

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
 Data File : VX033076.D
 Acq On : 25 Nov 2022 18:23
 Operator : JC/MD
 Sample : N5747-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38I

Quant Time: Nov 28 00:50:30 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)

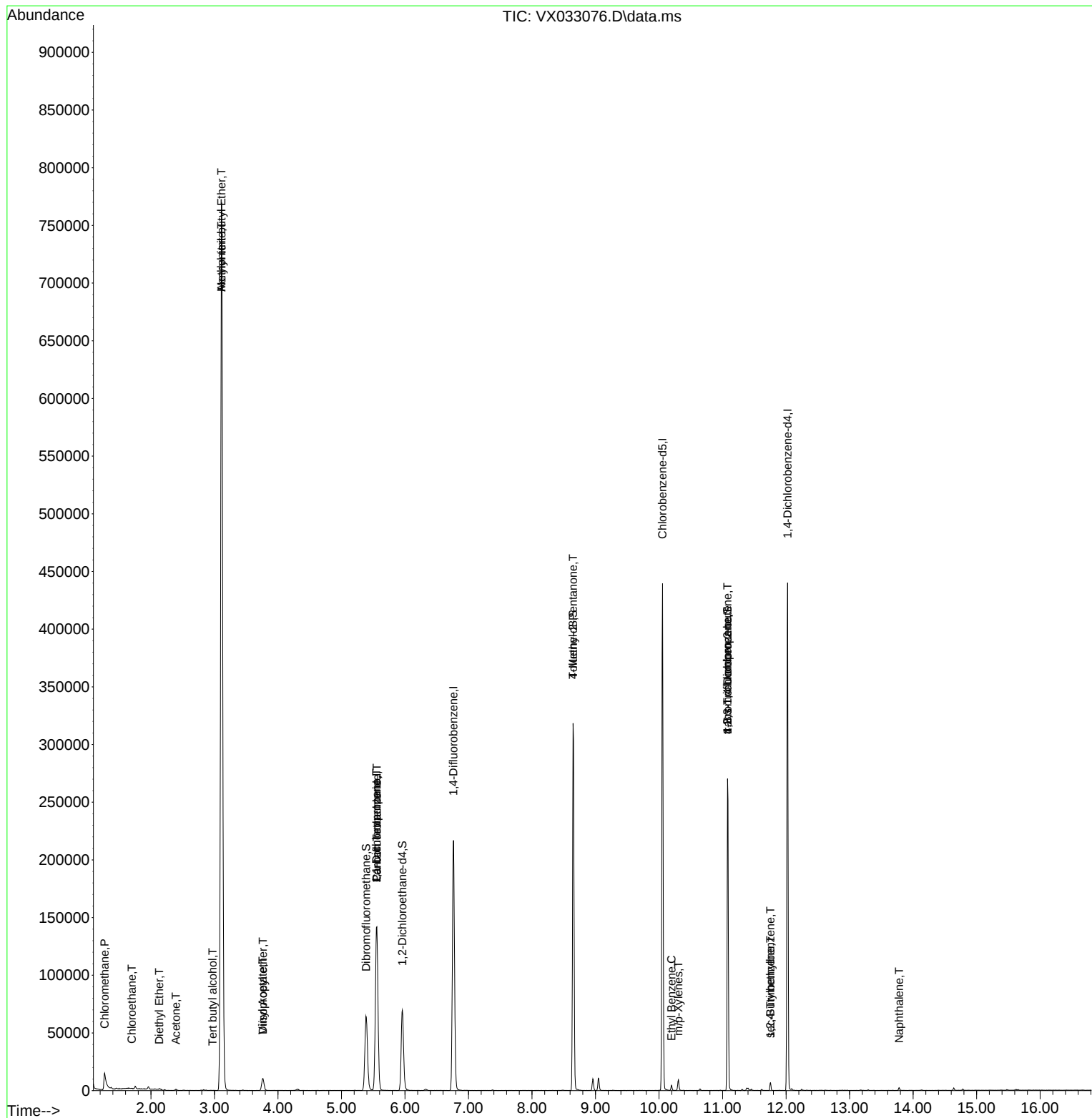
Internal Standards						
1) Pentafluorobenzene	5.556	168	135811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219556	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71287	53.966	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.940%
35) Dibromofluoromethane	5.385	113	56449	45.605	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.220%
50) Toluene-d8	8.647	98	189629	50.959	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.920%
62) 4-Bromofluorobenzene	11.079	95	69289	42.615	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.220%
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	589	0.526	ug/l #	43
6) Chloroethane	1.697	64	207	0.204	ug/l	95
8) Diethyl Ether	2.130	74	157	0.206	ug/l	75
11) Tert butyl alcohol	2.971	59	142	0.677	ug/l #	72
15) Acrylonitrile	3.111	53	9185	15.489	ug/l #	29
16) Acetone	2.392	43	1373	2.223	ug/l #	86
19) Methyl tert-butyl Ether	3.111	73	837498	203.756	ug/l	100
20) Methylene Chloride	2.788	84	42	Below Cal	#	43
22) Diisopropyl ether	3.763	45	10931	2.624	ug/l #	85
23) Vinyl Acetate	3.757	43	5998	1.839	ug/l #	72
36) 1,1-Dichloropropene	5.550	75	10588	5.350	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14265	6.497	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	835	0.474	ug/l #	1
67) Ethyl Benzene	10.195	91	2649	0.389	ug/l	96
68) m/p-Xylenes	10.305	106	2452	0.919	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	37330	21.986	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37330	71.465	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	3502	0.653	ug/l	93
85) sec-Butylbenzene	11.756	105	3502	0.546	ug/l #	57
95) Naphthalene	13.780	128	2029	0.354	ug/l	96

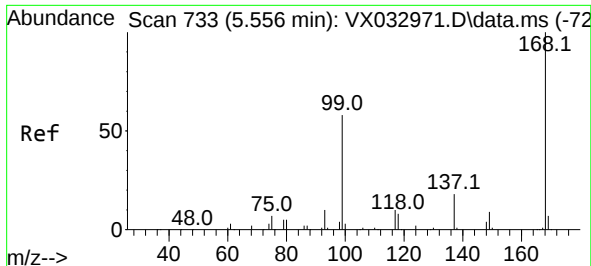
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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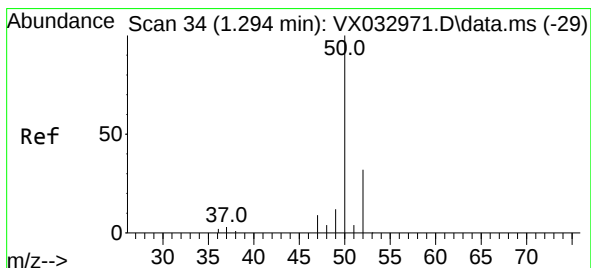
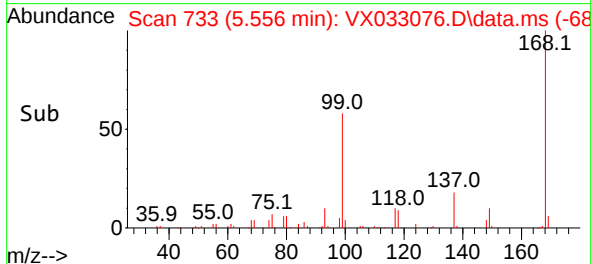
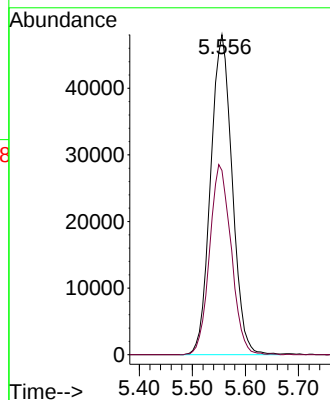
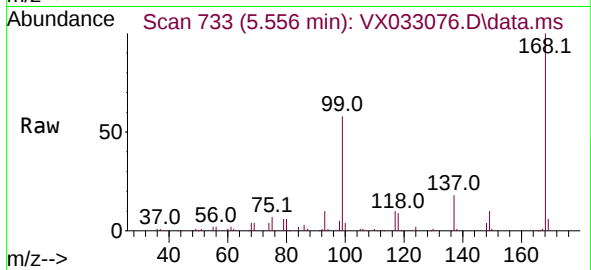




