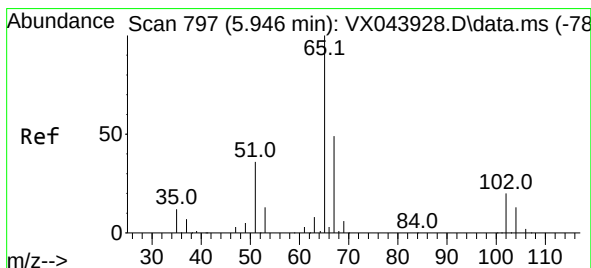
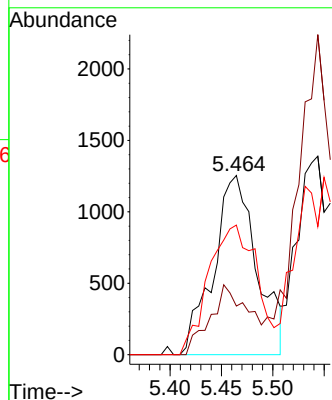
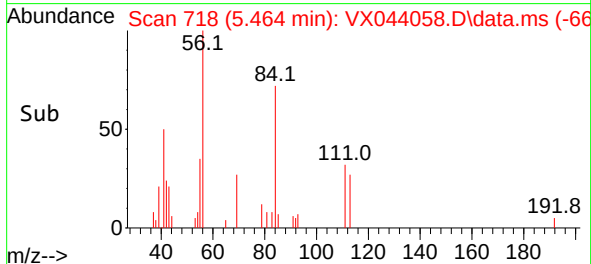


#31
Cyclohexane
Concen: 1.536 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

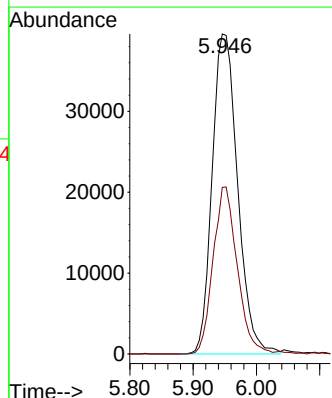
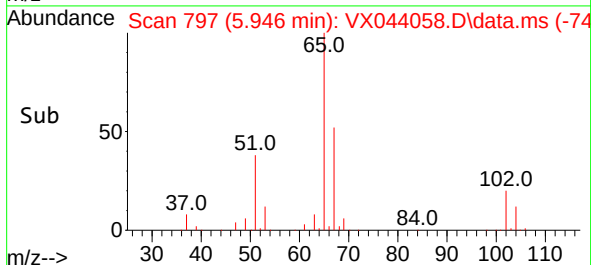
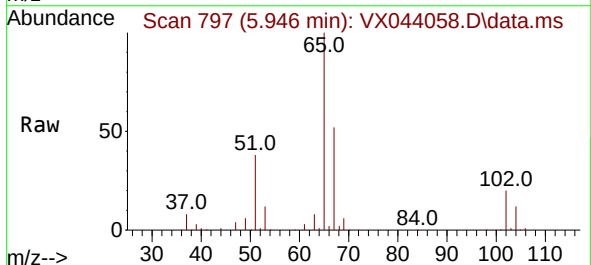


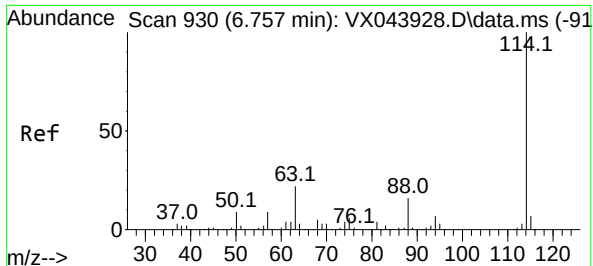
Tgt Ion: 56 Resp: 3691
Ion Ratio Lower Upper
56 100
69 27.2 24.7 37.1
84 72.3 68.7 103.1



#33
1,2-Dichloroethane-d4
Concen: 51.245 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion: 65 Resp: 110514
Ion Ratio Lower Upper
65 100
67 49.6 0.0 100.8

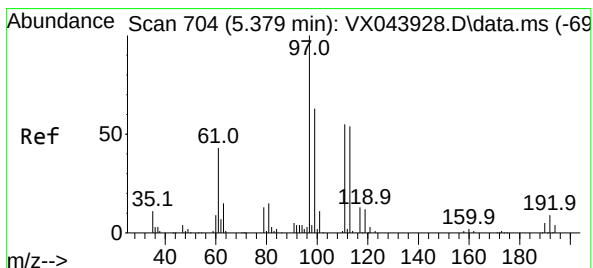
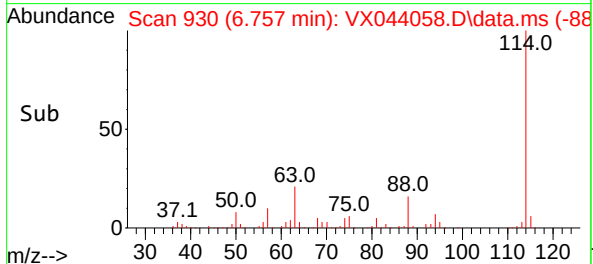
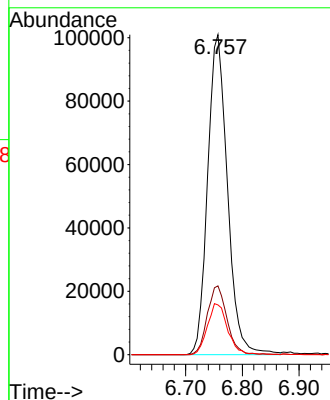
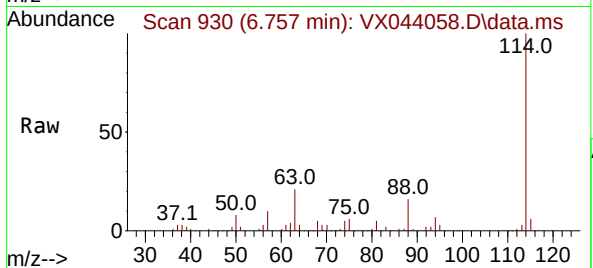




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

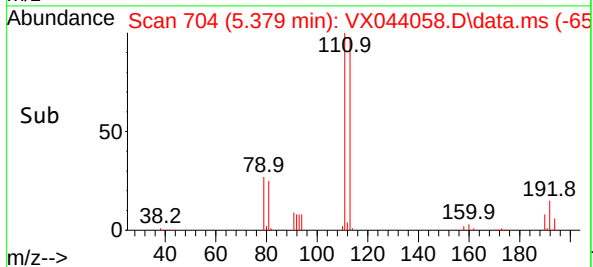
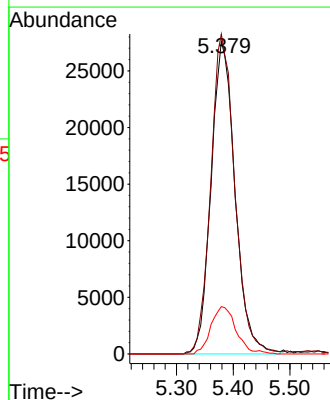
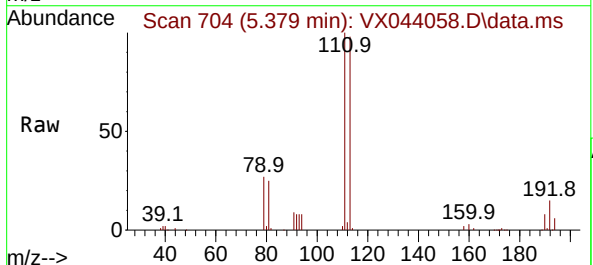
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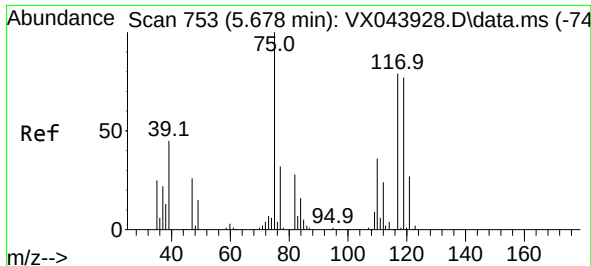
Tgt Ion:114 Resp: 244727
Ion Ratio Lower Upper
114 100
63 21.5 0.0 44.0
88 15.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.266 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

