

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033021.D
 Acq On : 23 Nov 2022 15:48
 Operator : JC/MD
 Sample : N5741-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16R

Quant Time: Nov 24 04:06:37 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)

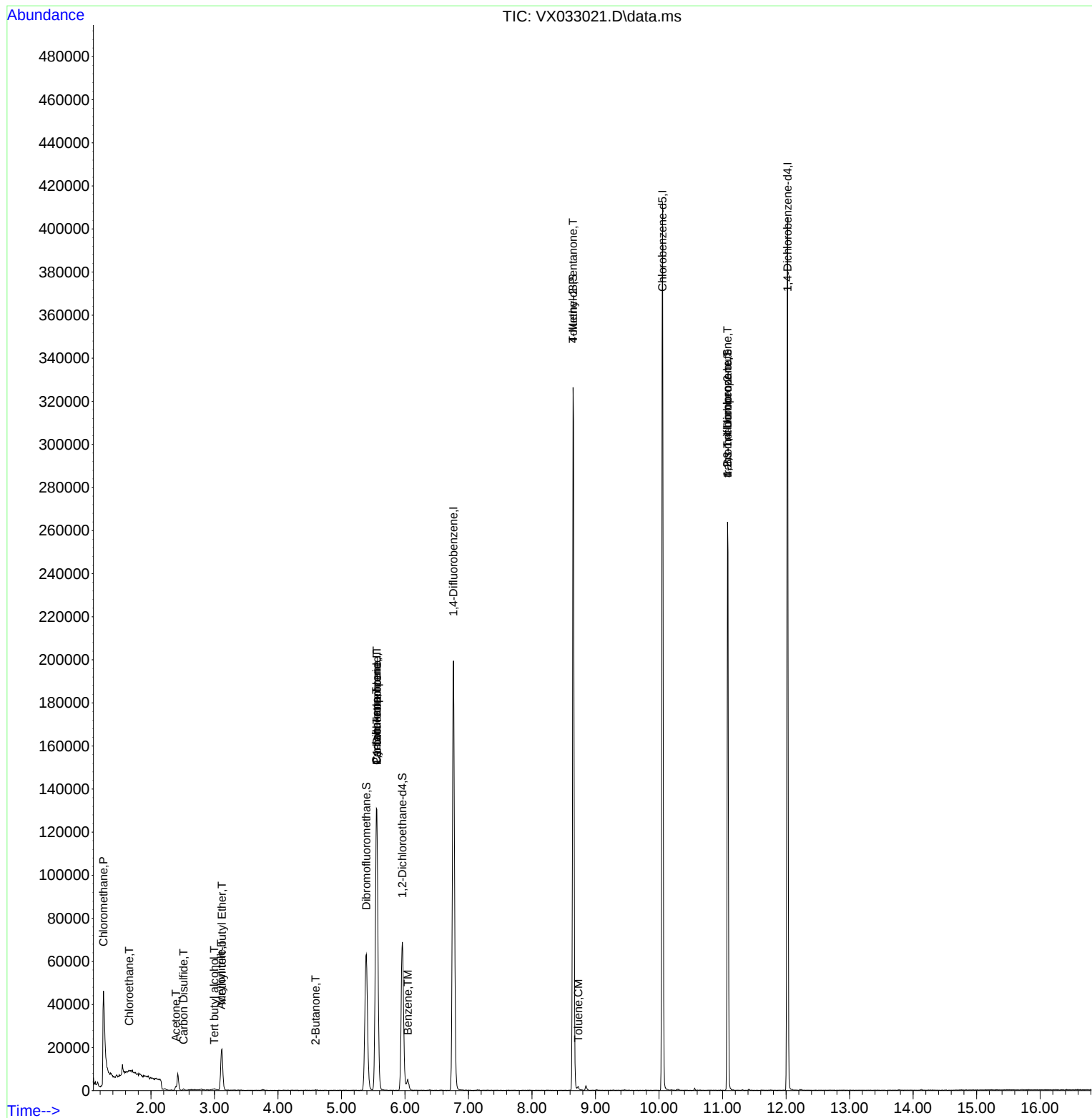
Internal Standards						
1) Pentafluorobenzene	5.556	168	124973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	201002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69494	57.369	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.740%
35) Dibromofluoromethane	5.391	113	54674	48.249	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.500%
50) Toluene-d8	8.647	98	192483	56.746	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	113.500%#
62) 4-Bromofluorobenzene	11.079	95	68278	45.869	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.740%
Target Compounds						
						Qvalue
3) Chloromethane	1.252	50	1810	1.756	ug/l #	43
6) Chloroethane	1.654	64	867	0.928	ug/l #	71
11) Tert butyl alcohol	2.995	59	1222	6.334	ug/l #	72
15) Acrylonitrile	3.105	53	247	0.453	ug/l #	25
16) Acetone	2.392	43	2136	3.758	ug/l #	85
17) Carbon Disulfide	2.514	76	910	0.302	ug/l #	74
19) Methyl tert-butyl Ether	3.117	73	20817	5.504	ug/l	98
20) Methylene Chloride	2.782	84	202	Below Cal	#	29
25) 2-Butanone	4.593	43	235	0.300	ug/l #	47
31) Cyclohexane	5.550	56	2649	1.343	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	9762	5.388	ug/l #	49
38) Carbon Tetrachloride	5.556	117	12743	6.340	ug/l #	14
40) Benzene	6.044	78	5281	1.040	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	770	0.477	ug/l #	1
52) Toluene	8.726	92	741	0.222	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	36658	23.244	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36658	75.553	ug/l #	6