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

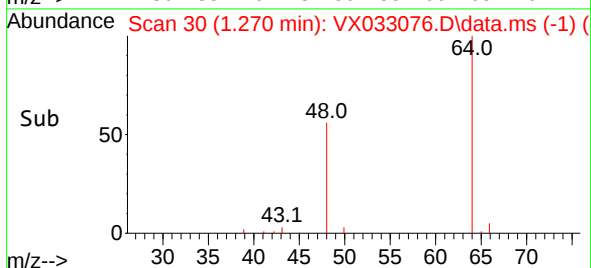
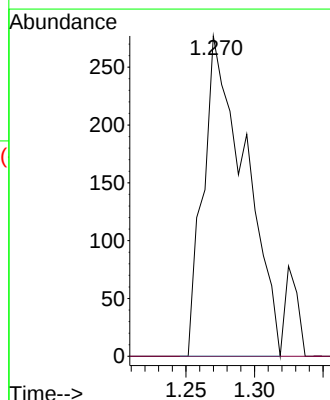
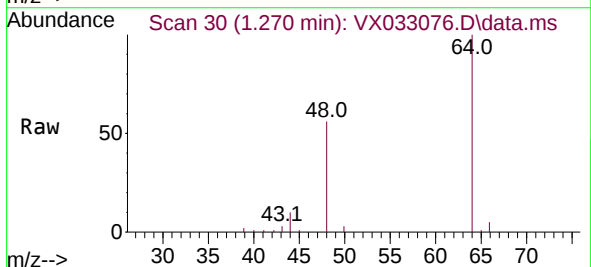
Instrument :
MSVOA_X
ClientSampleId :
MW-38I

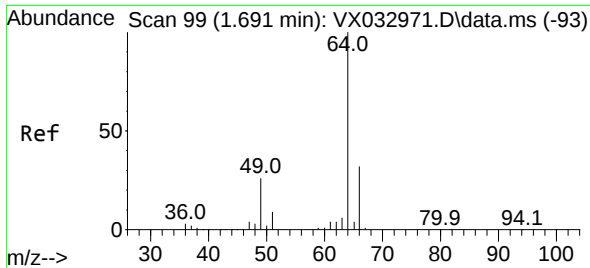
Tgt Ion:168 Resp: 135811
Ion Ratio Lower Upper
168 100
99 57.6 46.1 69.1



#3
Chloromethane
Concen: 0.526 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion: 50 Resp: 589
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

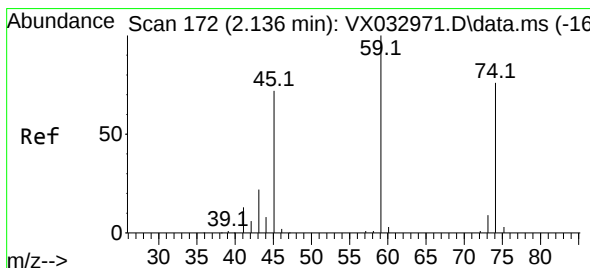
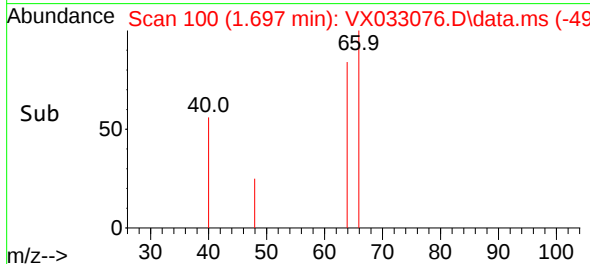
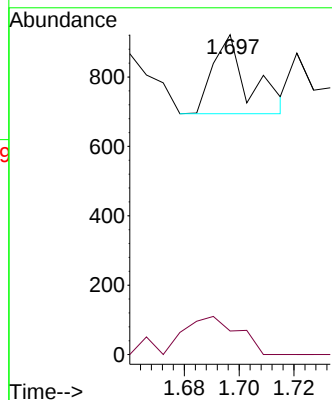
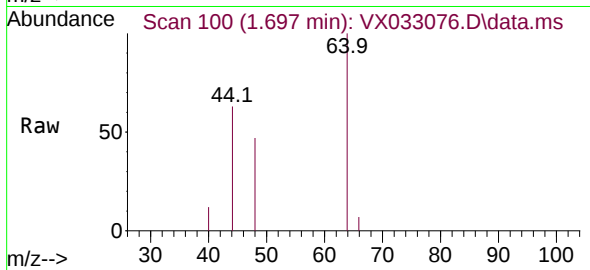




#6
Chloroethane
Concen: 0.204 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

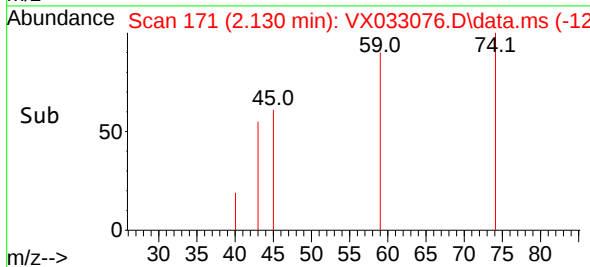
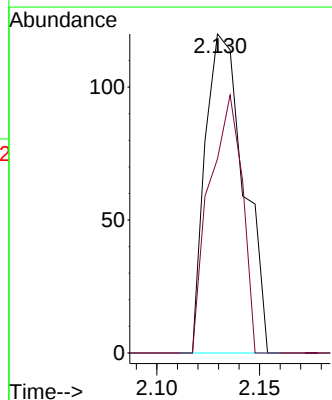
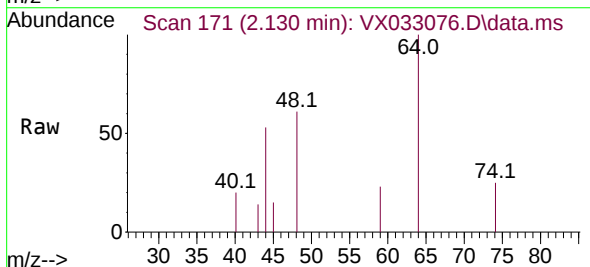
Instrument :
MSVOA_X
ClientSampleId :
MW-38I

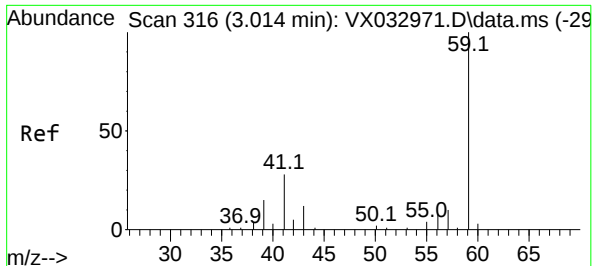
Tgt Ion: 64 Resp: 207
Ion Ratio Lower Upper
64 100
66 29.8 26.0 39.0



#8
Diethyl Ether
Concen: 0.206 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion: 74 Resp: 157
Ion Ratio Lower Upper
74 100
45 68.8 46.6 139.7





#11

Tert butyl alcohol

Concen: 0.677 ug/l

RT: 2.971 min Scan# 309

Delta R.T. 0.006 min

Lab File: VX033076.D

Acq: 25 Nov 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

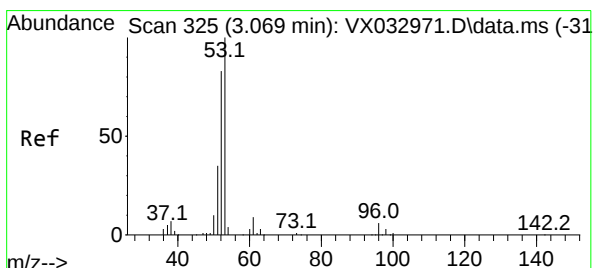
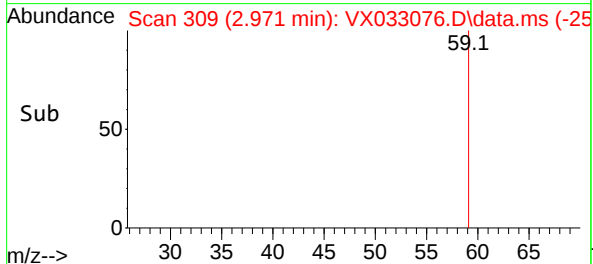
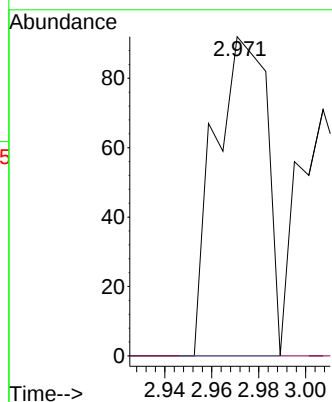
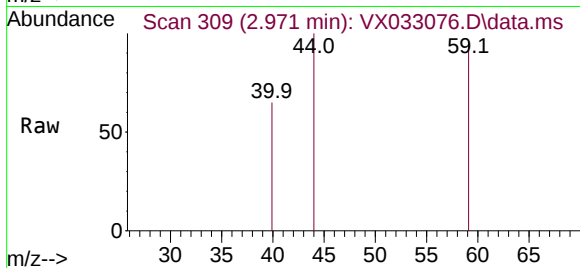
MW-38I