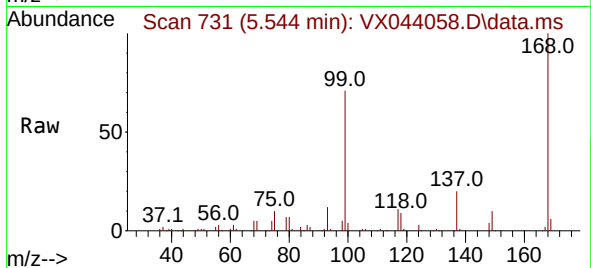
Tgt Ion:113 Resp: 80905
Ion Ratio Lower Upper
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111 102.8 81.0 121.4
192 15.9 13.0 19.6



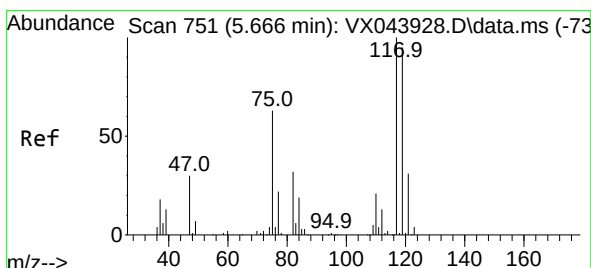
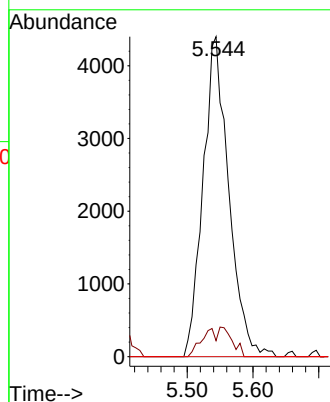
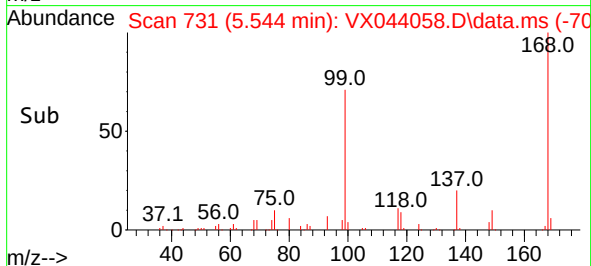


#36
1,1-Dichloropropene
Concen: 5.488 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

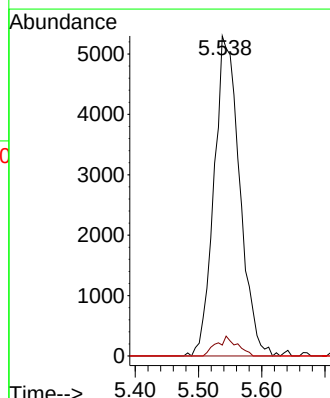
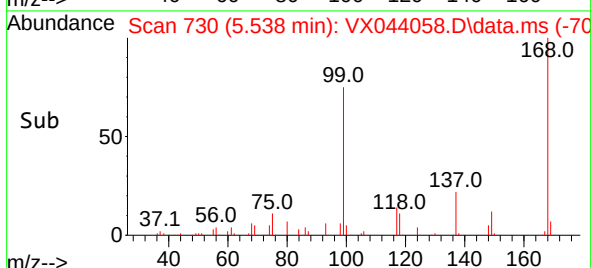
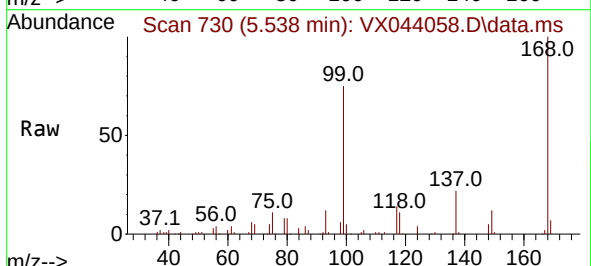


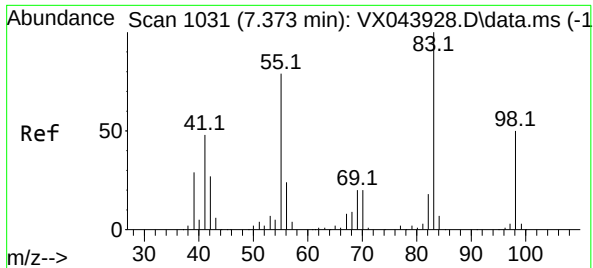
Tgt Ion: 75 Resp: 11959
Ion Ratio Lower Upper
75 100
110 5.1 17.4 52.2#
77 0.0 25.8 38.8#



#38
Carbon Tetrachloride
Concen: 6.073 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion: 117 Resp: 14870
Ion Ratio Lower Upper
117 100
119 3.4 75.2 112.8#
121 0.0 24.5 36.7#

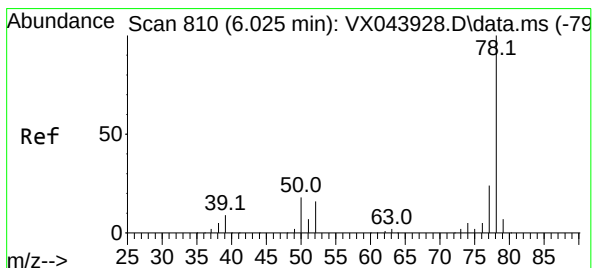
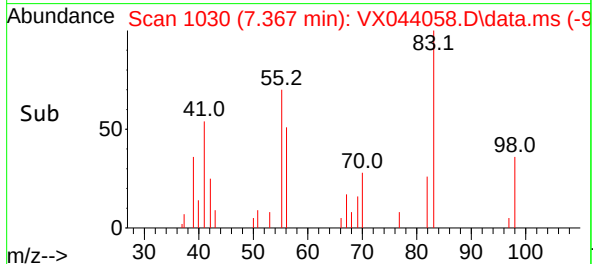
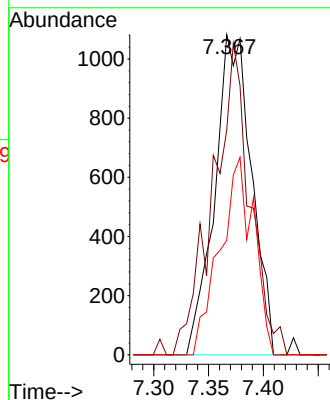
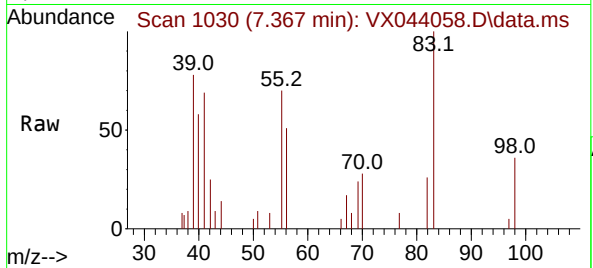




#39
Methylcyclohexane
Concen: 0.894 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

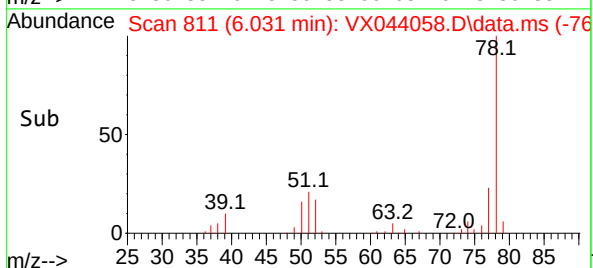
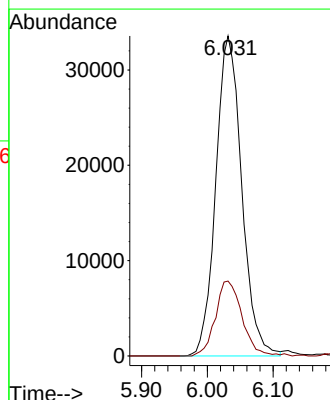
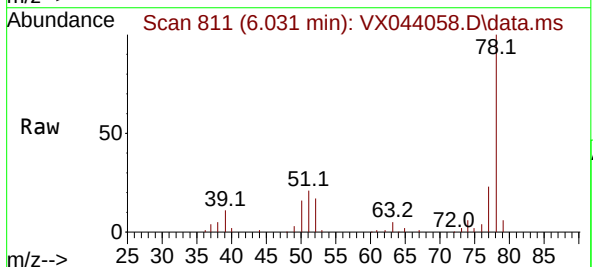
Instrument :
MSVOA_X
ClientSampleId :

