

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100422\
 Data File : VX031868.D
 Acq On : 04 Oct 2022 14:47
 Operator : JC/MD
 Sample : N4864-10 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-44DL

Quant Time: Oct 05 06:21:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

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

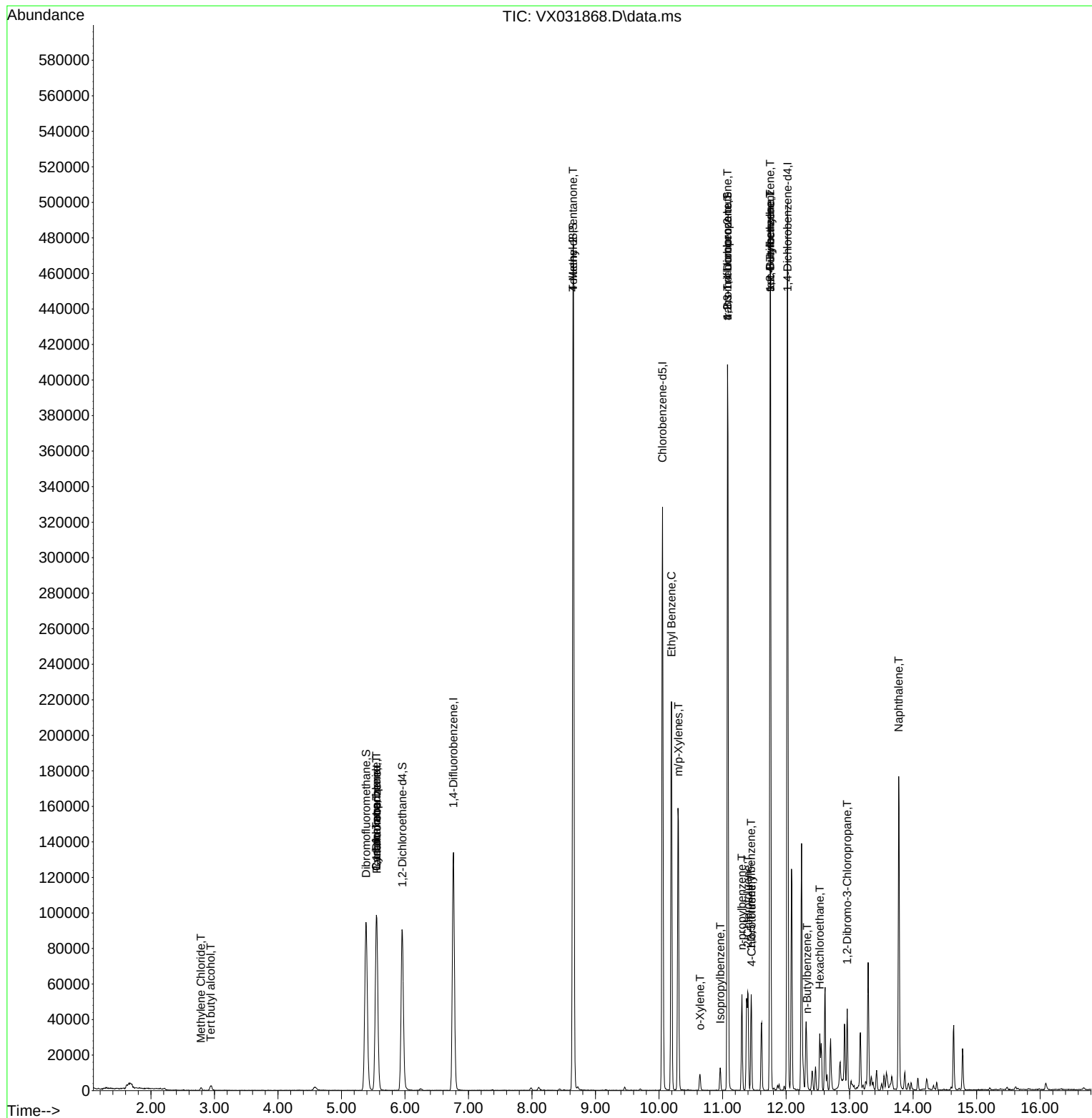
Internal Standards						
1) Pentafluorobenzene	5.556	168	102614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	150013	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85115	46.299	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.600%		
35) Dibromofluoromethane	5.385	113	82457	46.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.520%		
50) Toluene-d8	8.647	98	299739	47.011	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.020%		
62) 4-Bromofluorobenzene	11.079	95	105452	45.928	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.860%		
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	571	Below Cal	#	83
6) Chloroethane	1.697	64	57	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	1705	6.662 ug/l	#	73
16) Acetone	2.386	43	242	Below Cal	#	45
17) Carbon Disulfide	2.514	76	317	Below Cal	#	75
20) Methylene Chloride	2.788	84	700	0.435 ug/l	#	73
31) Cyclohexane	5.550	56	1746	0.797 ug/l	#	1
36) 1,1-Dichloropropene	5.550	75	6300	2.851 ug/l	#	51
38) Carbon Tetrachloride	5.550	117	9740	3.550 ug/l	#	18
51) 4-Methyl-2-Pentanone	8.647	43	1147	0.676 ug/l	#	1
67) Ethyl Benzene	10.195	91	126206	15.742 ug/l		93
68) m/p-Xylenes	10.305	106	40906	12.359 ug/l		95
69) o-Xylene	10.646	106	2048	0.642 ug/l		86
73) Isopropylbenzene	10.963	105	7131	0.876 ug/l		96
76) 1,2,3-Trichloropropane	11.079	75	50152	23.923 ug/l	#	37
78) n-propylbenzene	11.305	91	32706	3.677 ug/l		96
79) 2-Chlorotoluene	11.396	91	6667	1.240 ug/l	#	40
80) 1,3,5-Trimethylbenzene	11.451	105	23247	3.420 ug/l		93
81) trans-1,4-Dichloro-2-b...	11.079	75	50152	82.123 ug/l	#	11
82) 4-Chlorotoluene	11.457	91	2736	0.441 ug/l	#	44
83) tert-Butylbenzene	11.750	119	27988	4.074 ug/l	#	62
84) 1,2,4-Trimethylbenzene	11.750	105	223160	32.991 ug/l		96
85) sec-Butylbenzene	11.750	105	223160	26.985 ug/l	#	56
89) n-Butylbenzene	12.329	91	5448	0.956 ug/l	#	17
90) Hexachloroethane	12.530	117	1426	1.095 ug/l	#	15
92) 1,2-Dibromo-3-Chloropr...	12.963	75	188	0.386 ug/l	#	3
95) Naphthalene	13.774	128	117503	15.194 ug/l		100

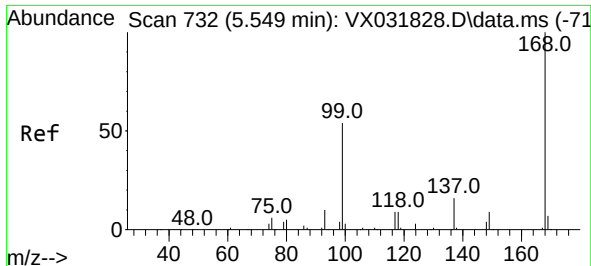
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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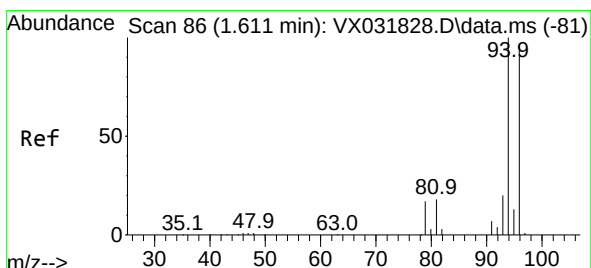
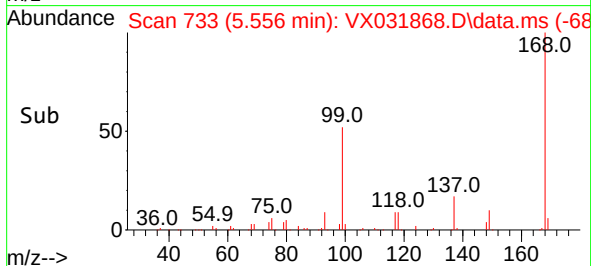
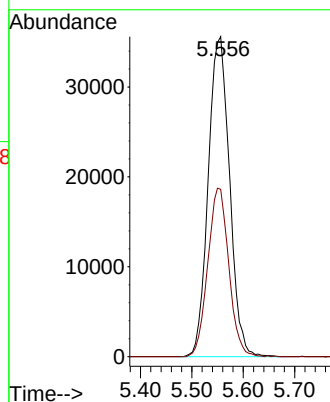
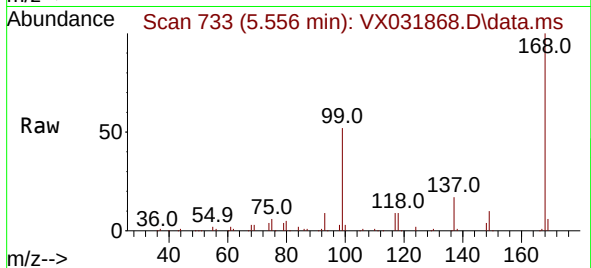




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

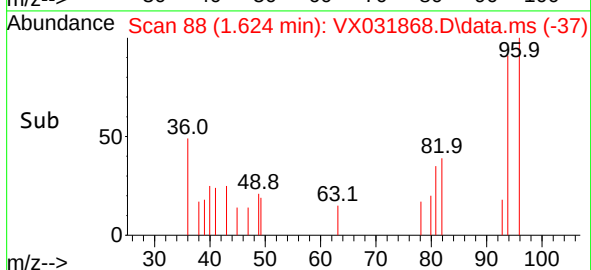
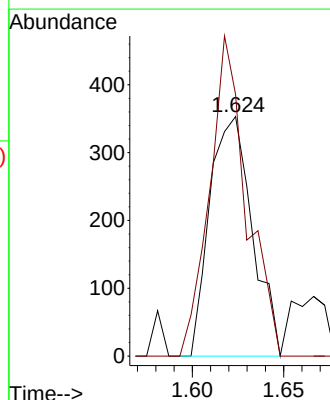
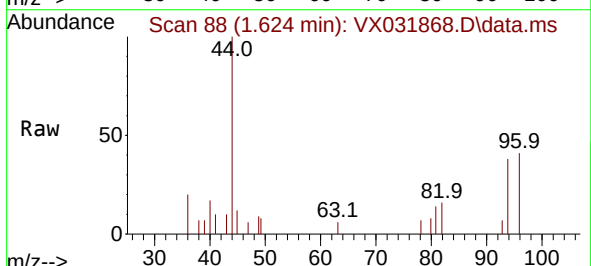
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

