

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112222\
 Data File : VX032997.D
 Acq On : 22 Nov 2022 22:36
 Operator : JC/MD
 Sample : N5741-09DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27DL

Quant Time: Nov 23 05:51:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

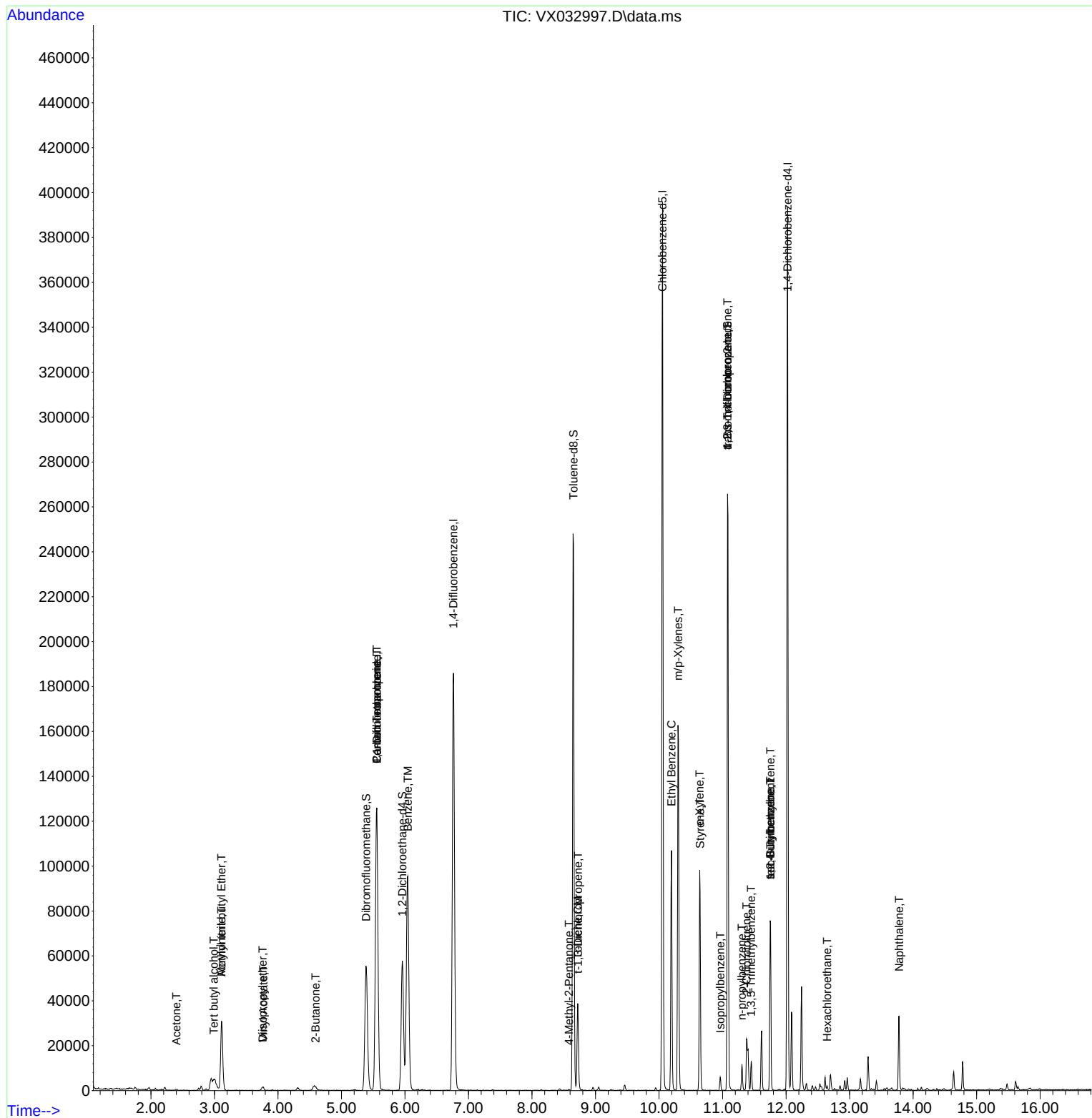
Internal Standards						
1) Pentafluorobenzene	5.556	168	119879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59206	50.579	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.160%			
35) Dibromofluoromethane	5.385	113	48403	44.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.600%			
50) Toluene-d8	8.653	98	147999	44.798	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.600%#			
62) 4-Bromofluorobenzene	11.079	95	68177	47.505	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.000%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.989	59	13261	71.657	ug/l #	94
15) Acrylonitrile	3.111	53	353	0.674	ug/l #	1
16) Acetone	2.398	43	716	1.313	ug/l #	45
19) Methyl tert-butyl Ether	3.111	73	33199	9.150	ug/l	99
20) Methylene Chloride	2.788	84	897	Below Cal	#	83
22) Diisopropyl ether	3.757	45	1469	0.399	ug/l #	85
23) Vinyl Acetate	3.770	43	841	0.292	ug/l #	72
25) 2-Butanone	4.593	43	162	0.215	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	9382	5.371	ug/l #	49
38) Carbon Tetrachloride	5.556	117	12797	6.603	ug/l #	15
40) Benzene	6.044	78	116935	23.874	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	332	0.213	ug/l #	75
52) Toluene	8.720	92	14765	4.582	ug/l	99
53) t-1,3-Dichloropropene	8.726	75	120	1.576	ug/l #	1
67) Ethyl Benzene	10.195	91	59542	9.851	ug/l	99
68) m/p-Xylenes	10.299	106	38455	16.247	ug/l	99
69) o-Xylene	10.640	106	21058	9.195	ug/l	100
70) Styrene	10.646	104	1130	0.302	ug/l #	1
73) Isopropylbenzene	10.963	105	3129	0.546	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	37459	24.648	ug/l #	37
78) n-propylbenzene	11.305	91	7342	1.120	ug/l	97
79) 2-Chlorotoluene	11.378	91	2505	0.629	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	5986	1.243	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	37459	80.116	ug/l #	6
83) tert-Butylbenzene	11.756	119	4120	0.859	ug/l #	49
84) 1,2,4-Trimethylbenzene	11.756	105	34986	7.283	ug/l	99
85) sec-Butylbenzene	11.756	105	34986	6.098	ug/l #	57
90) Hexachloroethane	12.646	117	678	0.849	ug/l #	12
95) Naphthalene	13.780	128	21567	4.203	ug/l	97

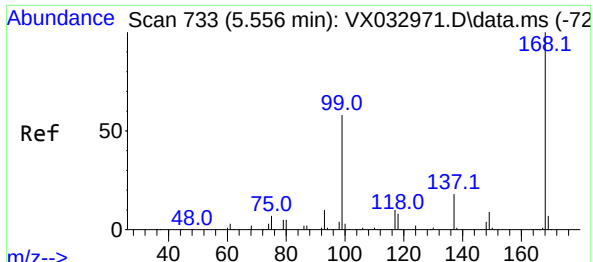
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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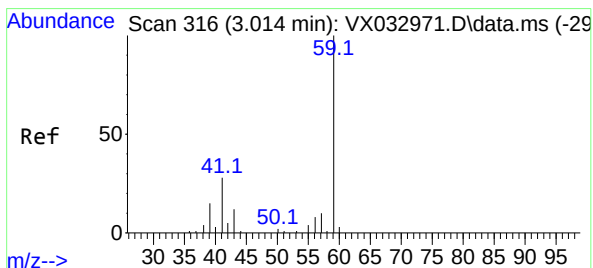
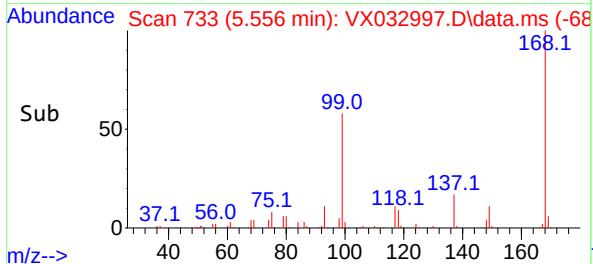
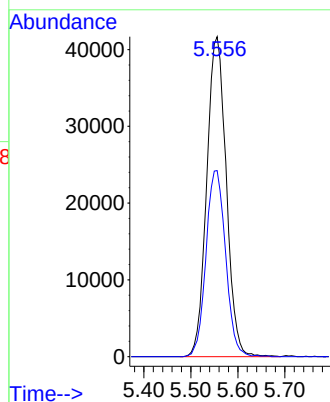
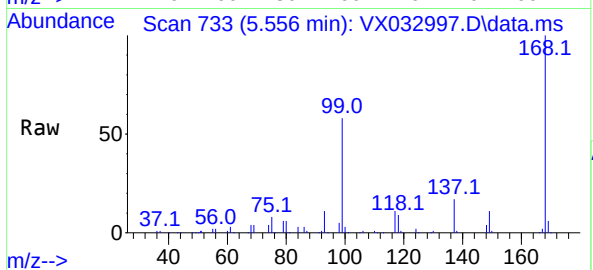




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

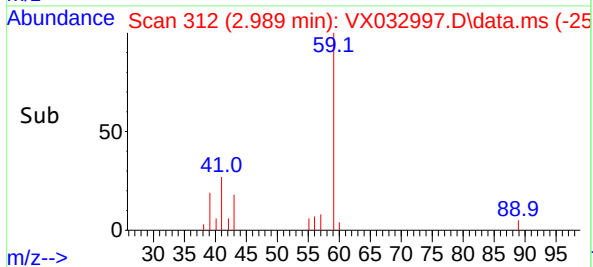
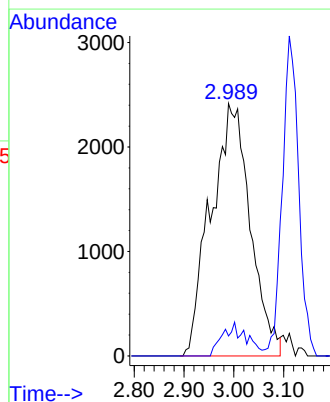
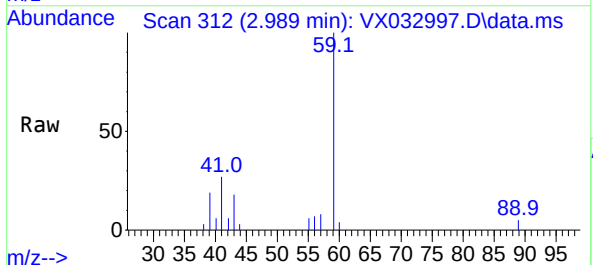
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

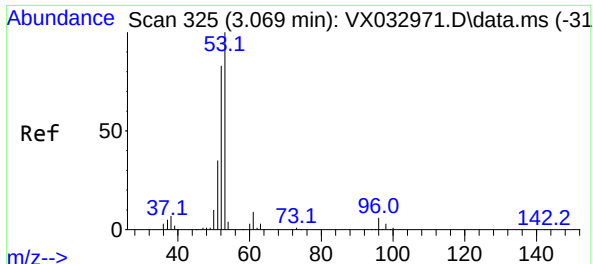
Tgt Ion:168 Resp: 119879
Ion Ratio Lower Upper
168 100
99 58.2 46.1 69.1