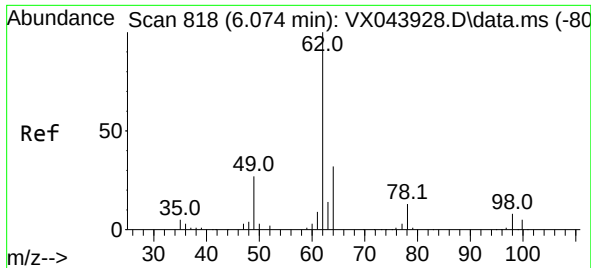
Tgt Ion: 83 Resp: 2531
Ion Ratio Lower Upper
83 100
55 62.3 63.1 94.7#
98 35.8 40.0 60.0#



#40
Benzene
Concen: 13.564 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion: 78 Resp: 92068
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8





#42

1,2-Dichloroethane

Concen: 0.382 ug/l

RT: 6.037 min Scan# 81

Delta R.T. -0.037 min

Lab File: VX044058.D

Acq: 02 Dec 2024 12:12

Instrument :

MSVOA_X

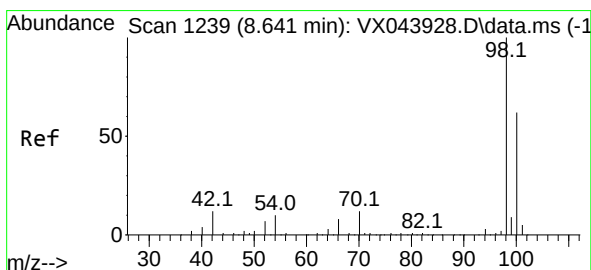
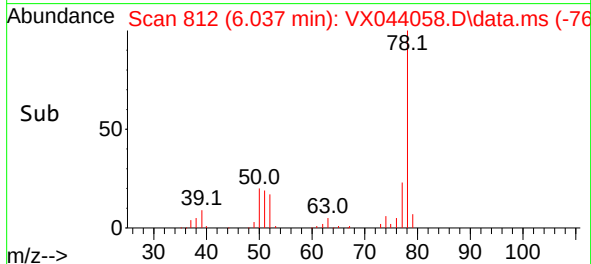
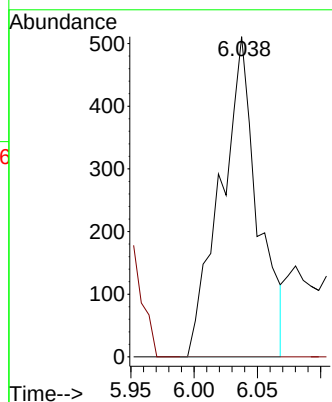
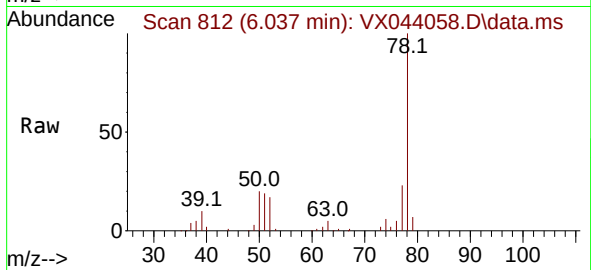
ClientSampleId :

Tgt Ion: 62 Resp: 1041

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.4



#50

Toluene-d8

Concen: 49.438 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044058.D

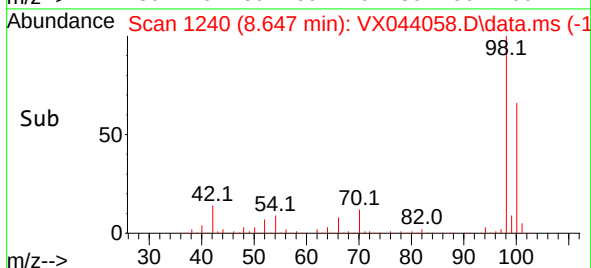
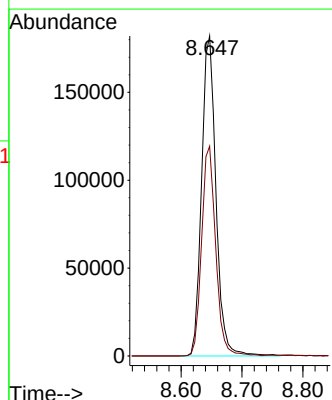
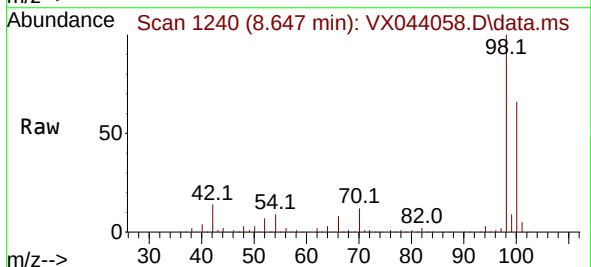
Acq: 02 Dec 2024 12:12

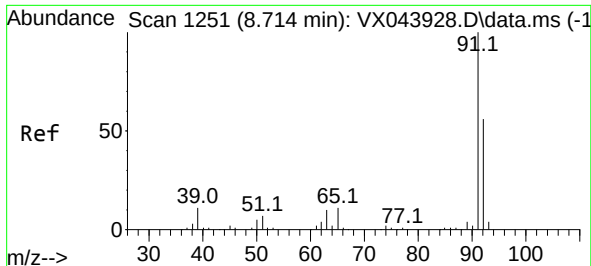
Tgt Ion: 98 Resp: 298010

Ion Ratio Lower Upper

98 100

100 64.5 52.6 79.0

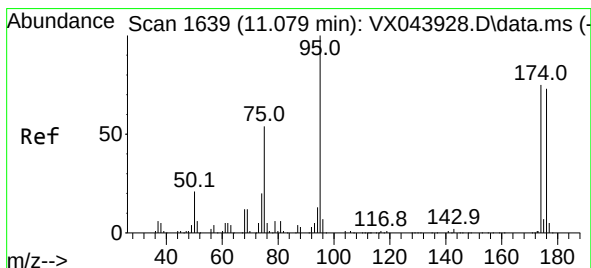
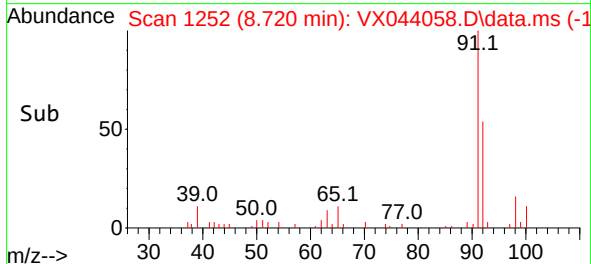
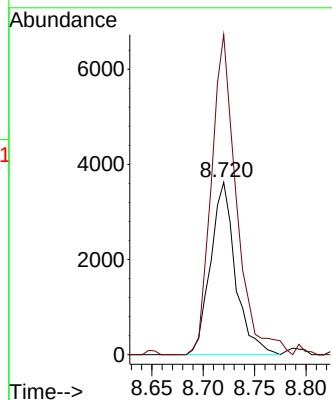
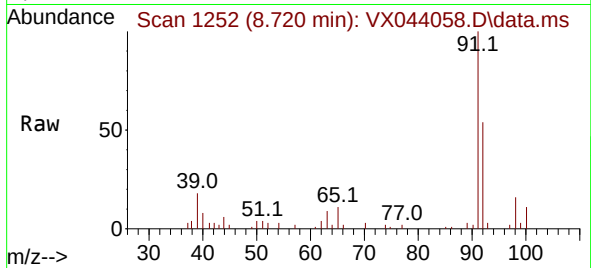