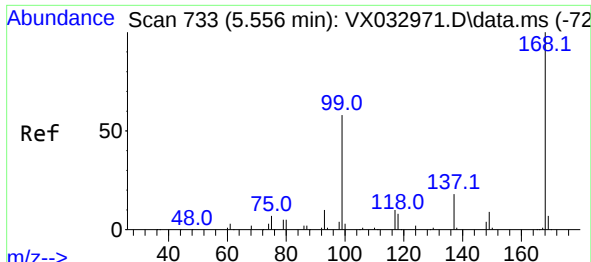
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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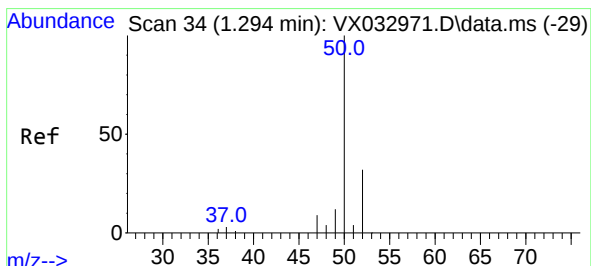
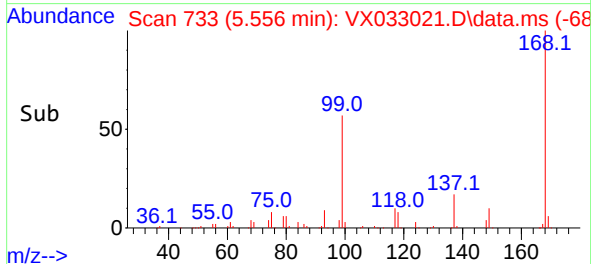
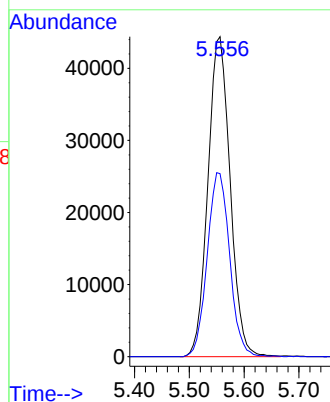
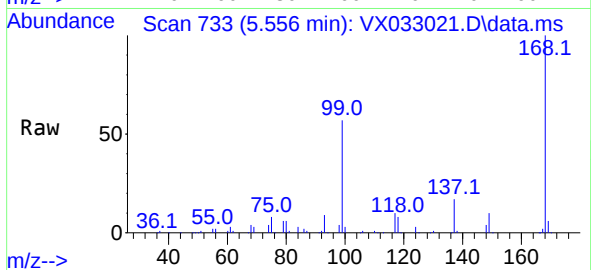




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

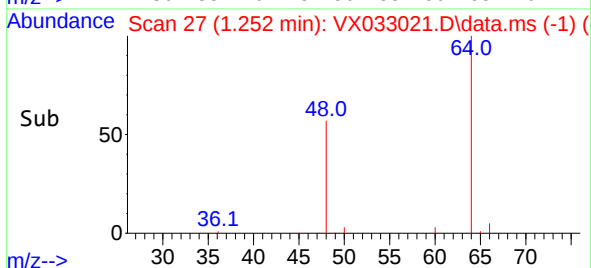
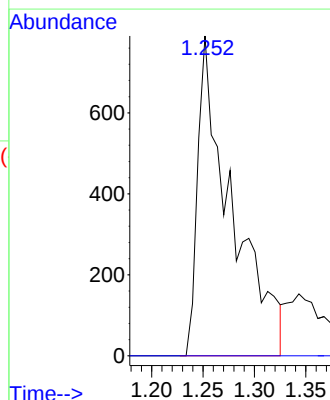
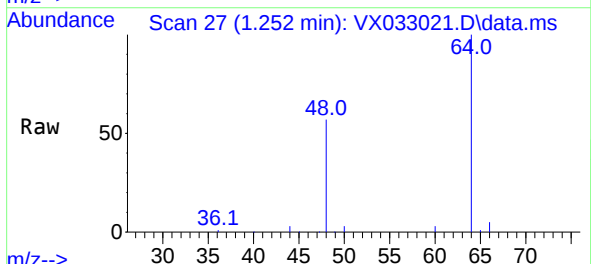
Instrument :
MSVOA_X
ClientSampleId :
MW-16R

