

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120622\
 Data File : VX033260.D
 Acq On : 06 Dec 2022 15:31
 Operator : JC/MD
 Sample : N5875-01DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-36DL

Quant Time: Dec 07 01:32:51 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)

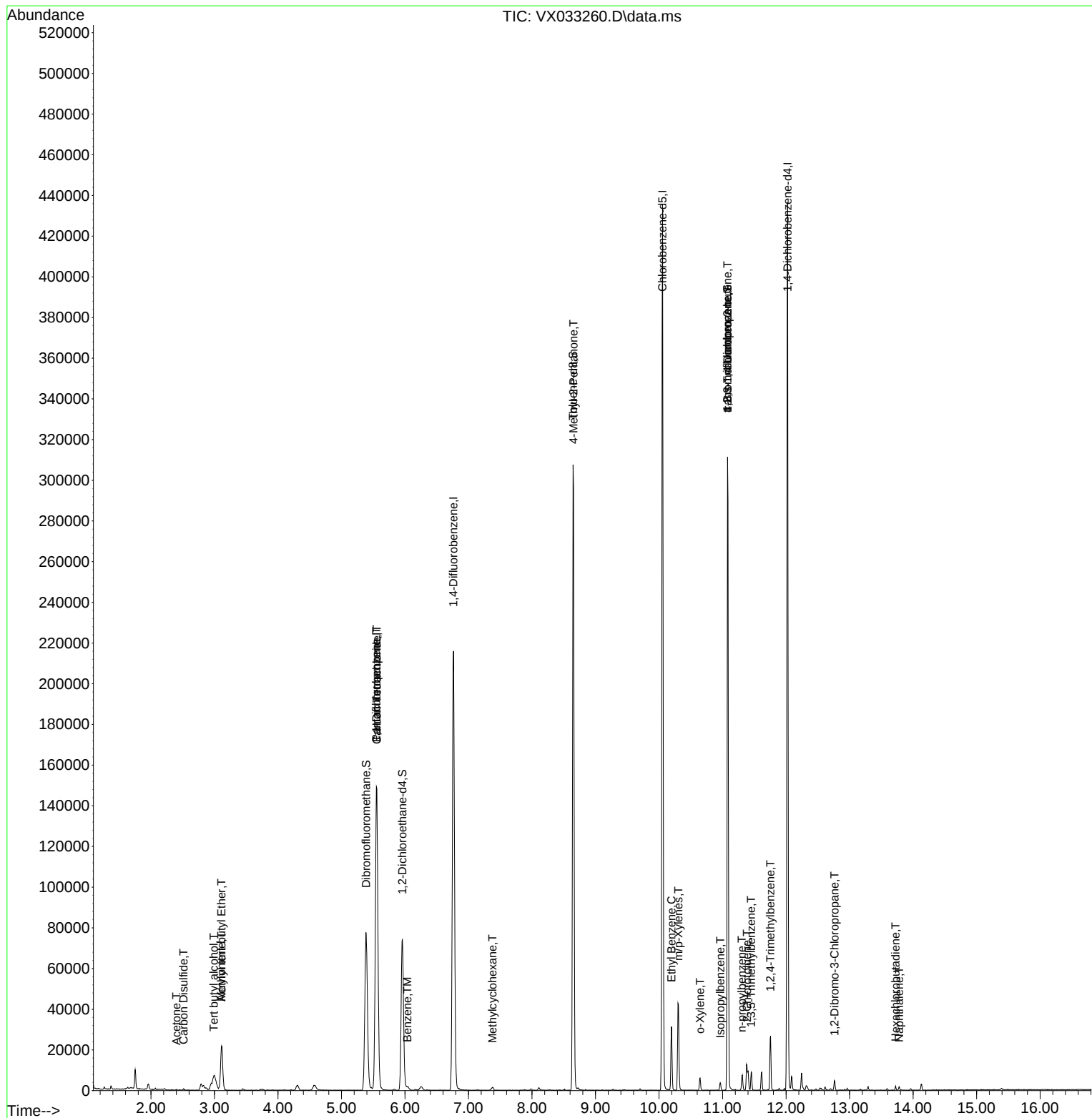
Internal Standards						
1) Pentafluorobenzene	5.550	168	142610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225133	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75955	54.807	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.620%	
35) Dibromofluoromethane	5.385	113	67944	53.532	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.060%	
50) Toluene-d8	8.647	98	187502	49.059	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.120%	
62) 4-Bromofluorobenzene	11.079	95	82601	49.543	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	16782	76.229	ug/l	99
15) Acrylonitrile	3.111	53	378	0.607	ug/l #	15
16) Acetone	2.398	43	335	0.516	ug/l #	45
17) Carbon Disulfide	2.514	76	789	0.229	ug/l #	74
19) Methyl tert-butyl Ether	3.111	73	23261	5.389	ug/l	97
20) Methylene Chloride	2.794	84	1030	Below Cal		92
36) 1,1-Dichloropropene	5.550	75	10638	5.242	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14863	6.602	ug/l #	15
39) Methylcyclohexane	7.379	83	696	0.301	ug/l #	77
40) Benzene	6.038	78	1995	0.351	ug/l #	76
51) 4-Methyl-2-Pentanone	8.653	43	803	0.444	ug/l #	1
67) Ethyl Benzene	10.195	91	18171	2.609	ug/l	99
68) m/p-Xylenes	10.305	106	10763	3.947	ug/l	99
69) o-Xylene	10.646	106	1424	0.540	ug/l	100
73) Isopropylbenzene	10.963	105	2333	0.359	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	43400	25.222	ug/l #	37
78) n-propylbenzene	11.305	91	3893	0.524	ug/l	97
79) 2-Chlorotoluene	11.384	91	1511	0.335	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	4073	0.747	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	43400	81.985	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	12741	2.343	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.762	75	107	0.274	ug/l #	1
94) Hexachlorobutadiene	13.725	225	303	0.382	ug/l	98
95) Naphthalene	13.780	128	1582	0.272	ug/l #	93

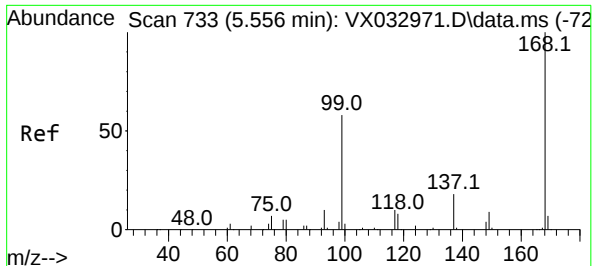
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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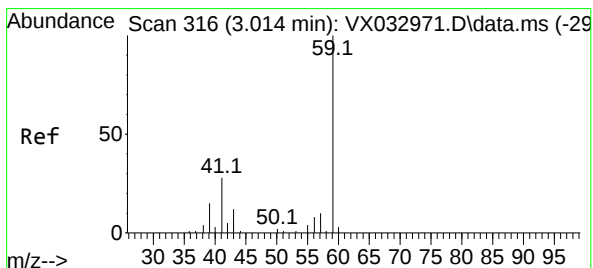
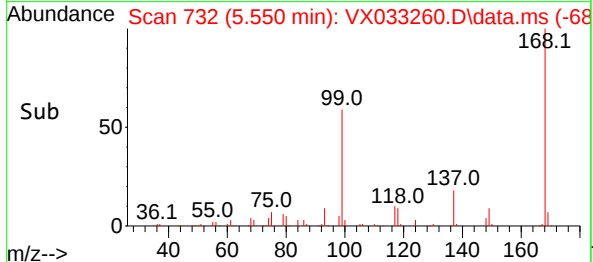
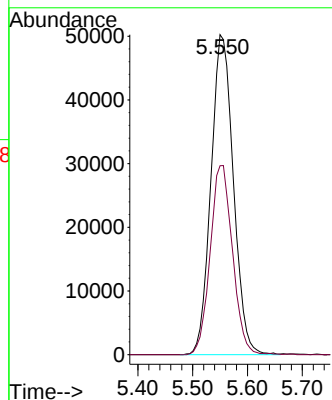
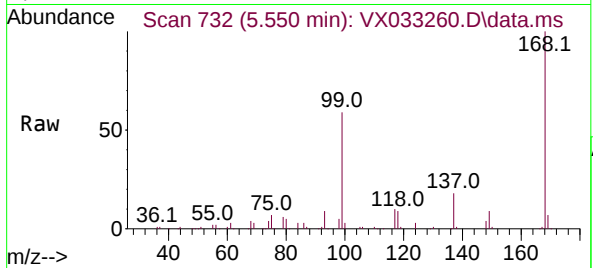




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

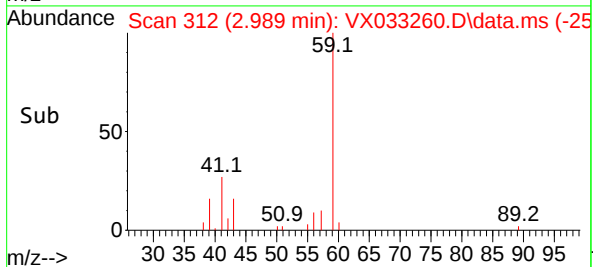
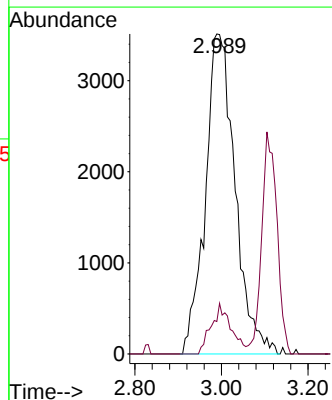
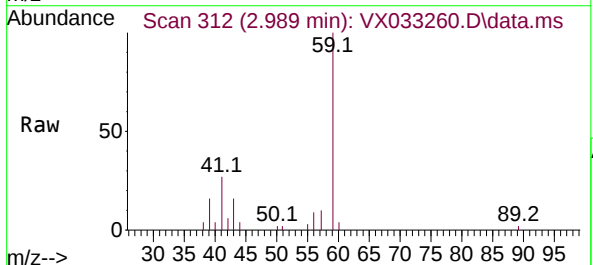
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