#11
Tert butyl alcohol
Concen: 71.657 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 59 Resp: 13261
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.4#





#15

Acrylonitrile

Concen: 0.674 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.049 min

Lab File: VX032997.D

Acq: 22 Nov 2022 22:36

Instrument :

MSVOA_X

ClientSampleId :

MW-27DL

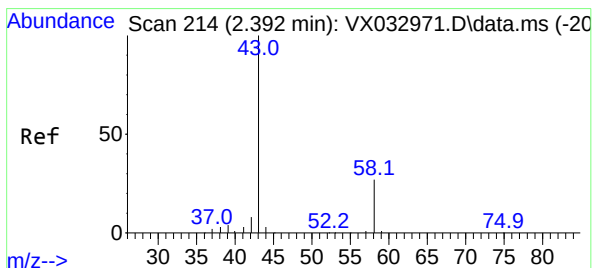
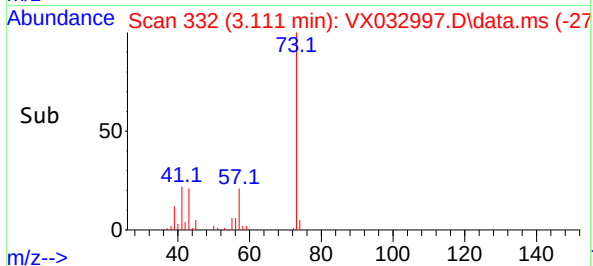
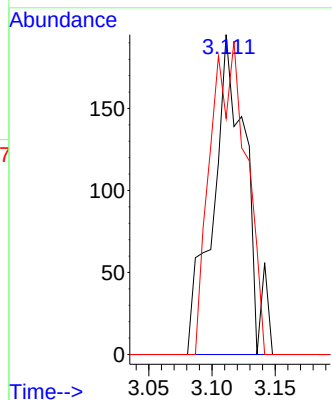
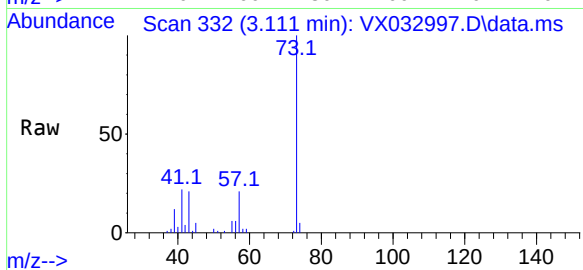
Tgt Ion: 53 Resp: 353

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 106.8 30.3 45.5#



#16

Acetone

Concen: 1.313 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.018 min

Lab File: VX032997.D

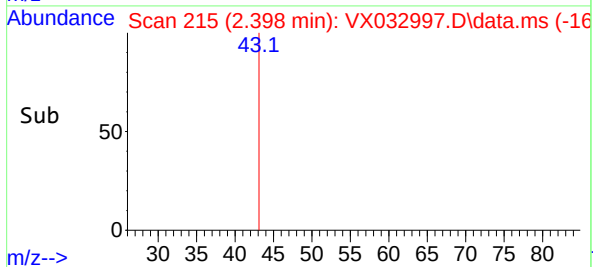
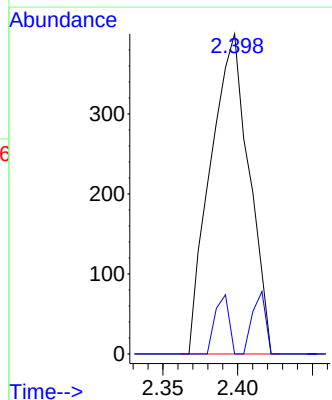
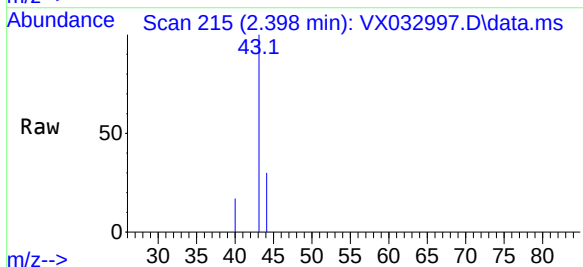
Acq: 22 Nov 2022 22:36

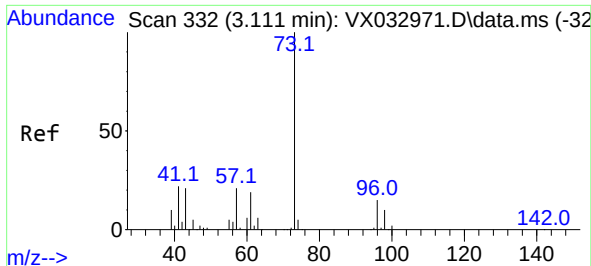
Tgt Ion: 43 Resp: 716

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#

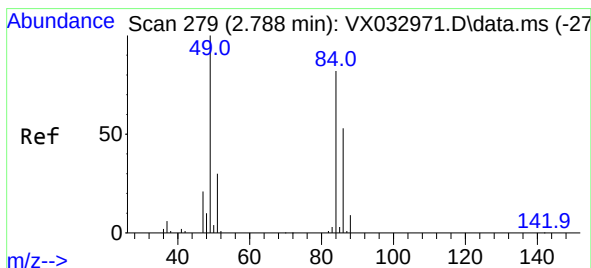
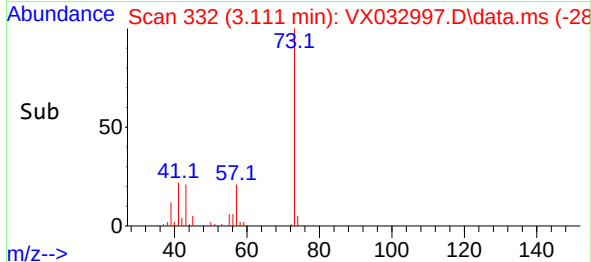
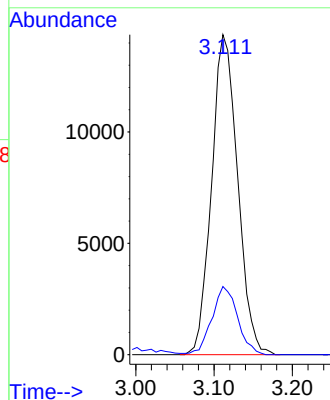
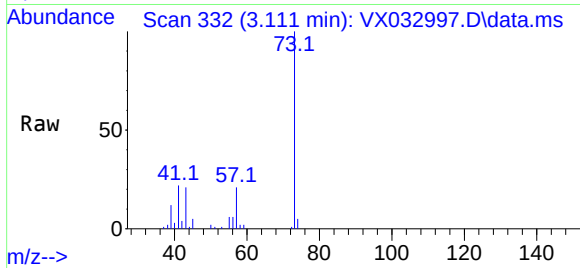




#19
Methyl tert-butyl Ether
Concen: 9.150 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

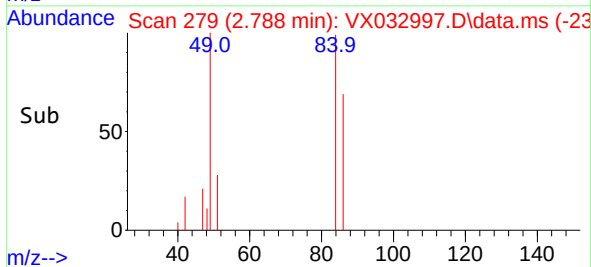
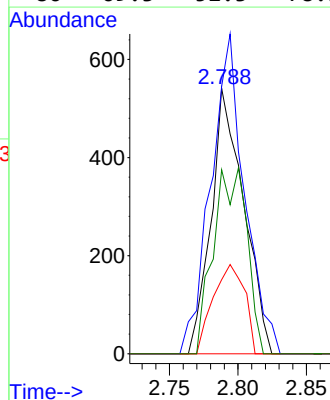
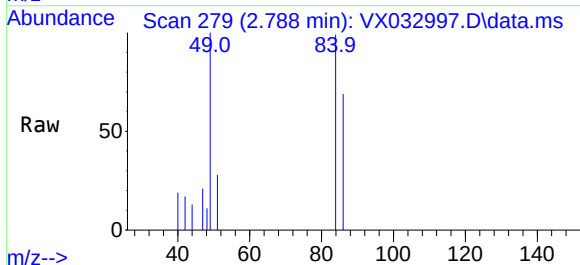
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

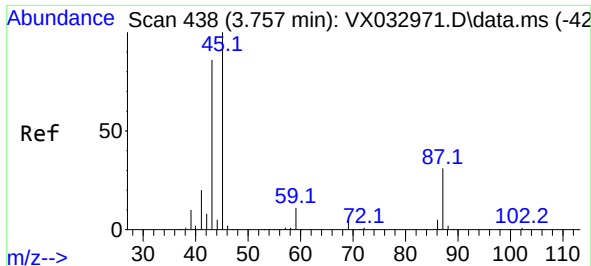
Tgt Ion: 73 Resp: 33199
Ion Ratio Lower Upper
73 100
57 21.3 16.6 25.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 84 Resp: 897
Ion Ratio Lower Upper
84 100
49 100.7 101.0 151.6#
51 27.9 31.1 46.7#
86 69.3 52.3 78.5



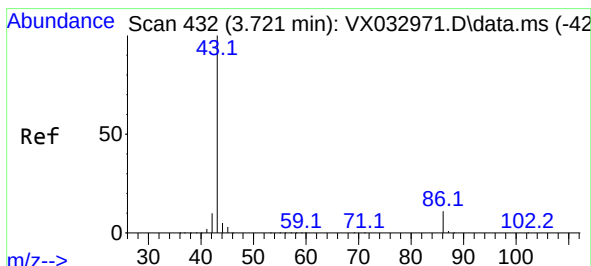
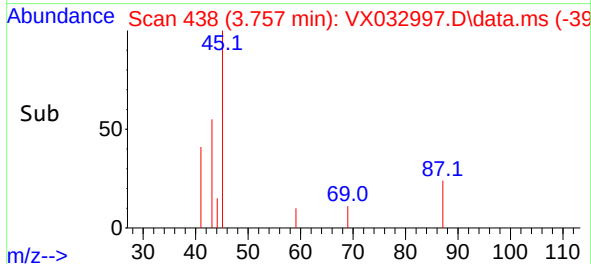
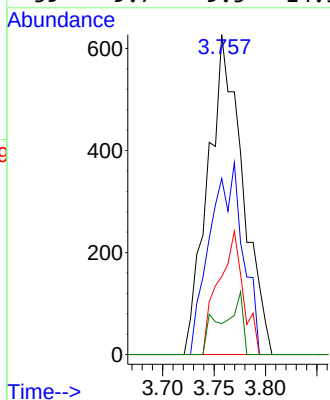
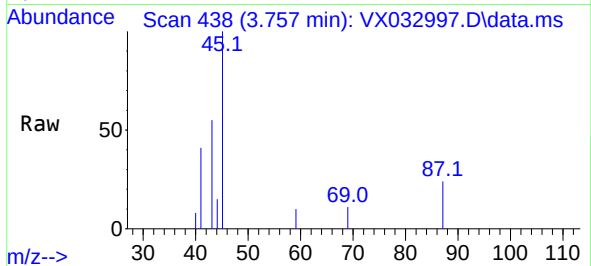