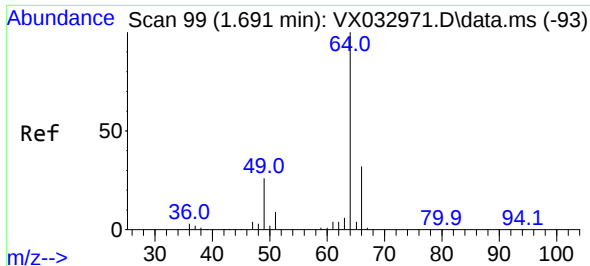
Tgt Ion:168 Resp: 124973
Ion Ratio Lower Upper
168 100
99 57.2 46.1 69.1



#3
Chloromethane
Concen: 1.756 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 50 Resp: 1810
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

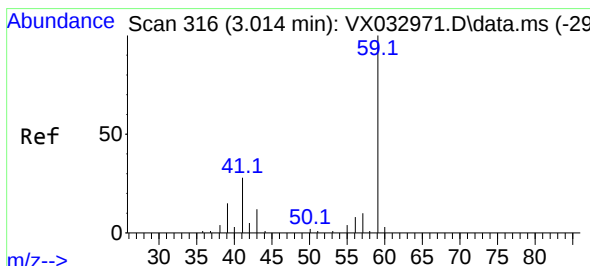
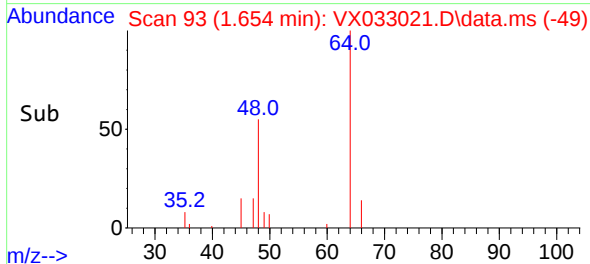
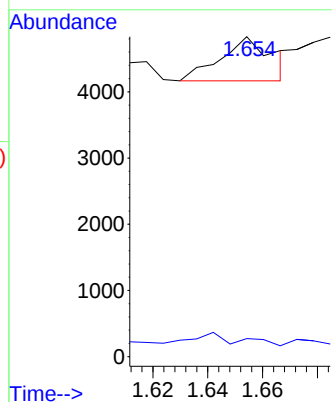
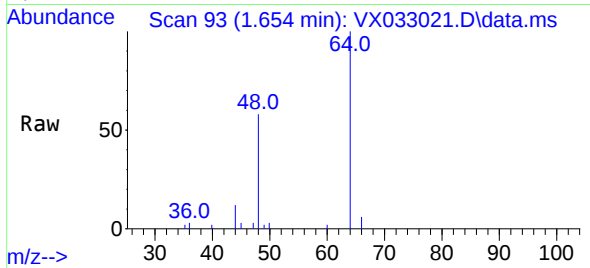




#6
Chloroethane
Concen: 0.928 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.031 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

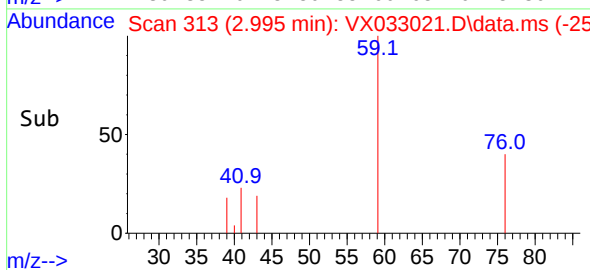
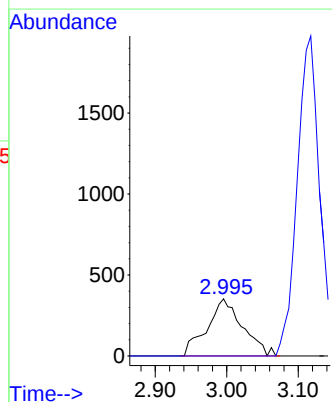
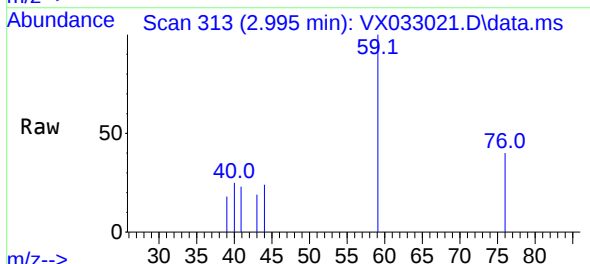
Instrument :
MSVOA_X
ClientSampleId :
MW-16R

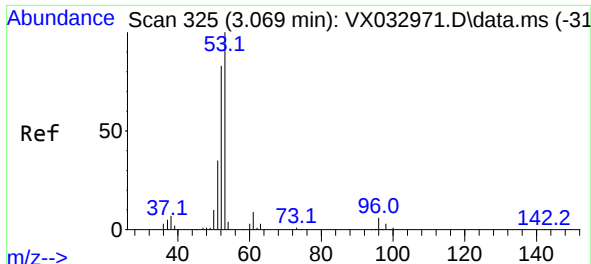
Tgt Ion: 64 Resp: 867
Ion Ratio Lower Upper
64 100
66 16.2 26.0 39.0#