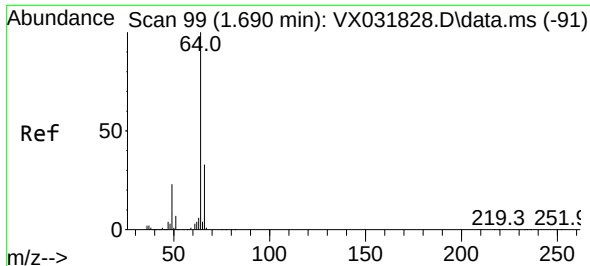
Tgt Ion:168 Resp: 102614
Ion Ratio Lower Upper
168 100
99 52.3 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.013 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 94 Resp: 571
Ion Ratio Lower Upper
94 100
96 109.3 74.4 111.6

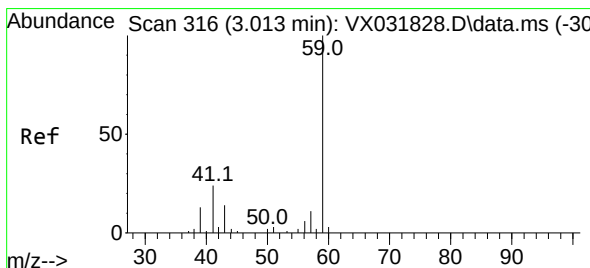
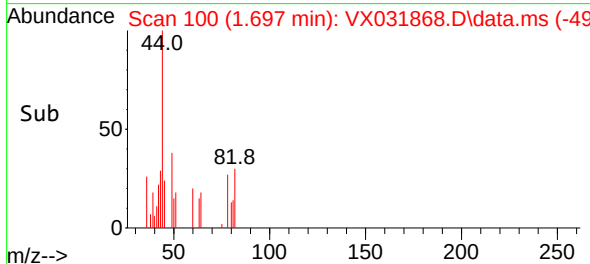
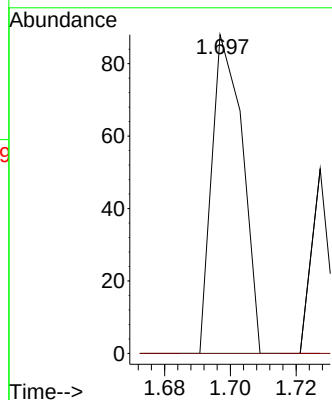
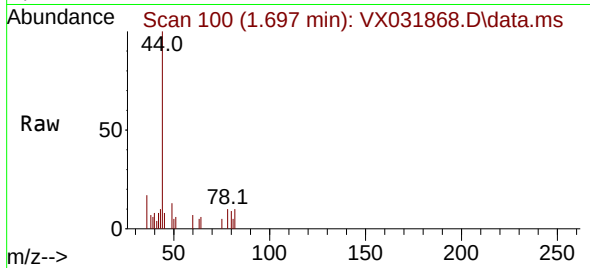




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

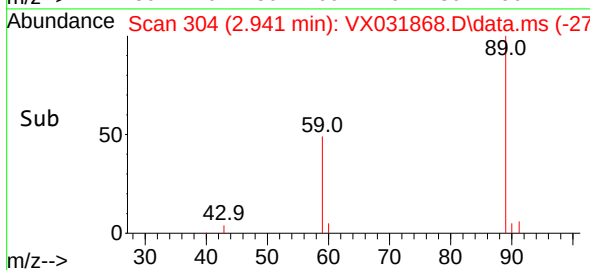
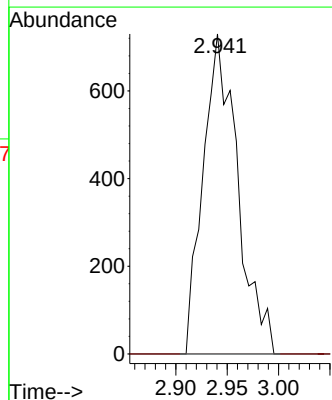
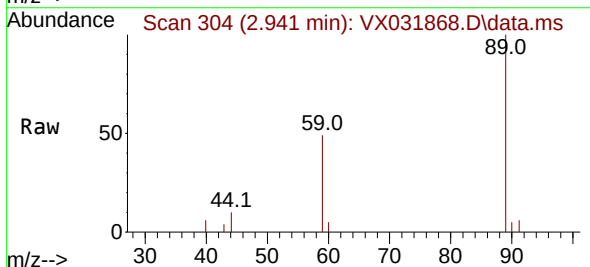
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

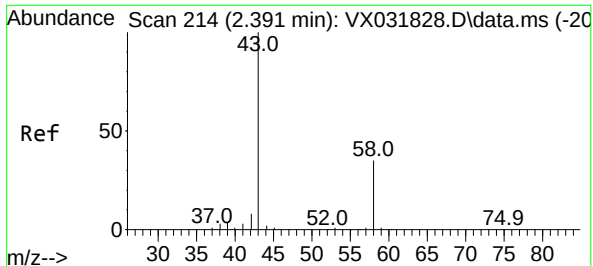
Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: 6.662 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.140 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 59 Resp: 1705
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

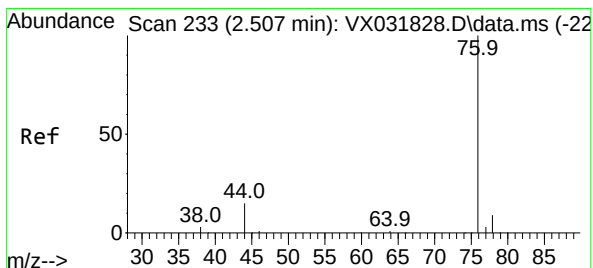
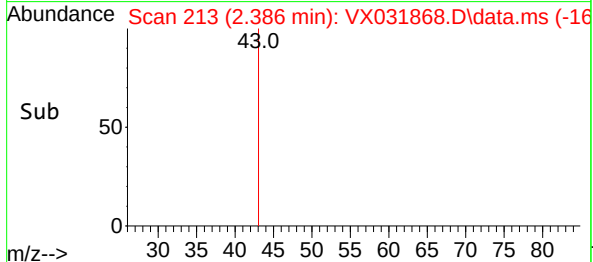
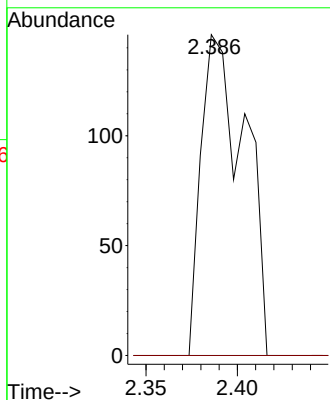
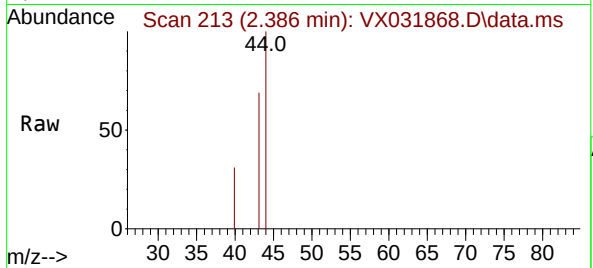




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

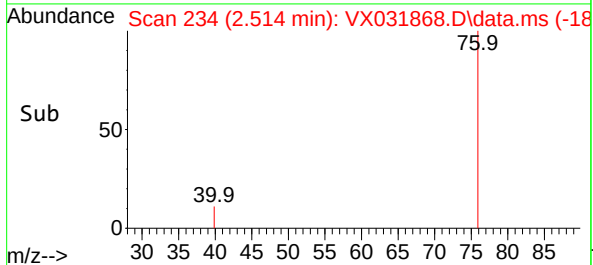
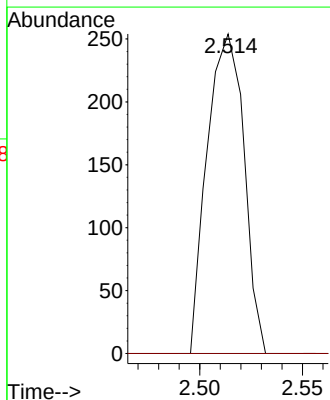
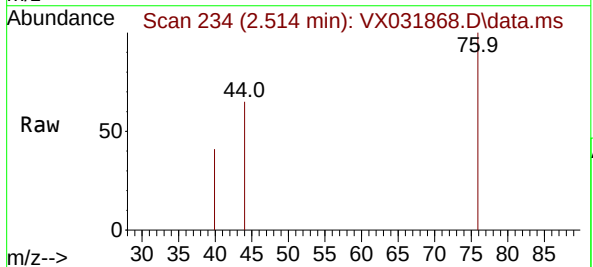
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

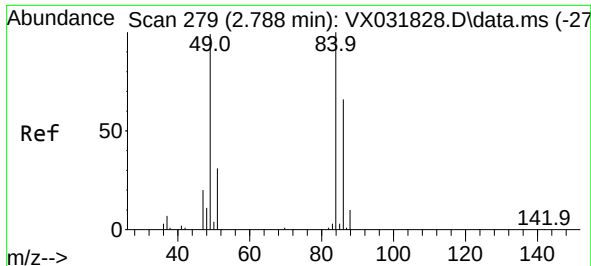
Tgt Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 76 Resp: 317
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