#22
Diisopropyl ether
Concen: 0.399 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

Tgt Ion: 45 Resp: 1469

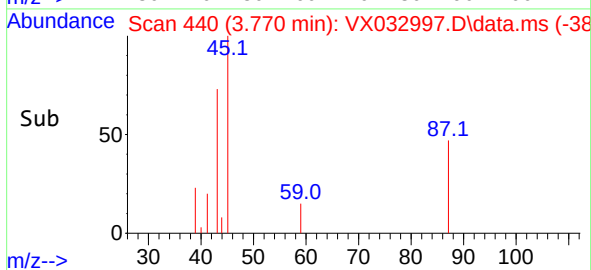
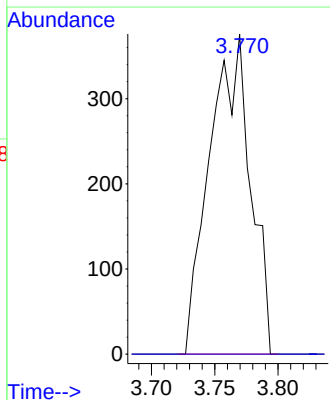
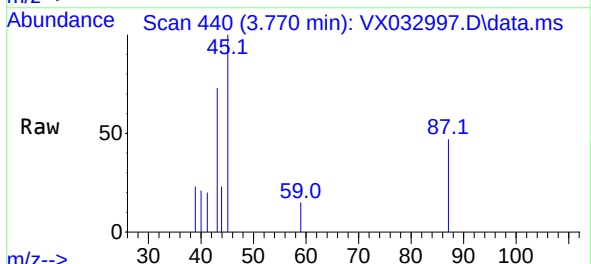
Ion	Ratio	Lower	Upper
45	100		
43	55.0	56.4	84.6#
87	24.4	24.4	36.6
59	9.7	9.5	14.3

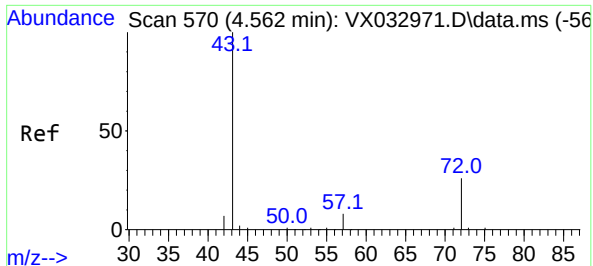


#23
Vinyl Acetate
Concen: 0.292 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.049 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 43 Resp: 841

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#25

2-Butanone

Concen: 0.215 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX032997.D

Acq: 22 Nov 2022 22:36

Instrument :

MSVOA_X

ClientSampleId :

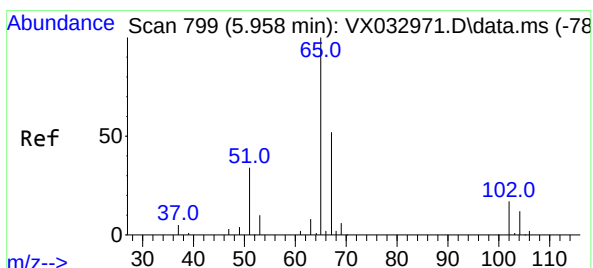
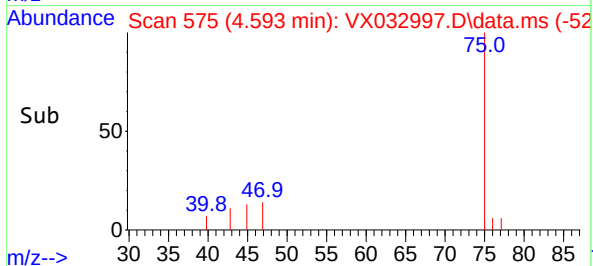
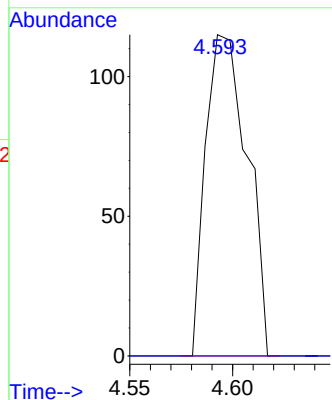
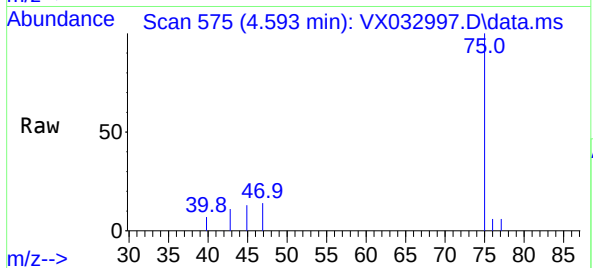
MW-27DL

Tgt Ion: 43 Resp: 162

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#33

1,2-Dichloroethane-d4

Concen: 50.579 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032997.D

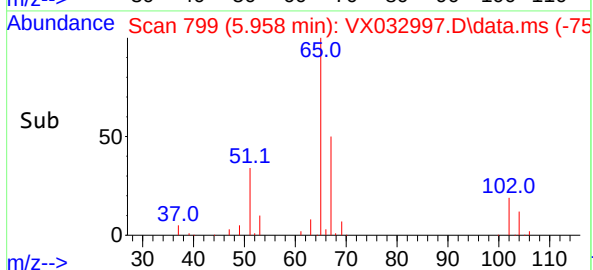
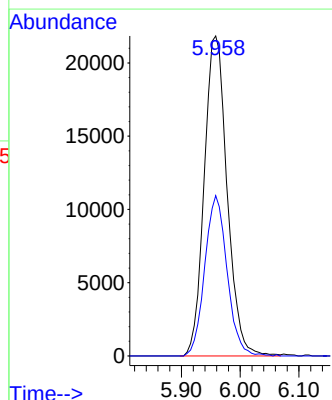
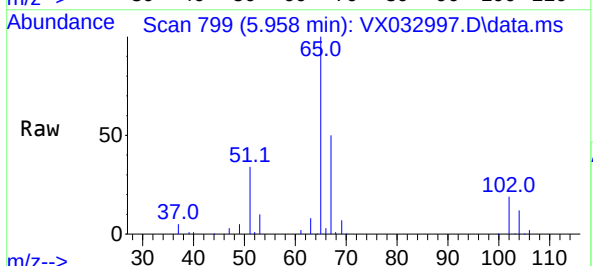
Acq: 22 Nov 2022 22:36

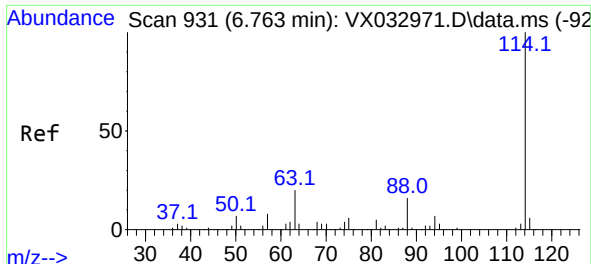
Tgt Ion: 65 Resp: 59206

Ion Ratio Lower Upper

65 100

67 48.8 0.0 101.8

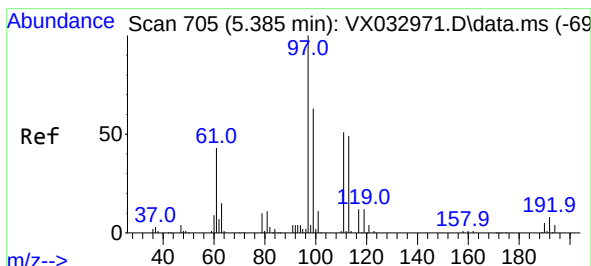
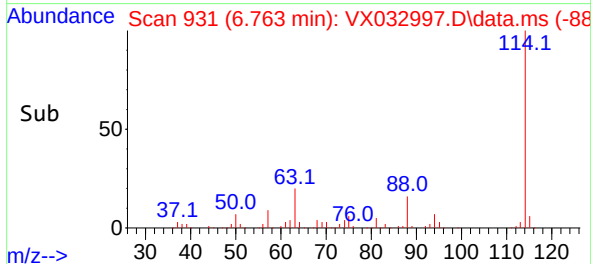
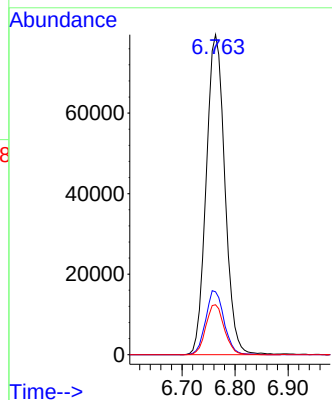
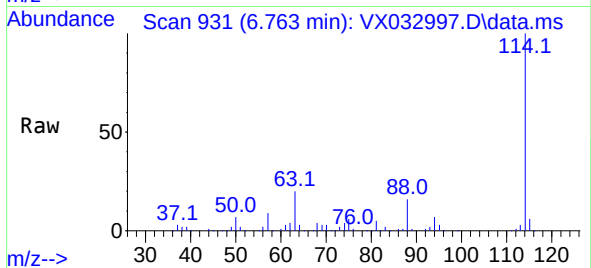




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

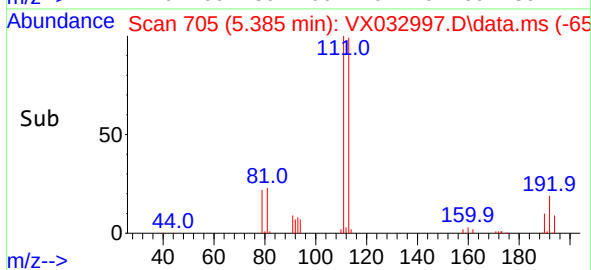
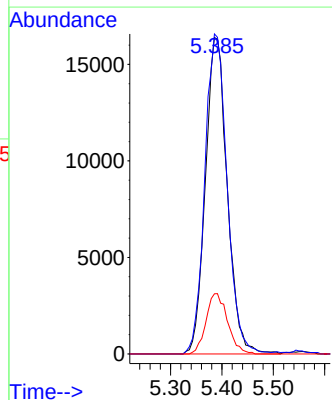
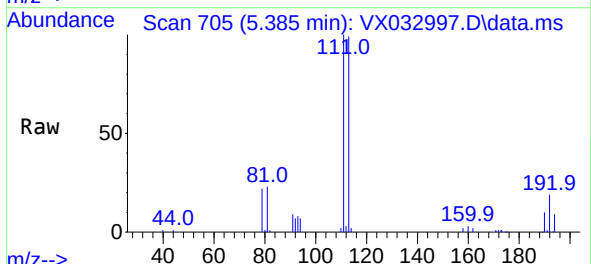
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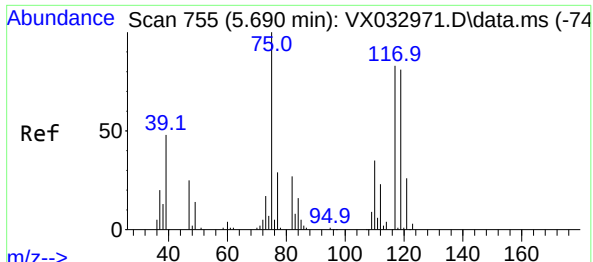
Tgt Ion:114 Resp: 193793
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.6
88 15.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 44.303 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion:113 Resp: 48403
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 18.8 15.4 23.2