Tgt Ion: 59 Resp: 142

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#15

Acrylonitrile

Concen: 15.489 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.049 min

Lab File: VX033076.D

Acq: 25 Nov 2022 18:23

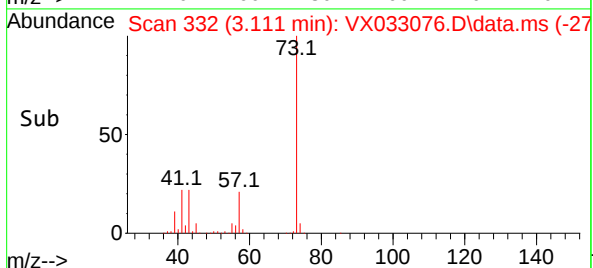
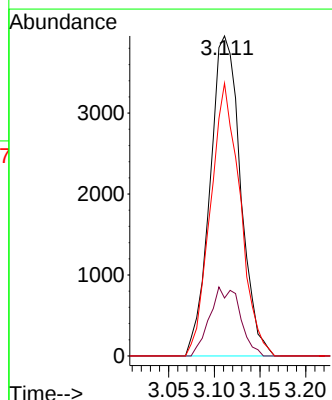
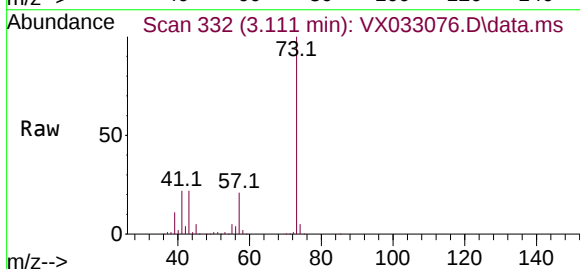
Tgt Ion: 53 Resp: 9185

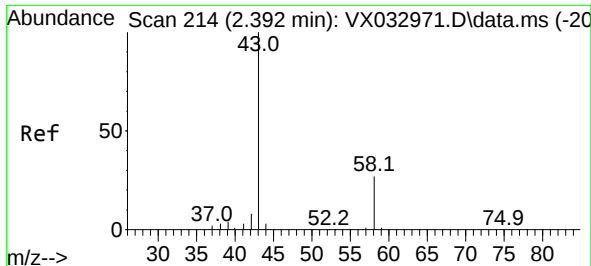
Ion Ratio Lower Upper

53 100

52 21.4 67.4 101.0#

51 82.7 30.3 45.5#

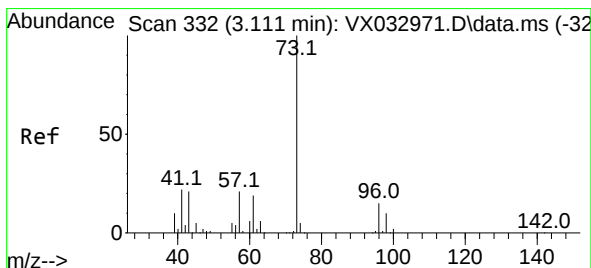
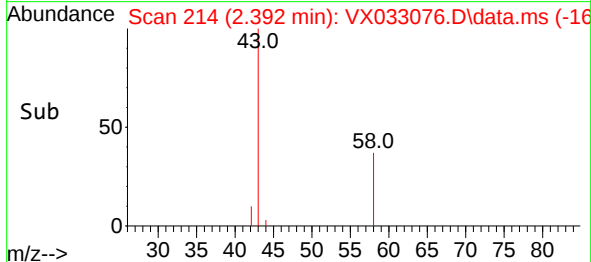
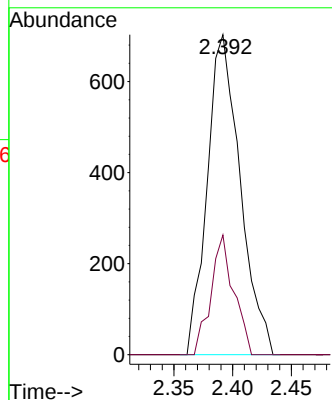
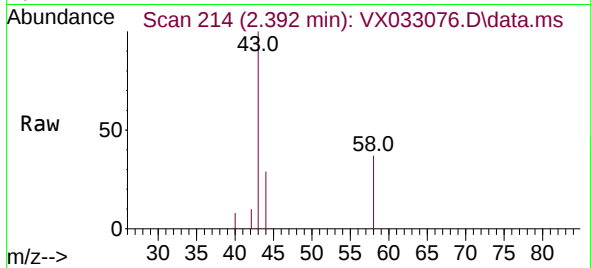




#16
Acetone
Concen: 2.223 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

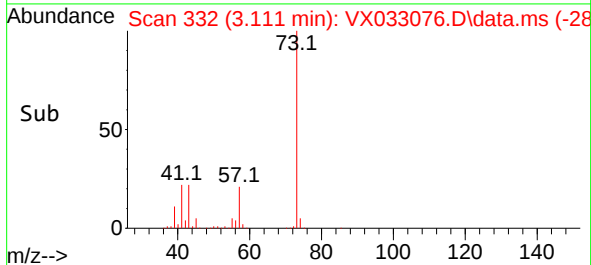
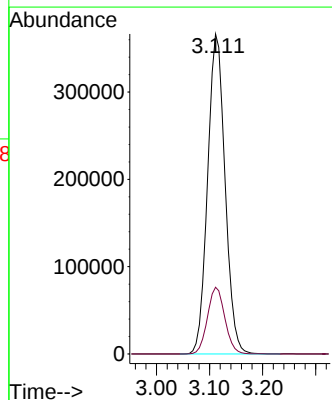
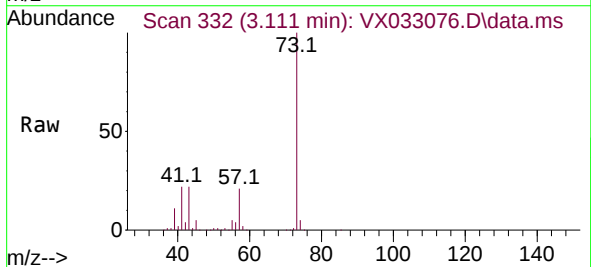
Instrument :
MSVOA_X
ClientSampleId :
MW-38I

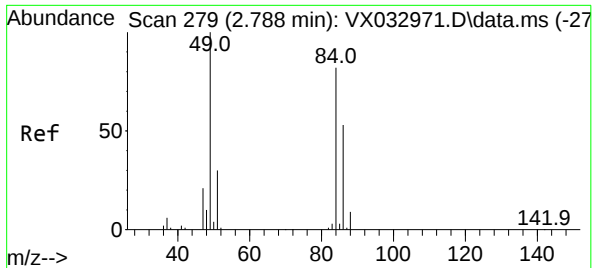
Tgt Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
58 37.4 23.8 35.8#



#19
Methyl tert-butyl Ether
Concen: 203.756 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion: 73 Resp: 837498
Ion Ratio Lower Upper
73 100
57 20.9 16.6 25.0