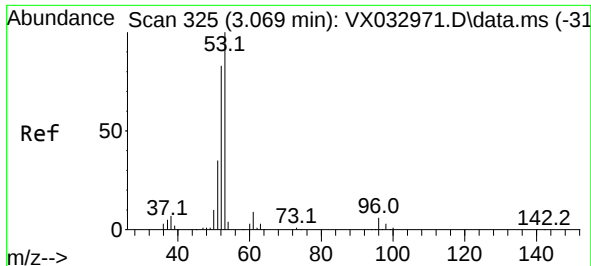
Tgt Ion:168 Resp: 142610
Ion Ratio Lower Upper
168 100
99 59.1 46.1 69.1



#11
Tert butyl alcohol
Concen: 76.229 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 59 Resp: 16782
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

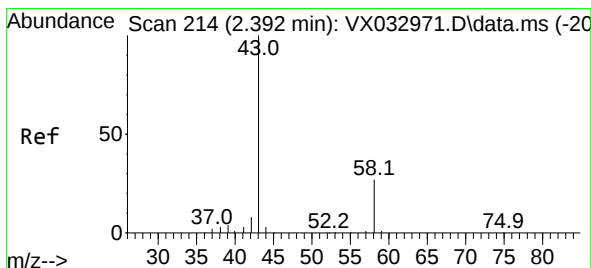
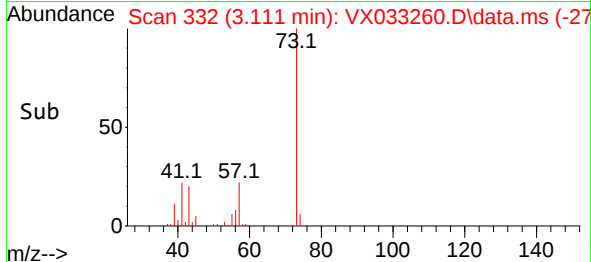
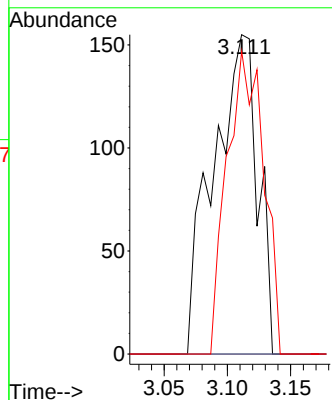
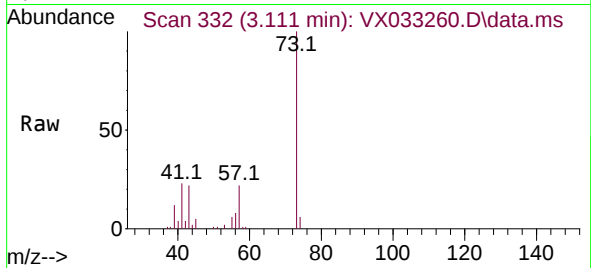




#15
Acrylonitrile
Concen: 0.607 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.049 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

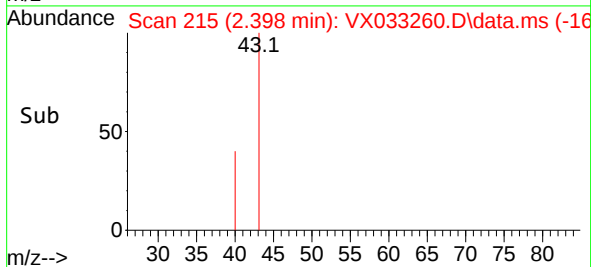
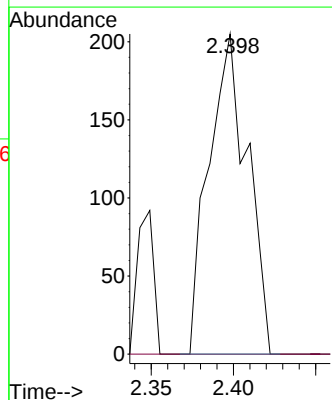
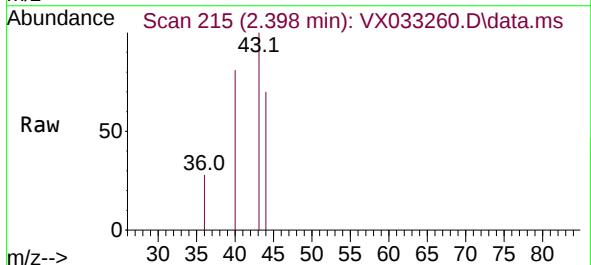
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

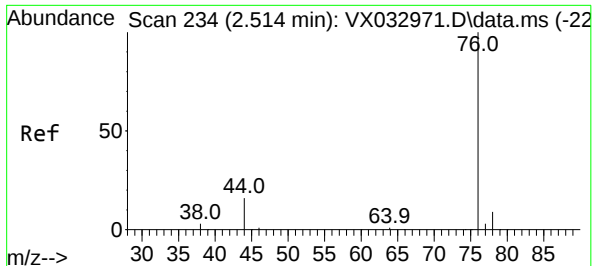
Tgt Ion: 53 Resp: 378
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 78.3 30.3 45.5#



#16
Acetone
Concen: 0.516 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.018 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#

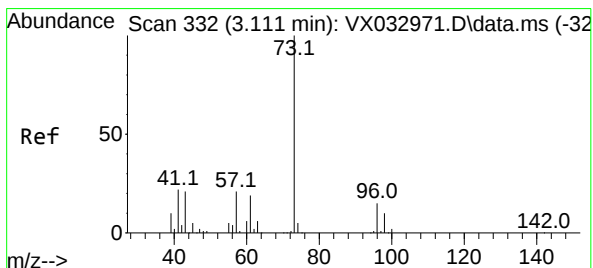
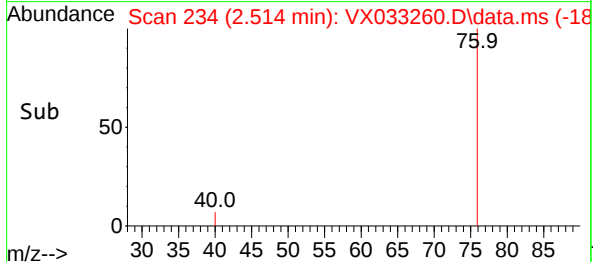
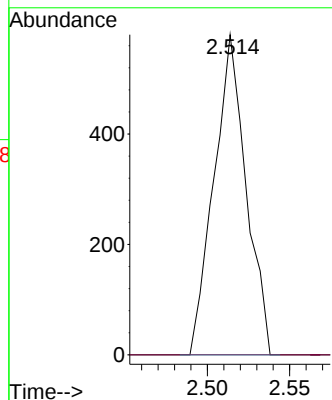
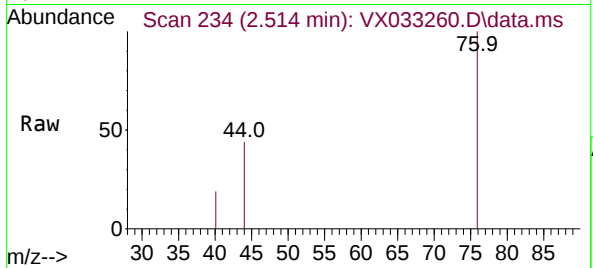




#17
Carbon Disulfide
Concen: 0.229 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

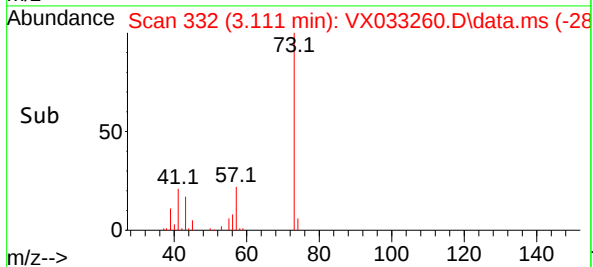
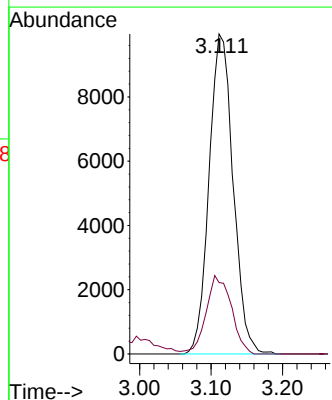
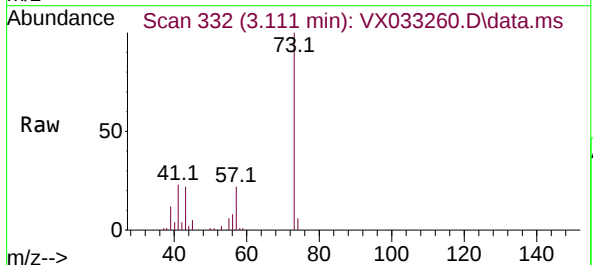
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