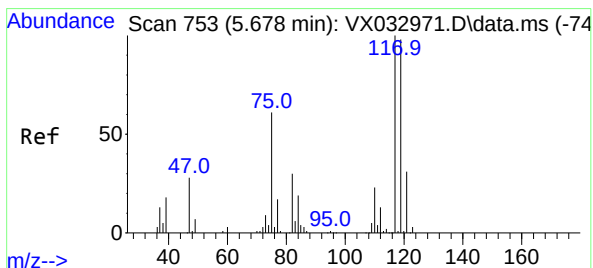
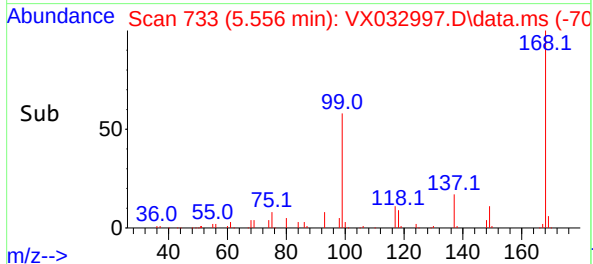
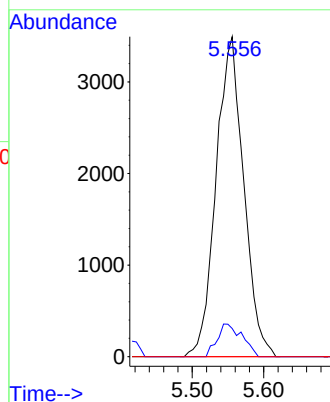
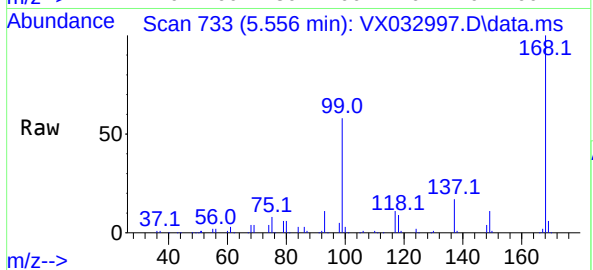




#36
1,1-Dichloropropene
Concen: 5.371 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

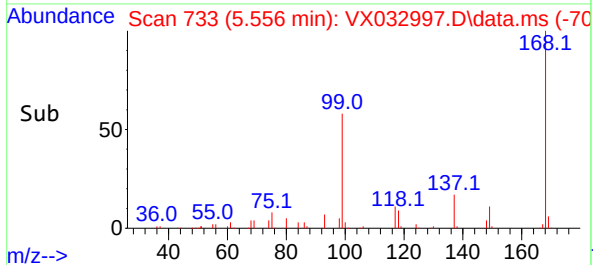
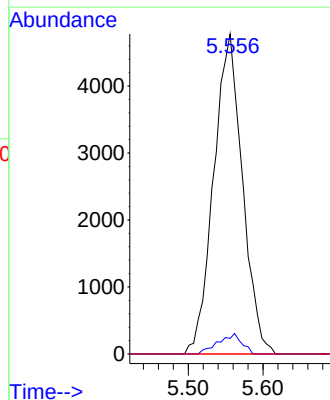
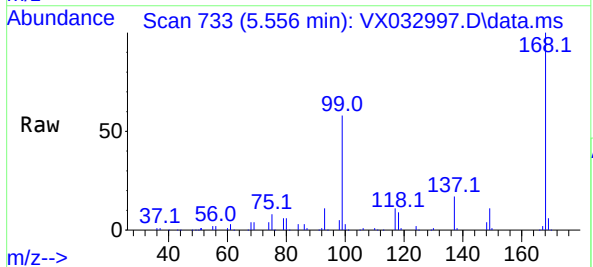
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

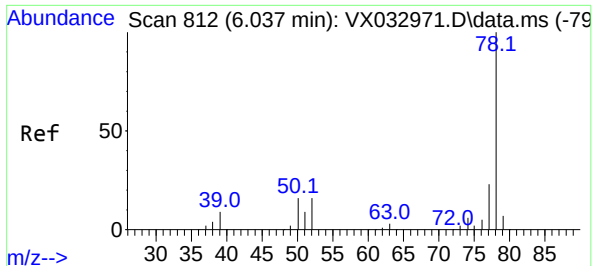
Tgt Ion: 75 Resp: 9382
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.603 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 117 Resp: 12797
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 25.8 38.6#

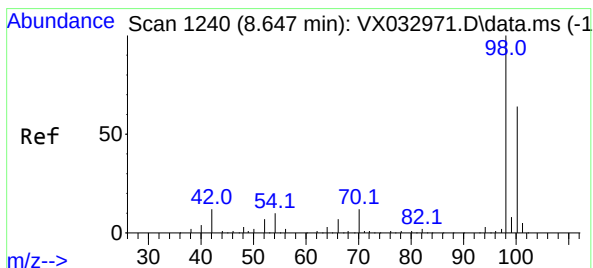
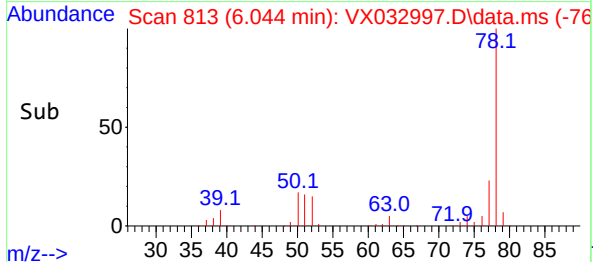
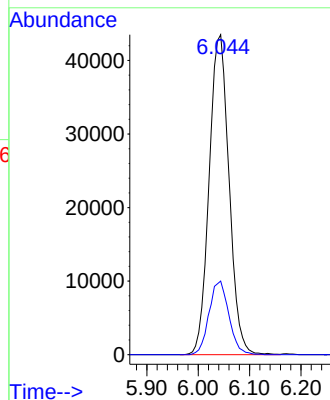
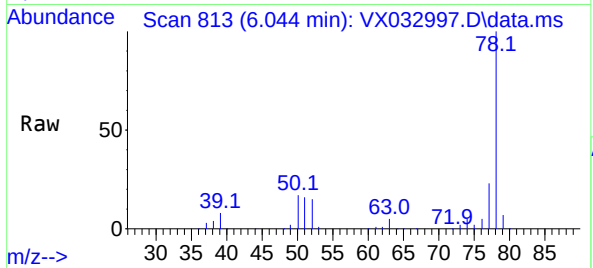




#40
Benzene
Concen: 23.874 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

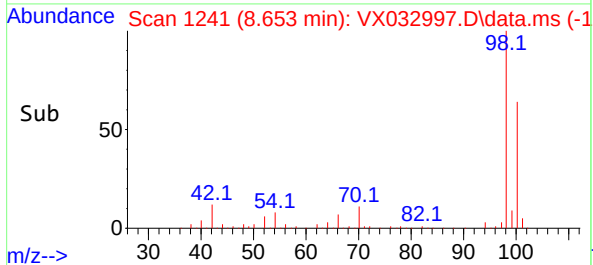
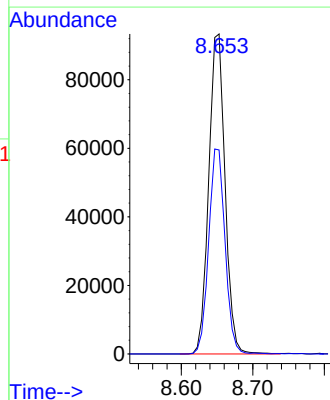
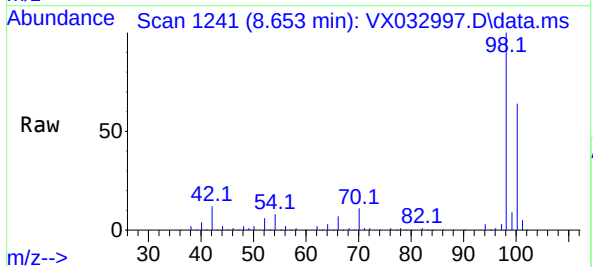
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

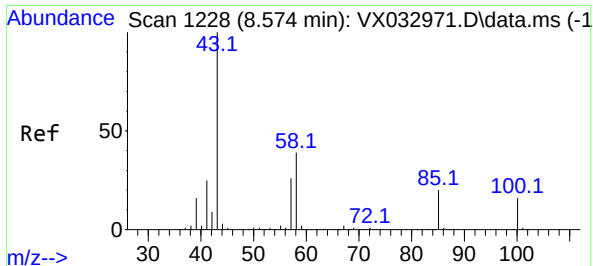
Tgt Ion: 78 Resp: 116935
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4



#50
Toluene-d8
Concen: 44.798 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 98 Resp: 147999
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.213 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX032997.D

Acq: 22 Nov 2022 22:36

Instrument :

MSVOA_X

ClientSampleId :

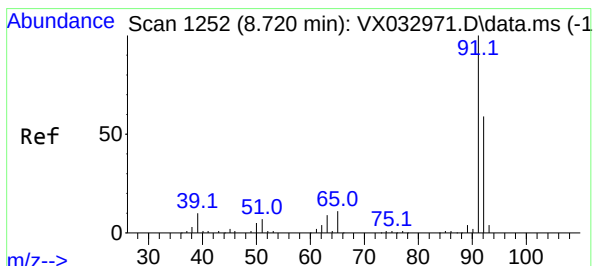
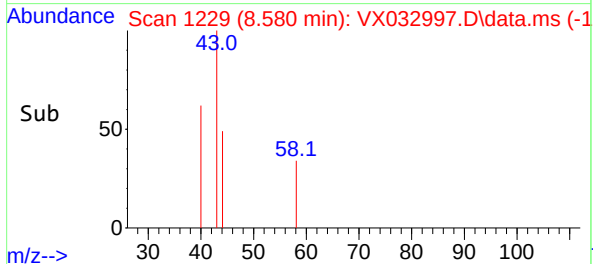
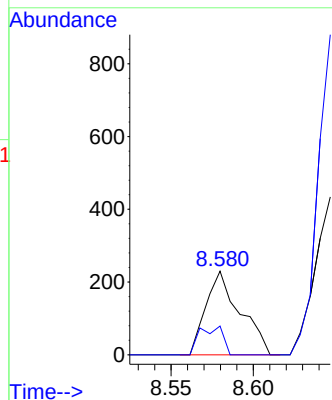
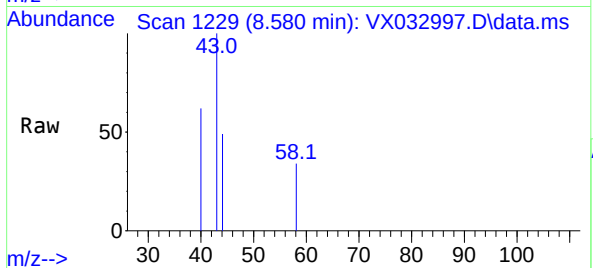
MW-27DL