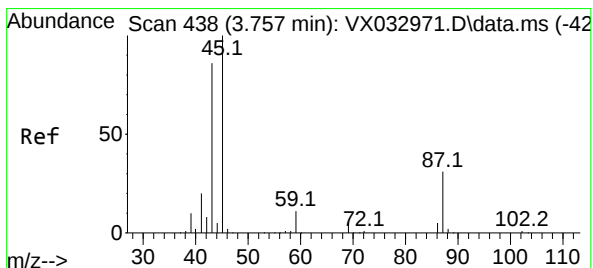
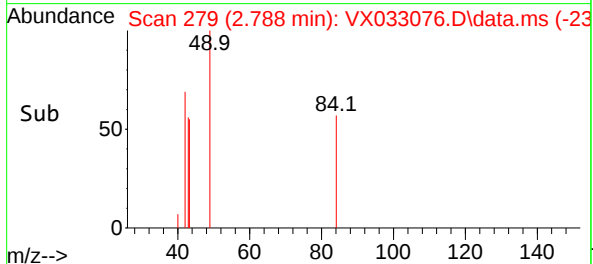
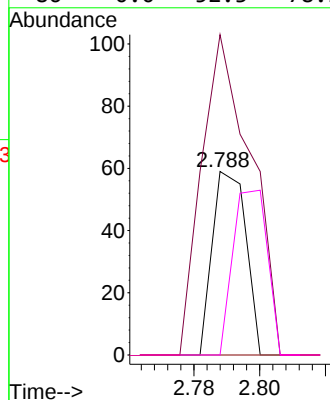
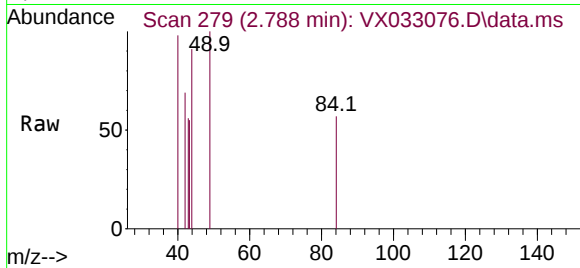


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
MW-38I

Tgt Ion: 84 Resp: 42

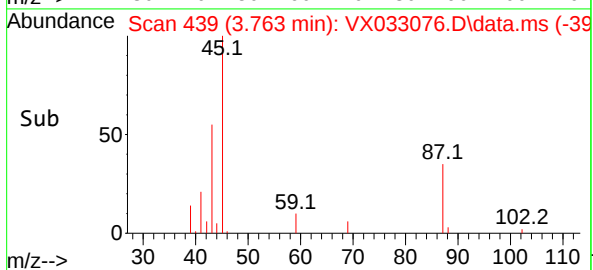
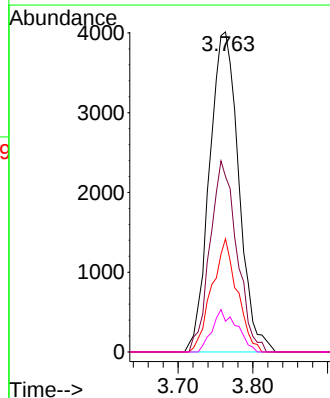
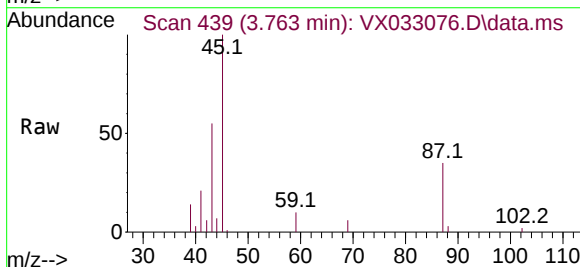
Ion	Ratio	Lower	Upper
84	100		
49	174.6	101.0	151.6#
51	0.0	31.1	46.7#
86	0.0	52.3	78.5#

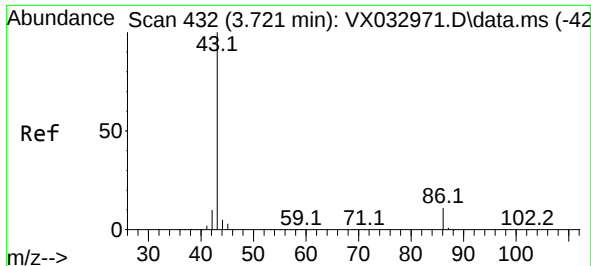


#22
Diisopropyl ether
Concen: 2.624 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion: 45 Resp: 10931

Ion	Ratio	Lower	Upper
45	100		
43	54.9	56.4	84.6#
87	35.4	24.4	36.6
59	9.6	9.5	14.3

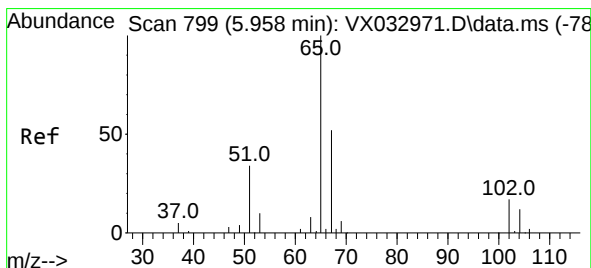
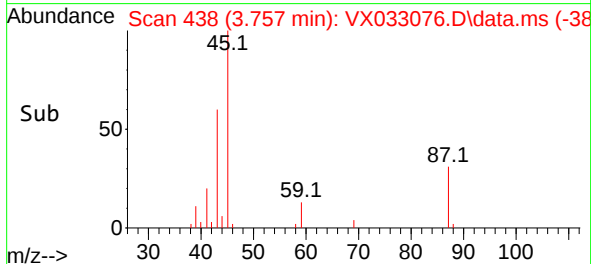
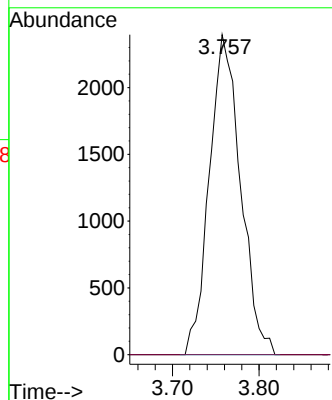
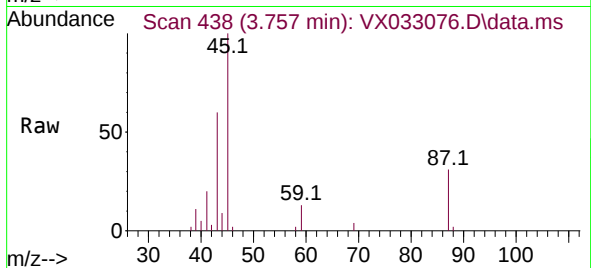




#23
 Vinyl Acetate
 Concen: 1.839 ug/l
 RT: 3.757 min Scan# 41
 Delta R.T. 0.036 min
 Lab File: VX033076.D
 Acq: 25 Nov 2022 18:23

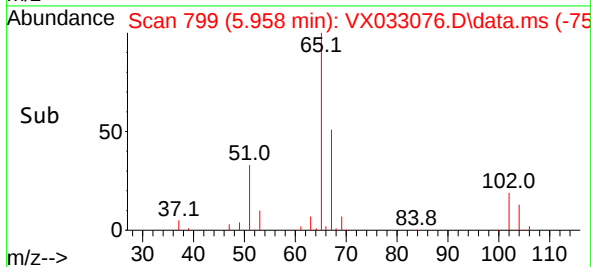
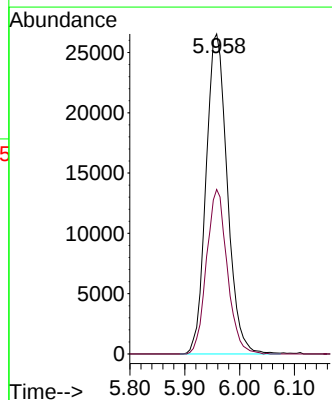
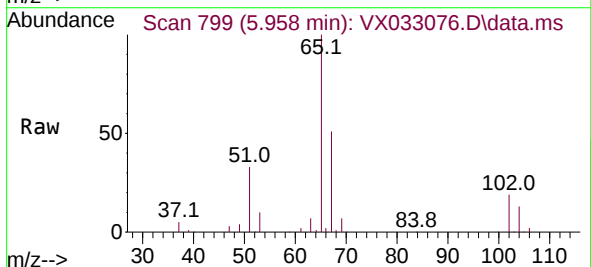
Instrument :
 MSVOA_X
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 MW-38I

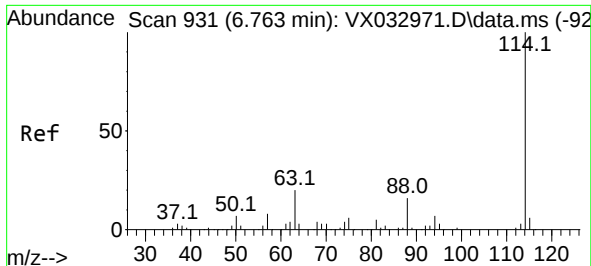
Tgt Ion: 43 Resp: 5998
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#33
 1,2-Dichloroethane-d4
 Concen: 53.966 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX033076.D
 Acq: 25 Nov 2022 18:23