#11
Tert butyl alcohol
Concen: 6.334 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.030 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 59 Resp: 1222
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

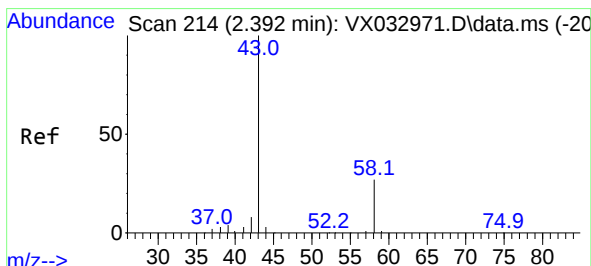
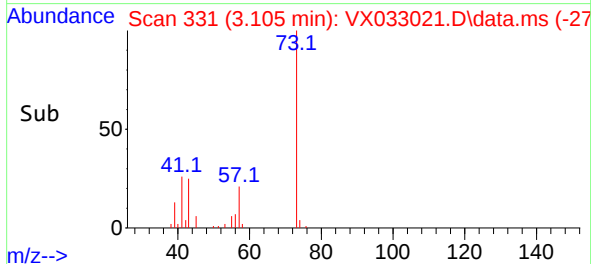
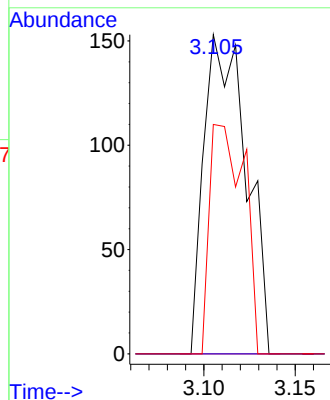
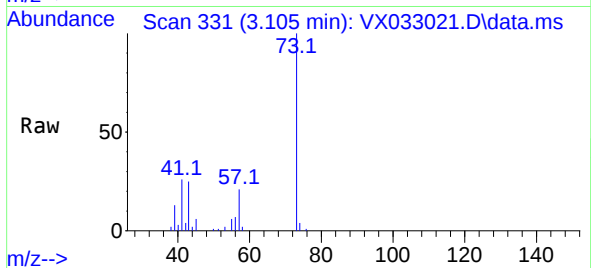




#15
Acrylonitrile
Concen: 0.453 ug/l
RT: 3.105 min Scan# 31
Delta R.T. 0.043 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

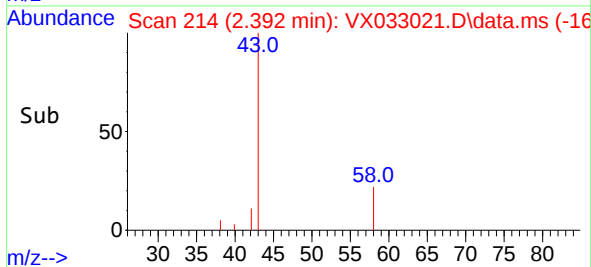
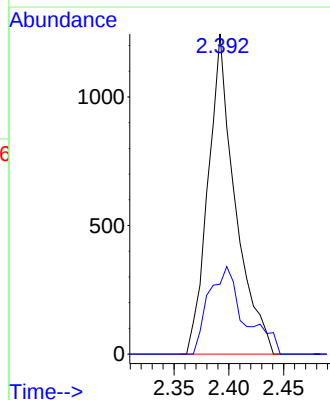
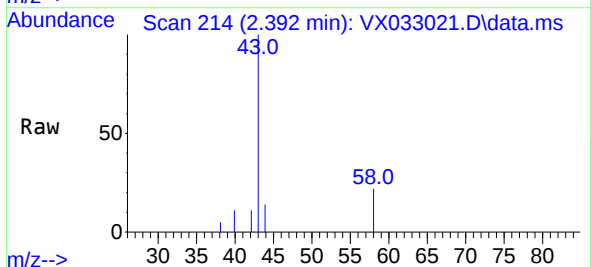
Instrument :
MSVOA_X
ClientSampleId :
MW-16R

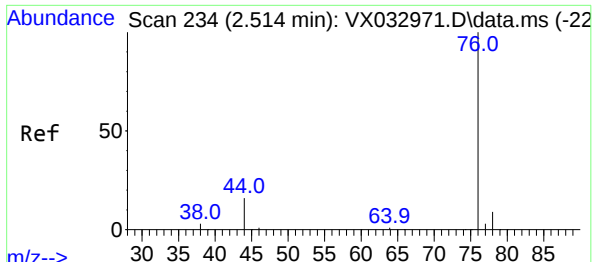
Tgt Ion: 53 Resp: 247
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 58.7 30.3 45.5#



#16
Acetone
Concen: 3.758 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 43 Resp: 2136
Ion Ratio Lower Upper
43 100
58 21.8 23.8 35.8#