Tgt Ion: 43 Resp: 332

Ion Ratio Lower Upper

43 100

58 23.2 30.9 46.3#



#52

Toluene

Concen: 4.582 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032997.D

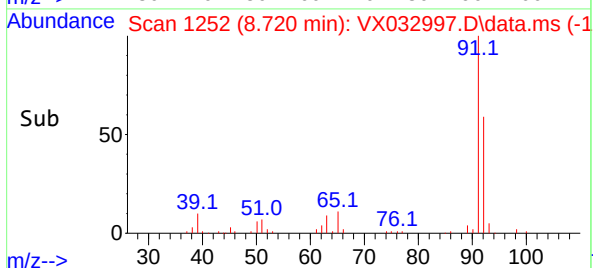
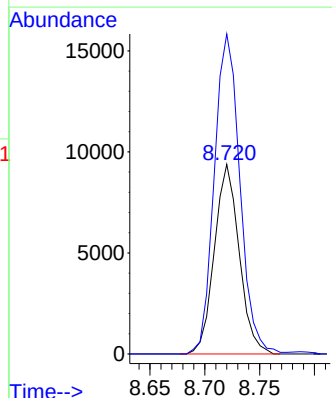
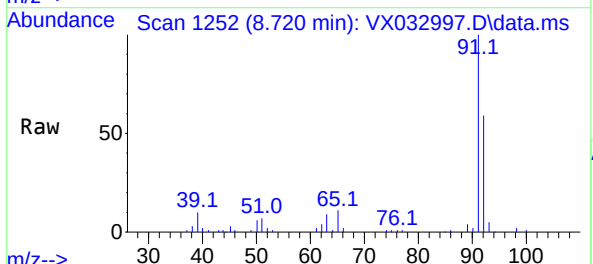
Acq: 22 Nov 2022 22:36

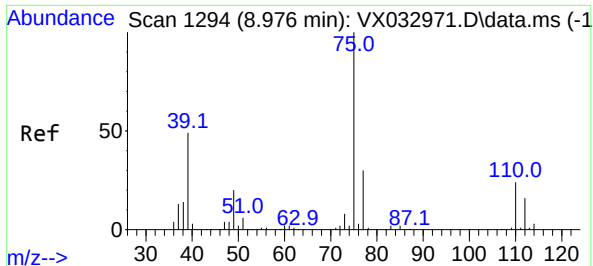
Tgt Ion: 92 Resp: 14765

Ion Ratio Lower Upper

92 100

91 174.3 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 1.576 ug/l

RT: 8.726 min Scan# 11

Delta R.T. -0.256 min

Lab File: VX032997.D

Acq: 22 Nov 2022 22:36

Instrument :

MSVOA_X

ClientSampleId :

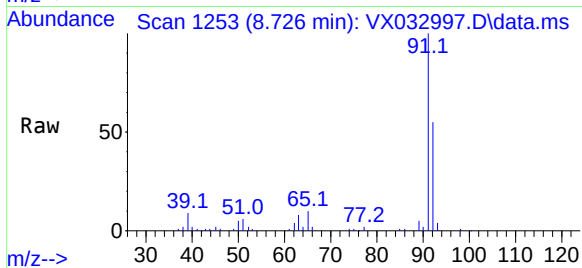
MW-27DL

Tgt Ion: 75 Resp: 120

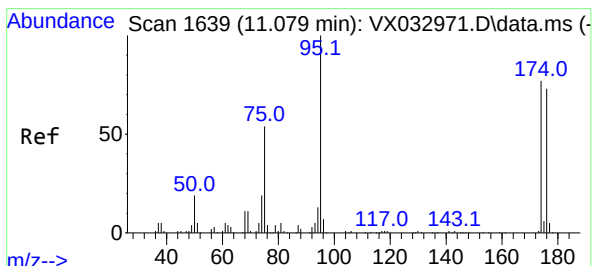
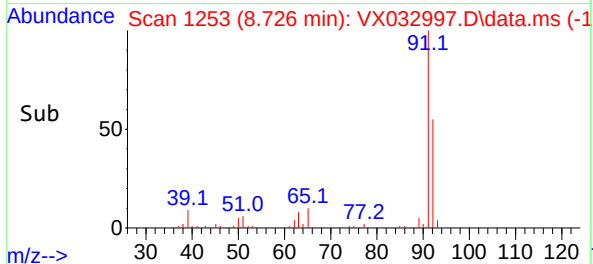
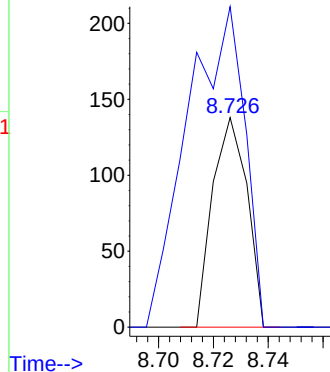
Ion Ratio Lower Upper

75 100

77 152.9 25.1 37.7#



Abundance



#62

4-Bromofluorobenzene

Concen: 47.505 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032997.D

Acq: 22 Nov 2022 22:36

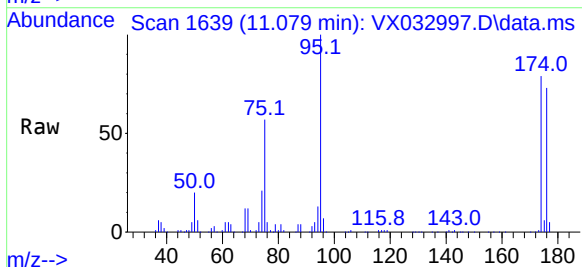
Tgt Ion: 95 Resp: 68177

Ion Ratio Lower Upper

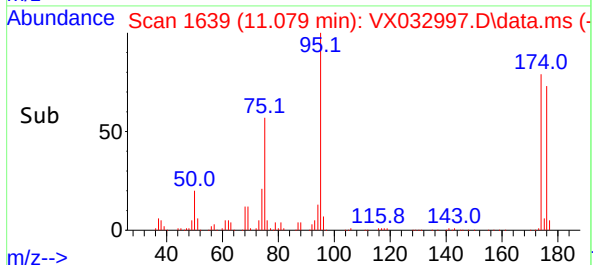
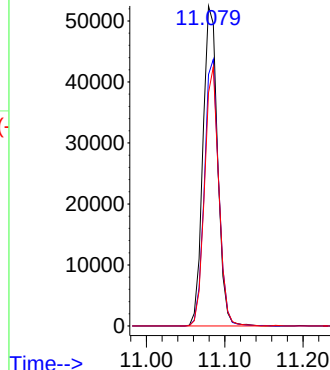
95 100

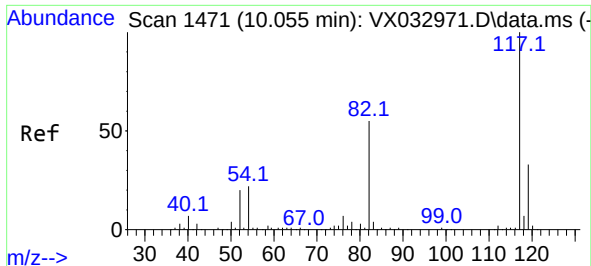
174 81.4 0.0 164.0

176 78.4 0.0 154.4



Abundance

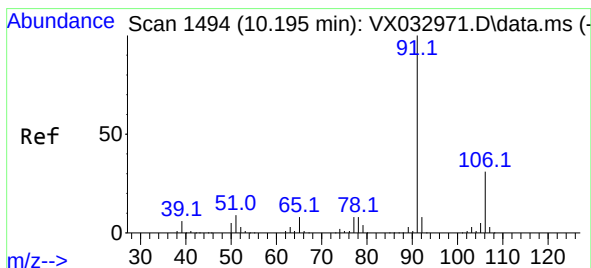
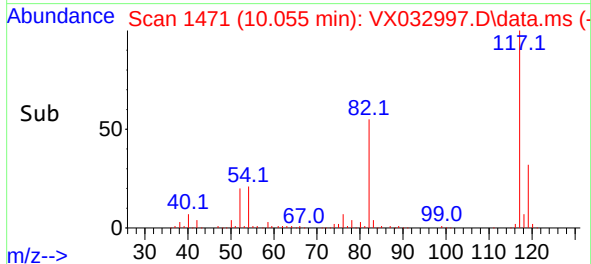
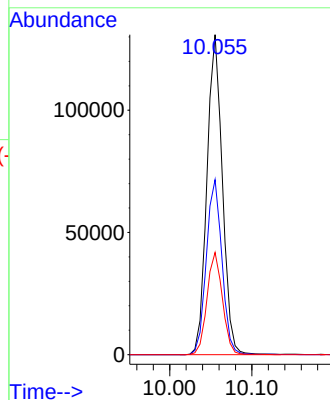
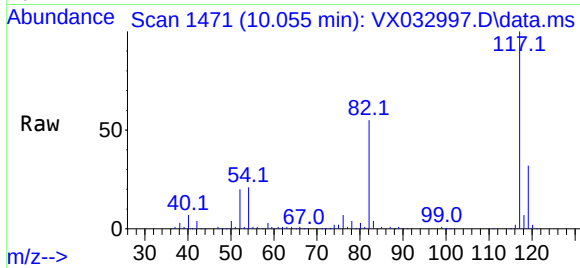




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

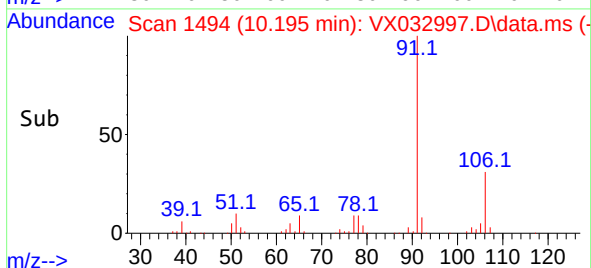
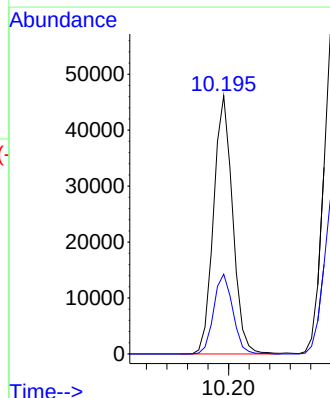
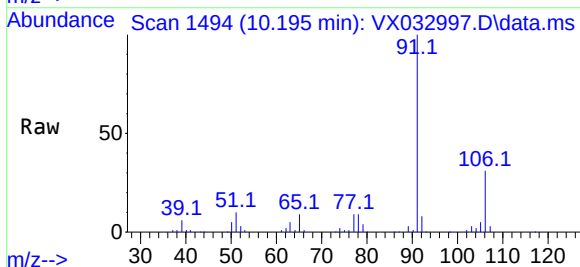
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