#52
Toluene
Concen: 1.501 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

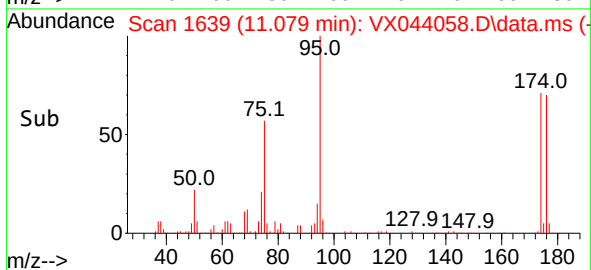
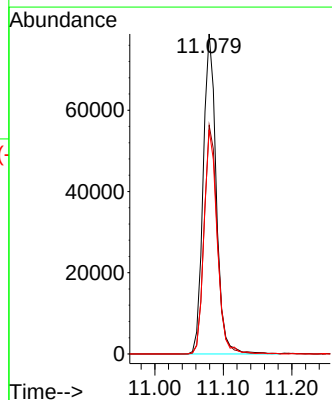
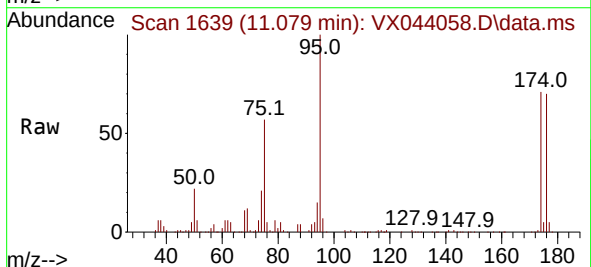
Instrument :
MSVOA_X
ClientSampleId :

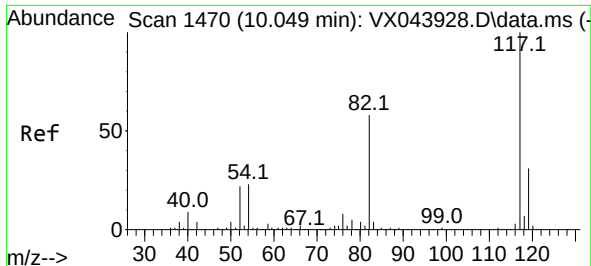
Tgt Ion: 92 Resp: 6099
Ion Ratio Lower Upper
92 100
91 187.7 139.7 209.5



#62
4-Bromofluorobenzene
Concen: 51.094 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion: 95 Resp: 104817
Ion Ratio Lower Upper
95 100
174 71.6 0.0 150.4
176 70.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044058.D

Acq: 02 Dec 2024 12:12

Instrument :

MSVOA_X

ClientSampleId :

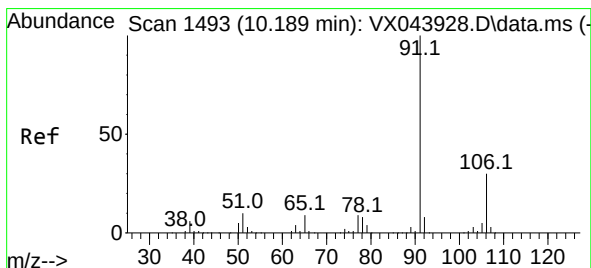
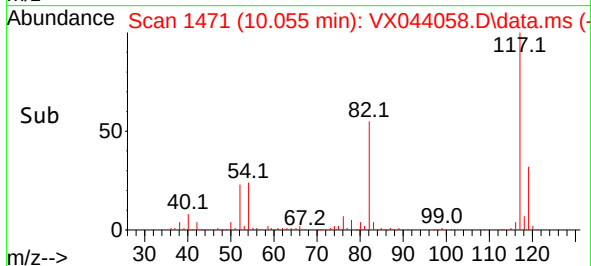
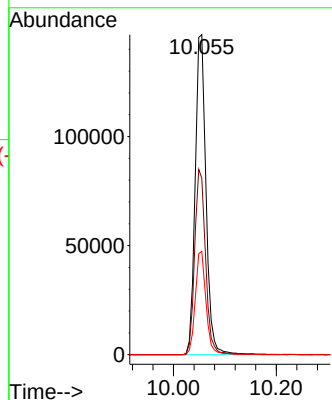
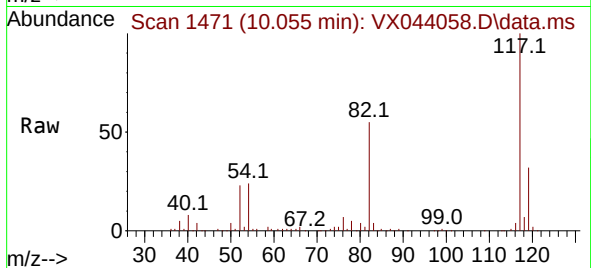
Tgt Ion:117 Resp: 215420

Ion Ratio Lower Upper

117 100

82 55.2 46.4 69.6

119 32.3 24.6 37.0



#67

Ethyl Benzene

Concen: 29.064 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044058.D

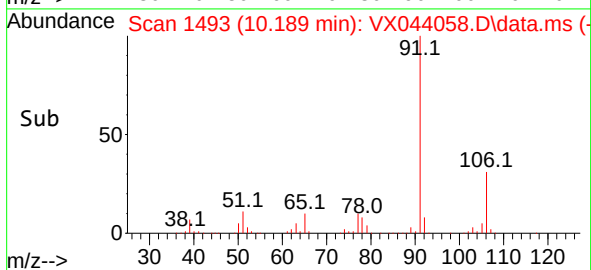
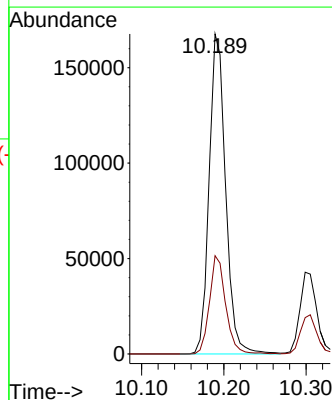
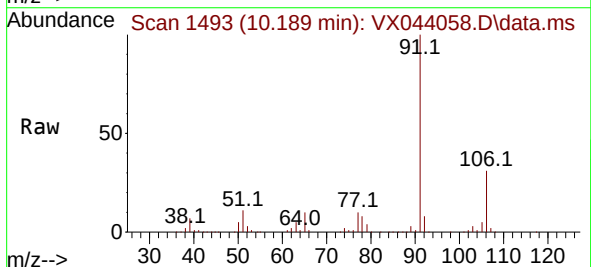
Acq: 02 Dec 2024 12:12