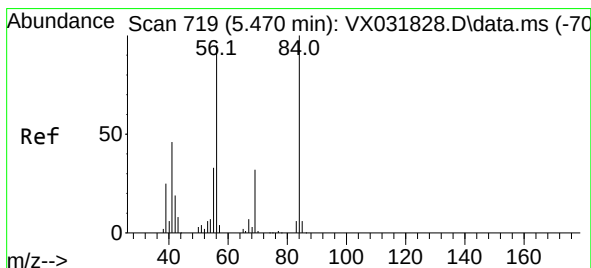
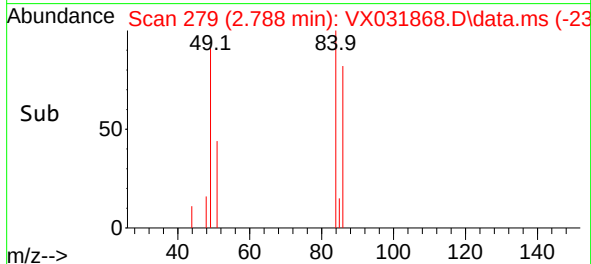
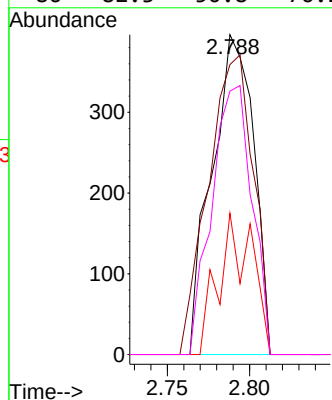
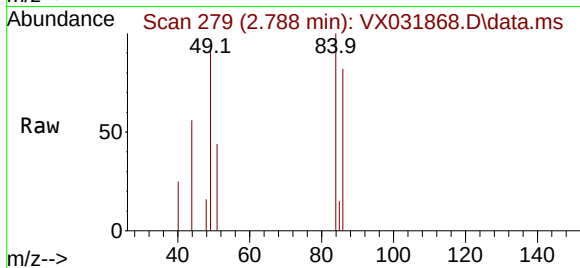




#20
Methylene Chloride
Concen: 0.435 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

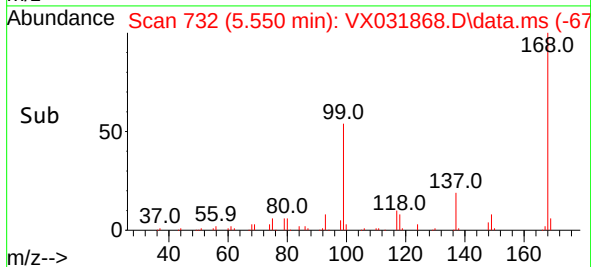
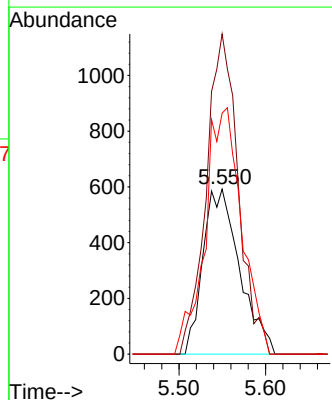
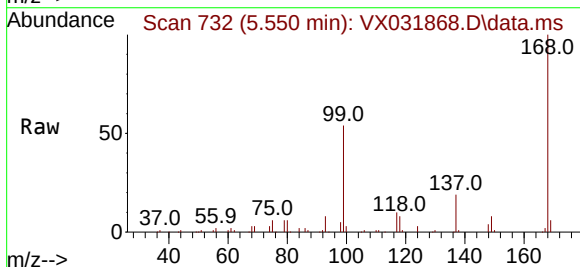
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

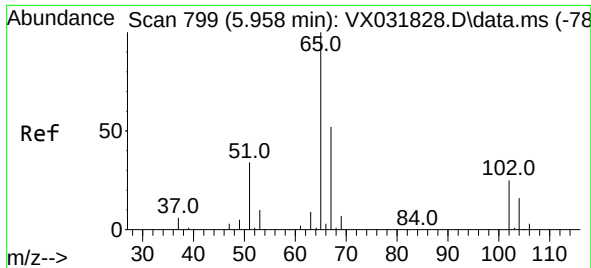
Tgt Ion:	84	Resp:	700
Ion	Ratio	Lower	Upper
84	100		
49	90.7	105.9	158.9#
51	44.2	32.2	48.2
86	82.3	50.8	76.2#



#31
Cyclohexane
Concen: 0.797 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion:	56	Resp:	1746
Ion	Ratio	Lower	Upper
56	100		
69	194.1	25.1	37.7#
84	146.1	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 46.299 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX031868.D

Acq: 04 Oct 2022 14:47

Instrument :

MSVOA_X

ClientSampleId :

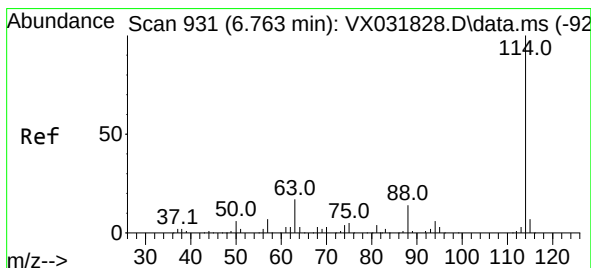
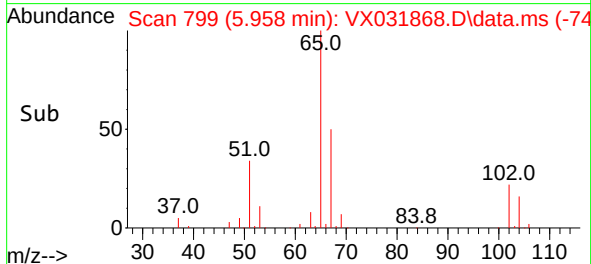
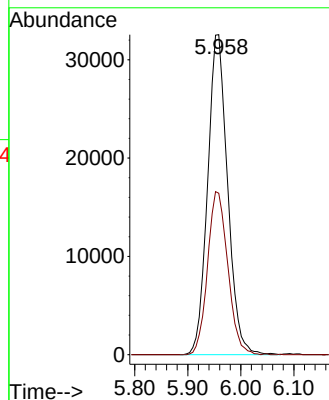
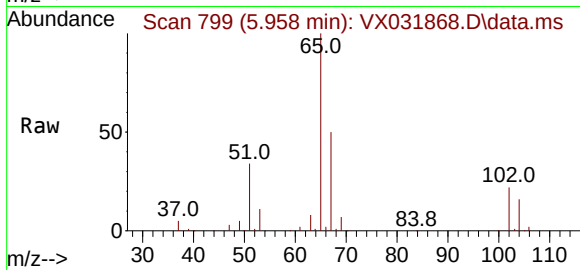
MW-44DL

Tgt Ion: 65 Resp: 85115

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031868.D

Acq: 04 Oct 2022 14:47

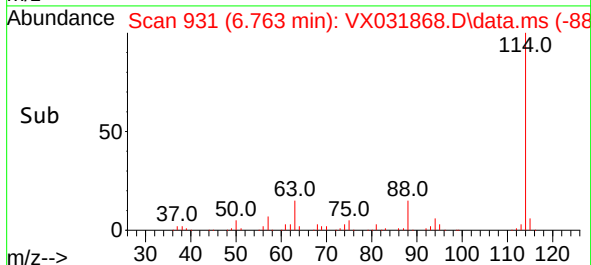
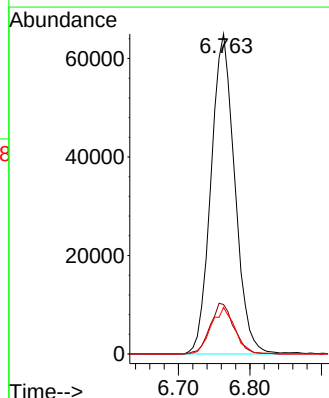
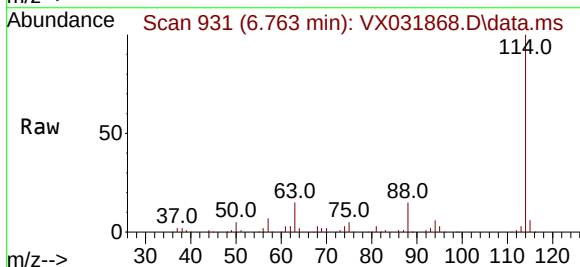
Tgt Ion: 114 Resp: 150013

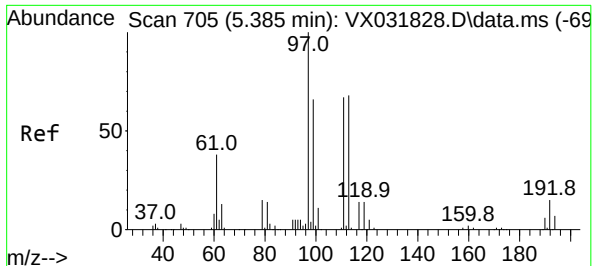
Ion Ratio Lower Upper

114 100

63 15.5 0.0 42.6

88 14.6 0.0 33.0

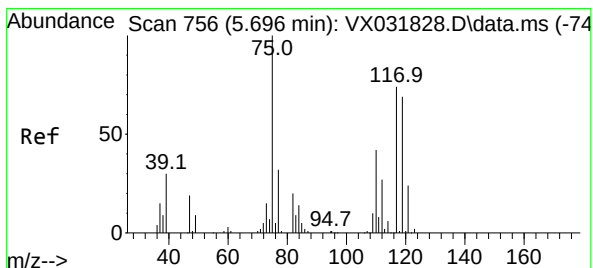
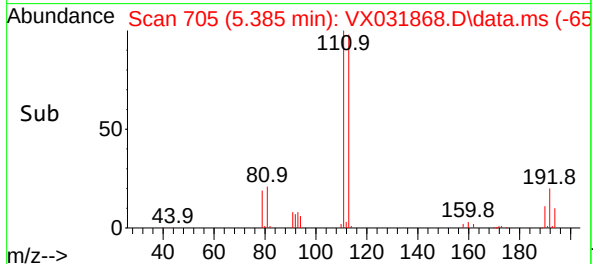
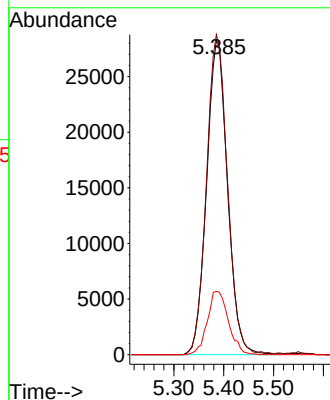
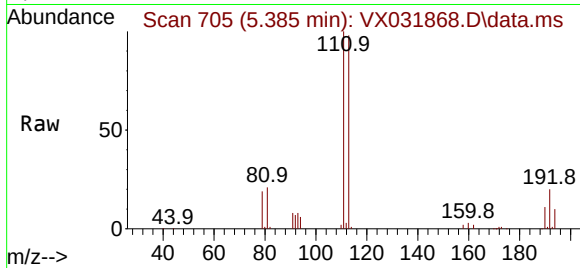




#35
Dibromofluoromethane
Concen: 46.264 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