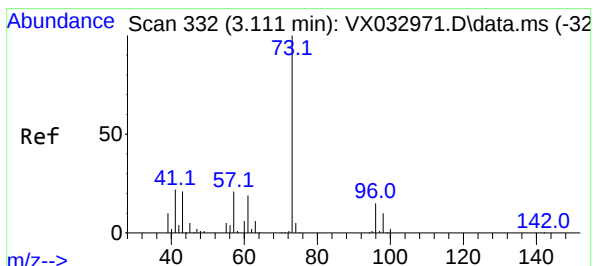
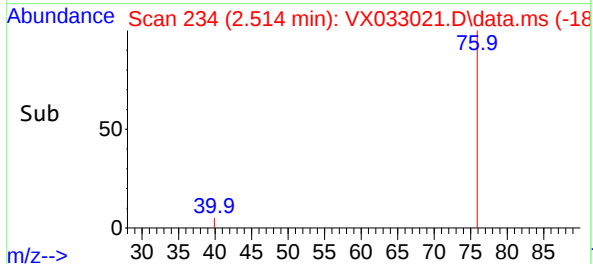
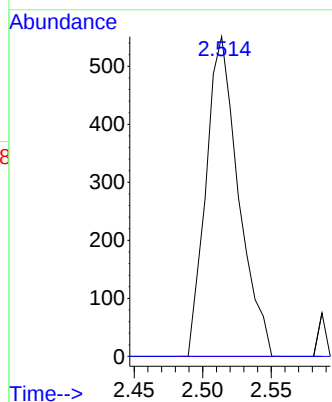
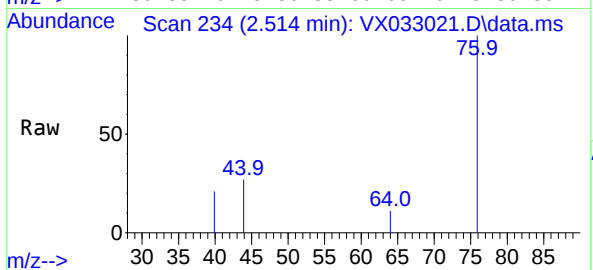




#17
Carbon Disulfide
Concen: 0.302 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

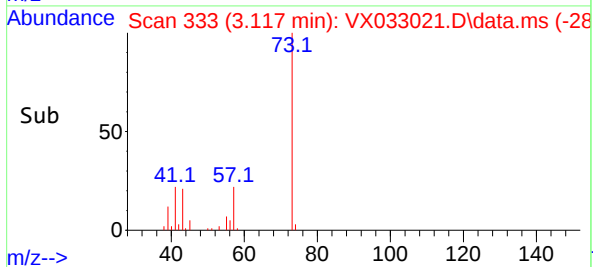
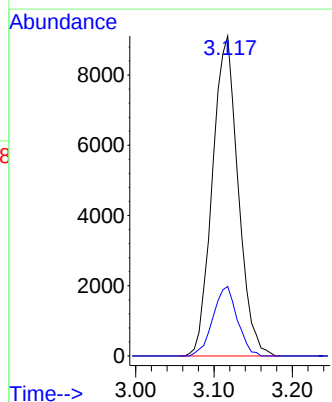
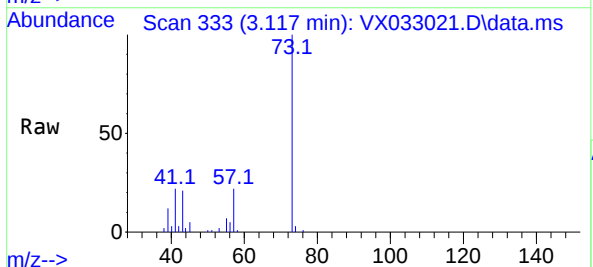
Instrument :
MSVOA_X
ClientSampleId :
MW-16R

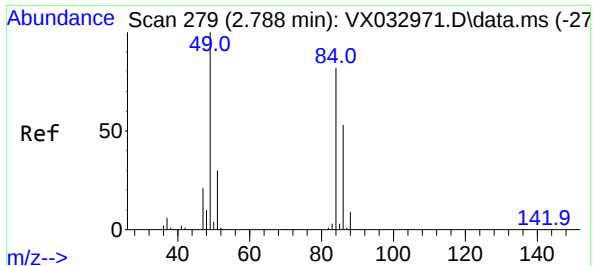
Tgt Ion: 76 Resp: 910
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#19
Methyl tert-butyl Ether
Concen: 5.504 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 73 Resp: 20817
Ion Ratio Lower Upper
73 100
57 21.7 16.6 25.0