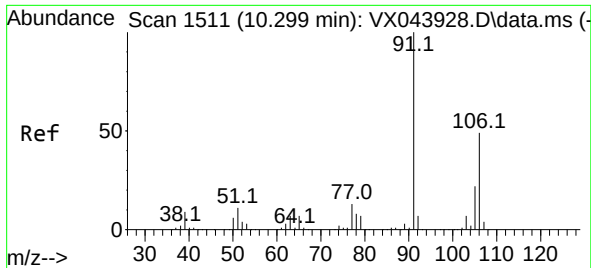
Tgt Ion: 91 Resp: 233006

Ion Ratio Lower Upper

91 100

106 30.7 23.6 35.4

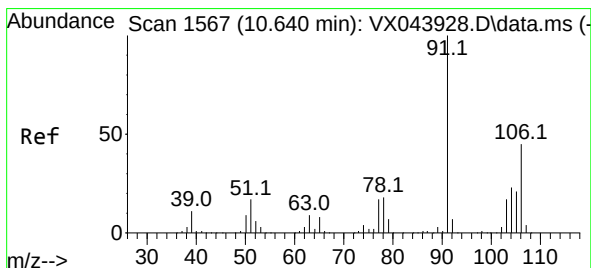
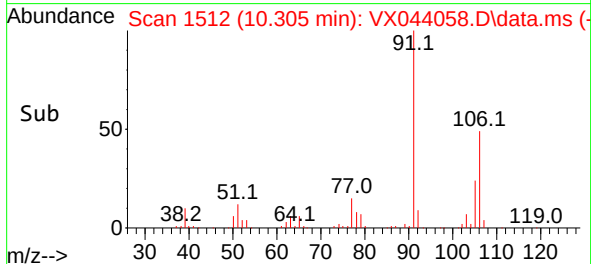
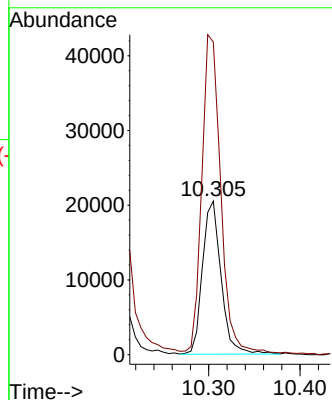
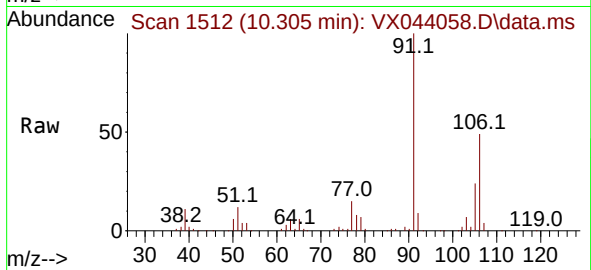




#68
m/p-Xylenes
Concen: 9.683 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

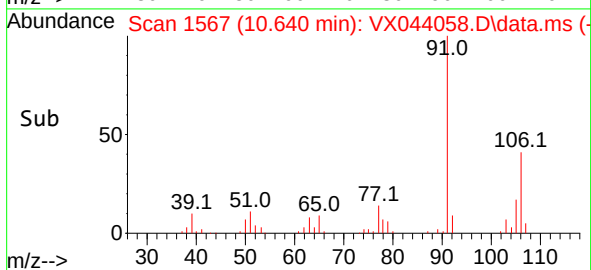
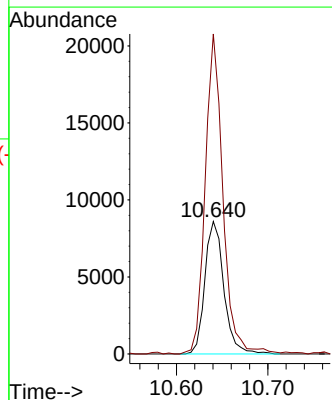
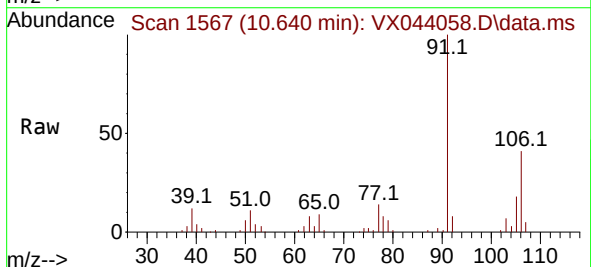
Instrument :
MSVOA_X
ClientSampleId :

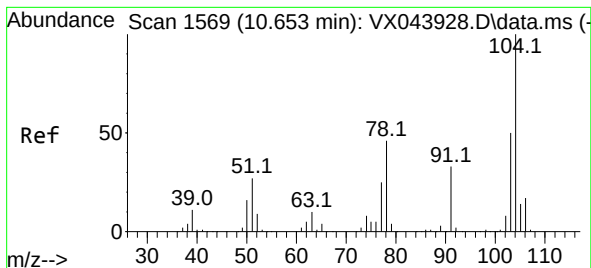
Tgt Ion:106 Resp: 28949
Ion Ratio Lower Upper
106 100
91 216.7 168.1 252.1



#69
o-Xylene
Concen: 4.260 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion:106 Resp: 12436
Ion Ratio Lower Upper
106 100
91 224.2 110.2 330.6





#70

Styrene

Concen: 0.553 ug/l

RT: 10.665 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX044058.D

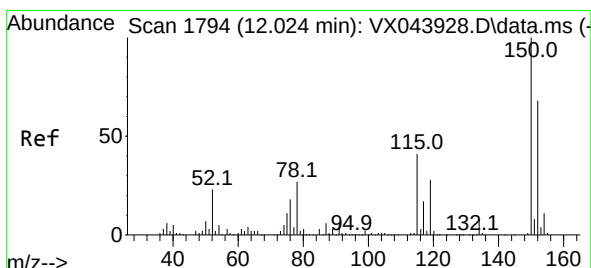
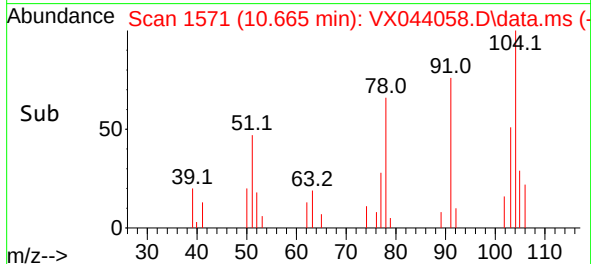
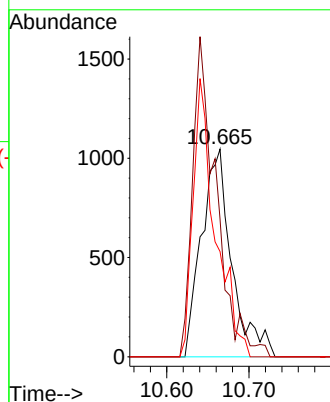
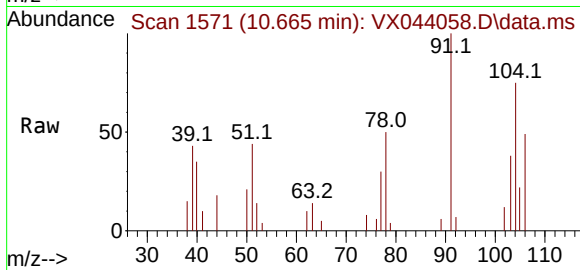
Acq: 02 Dec 2024 12:12

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	104	Resp:	2670
Ion Ratio	Lower	Upper	
104	100		
78	0.0	42.2	63.2#
103	0.0	44.7	67.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

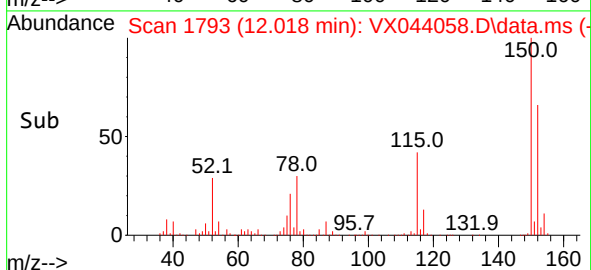
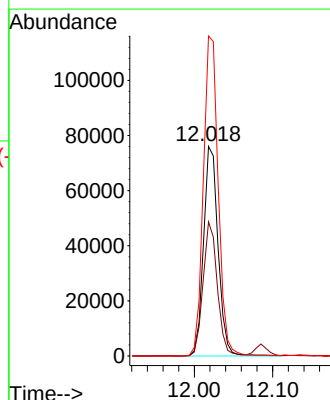
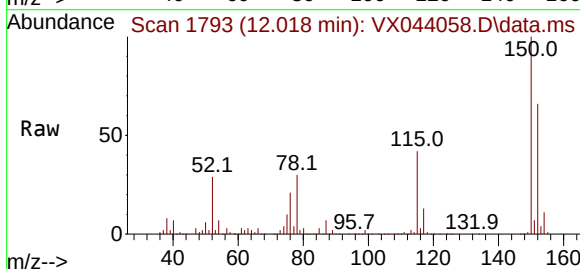
RT: 12.018 min Scan# 1793