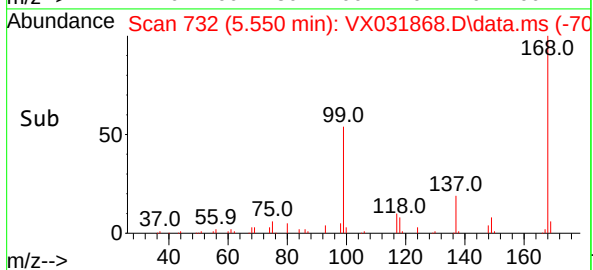
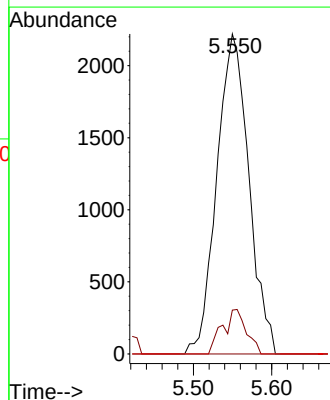
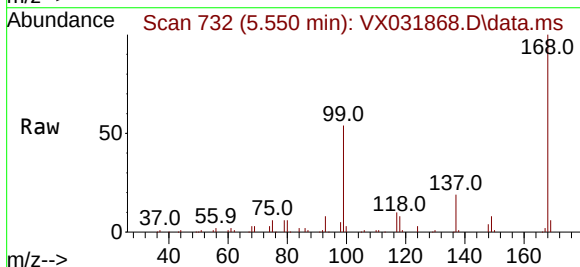
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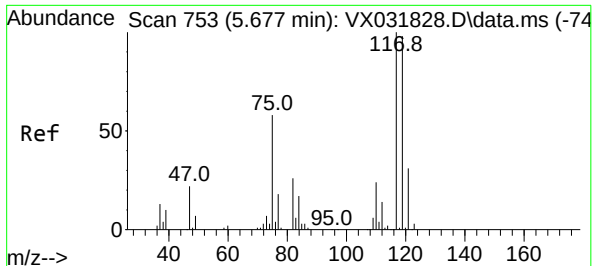
Tgt Ion:113 Resp: 82457
Ion Ratio Lower Upper
113 100
111 101.7 82.4 123.6
192 20.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 2.851 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 75 Resp: 6300
Ion Ratio Lower Upper
75 100
110 10.3 17.5 52.5#
77 0.0 24.9 37.3#

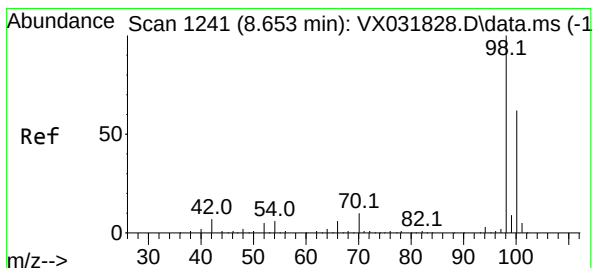
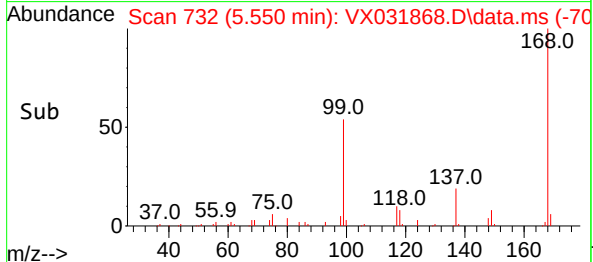
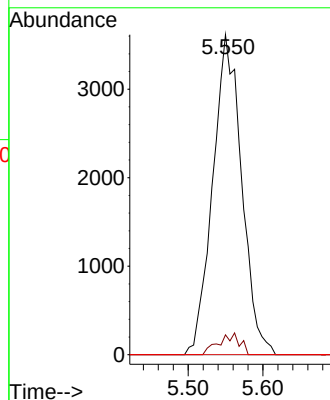
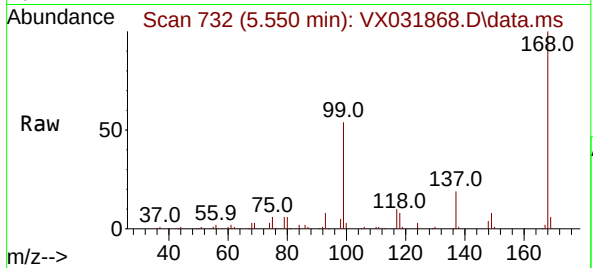




#38
Carbon Tetrachloride
Concen: 3.550 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

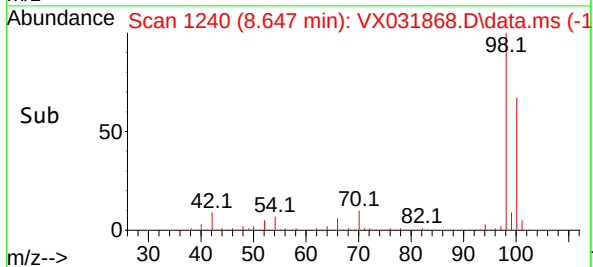
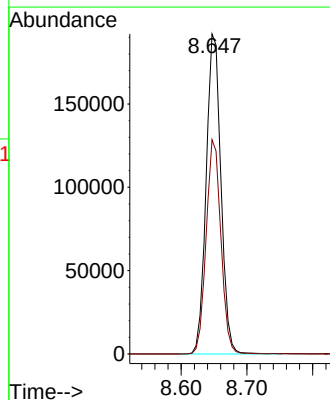
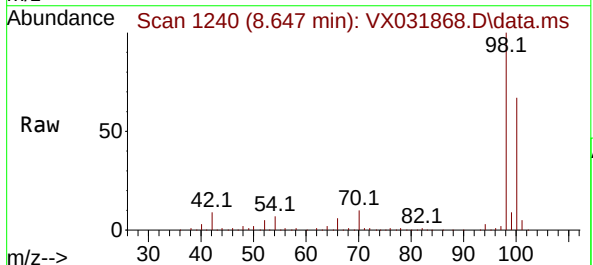
Instrument :
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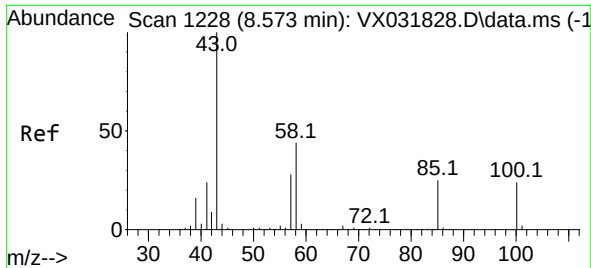
Tgt Ion:117 Resp: 9740
Ion Ratio Lower Upper
117 100
119 6.2 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 47.011 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 98 Resp: 299739
Ion Ratio Lower Upper
98 100
100 66.9 52.5 78.7

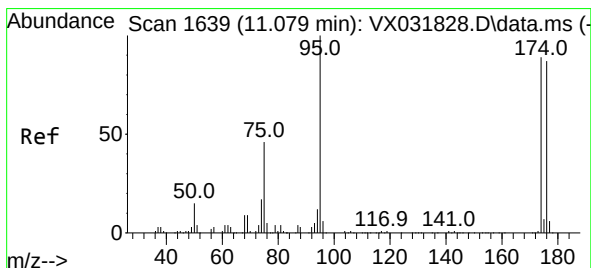
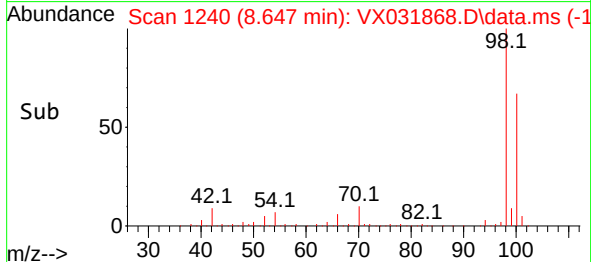
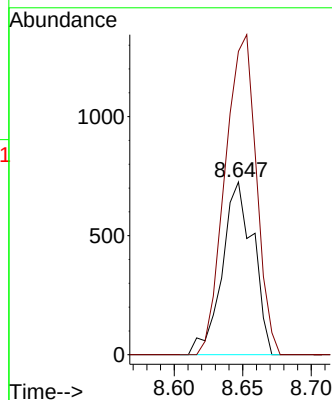
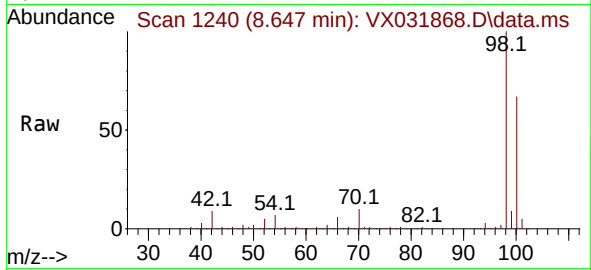




#51
4-Methyl-2-Pentanone
Concen: 0.676 ug/l
RT: 8.647 min Scan# 1147
Delta R.T. 0.067 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

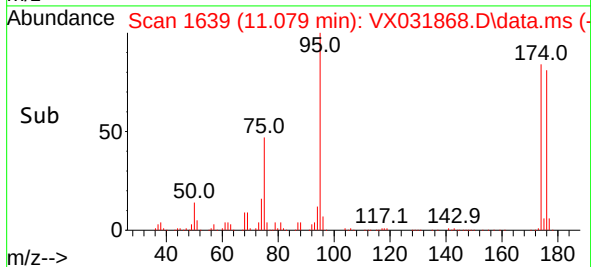
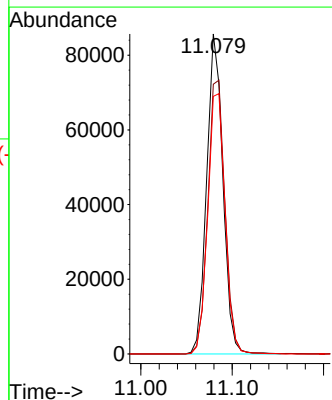
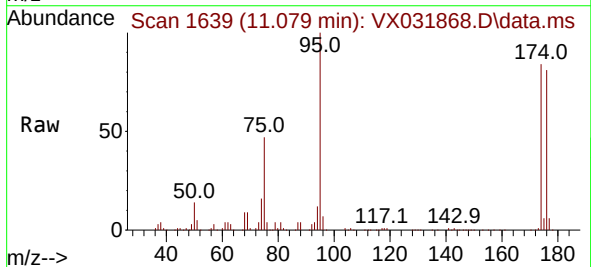
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