Tgt Ion: 65 Resp: 71287
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.8

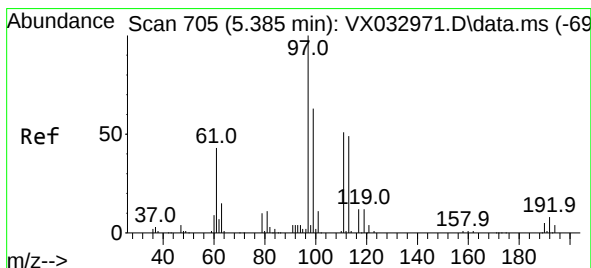
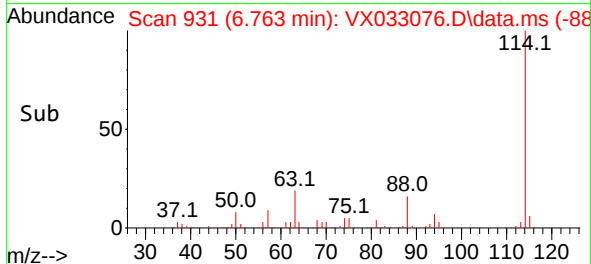
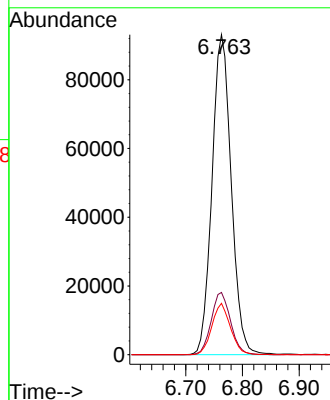
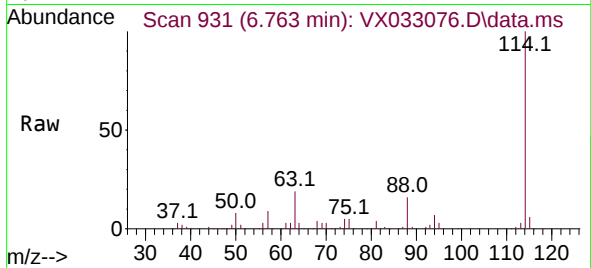




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

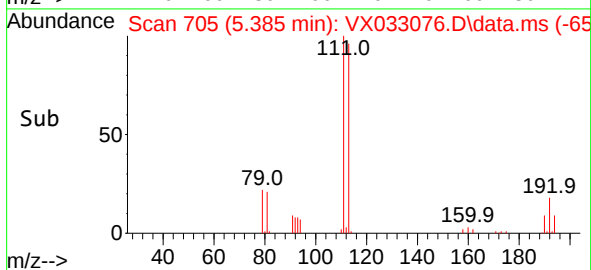
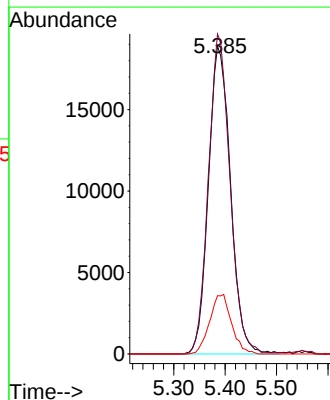
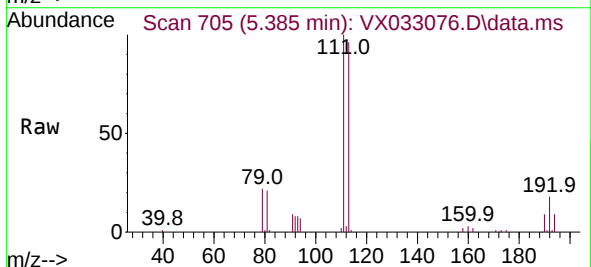
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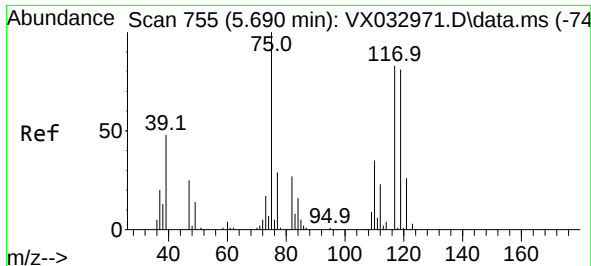
Tgt Ion:114 Resp: 219556
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.6
88 16.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.605 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion:113 Resp: 56449
Ion Ratio Lower Upper
113 100
111 101.4 82.4 123.6
192 19.1 15.4 23.2

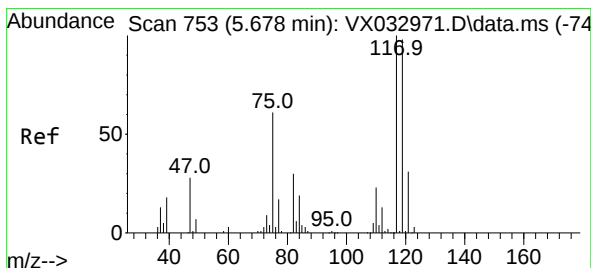
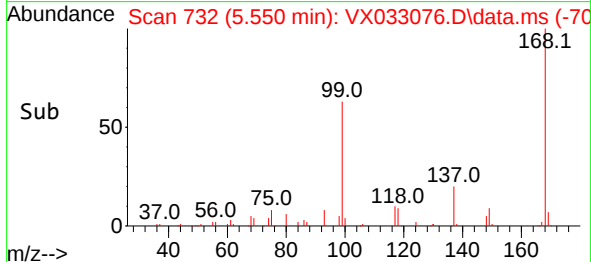
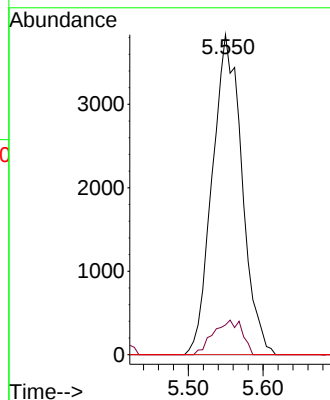
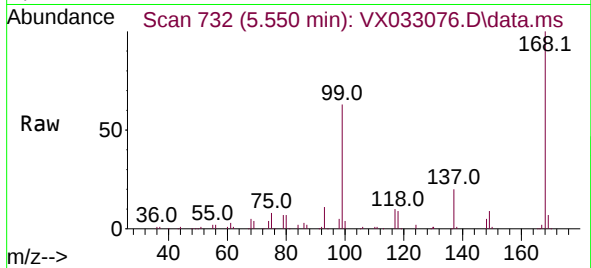




#36
1,1-Dichloropropene
Concen: 5.350 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

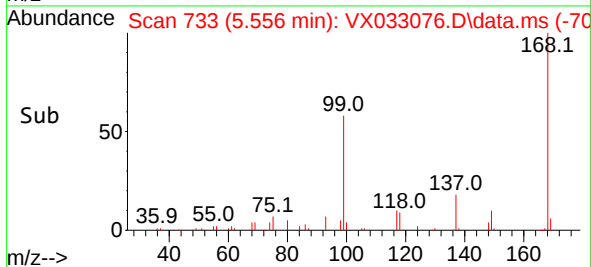
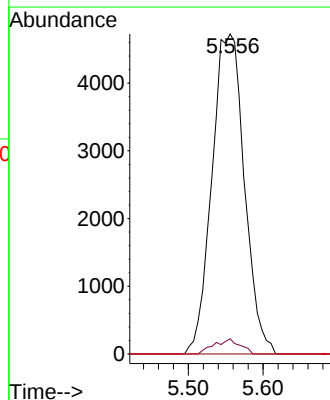
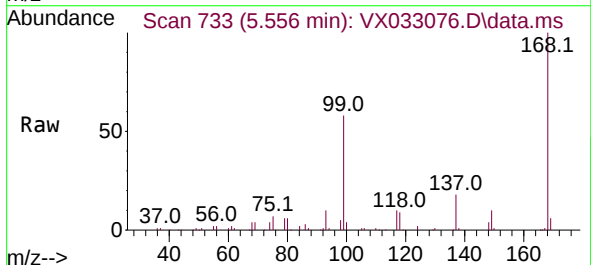
Instrument :
MSVOA_X
ClientSampleId :
MW-38I

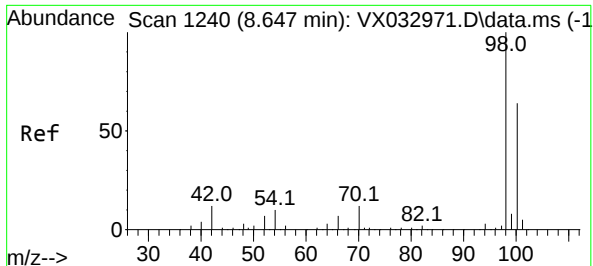
Tgt Ion: 75 Resp: 10588
Ion Ratio Lower Upper
75 100
110 10.5 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.497 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion: 117 Resp: 14265
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 25.8 38.6#