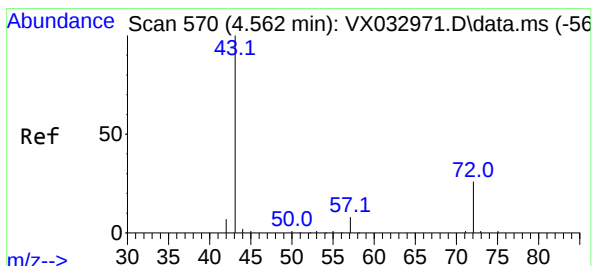
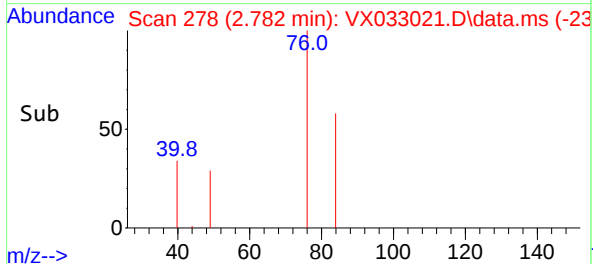
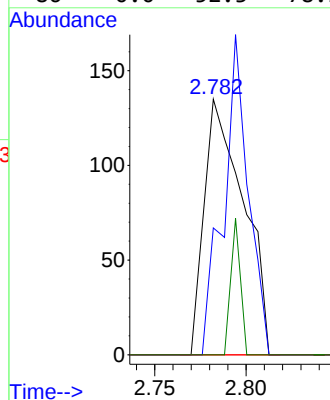
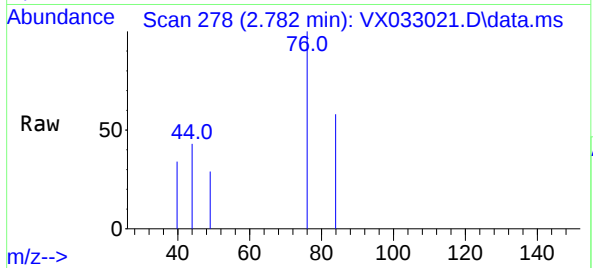




#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

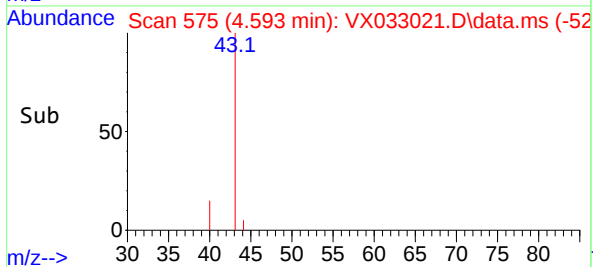
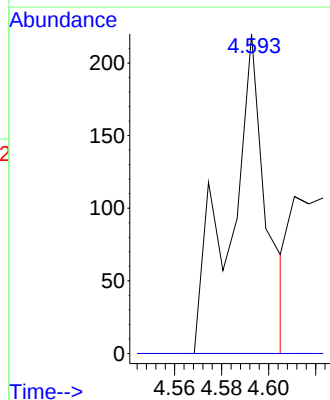
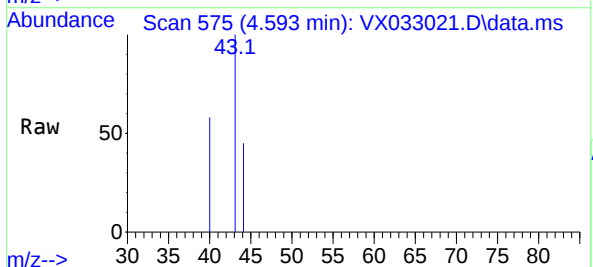
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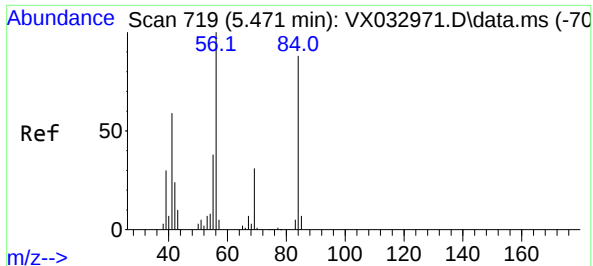
Tgt Ion: 84 Resp: 202
Ion Ratio Lower Upper
84 100
49 49.6 101.0 151.6#
51 0.0 31.1 46.7#
86 0.0 52.3 78.5#



#25
2-Butanone
Concen: 0.300 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#