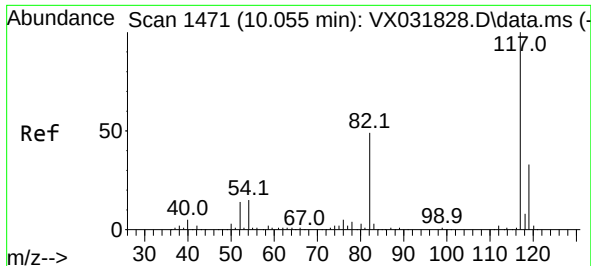
Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
58 185.9 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 45.928 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 95 Resp: 105452
Ion Ratio Lower Upper
95 100
174 91.0 0.0 153.2
176 87.3 0.0 144.0

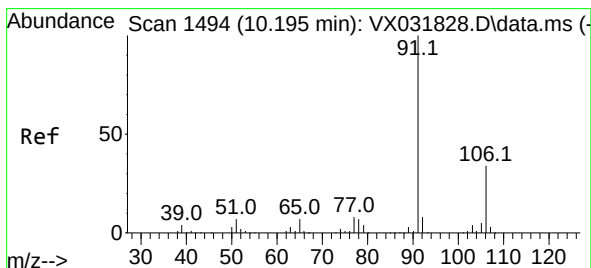
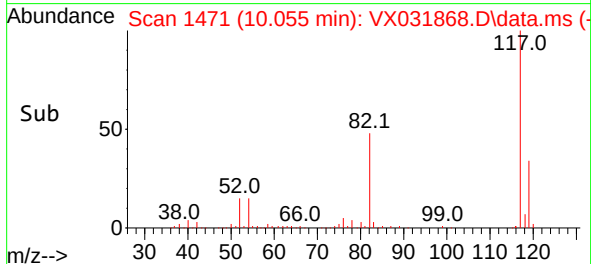
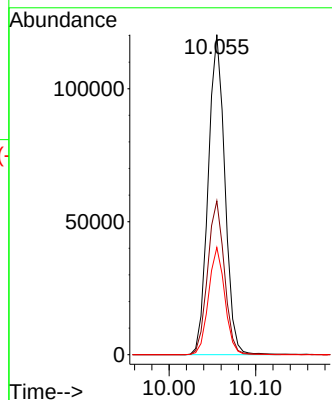
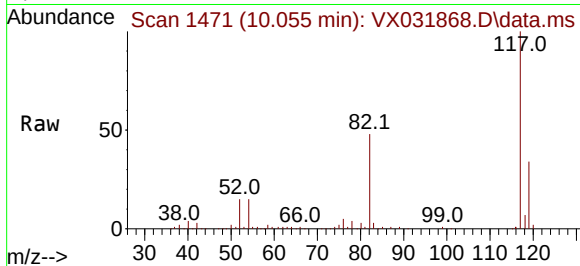




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

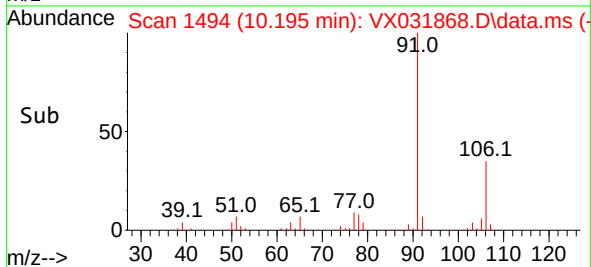
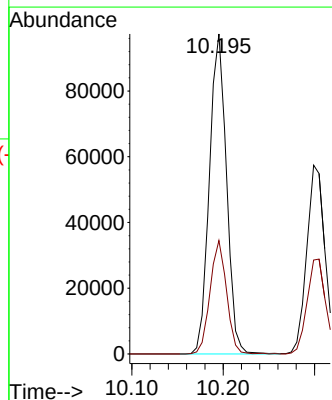
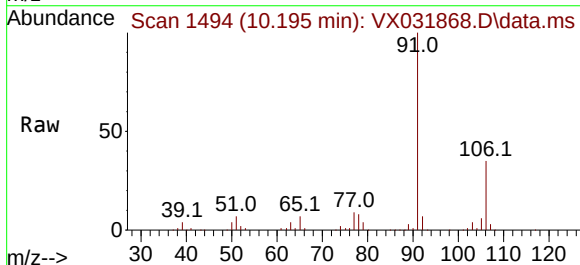
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

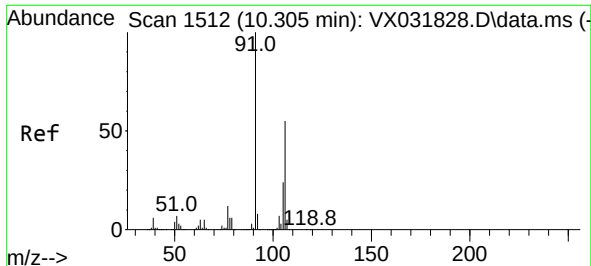
Tgt Ion:117 Resp: 160631
Ion Ratio Lower Upper
117 100
82 48.1 46.8 70.2
119 33.5 26.4 39.6



#67
Ethyl Benzene
Concen: 15.742 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 91 Resp: 126206
Ion Ratio Lower Upper
91 100
106 35.5 25.2 37.8

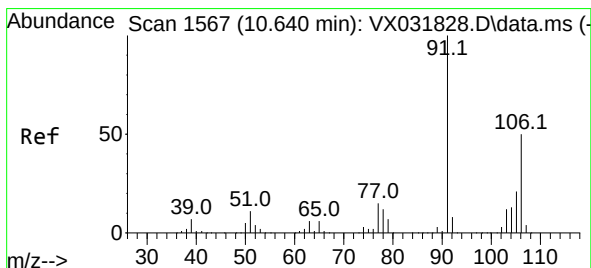
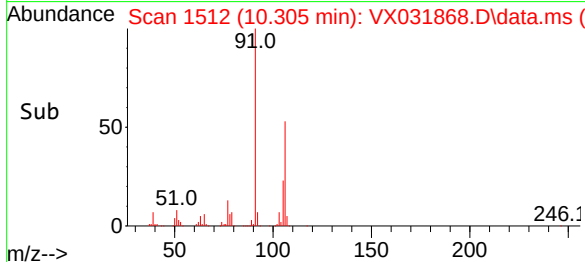
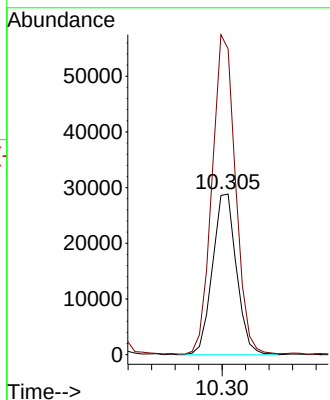
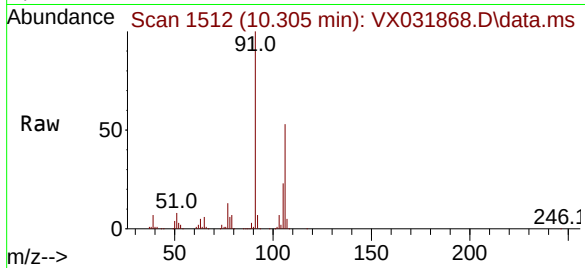




#68
m/p-Xylenes
Concen: 12.359 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

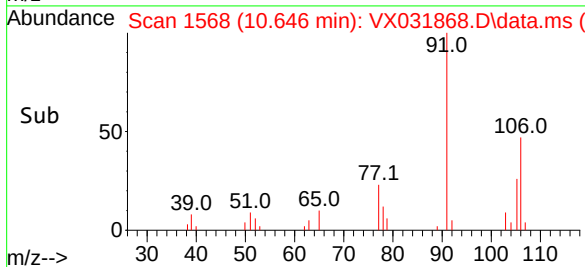
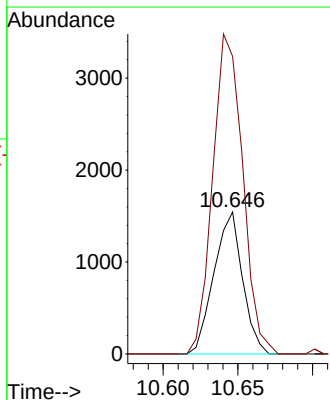
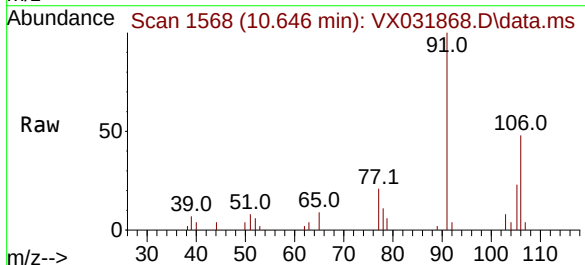
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

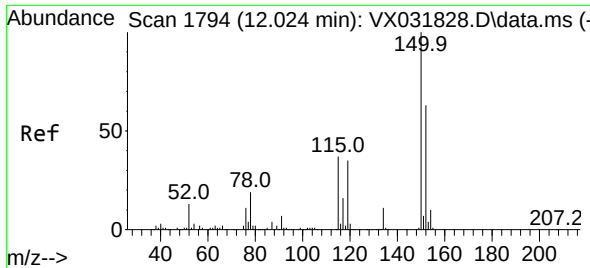
Tgt Ion:106 Resp: 40906
Ion Ratio Lower Upper
106 100
91 193.9 161.0 241.4



#69
o-Xylene
Concen: 0.642 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion:106 Resp: 2048
Ion Ratio Lower Upper
106 100
91 237.0 107.2 321.6