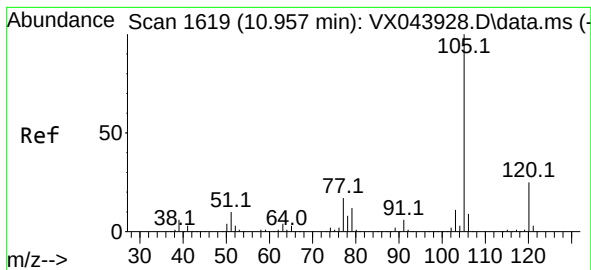
Delta R.T. -0.006 min

Lab File: VX044058.D

Acq: 02 Dec 2024 12:12

Tgt Ion:	152	Resp:	97904
Ion Ratio	Lower	Upper	
152	100		
115	62.6	45.4	136.2
150	156.4	0.0	353.0





#73

Isopropylbenzene

Concen: 0.930 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX044058.D

Acq: 02 Dec 2024 12:12

Instrument :

MSVOA_X

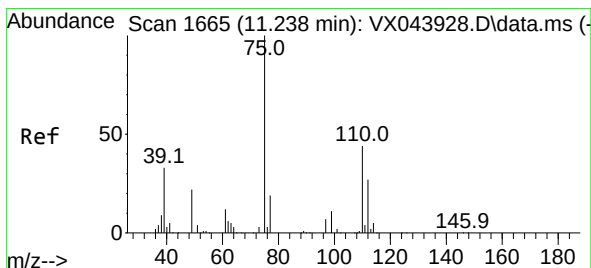
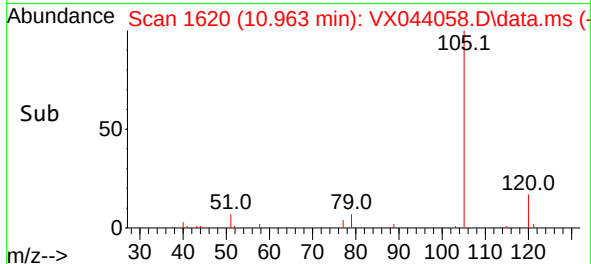
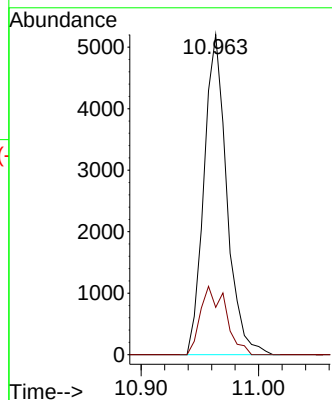
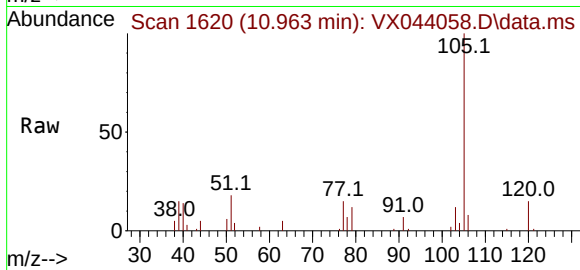
ClientSampleId :

Tgt Ion:105 Resp: 6999

Ion Ratio Lower Upper

105 100

120 23.9 13.0 38.9



#76

1,2,3-Trichloropropane

Concen: 27.658 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044058.D

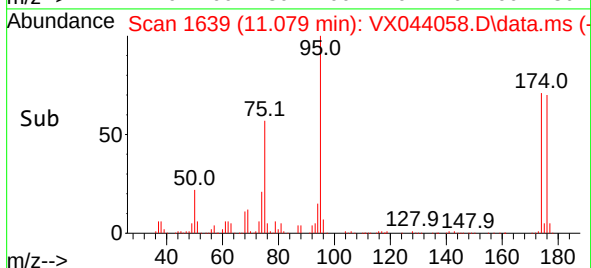
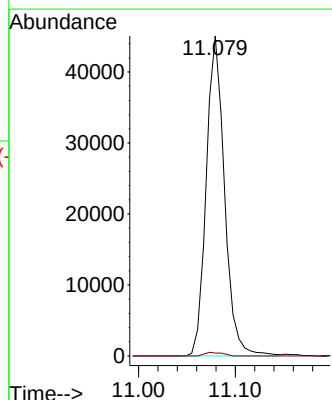
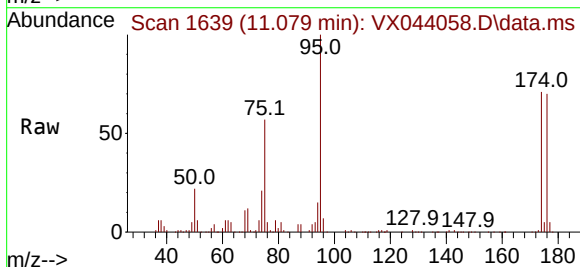
Acq: 02 Dec 2024 12:12

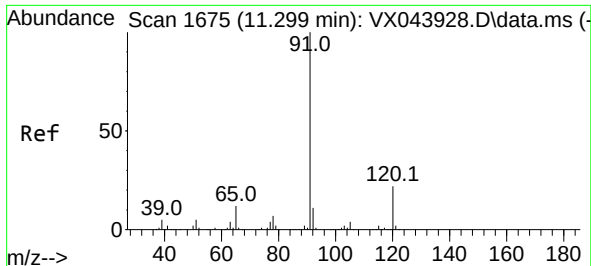
Tgt Ion: 75 Resp: 59383

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.3#

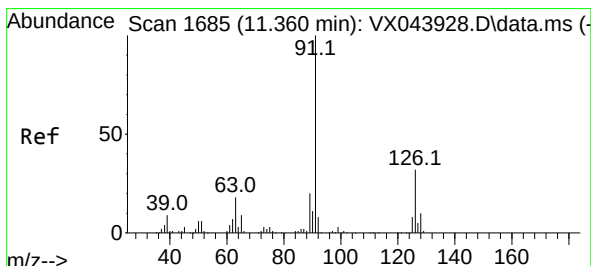
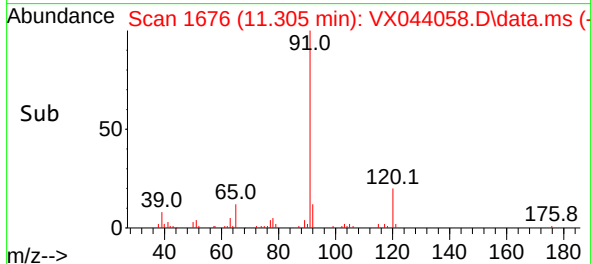
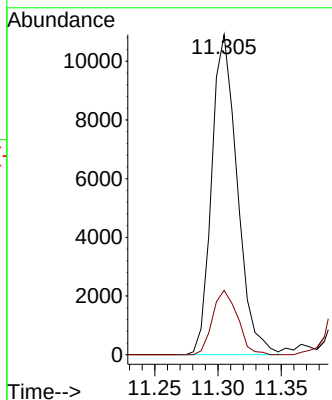
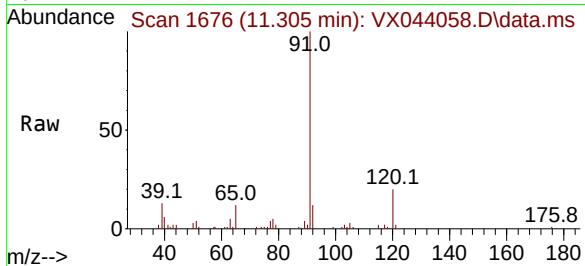




#78
n-propylbenzene
Concen: 1.828 ug/l
RT: 11.305 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

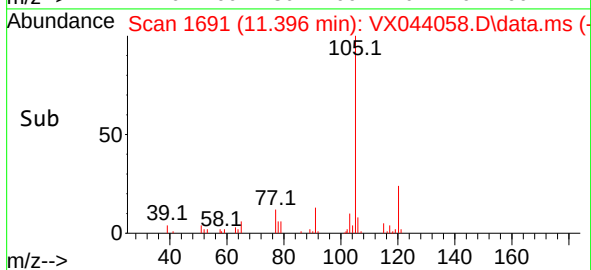
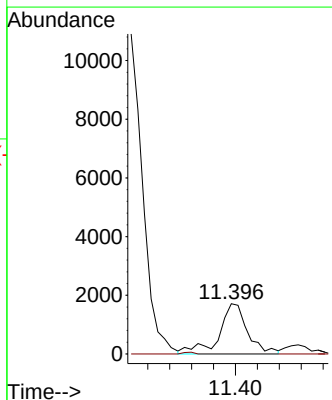
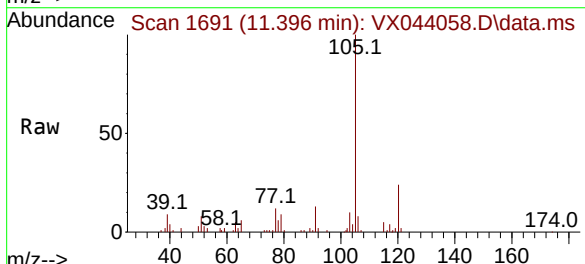
Instrument :
MSVOA_X
ClientSampleId :