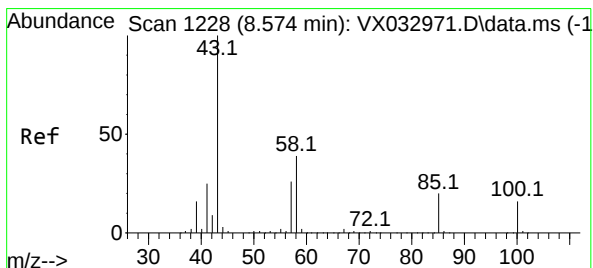
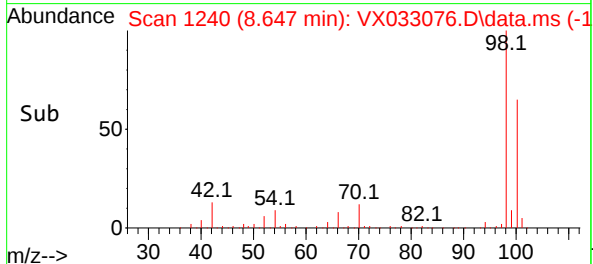
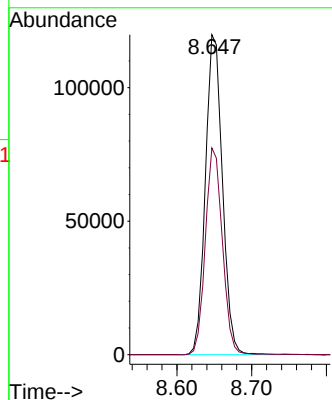
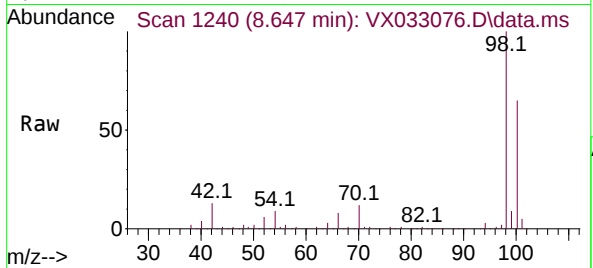




#50
Toluene-d8
Concen: 50.959 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

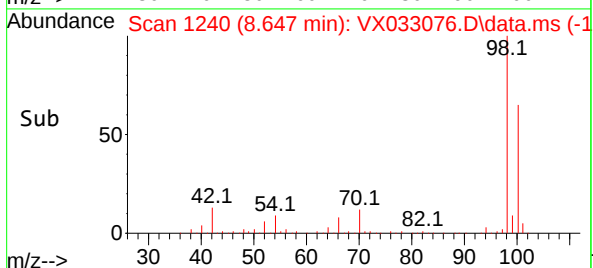
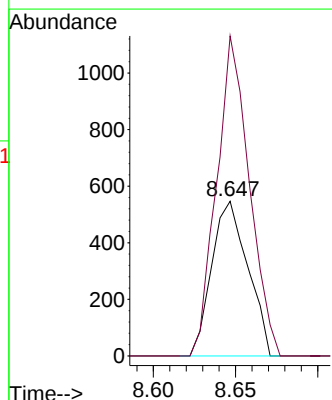
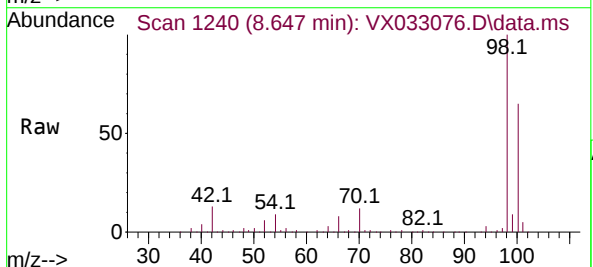
Instrument :
MSVOA_X
ClientSampleId :
MW-38I

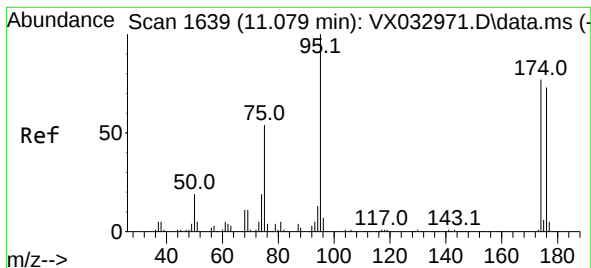
Tgt Ion: 98 Resp: 189629
Ion Ratio Lower Upper
98 100
100 64.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.474 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
58 187.8 30.9 46.3#

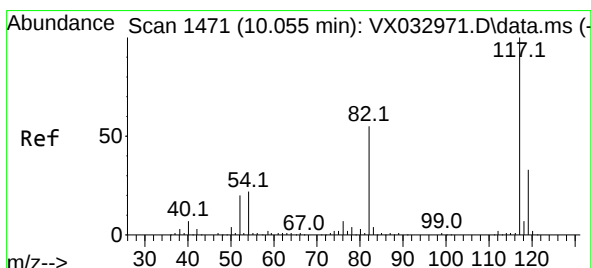
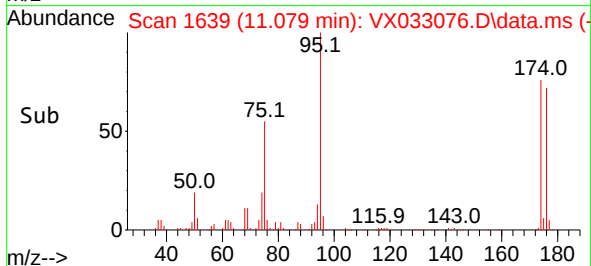
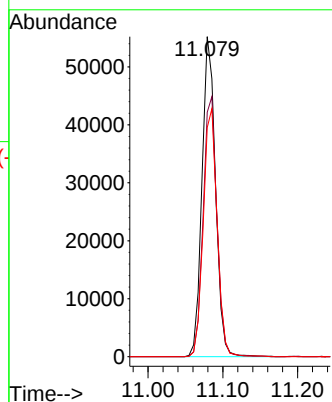
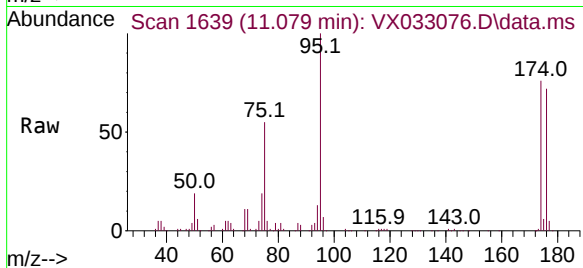




#62
4-Bromofluorobenzene
Concen: 42.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

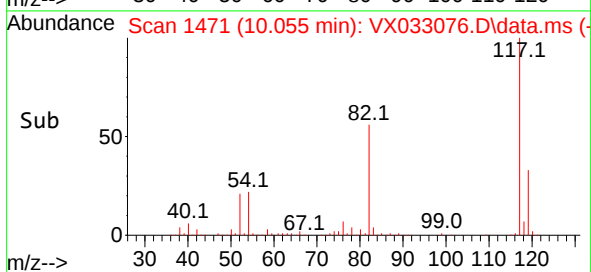
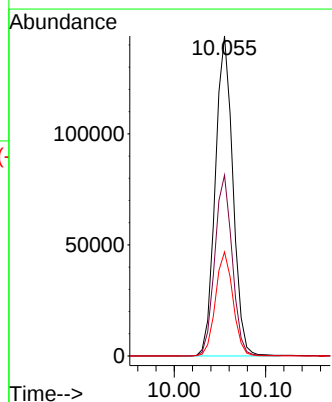
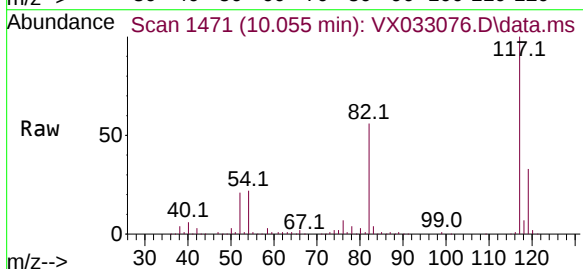
Instrument :
MSVOA_X
ClientSampleId :
MW-38I