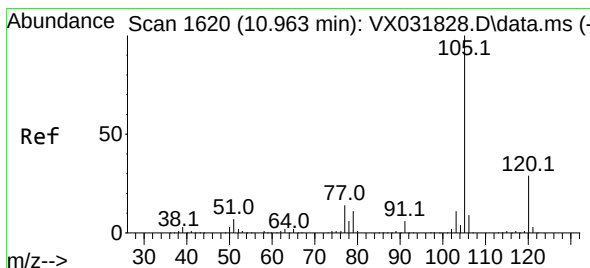
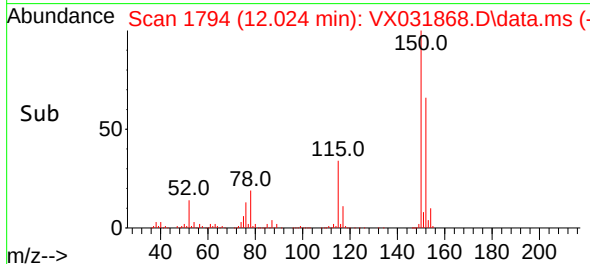
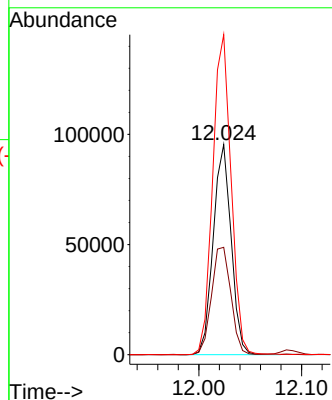
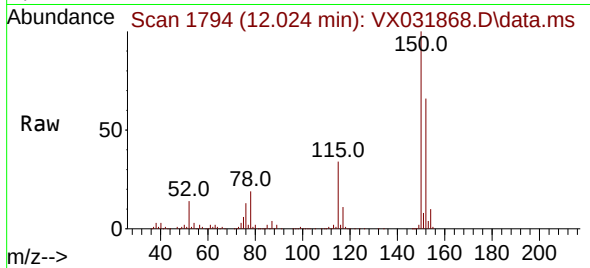




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

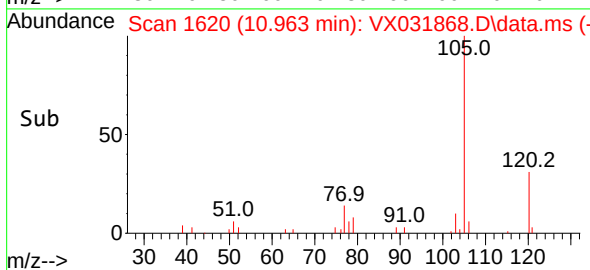
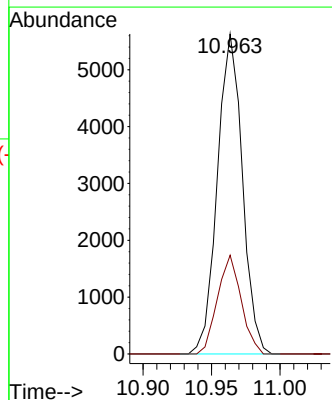
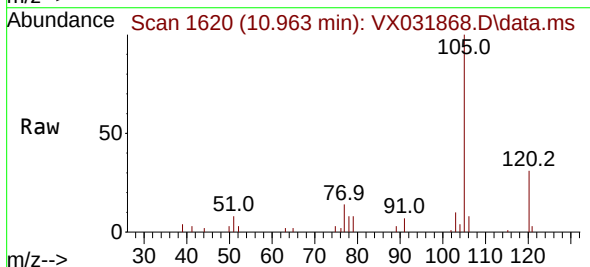
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

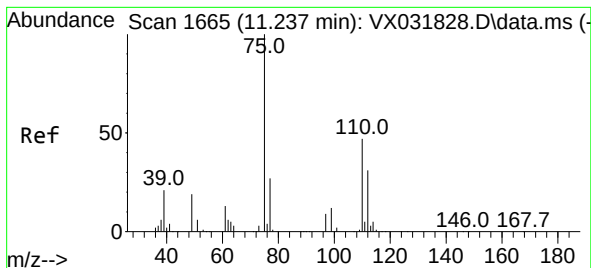
Tgt Ion:152 Resp: 115226
Ion Ratio Lower Upper
152 100
115 55.3 43.4 130.1
150 156.8 0.0 346.8



#73
Isopropylbenzene
Concen: 0.876 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion:105 Resp: 7131
Ion Ratio Lower Upper
105 100
120 29.2 13.7 41.0





#76

1,2,3-Trichloropropane

Concen: 23.923 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX031868.D

Acq: 04 Oct 2022 14:47

Instrument :

MSVOA_X

ClientSampleId :

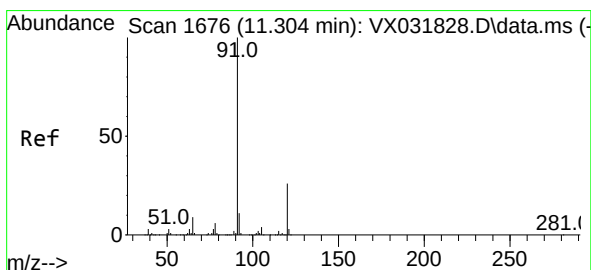
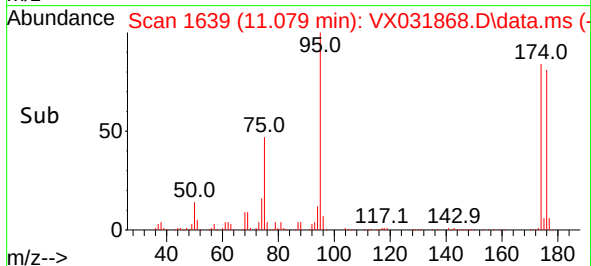
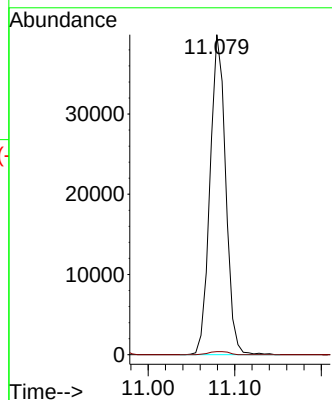
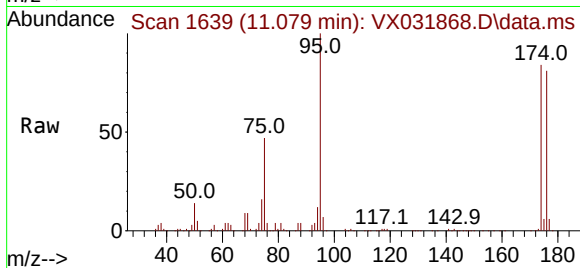
MW-44DL

Tgt Ion: 75 Resp: 50152

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#78

n-propylbenzene

Concen: 3.677 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX031868.D

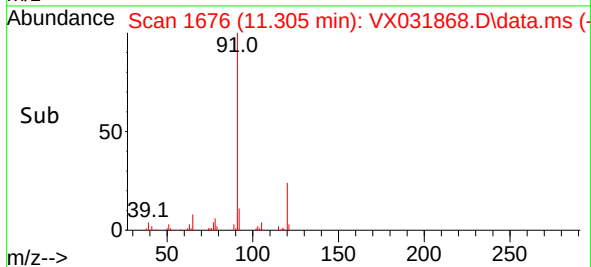
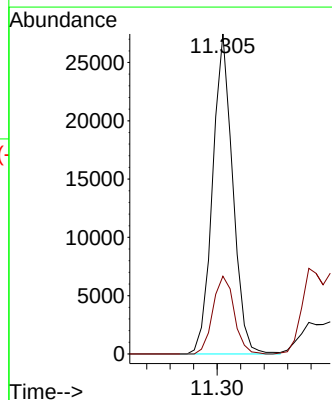
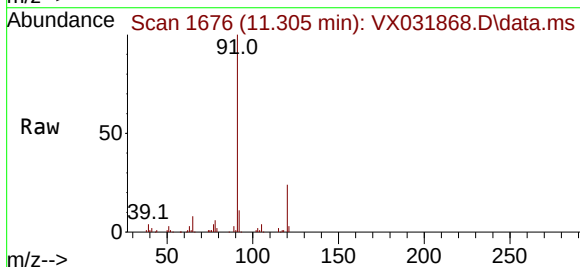
Acq: 04 Oct 2022 14:47

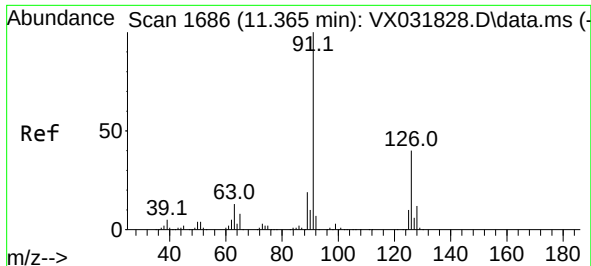
Tgt Ion: 91 Resp: 32706

Ion Ratio Lower Upper

91 100

120 25.5 11.8 35.4





#79

2-Chlorotoluene

Concen: 1.240 ug/l

RT: 11.396 min Scan# 1

Delta R.T. 0.030 min

Lab File: VX031868.D

Acq: 04 Oct 2022 14:47

Instrument :

MSVOA_X

ClientSampleId :

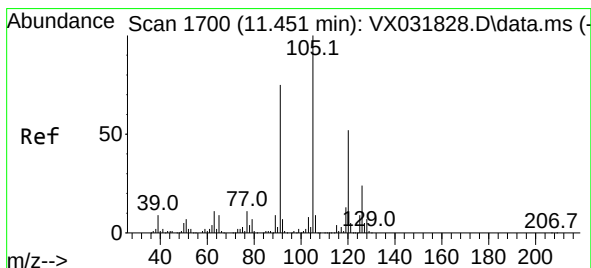
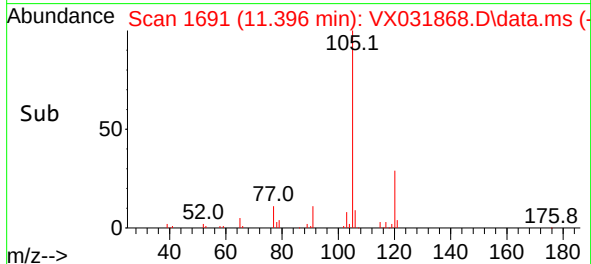
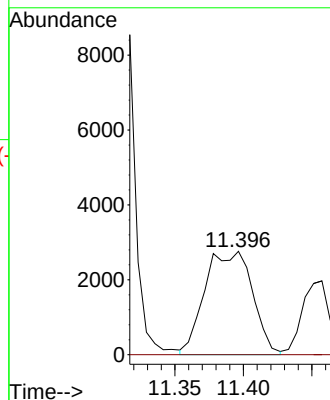
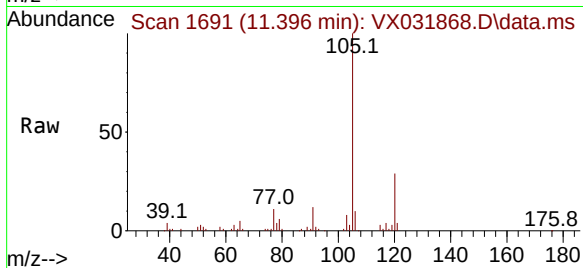
MW-44DL