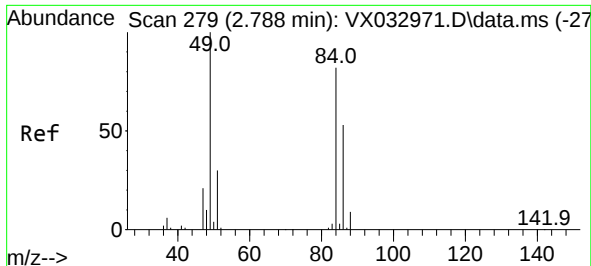
Tgt Ion: 76 Resp: 789
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#19
Methyl tert-butyl Ether
Concen: 5.389 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 73 Resp: 23261
Ion Ratio Lower Upper
73 100
57 22.3 16.6 25.0



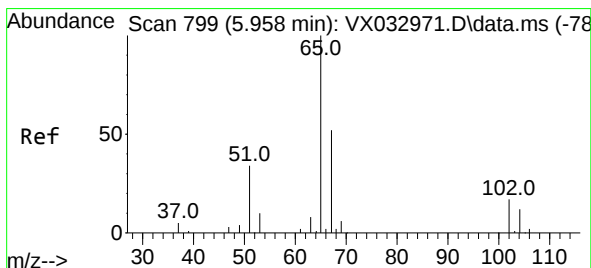
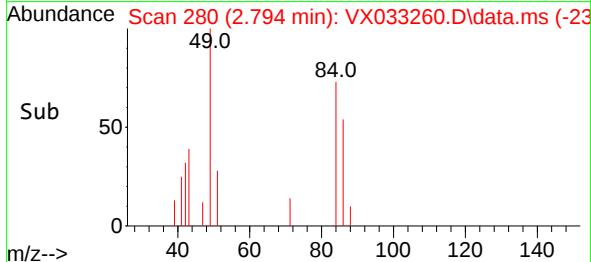
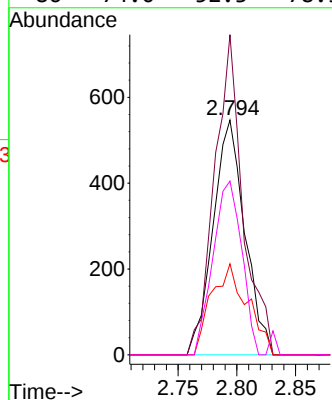
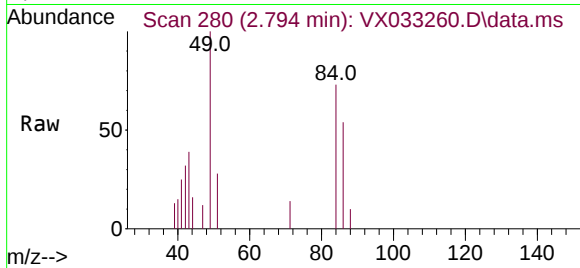


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

Tgt Ion: 84 Resp: 1030

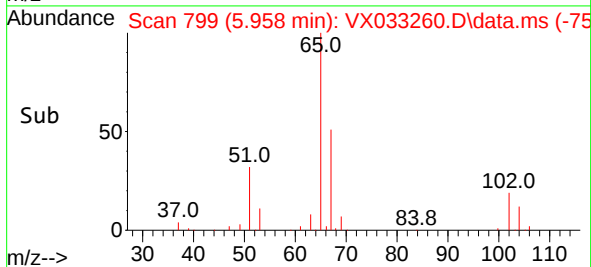
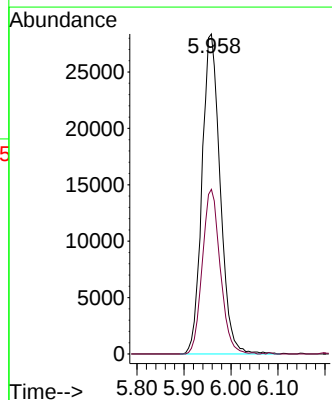
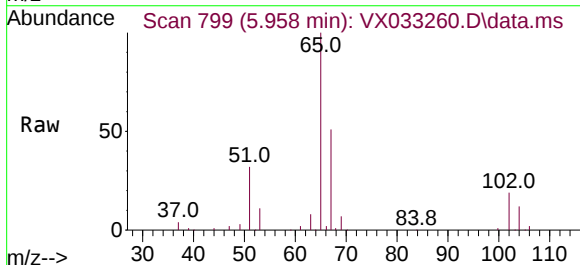
Ion	Ratio	Lower	Upper
84	100		
49	136.4	101.0	151.6
51	38.8	31.1	46.7
86	74.0	52.3	78.5

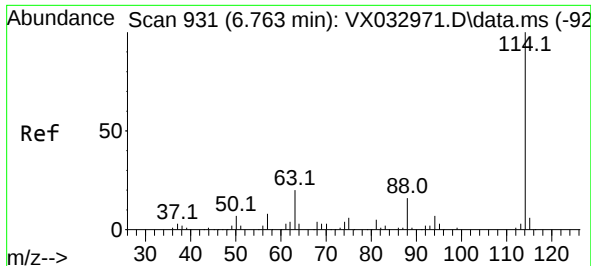


#33
1,2-Dichloroethane-d4
Concen: 54.807 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 65 Resp: 75955

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.8

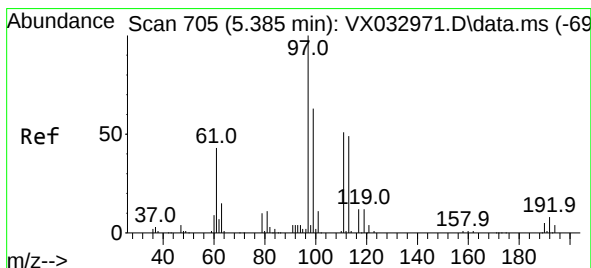
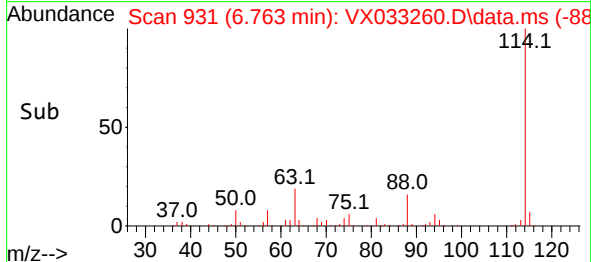
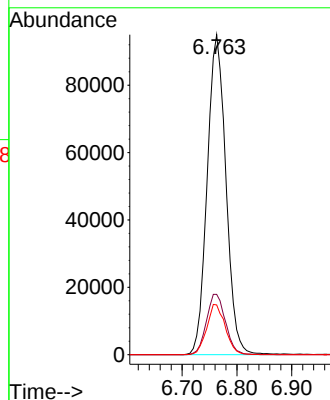
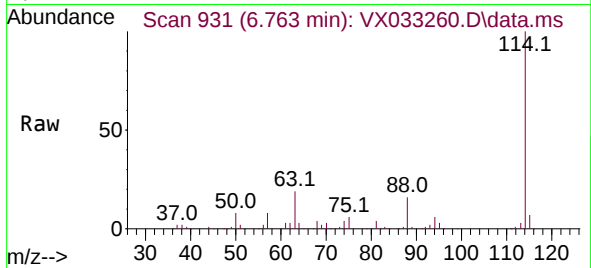




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

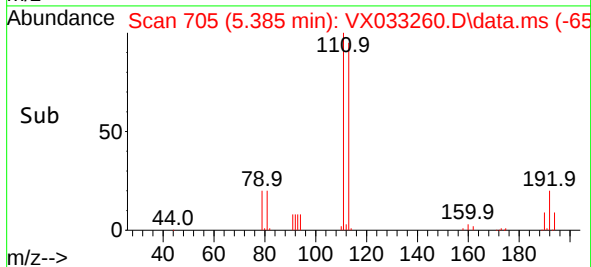
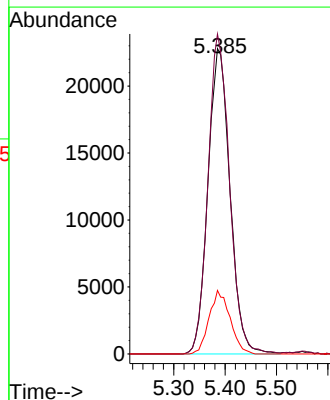
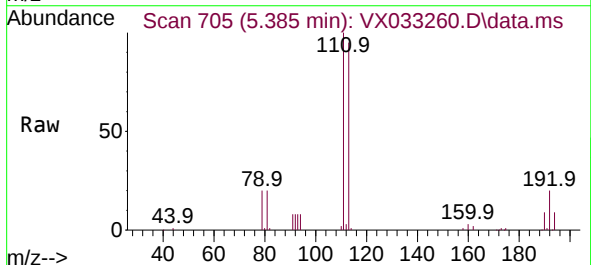
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

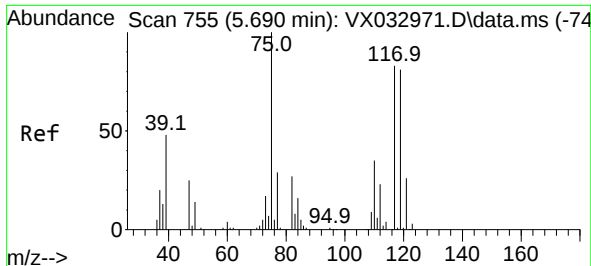
Tgt Ion:114 Resp: 225133
Ion Ratio Lower Upper
114 100
63 18.9 0.0 41.6
88 15.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 53.532 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion:113 Resp: 67944
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 19.7 15.4 23.2