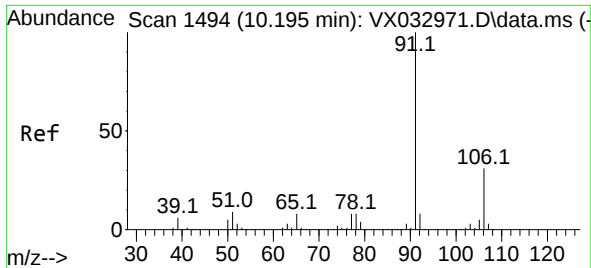
Tgt Ion: 95 Resp: 69289
Ion Ratio Lower Upper
95 100
174 82.9 0.0 164.0
176 79.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion: 117 Resp: 192598
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 32.5 25.7 38.5

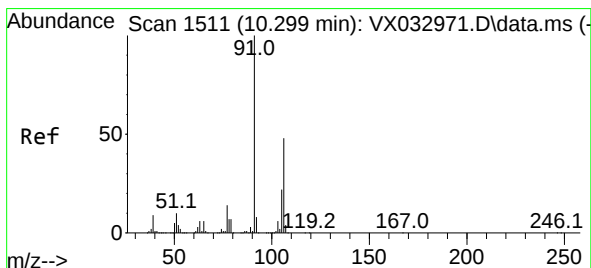
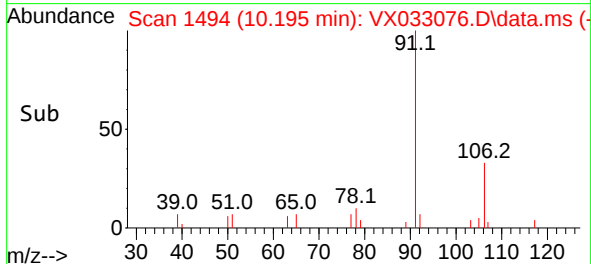
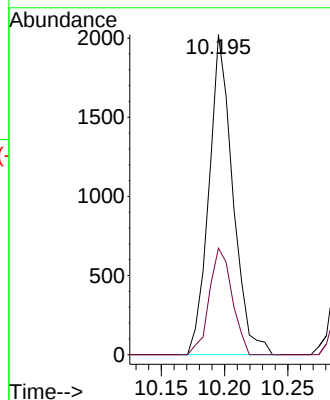
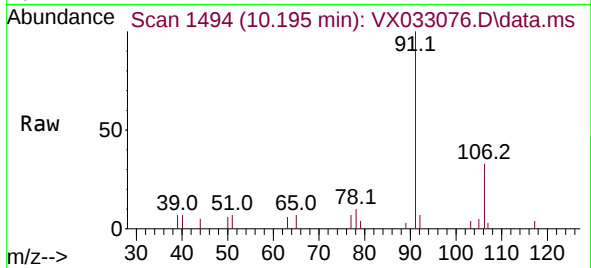




#67
Ethyl Benzene
Concen: 0.389 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

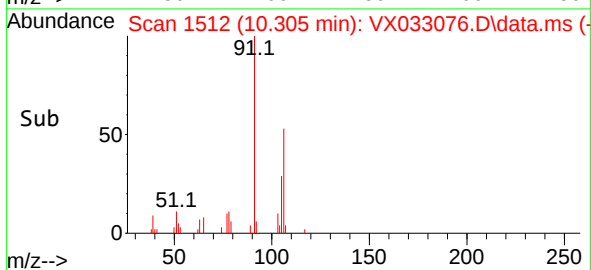
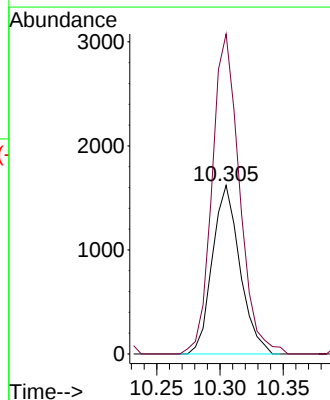
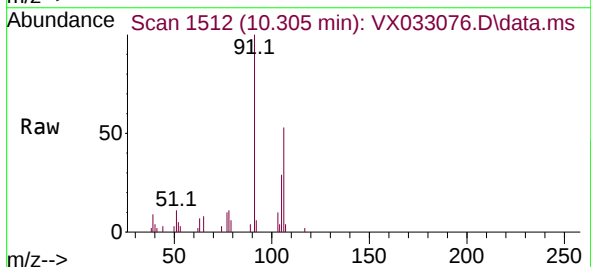
Instrument :
MSVOA_X
ClientSampleId :
MW-38I

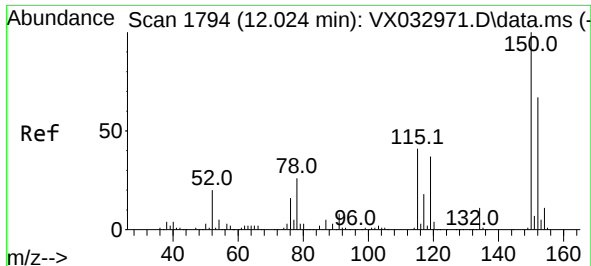
Tgt Ion: 91 Resp: 2649
Ion Ratio Lower Upper
91 100
106 33.3 25.0 37.6



#68
m/p-Xylenes
Concen: 0.919 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion: 106 Resp: 2452
Ion Ratio Lower Upper
106 100
91 188.9 164.5 246.7

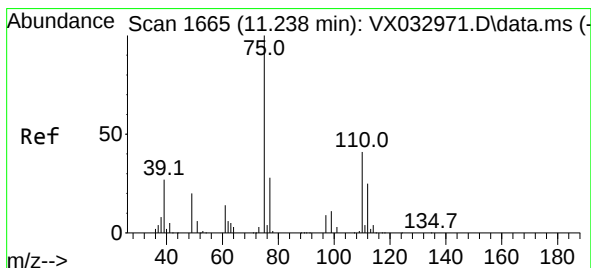
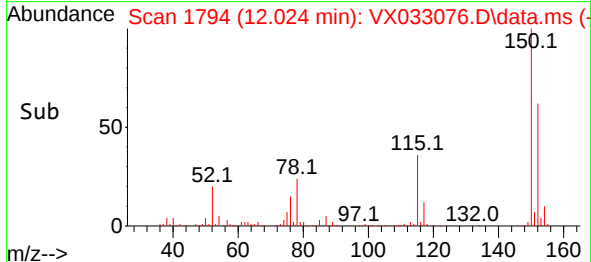
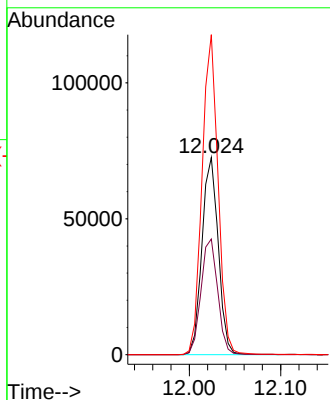
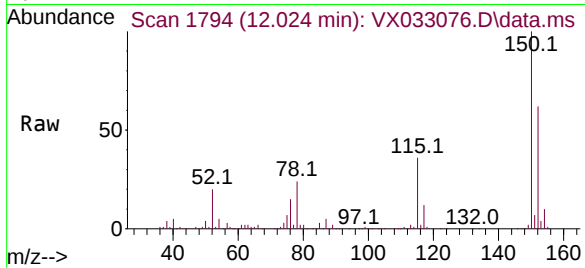




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033076.D
 Acq: 25 Nov 2022 18:23

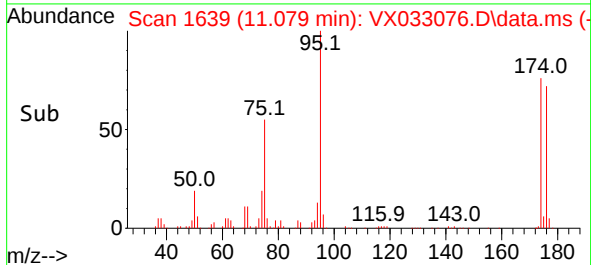
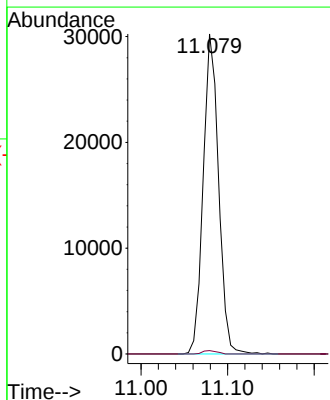
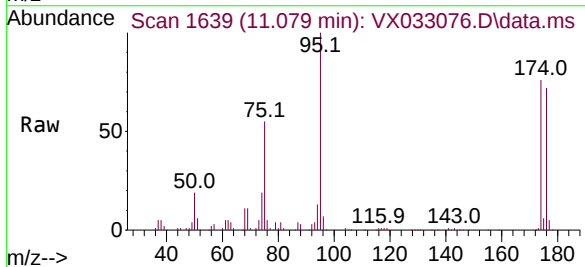
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38I