Tgt Ion: 91 Resp: 6667

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



#80

1,3,5-Trimethylbenzene

Concen: 3.420 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX031868.D

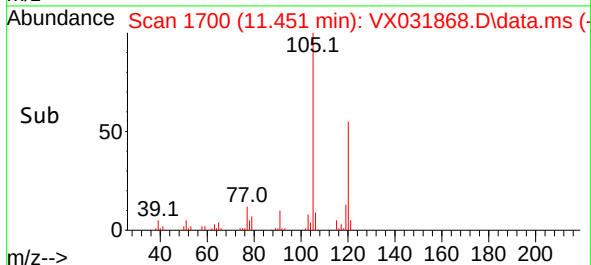
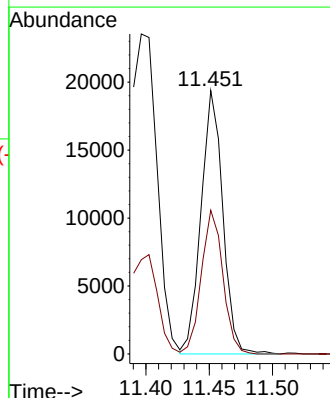
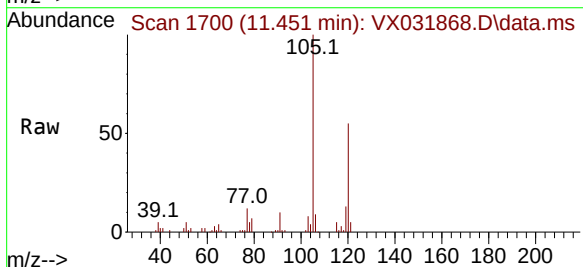
Acq: 04 Oct 2022 14:47

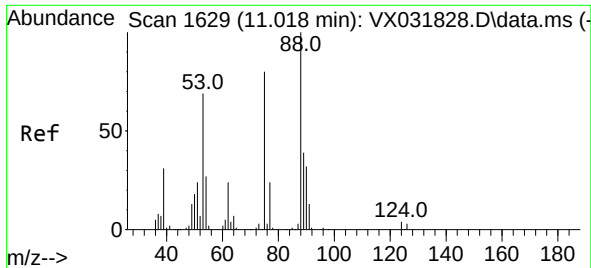
Tgt Ion: 105 Resp: 23247

Ion Ratio Lower Upper

105 100

120 54.1 24.5 73.5

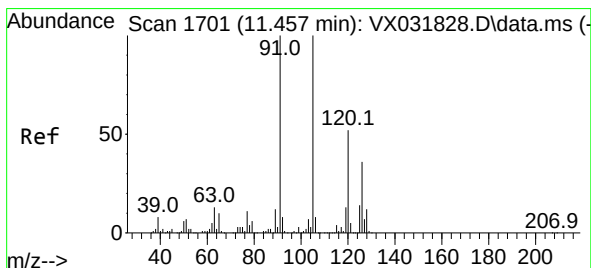
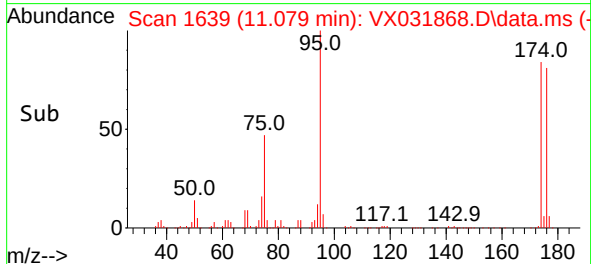
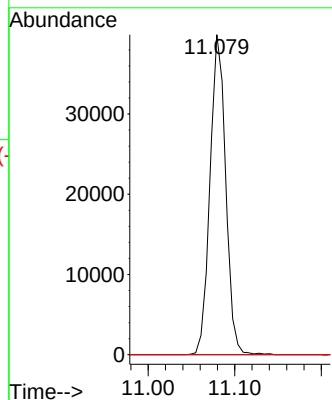
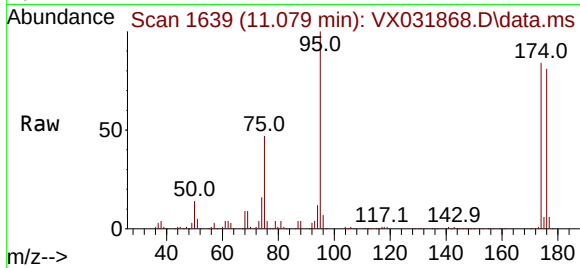




#81
trans-1,4-Dichloro-2-butene
Concen: 82.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

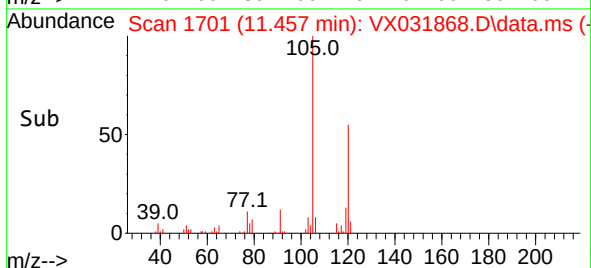
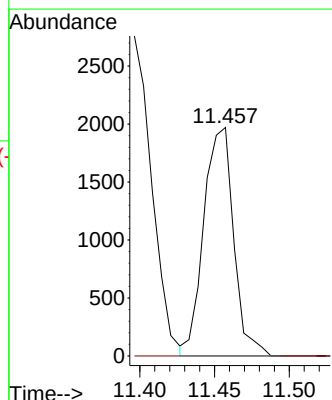
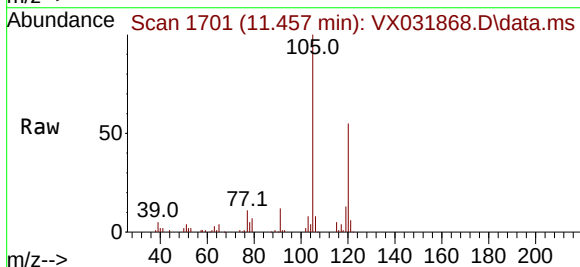
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

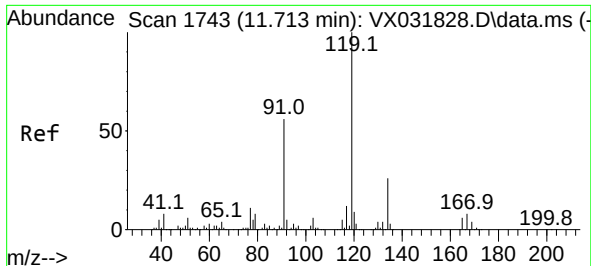
Tgt Ion: 75 Resp: 50152
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#82
4-Chlorotoluene
Concen: 0.441 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 91 Resp: 2736
Ion Ratio Lower Upper
91 100
126 0.0 15.1 45.3#

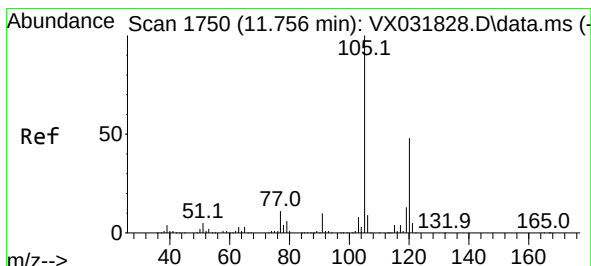
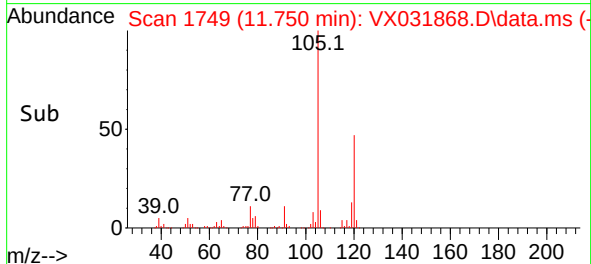
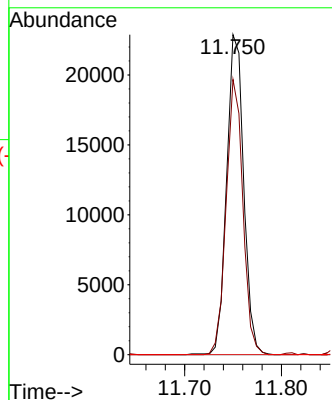
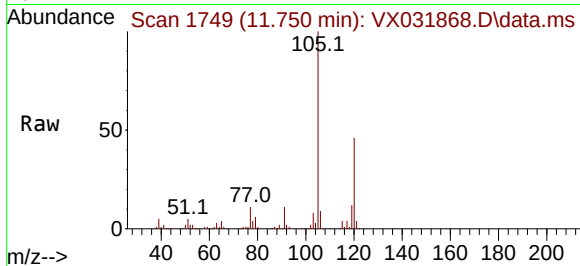




#83
 tert-Butylbenzene
 Concen: 4.074 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.037 min
 Lab File: VX031868.D
 Acq: 04 Oct 2022 14:47

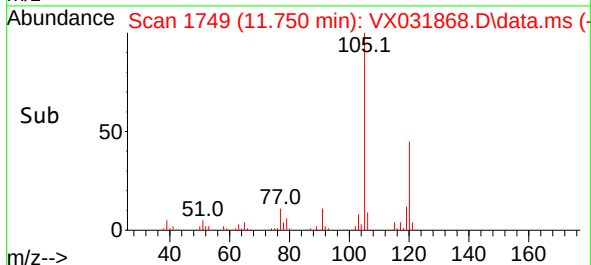
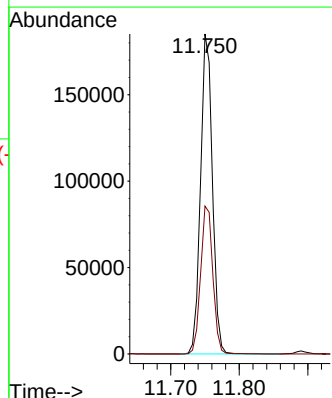
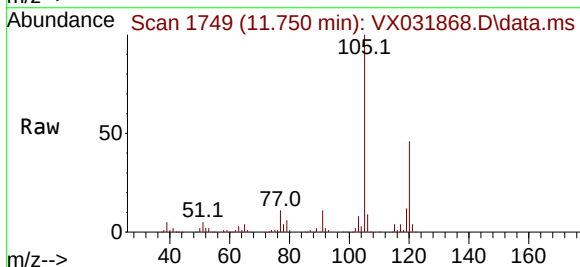
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-44DL