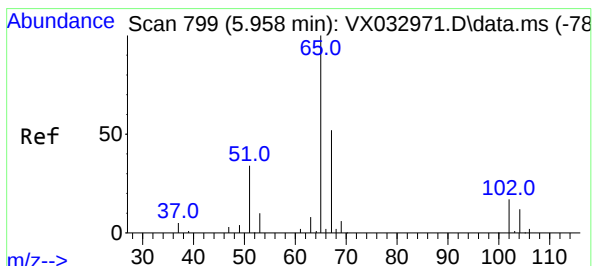
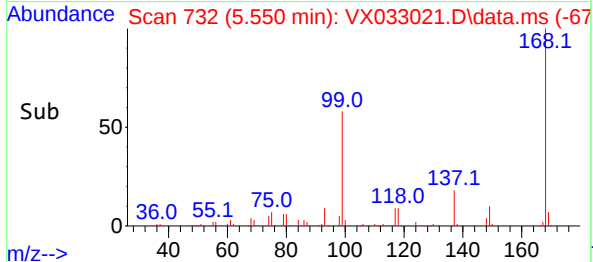
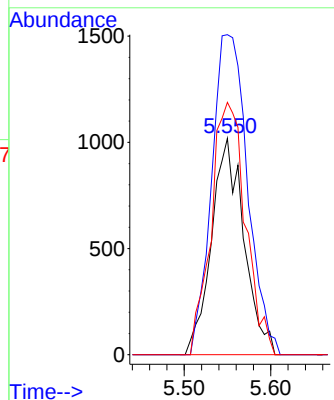
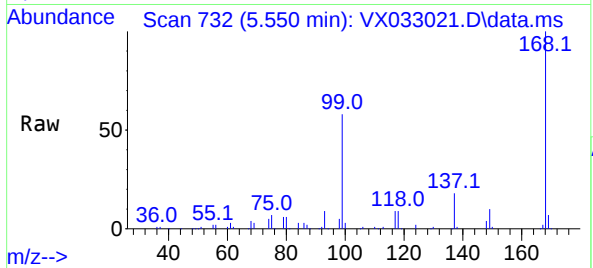




#31
Cyclohexane
Concen: 1.343 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

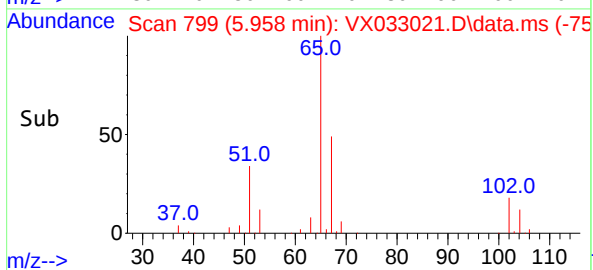
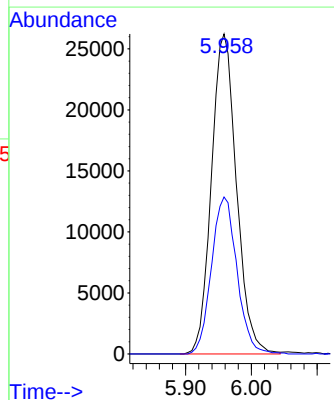
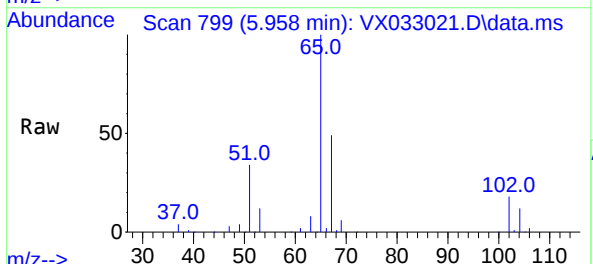
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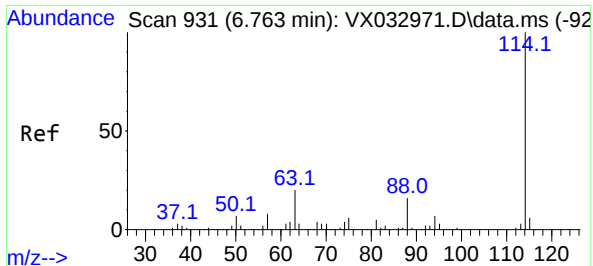
Tgt Ion: 56 Resp: 2649
Ion Ratio Lower Upper
56 100
69 147.9 24.1 36.1#
84 116.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 57.369 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 65 Resp: 69494
Ion Ratio Lower Upper
65 100
67 49.9 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: VX033021.D

Acq: 23 Nov 2022 15:48

Instrument :

MSVOA_X

ClientSampleId :