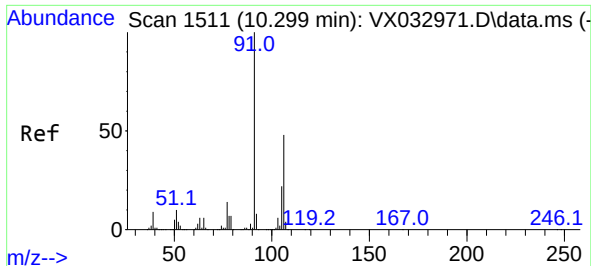
Tgt Ion:117 Resp: 170907
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 31.9 25.7 38.5



#67
Ethyl Benzene
Concen: 9.851 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 91 Resp: 59542
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6

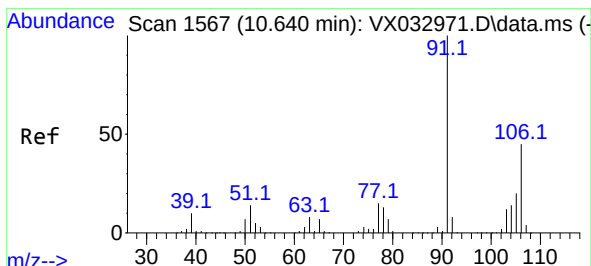
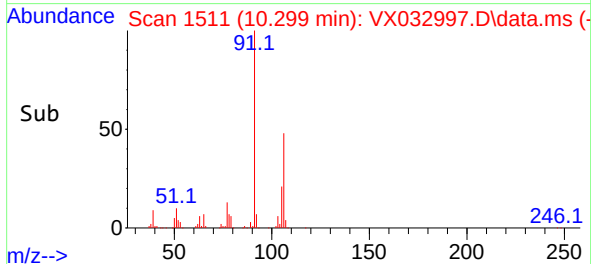
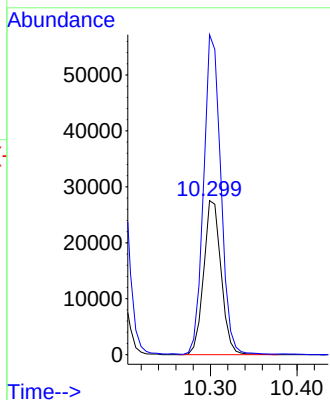
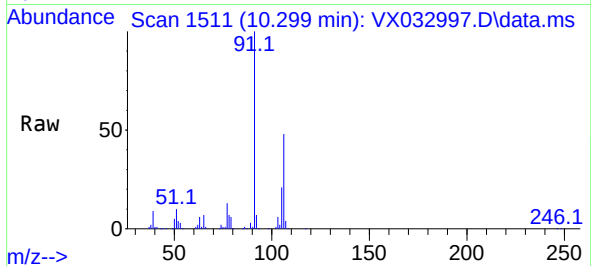




#68
m/p-Xylenes
Concen: 16.247 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

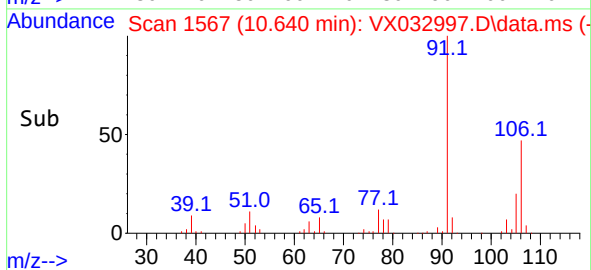
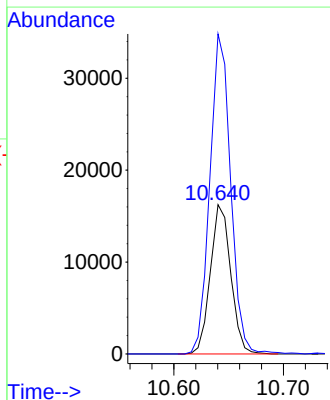
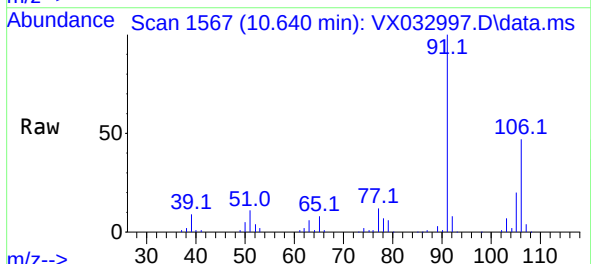
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

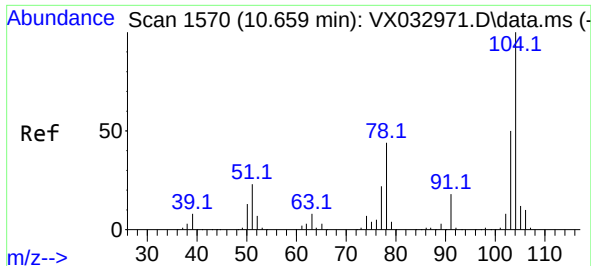
Tgt Ion:106 Resp: 38455
Ion Ratio Lower Upper
106 100
91 204.4 164.5 246.7



#69
o-Xylene
Concen: 9.195 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion:106 Resp: 21058
Ion Ratio Lower Upper
106 100
91 218.1 109.2 327.6

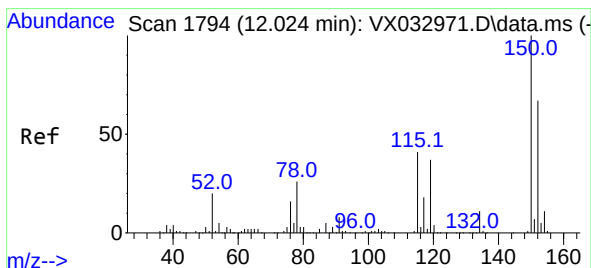
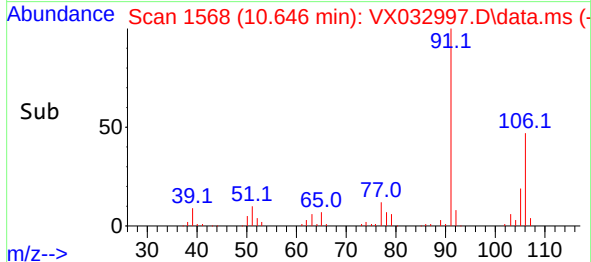
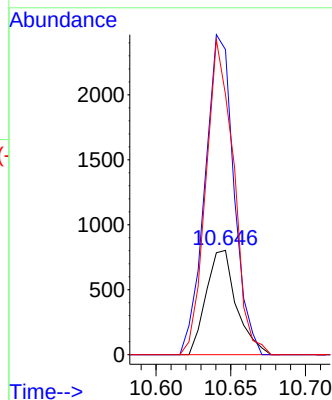
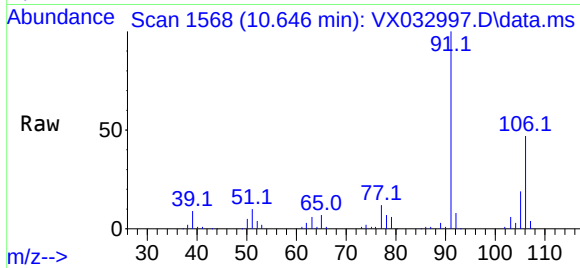




#70
Styrene
Concen: 0.302 ug/l
RT: 10.646 min Scan# 1130
Delta R.T. -0.013 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

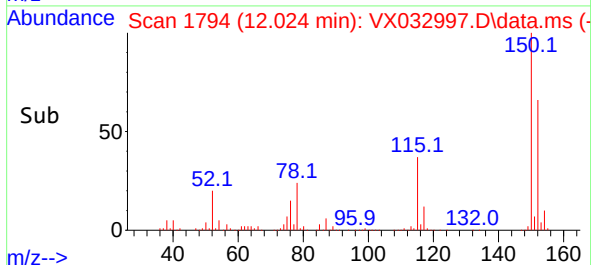
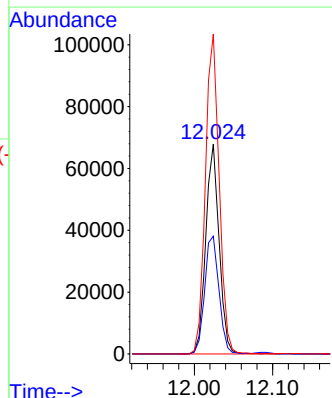
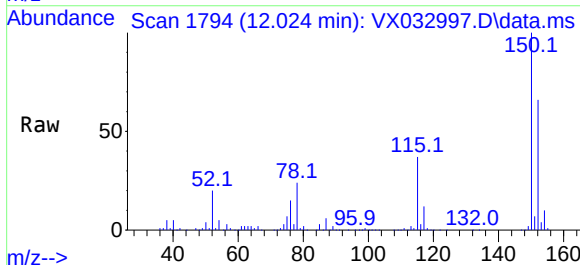
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

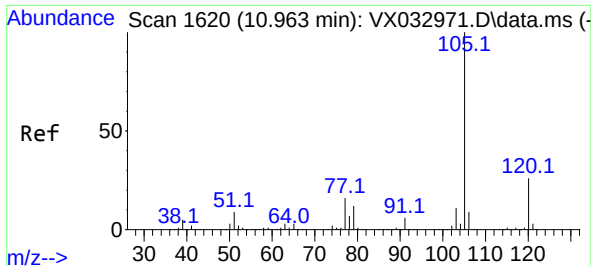
Tgt Ion:104 Resp: 1130
Ion Ratio Lower Upper
104 100
78 293.0 41.8 62.8#
103 275.9 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion:152 Resp: 80249
Ion Ratio Lower Upper
152 100
115 60.1 44.0 132.0
150 157.1 0.0 351.8

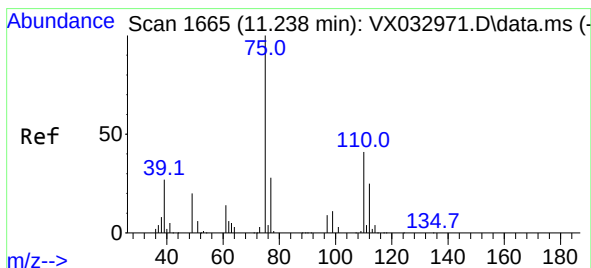
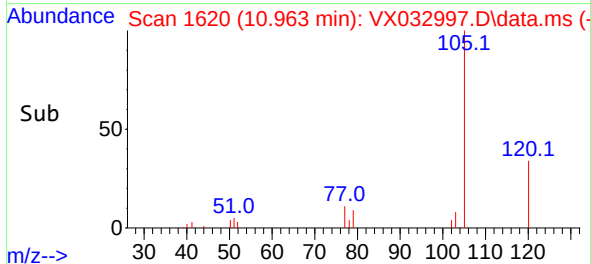
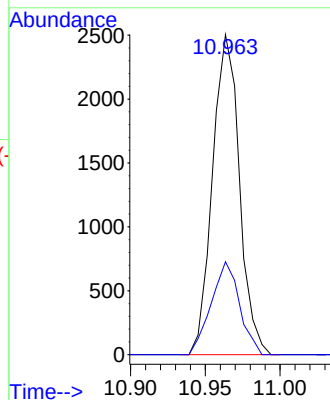
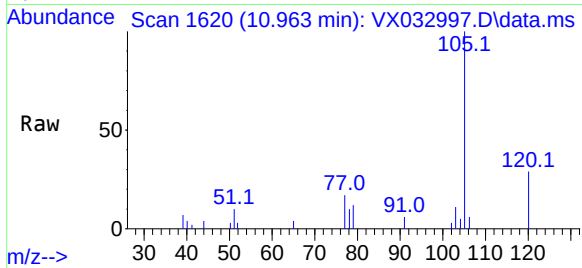