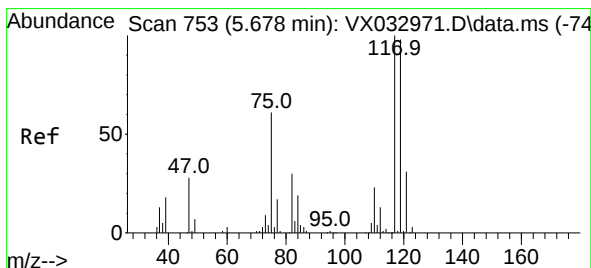
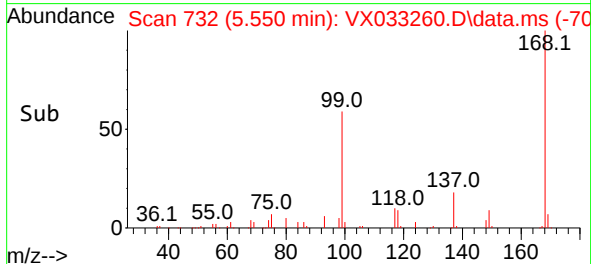
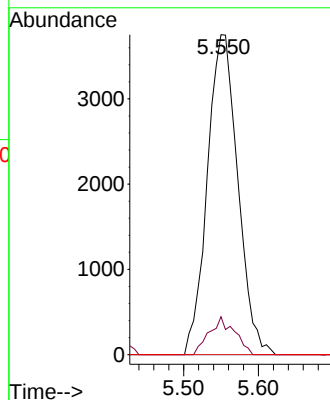
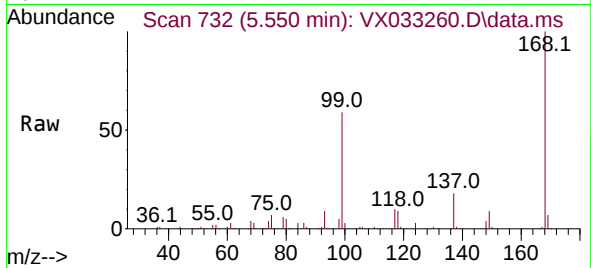




#36
1,1-Dichloropropene
Concen: 5.242 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

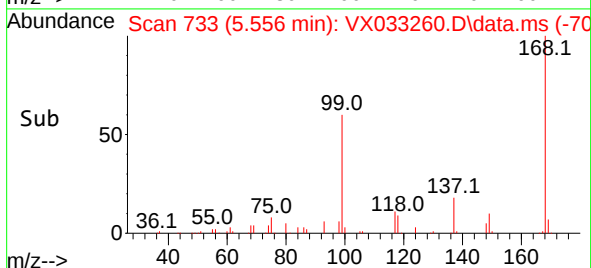
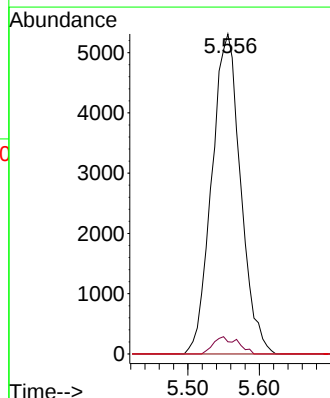
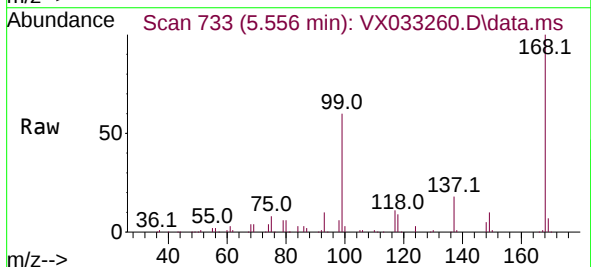
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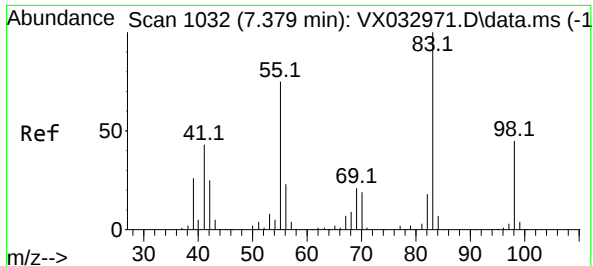
Tgt Ion: 75 Resp: 10638
Ion Ratio Lower Upper
75 100
110 9.8 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.602 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 117 Resp: 14863
Ion Ratio Lower Upper
117 100
119 3.8 77.2 115.8#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.301 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX033260.D

Acq: 06 Dec 2022 15:31

Instrument :

MSVOA_X

ClientSampleId :

MW-36DL

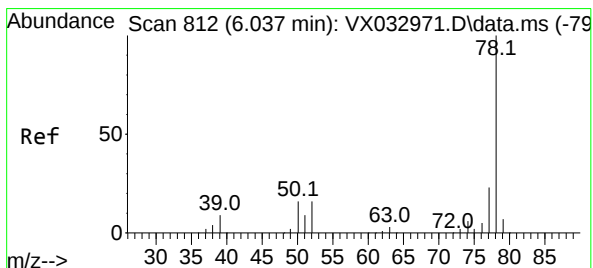
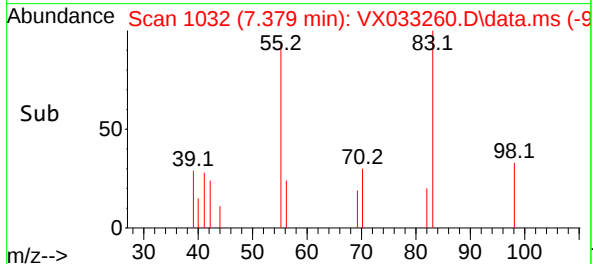
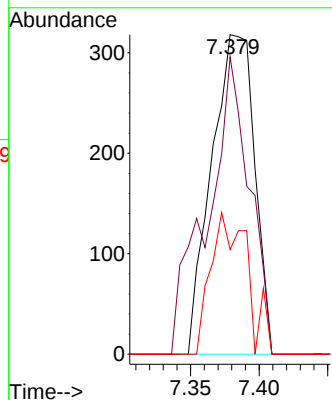
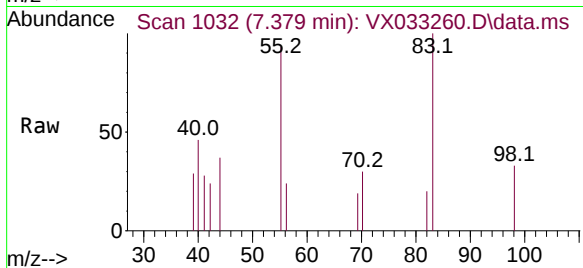
Tgt Ion: 83 Resp: 696

Ion Ratio Lower Upper

83 100

55 93.1 58.4 87.6#

98 32.7 37.2 55.8#



#40

Benzene

Concen: 0.351 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.001 min

Lab File: VX033260.D

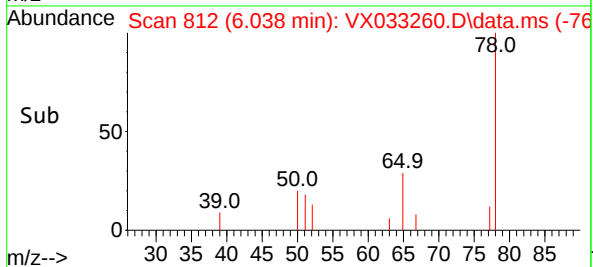
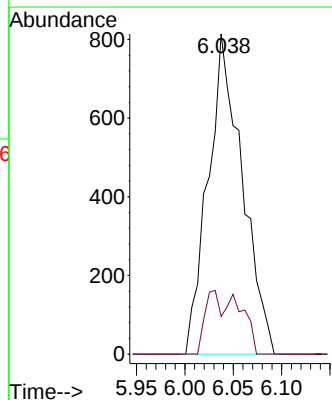
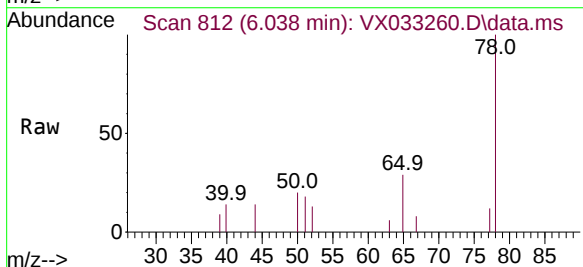
Acq: 06 Dec 2022 15:31

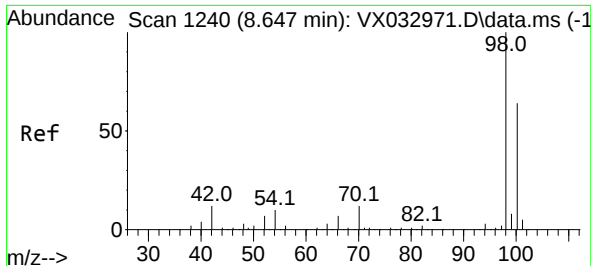
Tgt Ion: 78 Resp: 1995

Ion Ratio Lower Upper

78 100

77 11.8 19.0 28.4#





#50

Toluene-d8

Concen: 49.059 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033260.D

Acq: 06 Dec 2022 15:31

Instrument :

MSVOA_X

ClientSampleId :