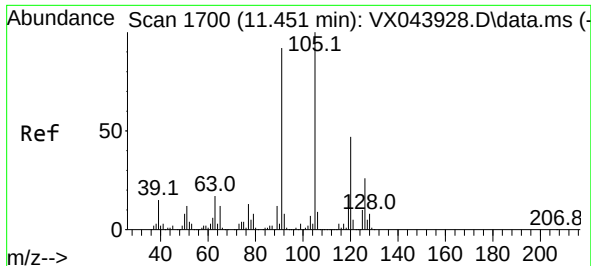
Tgt Ion: 91 Resp: 15361
Ion Ratio Lower Upper
91 100
120 19.6 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.581 ug/l
RT: 11.396 min Scan# 1691
Delta R.T. 0.036 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion: 91 Resp: 3086
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

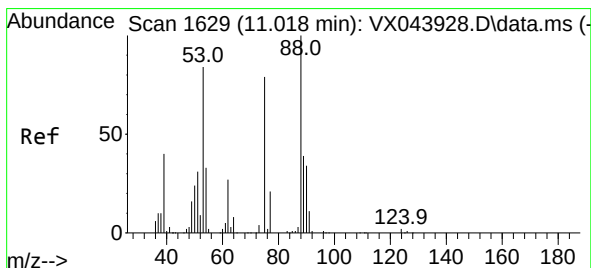
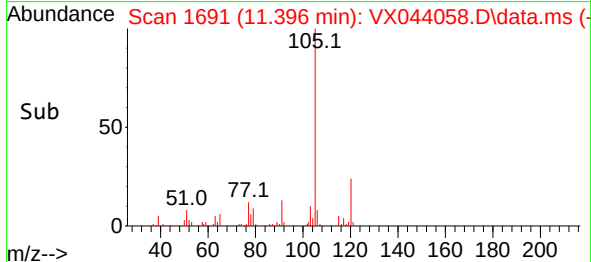
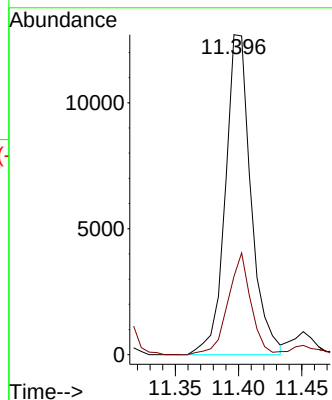
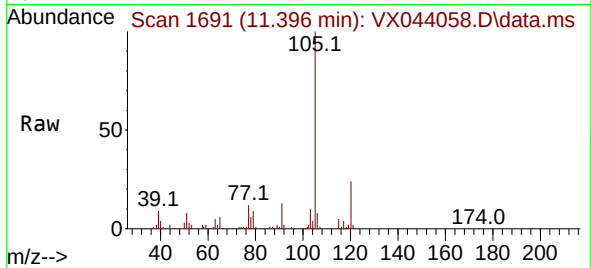




#80
1,3,5-Trimethylbenzene
Concen: 2.892 ug/l
RT: 11.396 min Scan# 1691
Delta R.T. -0.055 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

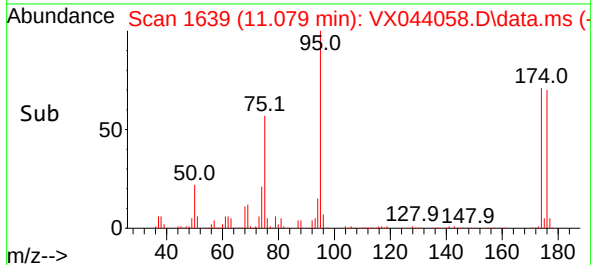
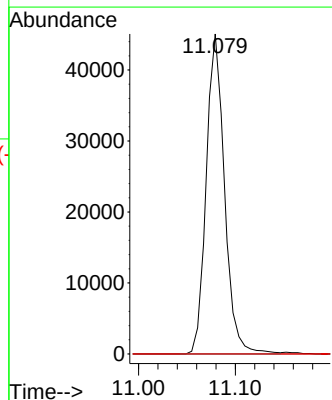
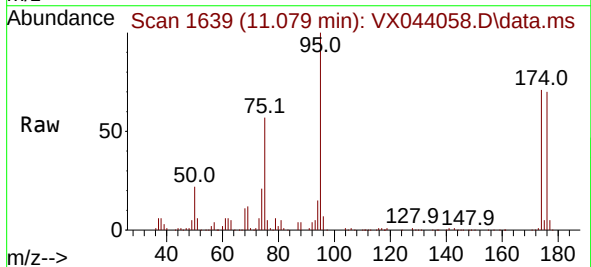
Instrument :
MSVOA_X
ClientSampleId :

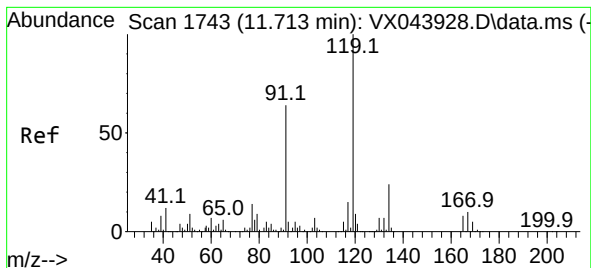
Tgt Ion:105 Resp: 17909
Ion Ratio Lower Upper
105 100
120 28.5 23.3 69.8



#81
trans-1,4-Dichloro-2-butene
Concen: 75.473 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion: 75 Resp: 59383
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.0 38.2 57.2#





#83

tert-Butylbenzene

Concen: 1.994 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.036 min

Lab File: VX044058.D

Acq: 02 Dec 2024 12:12

Instrument :

MSVOA_X

ClientSampleId :

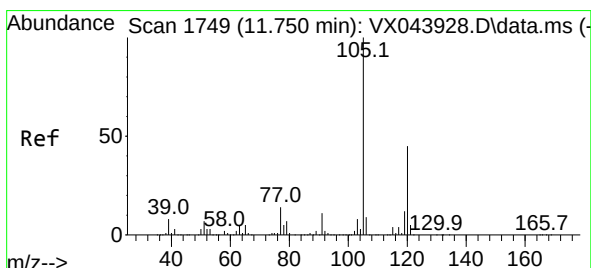
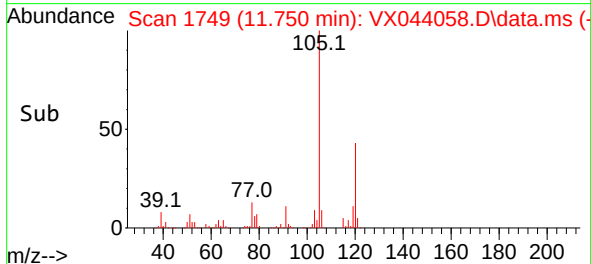
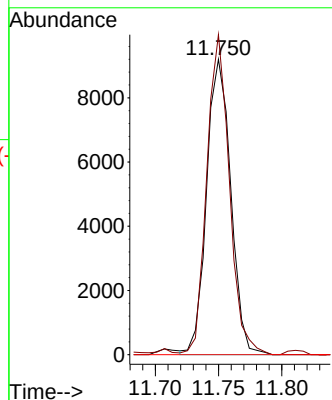
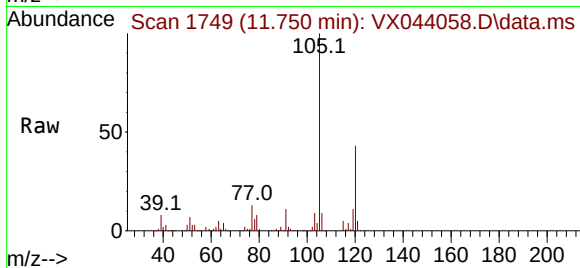
Tgt Ion:119 Resp: 12235