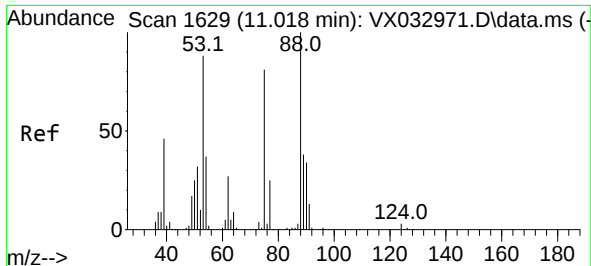
Tgt Ion:152 Resp: 89653
 Ion Ratio Lower Upper
 152 100
 115 60.3 44.0 132.0
 150 159.5 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 21.986 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX033076.D
 Acq: 25 Nov 2022 18:23

Tgt Ion: 75 Resp: 37330
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 60.0#

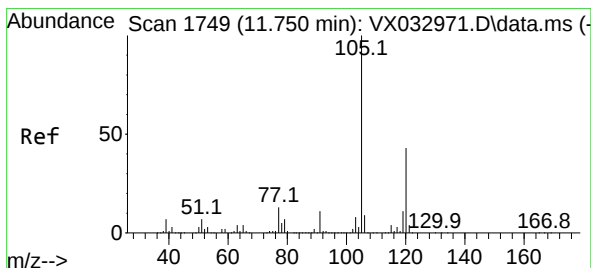
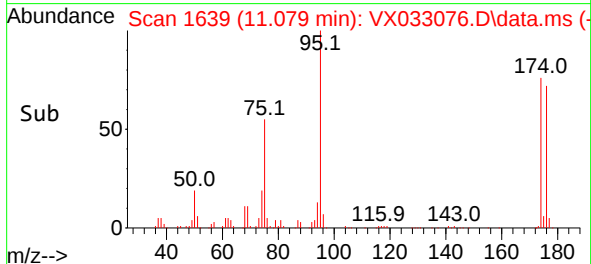
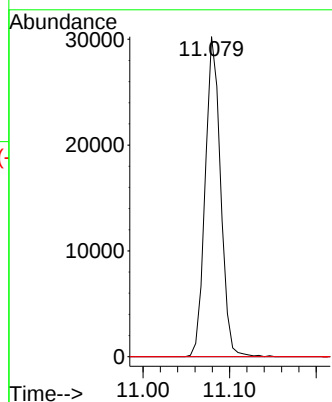
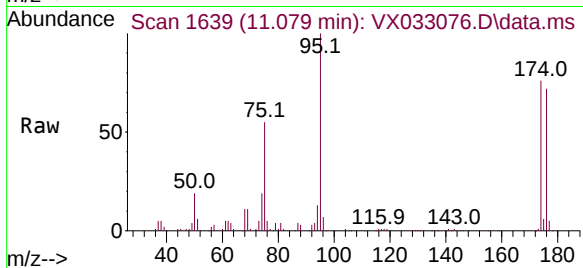




#81
trans-1,4-Dichloro-2-butene
Concen: 71.465 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

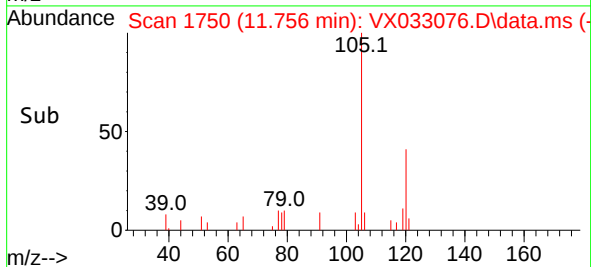
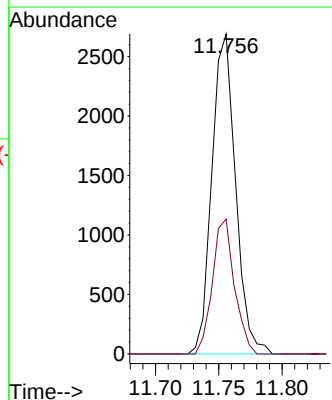
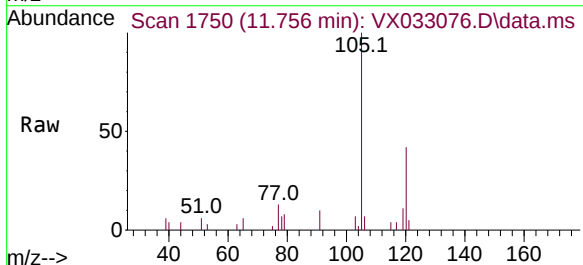
Instrument :
MSVOA_X
ClientSampleId :
MW-38I

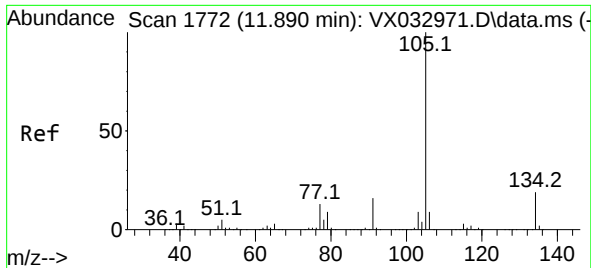
Tgt Ion: 75 Resp: 37330
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.653 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033076.D
Acq: 25 Nov 2022 18:23

Tgt Ion: 105 Resp: 3502
Ion Ratio Lower Upper
105 100
120 39.1 21.9 65.5

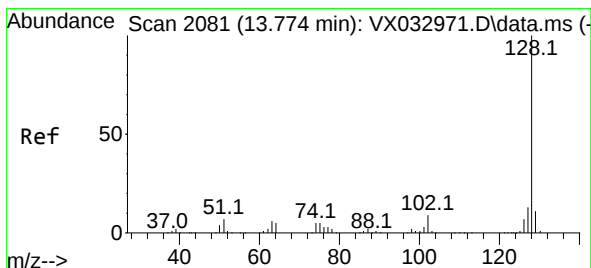
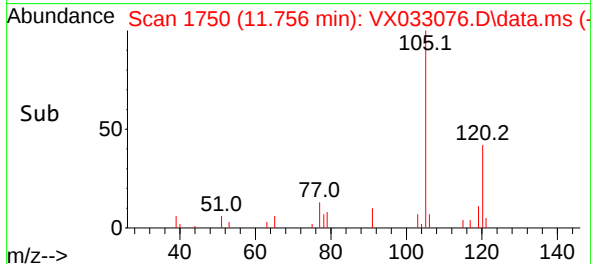
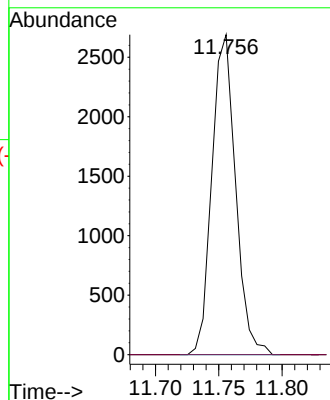
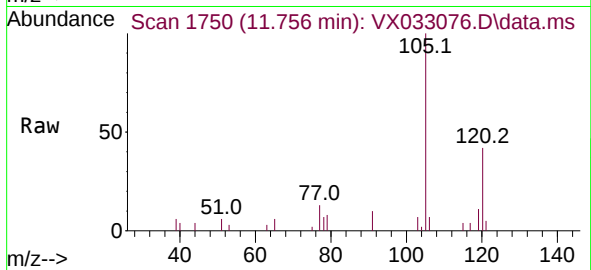




#85
 sec-Butylbenzene
 Concen: 0.546 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX033076.D
 Acq: 25 Nov 2022 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38I

Tgt Ion:105 Resp: 3502
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#



#95
 Naphthalene
 Concen: 0.354 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX033076.D
 Acq: 25 Nov 2022 18:23

Tgt Ion:128 Resp: 2029
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.2 15.4
 129 9.0 8.9 13.3