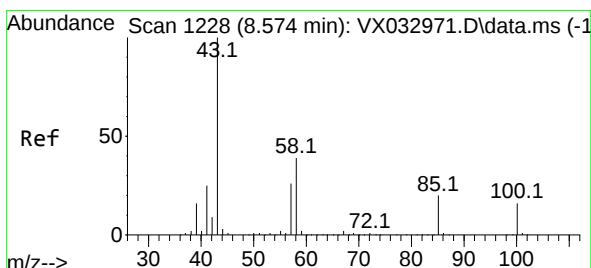
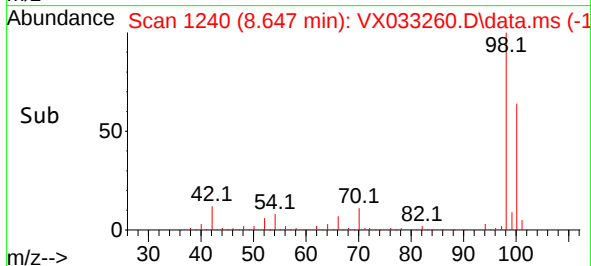
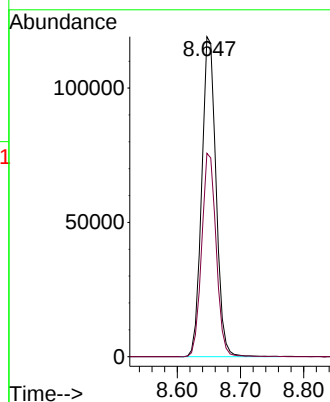
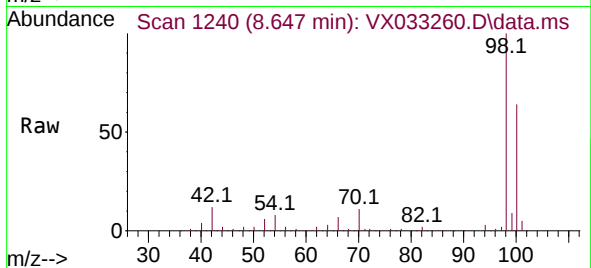
MW-36DL

Tgt Ion: 98 Resp: 187502

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.444 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX033260.D

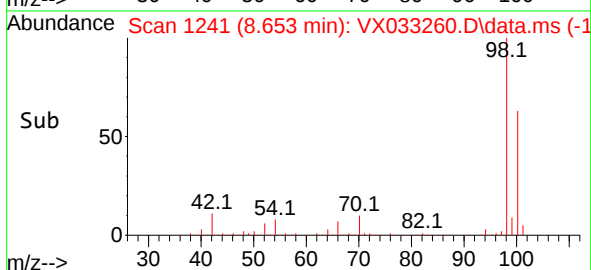
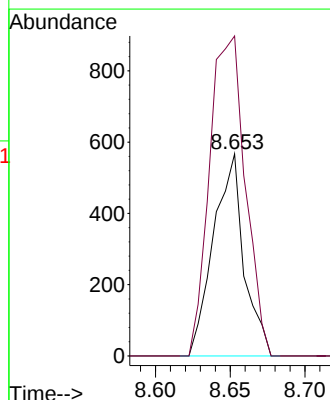
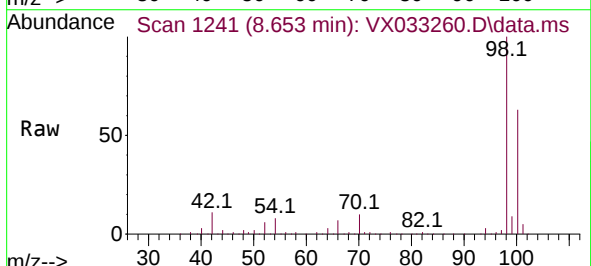
Acq: 06 Dec 2022 15:31

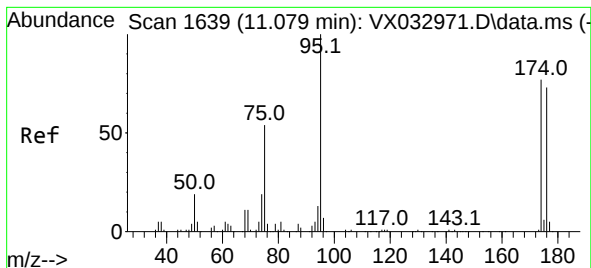
Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

58 186.1 30.9 46.3#

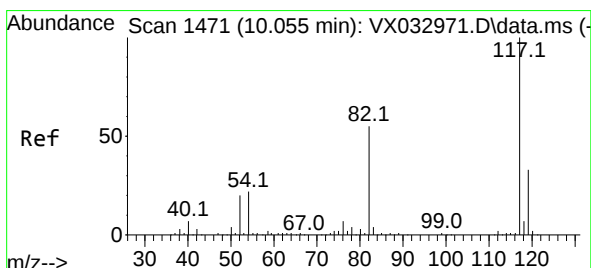
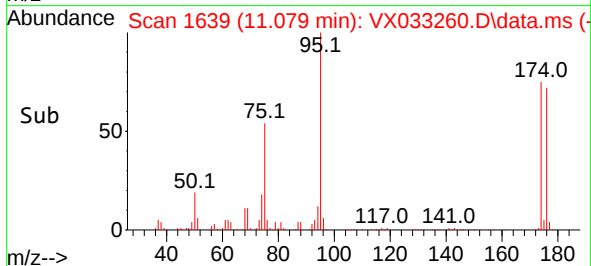
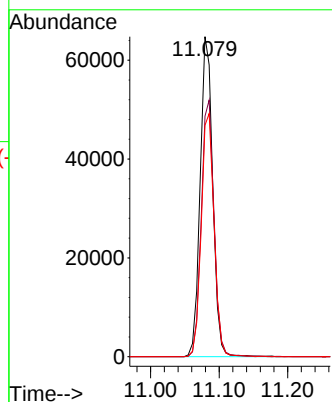
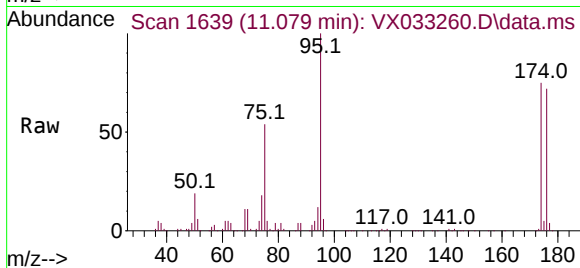




#62
4-Bromofluorobenzene
Concen: 49.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

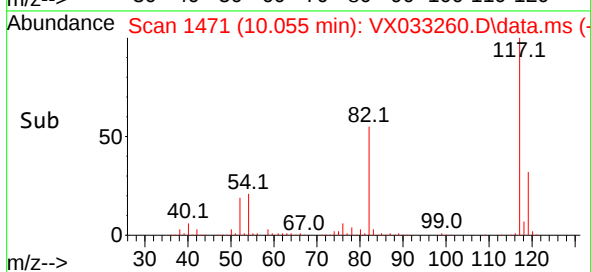
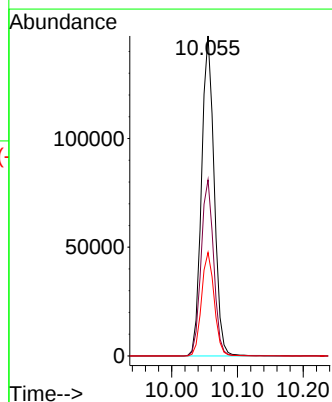
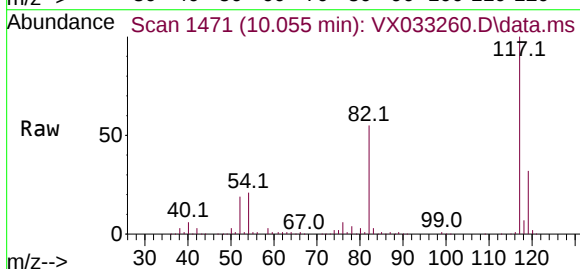
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

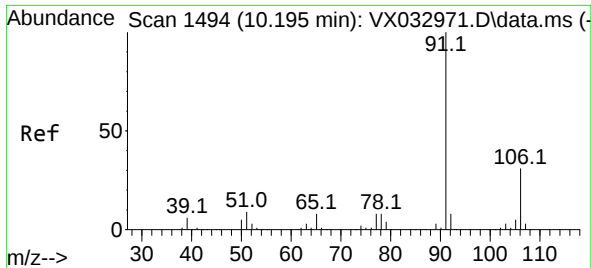
Tgt Ion: 95 Resp: 82601
Ion Ratio Lower Upper
95 100
174 81.5 0.0 164.0
176 77.8 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 117 Resp: 196898
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 32.4 25.7 38.5