#73
Isopropylbenzene
Concen: 0.546 ug/l
RT: 10.963 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

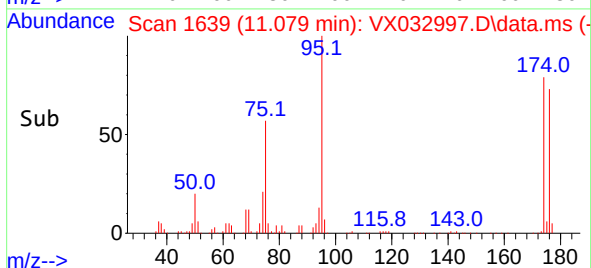
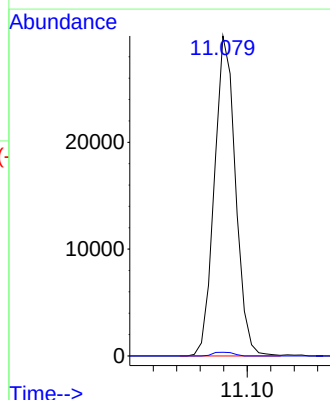
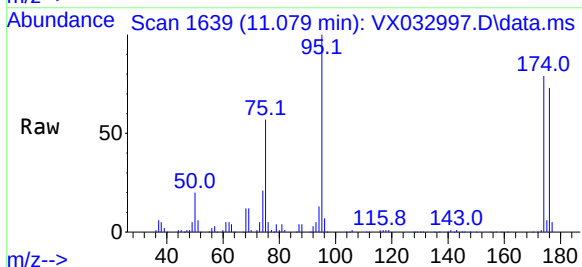
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

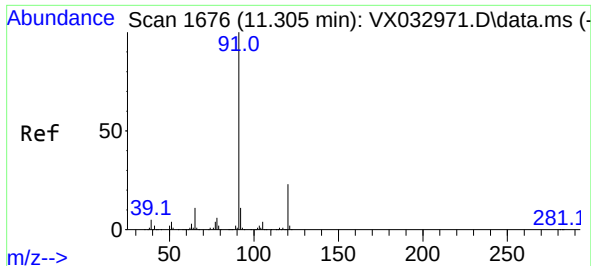
Tgt Ion:105 Resp: 3129
Ion Ratio Lower Upper
105 100
120 30.6 13.1 39.3



#76
1,2,3-Trichloropropane
Concen: 24.648 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 75 Resp: 37459
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#

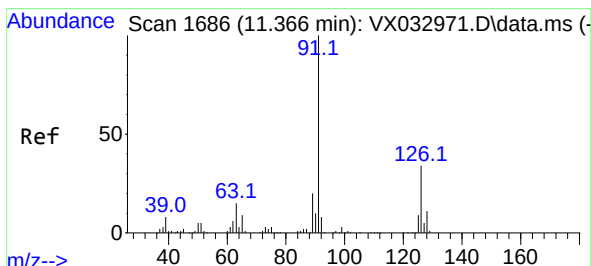
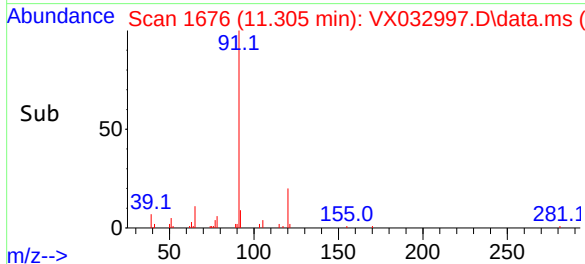
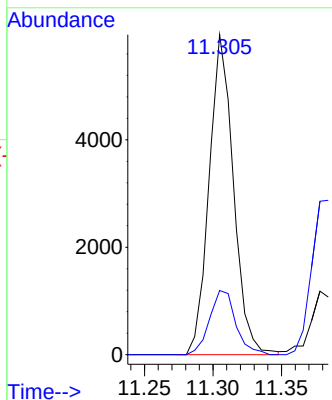
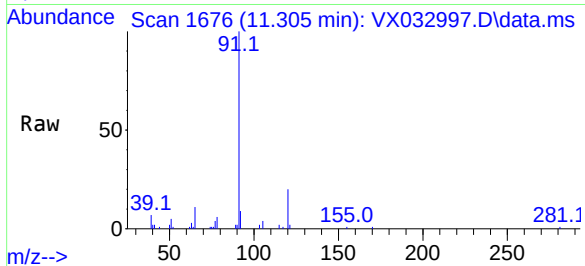




#78
n-propylbenzene
Concen: 1.120 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

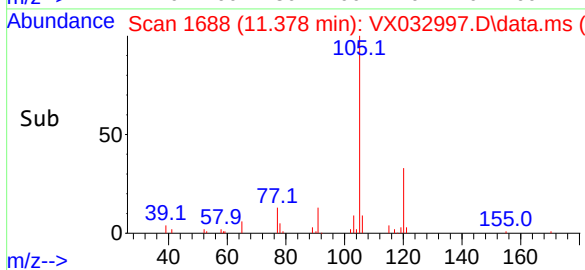
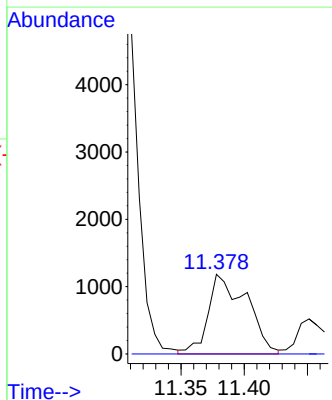
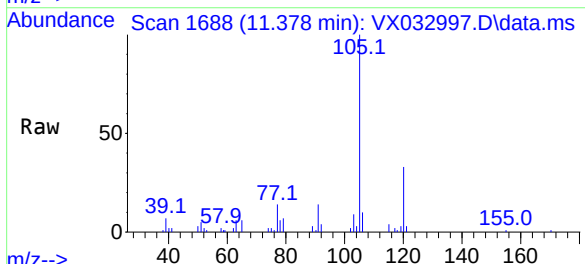
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

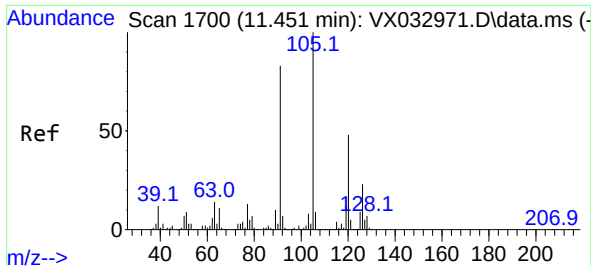
Tgt Ion: 91 Resp: 7342
Ion Ratio Lower Upper
91 100
120 21.6 11.6 34.8



#79
2-Chlorotoluene
Concen: 0.629 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 91 Resp: 2505
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

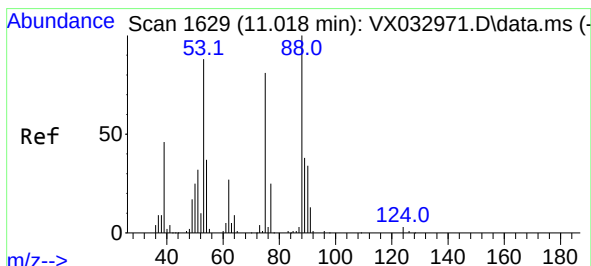
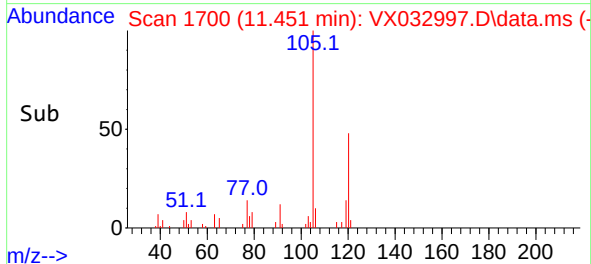
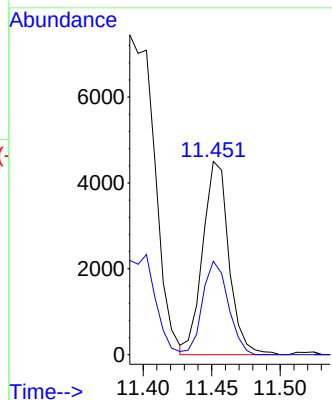
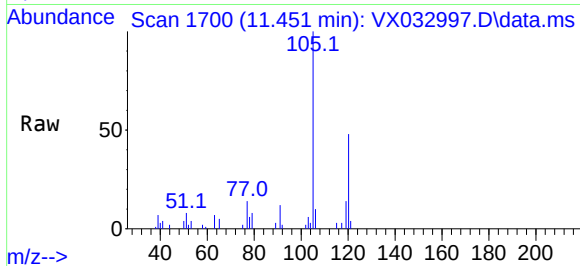




#80
1,3,5-Trimethylbenzene
Concen: 1.243 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

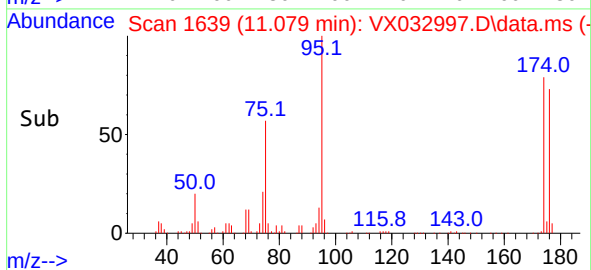
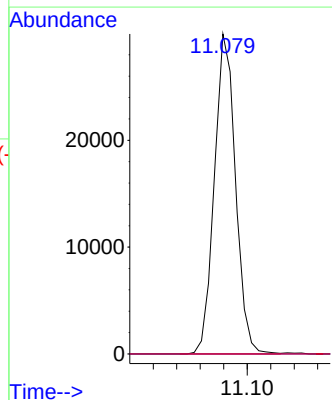
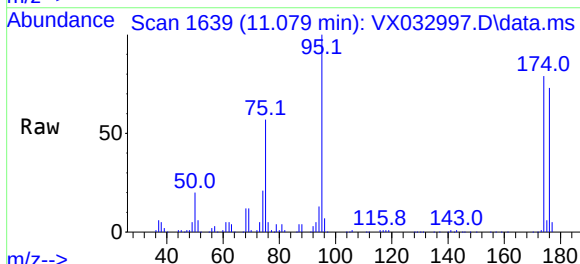
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