Ion Ratio Lower Upper

119 100

91 101.3 31.0 93.0#

134 0.0 11.6 34.8#



#84

1,2,4-Trimethylbenzene

Concen: 17.492 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044058.D

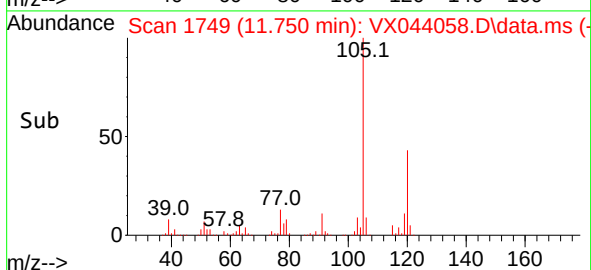
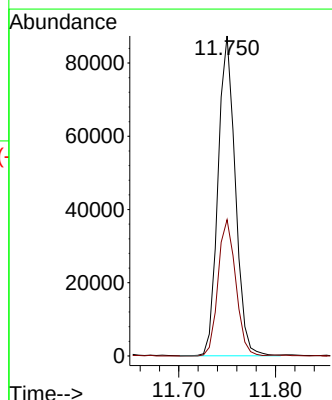
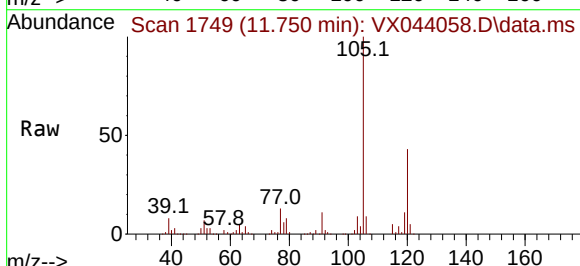
Acq: 02 Dec 2024 12:12

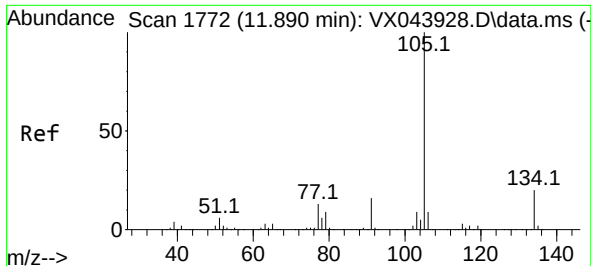
Tgt Ion:105 Resp: 107822

Ion Ratio Lower Upper

105 100

120 43.7 21.9 65.7

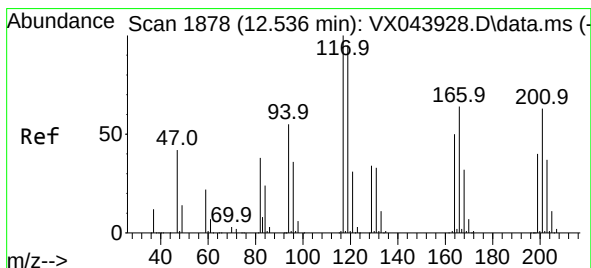
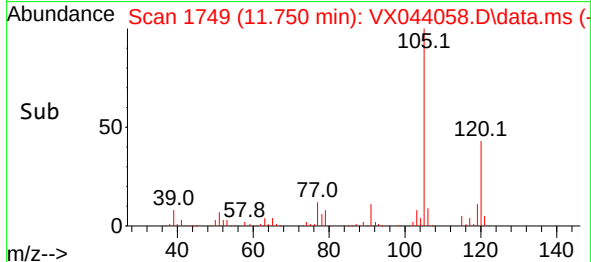
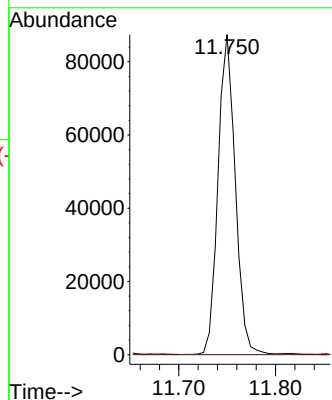
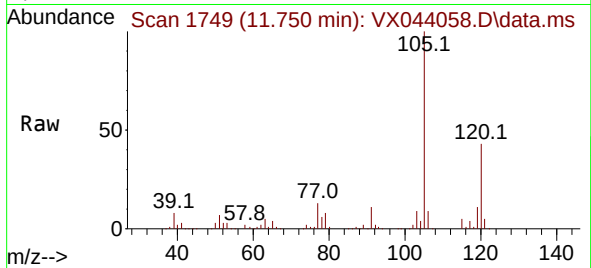




#85
sec-Butylbenzene
Concen: 14.340 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.140 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

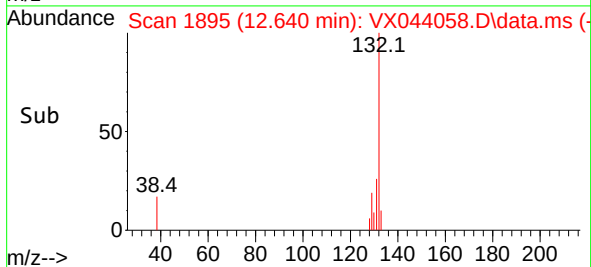
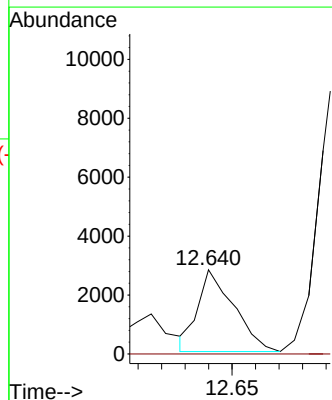
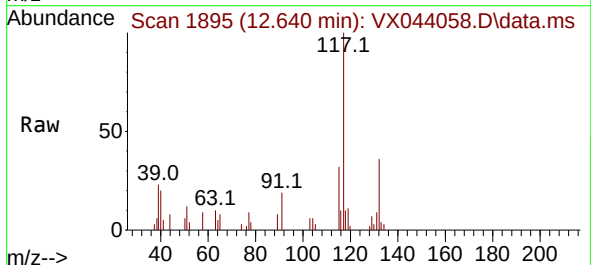
Instrument :
MSVOA_X
ClientSampleId :

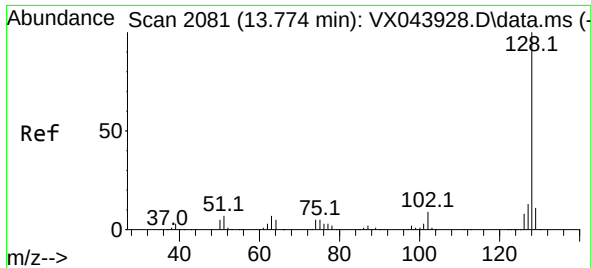
Tgt Ion:105 Resp: 107822
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#



#90
Hexachloroethane
Concen: 2.839 ug/l
RT: 12.640 min Scan# 1895
Delta R.T. 0.104 min
Lab File: VX044058.D
Acq: 02 Dec 2024 12:12

Tgt Ion:117 Resp: 2948
Ion Ratio Lower Upper
117 100
201 0.0 32.4 97.0#





#95

Naphthalene

Concen: 8.930 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

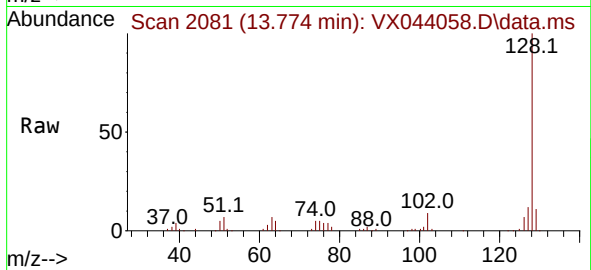
Lab File: VX044058.D

Acq: 02 Dec 2024 12:12

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 62538

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 10.8 8.6 12.8