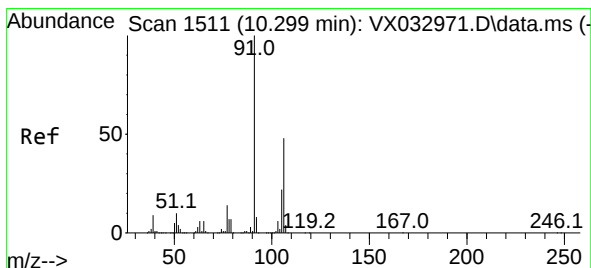
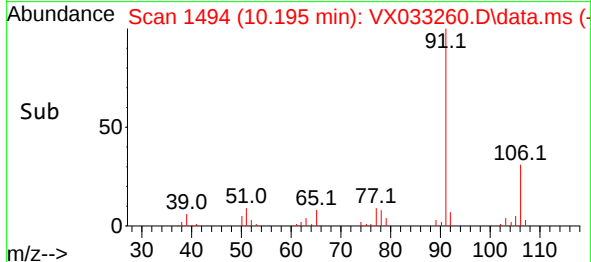
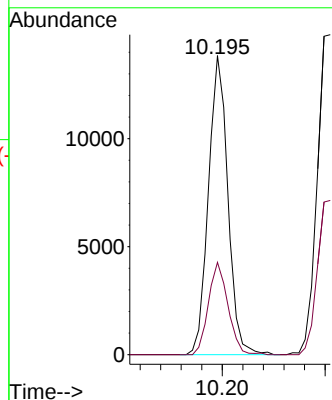
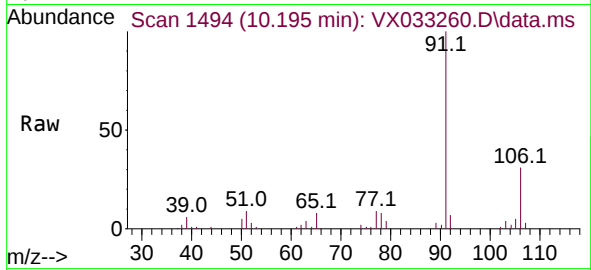




#67
Ethyl Benzene
Concen: 2.609 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

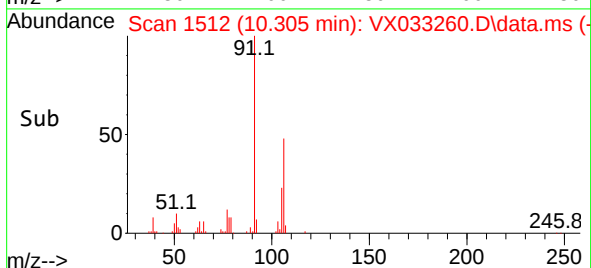
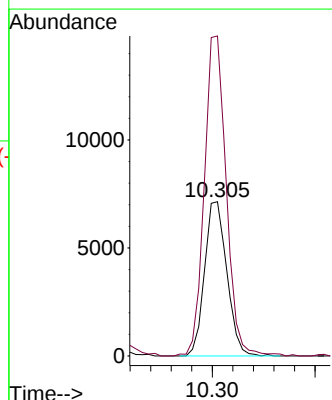
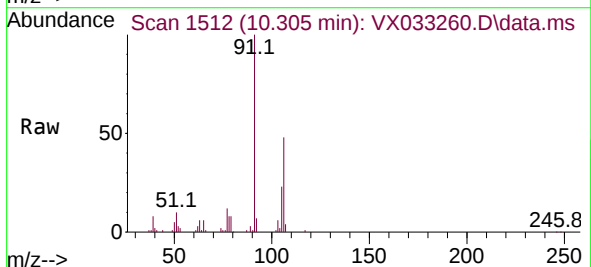
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

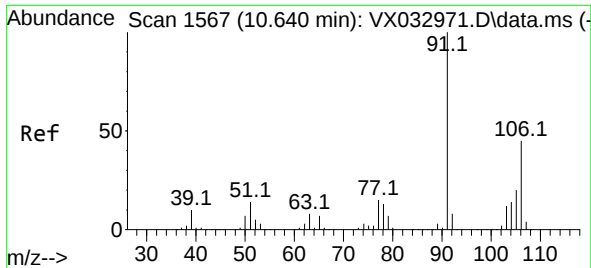
Tgt Ion: 91 Resp: 18171
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6



#68
m/p-Xylenes
Concen: 3.947 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 106 Resp: 10763
Ion Ratio Lower Upper
106 100
91 204.1 164.5 246.7

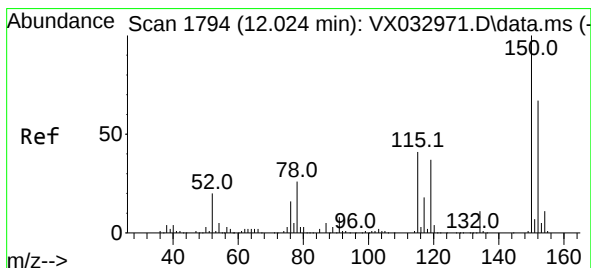
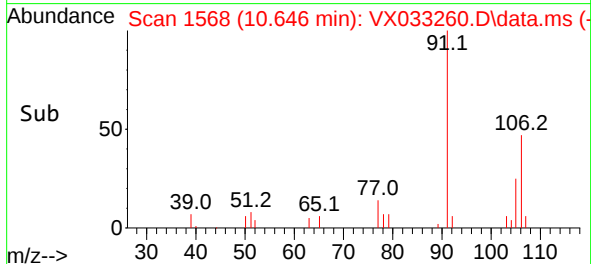
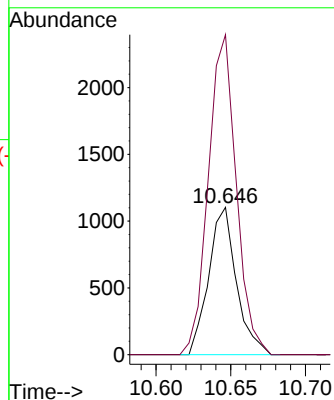
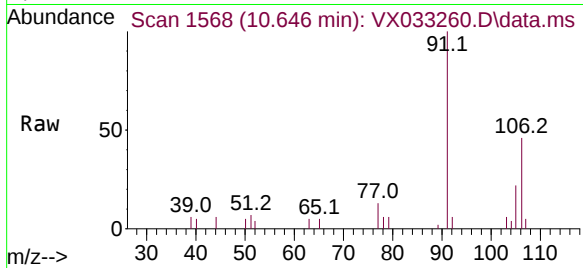




#69
o-Xylene
Concen: 0.540 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

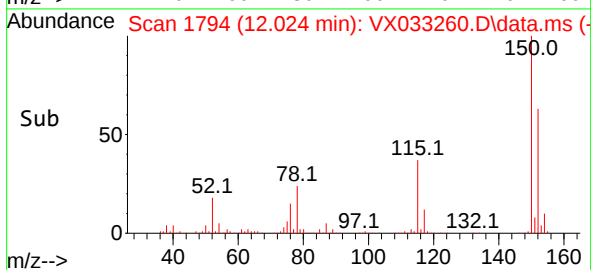
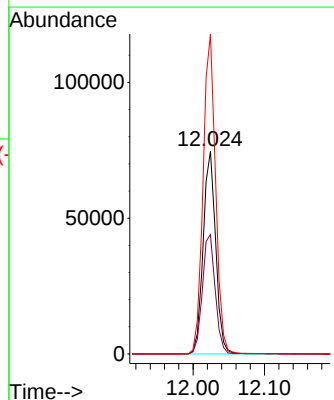
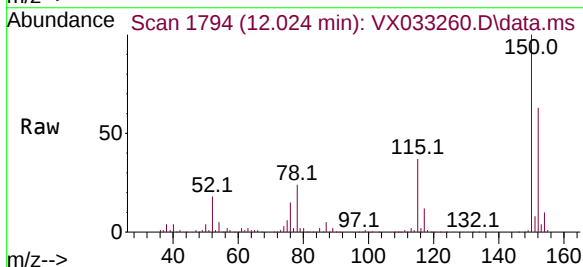
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

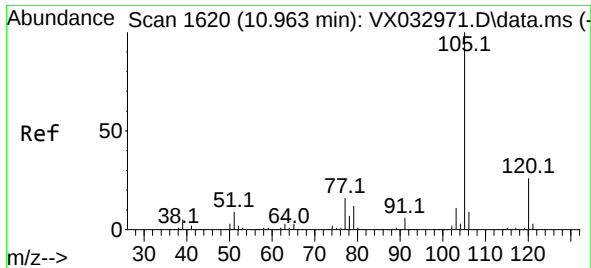
Tgt Ion:106 Resp: 1424
Ion Ratio Lower Upper
106 100
91 218.9 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion:152 Resp: 90857
Ion Ratio Lower Upper
152 100
115 60.6 44.0 132.0
150 157.1 0.0 351.8

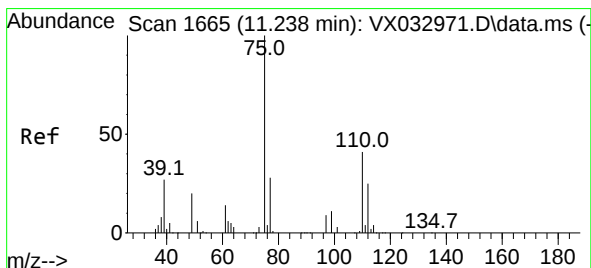
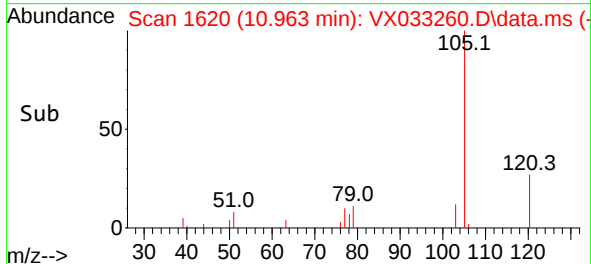
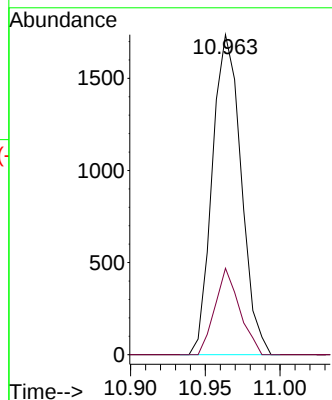
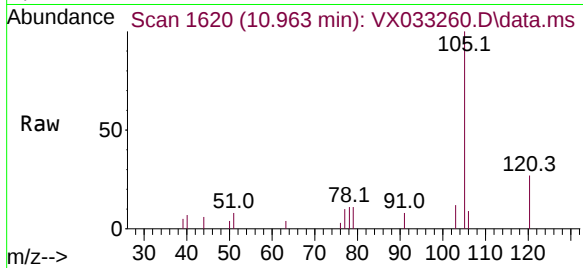