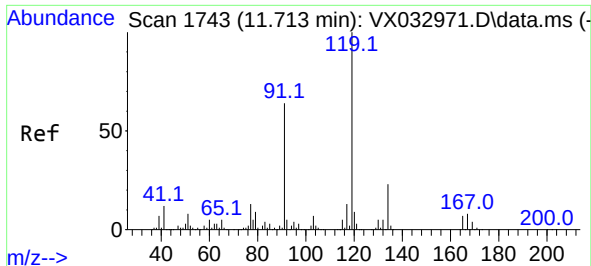
Tgt Ion:105 Resp: 5986
Ion Ratio Lower Upper
105 100
120 47.4 23.6 71.0



#81
trans-1,4-Dichloro-2-butene
Concen: 80.116 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion: 75 Resp: 37459
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

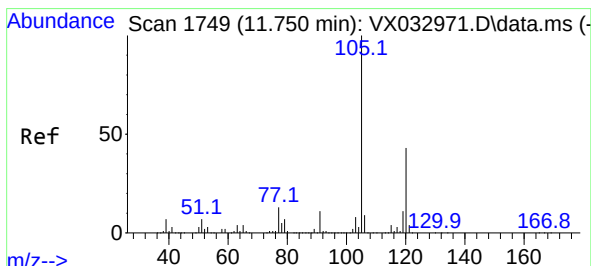
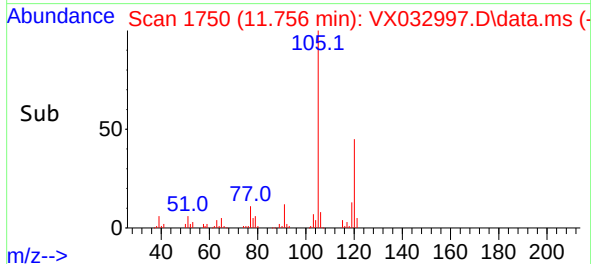
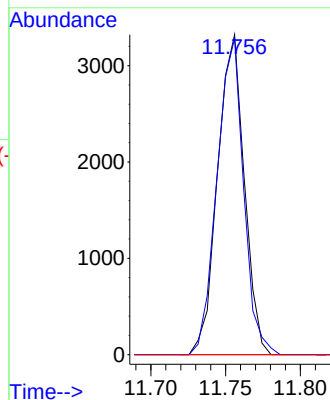
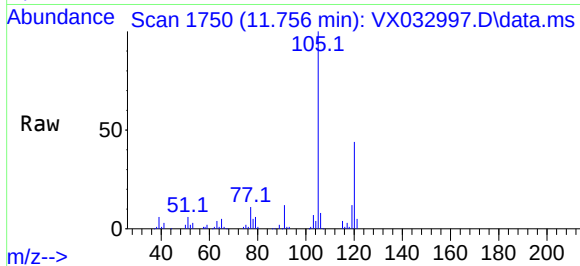




#83
tert-Butylbenzene
Concen: 0.859 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.043 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

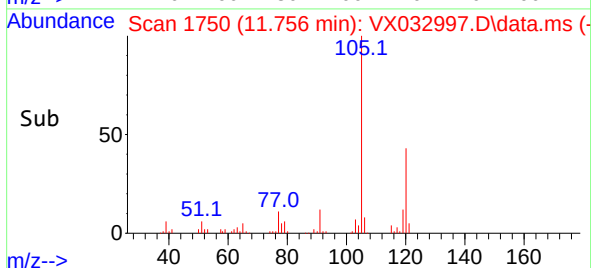
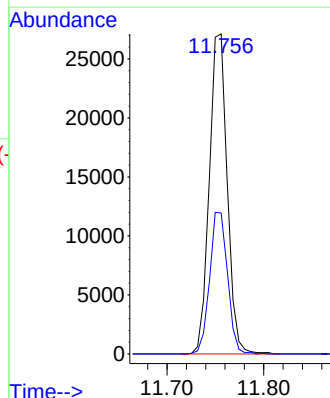
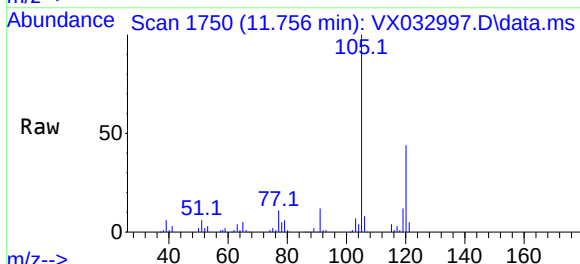
Instrument :
MSVOA_X
ClientSampleId :
MW-27DL

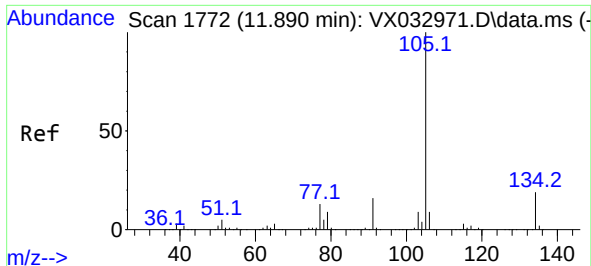
Tgt Ion:119 Resp: 4120
Ion Ratio Lower Upper
119 100
91 98.4 29.4 88.2#
134 0.0 11.0 33.0#



#84
1,2,4-Trimethylbenzene
Concen: 7.283 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Tgt Ion:105 Resp: 34986
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.5

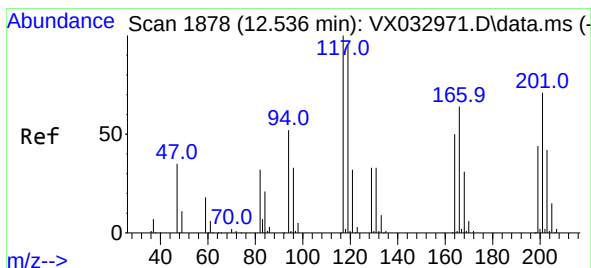
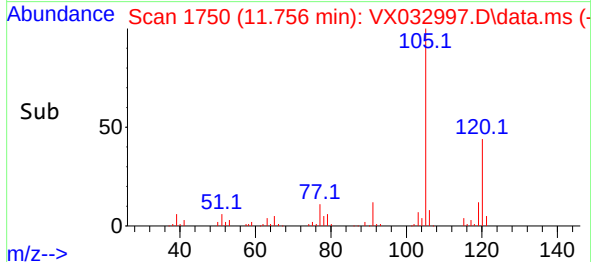
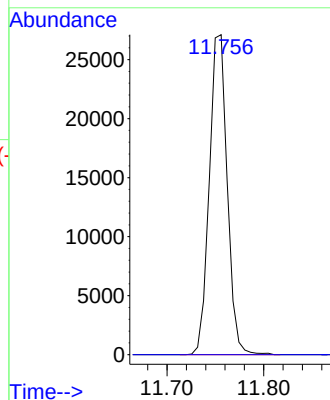
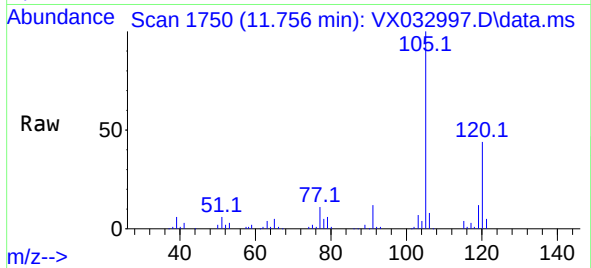




#85
 sec-Butylbenzene
 Concen: 6.098 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX032997.D
 Acq: 22 Nov 2022 22:36

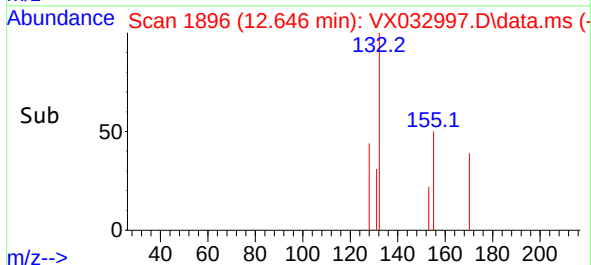
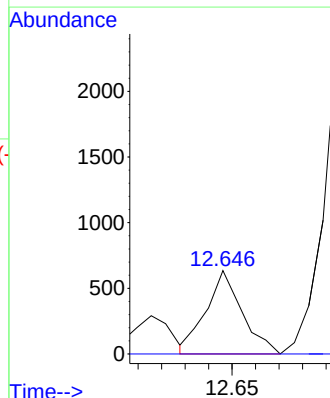
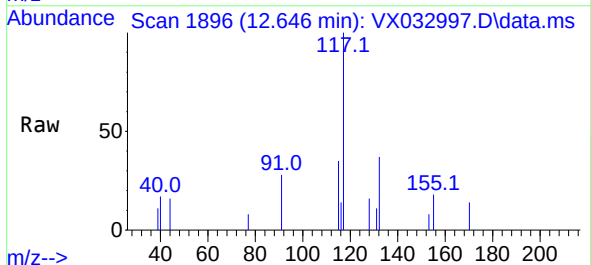
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27DL

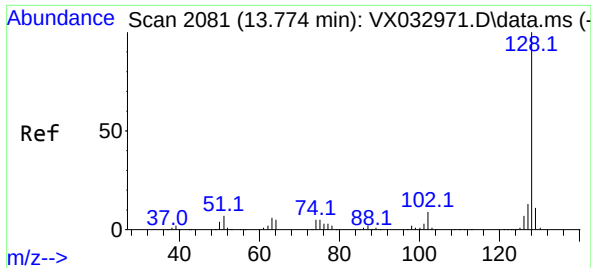
Tgt Ion:105 Resp: 34986
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#



#90
 Hexachloroethane
 Concen: 0.849 ug/l
 RT: 12.646 min Scan# 1896
 Delta R.T. 0.104 min
 Lab File: VX032997.D
 Acq: 22 Nov 2022 22:36

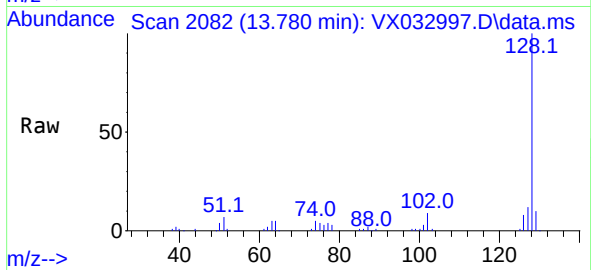
Tgt Ion:117 Resp: 678
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 4.203 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX032997.D
Acq: 22 Nov 2022 22:36

Instrument :
MSVOA_X
ClientSampleId :
MW-27DL



Tgt Ion:128 Resp: 21567
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 9.8 8.9 13.3