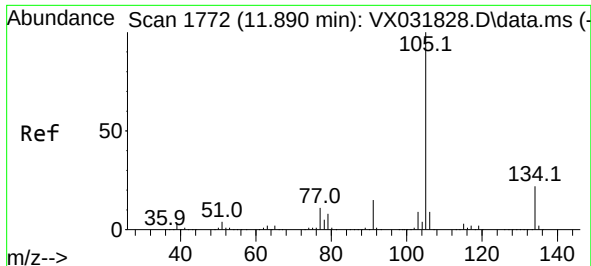
Tgt Ion:119 Resp: 27988
 Ion Ratio Lower Upper
 119 100
 91 84.2 29.2 87.6
 134 0.0 11.6 34.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 32.991 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX031868.D
 Acq: 04 Oct 2022 14:47

Tgt Ion:105 Resp: 223160
 Ion Ratio Lower Upper
 105 100
 120 47.6 22.6 67.8

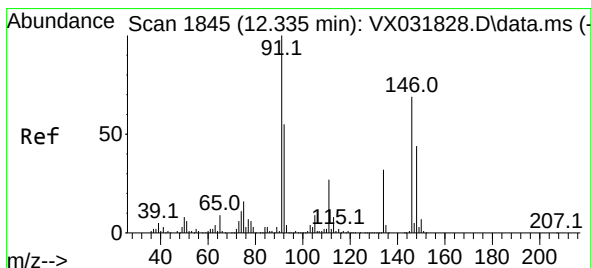
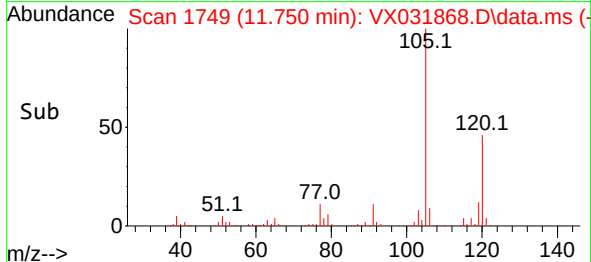
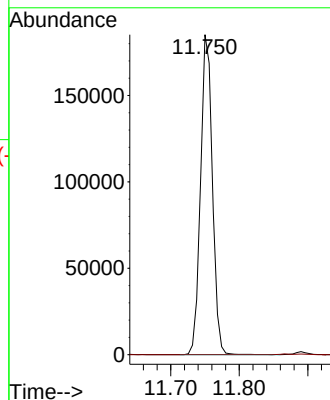
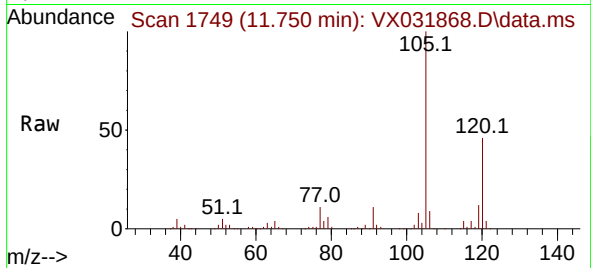




#85
 sec-Butylbenzene
 Concen: 26.985 ug/l
 RT: 11.750 min Scan# 1772
 Delta R.T. -0.140 min
 Lab File: VX031868.D
 Acq: 04 Oct 2022 14:47

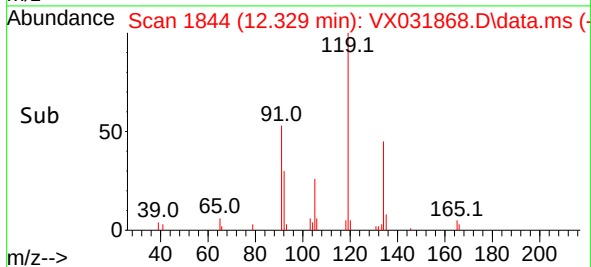
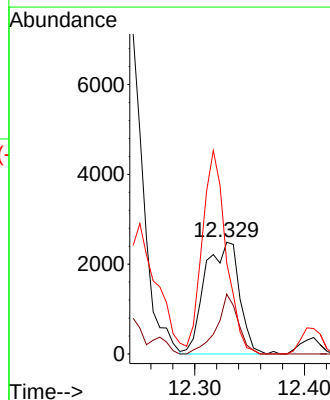
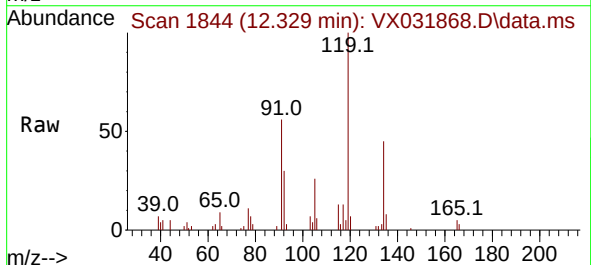
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-44DL

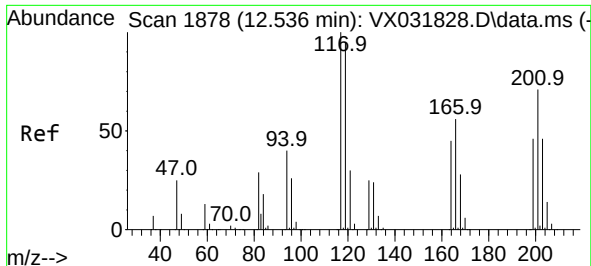
Tgt Ion:105 Resp: 223160
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#89
 n-Butylbenzene
 Concen: 0.956 ug/l
 RT: 12.329 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: VX031868.D
 Acq: 04 Oct 2022 14:47

Tgt Ion: 91 Resp: 5448
 Ion Ratio Lower Upper
 91 100
 92 33.4 27.0 81.0
 134 125.4 13.3 39.9#

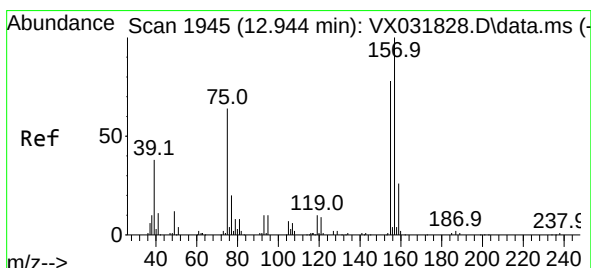
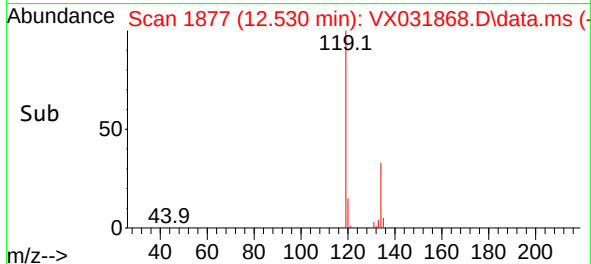
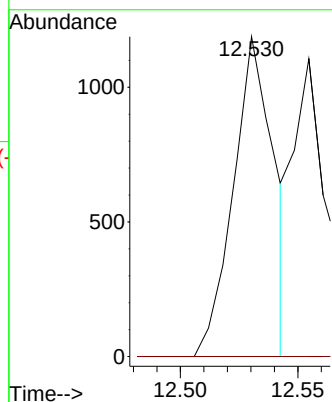
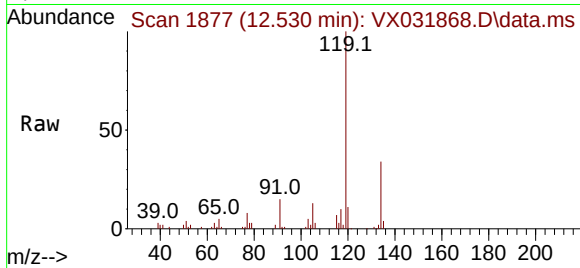




#90
Hexachloroethane
Concen: 1.095 ug/l
RT: 12.530 min Scan# 117
Delta R.T. -0.012 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

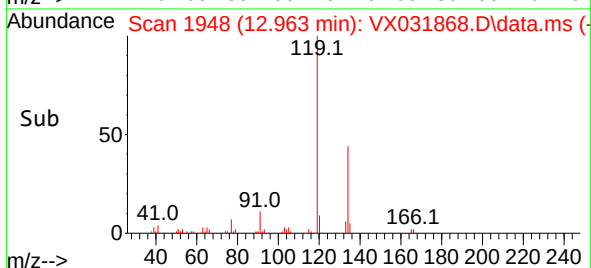
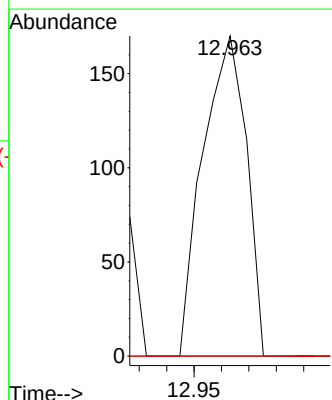
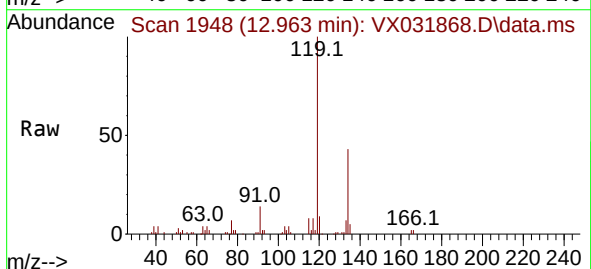
Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

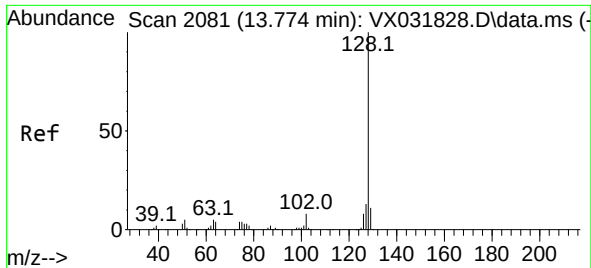
Tgt Ion:117 Resp: 1426
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.386 ug/l
RT: 12.963 min Scan# 1948
Delta R.T. 0.018 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Tgt Ion: 75 Resp: 188
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.5 154.5#





#95
Naphthalene
Concen: 15.194 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX031868.D
Acq: 04 Oct 2022 14:47

Instrument :
MSVOA_X
ClientSampleId :
MW-44DL

Tgt Ion:128 Resp: 117503
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.8 13.2