#73
Isopropylbenzene
Concen: 0.359 ug/l
RT: 10.963 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

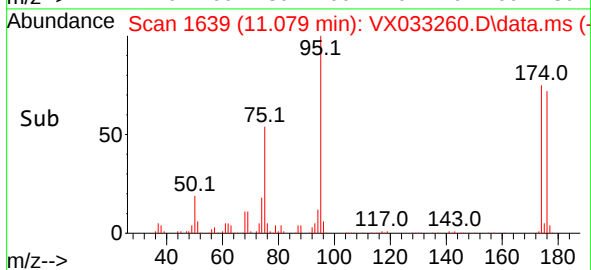
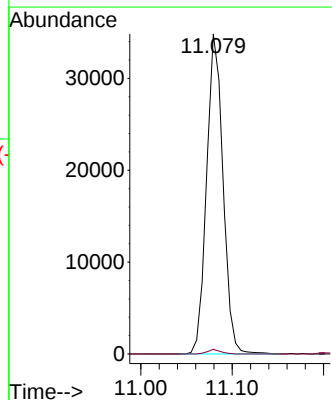
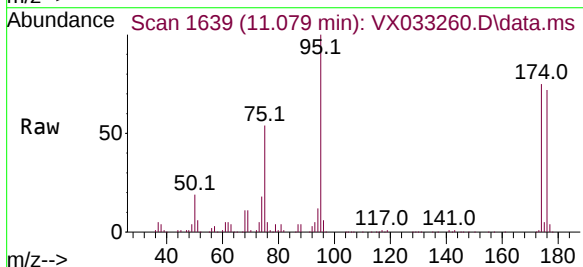
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

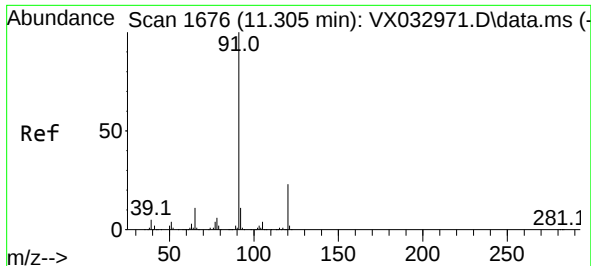
Tgt Ion:105 Resp: 2333
Ion Ratio Lower Upper
105 100
120 23.0 13.1 39.3



#76
1,2,3-Trichloropropane
Concen: 25.222 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 75 Resp: 43400
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#

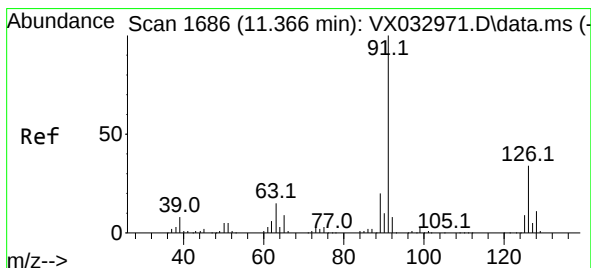
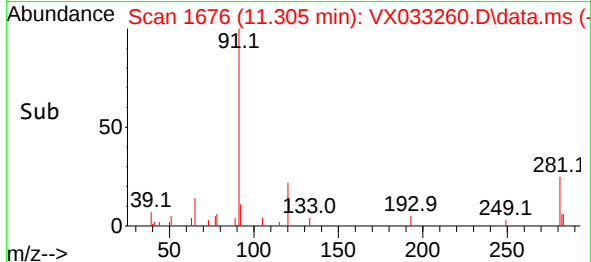
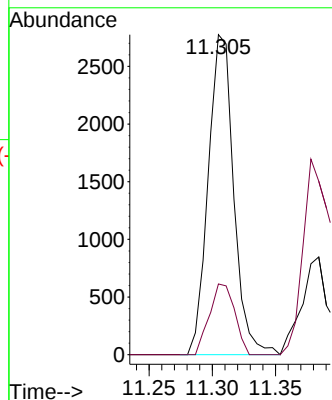
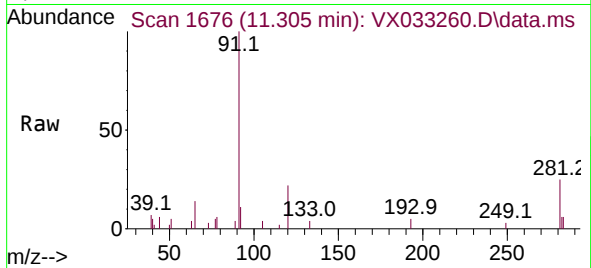




#78
n-propylbenzene
Concen: 0.524 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

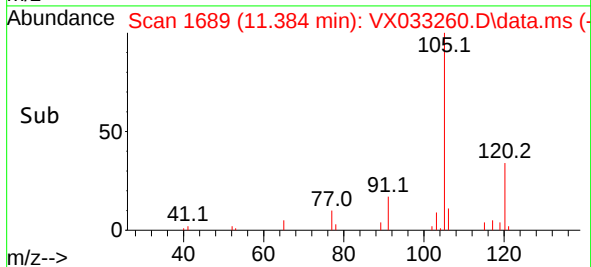
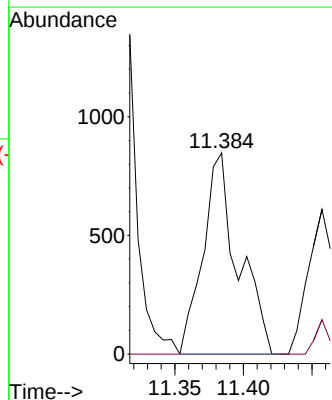
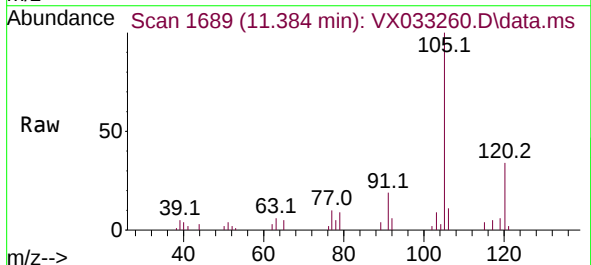
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

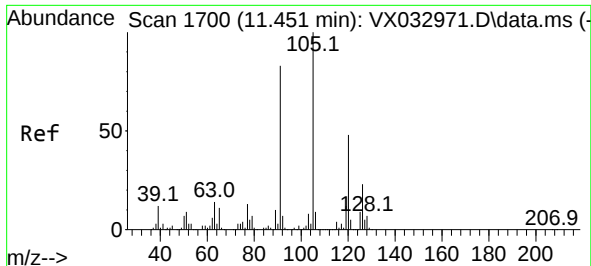
Tgt Ion: 91 Resp: 3893
Ion Ratio Lower Upper
91 100
120 21.9 11.6 34.8



#79
2-Chlorotoluene
Concen: 0.335 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.018 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 91 Resp: 1511
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

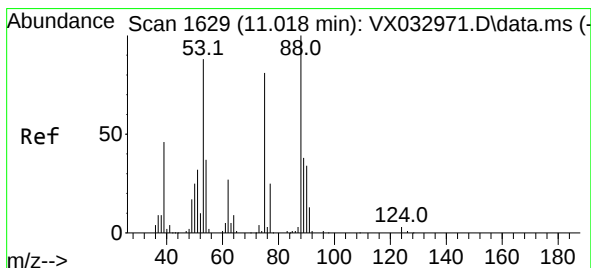
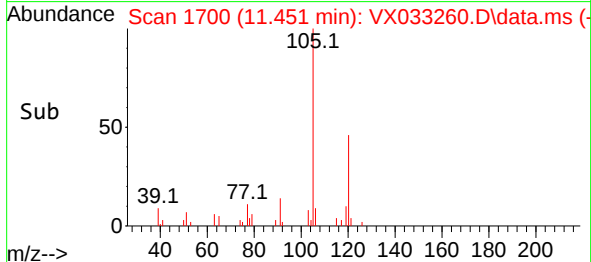
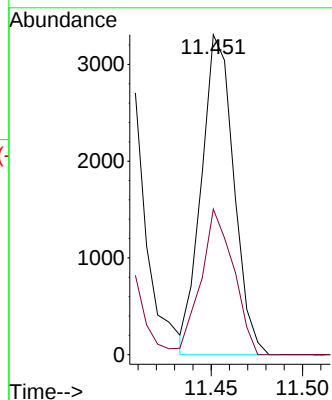
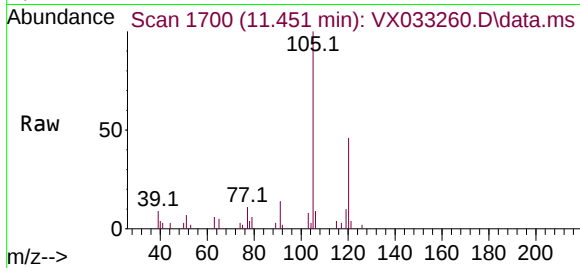




#80
 1,3,5-Trimethylbenzene
 Concen: 0.747 ug/l
 RT: 11.451 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033260.D
 Acq: 06 Dec 2022 15:31

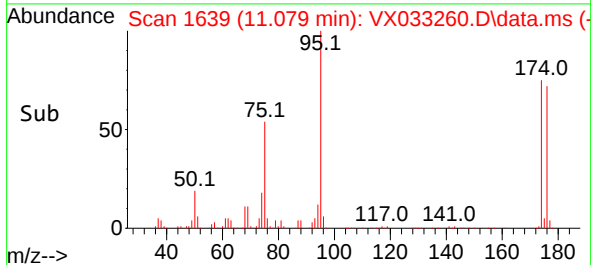
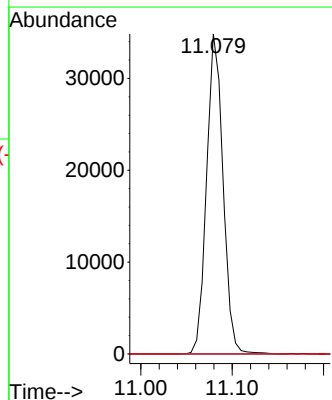
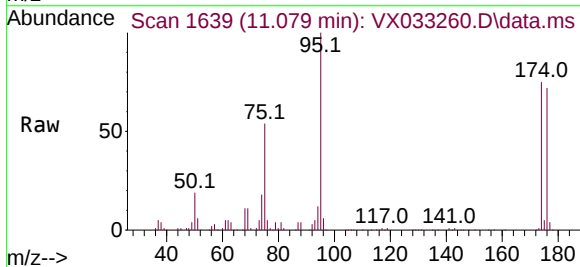
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-36DL

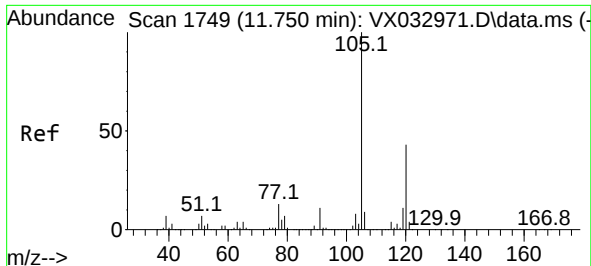
Tgt Ion:105 Resp: 4073
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.6 71.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.985 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX033260.D
 Acq: 06 Dec 2022 15:31

Tgt Ion: 75 Resp: 43400
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

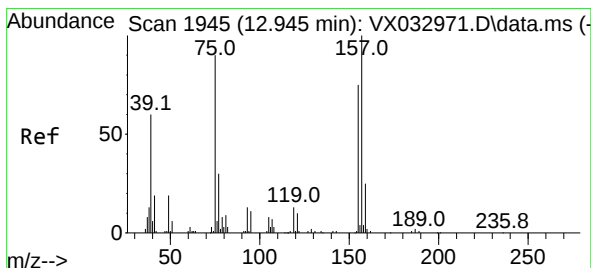
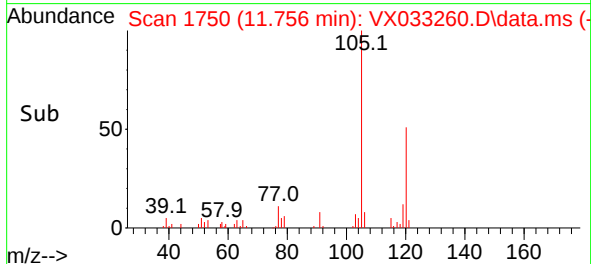
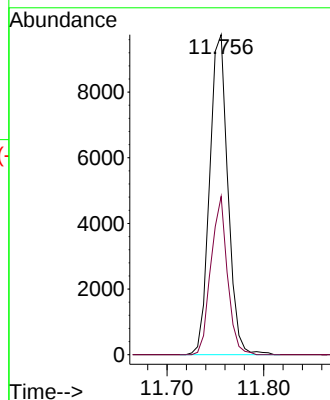
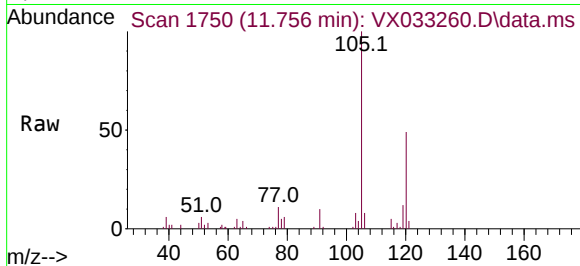




#84
1,2,4-Trimethylbenzene
Concen: 2.343 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

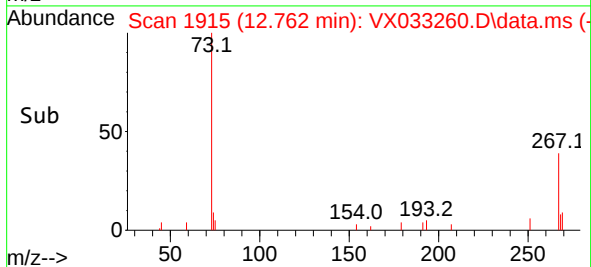
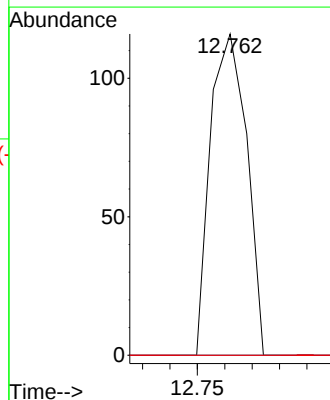
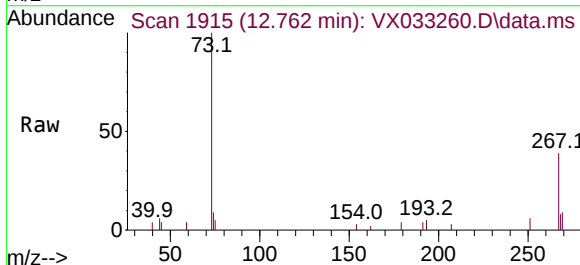
Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

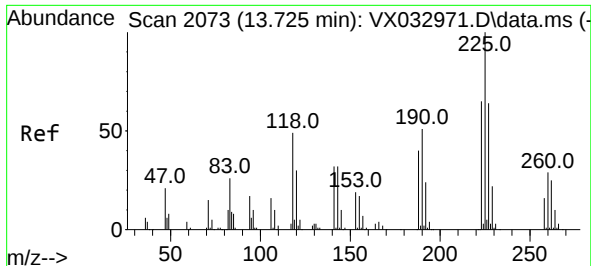
Tgt Ion:105 Resp: 12741
Ion Ratio Lower Upper
105 100
120 44.7 21.9 65.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.274 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.183 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion: 75 Resp: 107
Ion Ratio Lower Upper
75 100
155 0.0 41.6 124.8#
157 0.0 54.1 162.4#

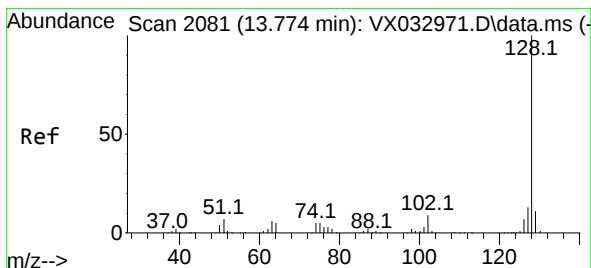
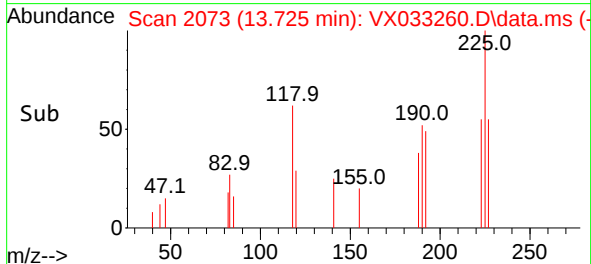
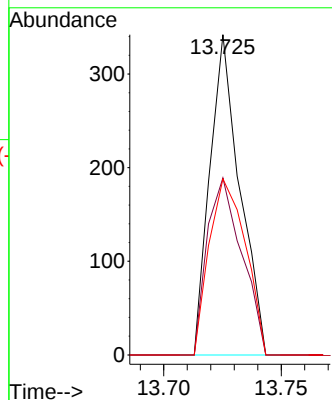
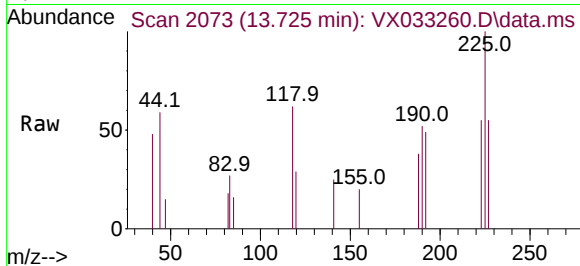




#94
Hexachlorobutadiene
Concen: 0.382 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Instrument :
MSVOA_X
ClientSampleId :
MW-36DL

Tgt Ion:	225	Resp:	303
Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.9
227	66.7	31.9	95.5



#95
Naphthalene
Concen: 0.272 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX033260.D
Acq: 06 Dec 2022 15:31

Tgt Ion:	128	Resp:	1582
Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.2	15.4#
129	9.4	8.9	13.3