MW-16R

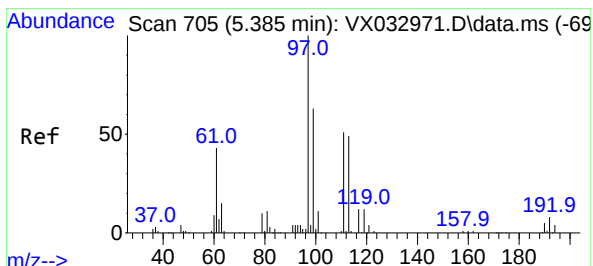
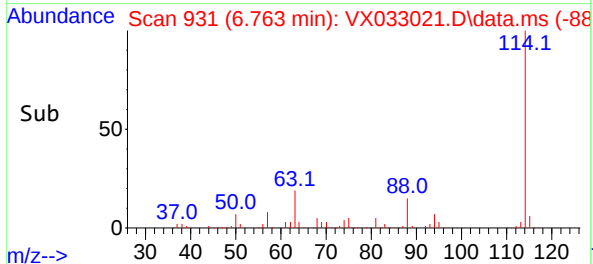
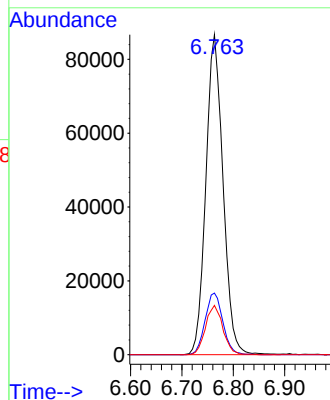
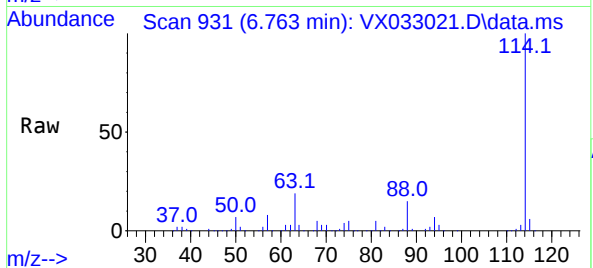
Tgt Ion:114 Resp: 201002

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.6

88 15.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.249 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX033021.D

Acq: 23 Nov 2022 15:48

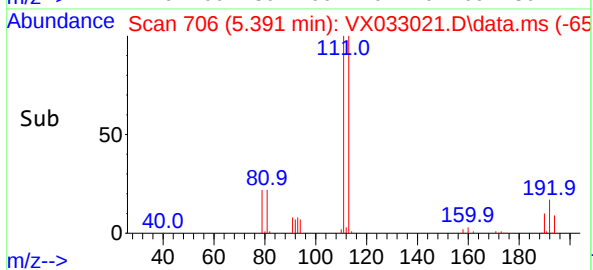
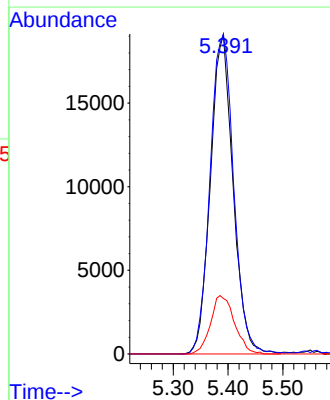
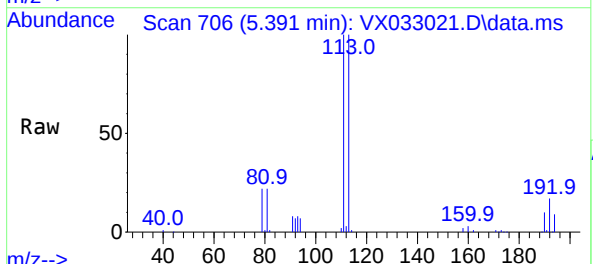
Tgt Ion:113 Resp: 54674

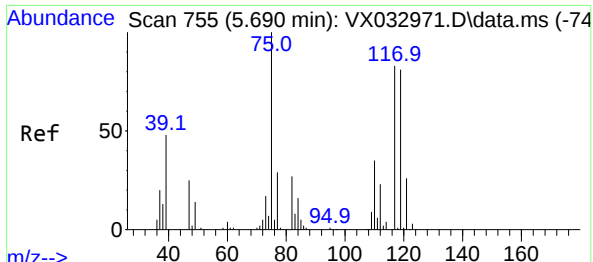
Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

192 19.3 15.4 23.2

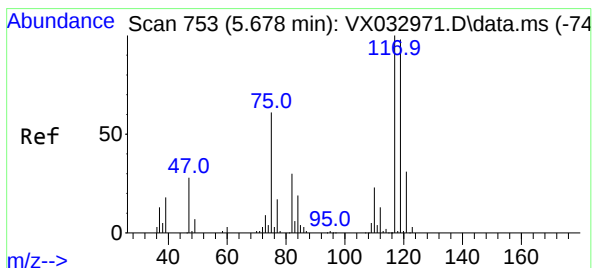
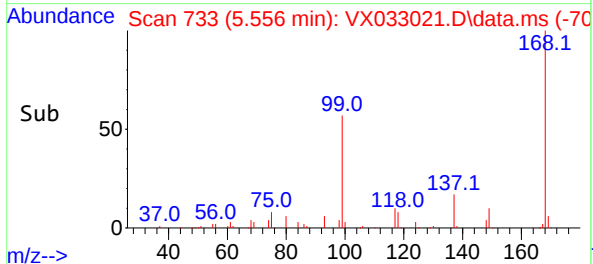
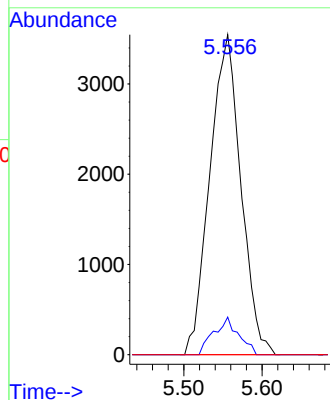
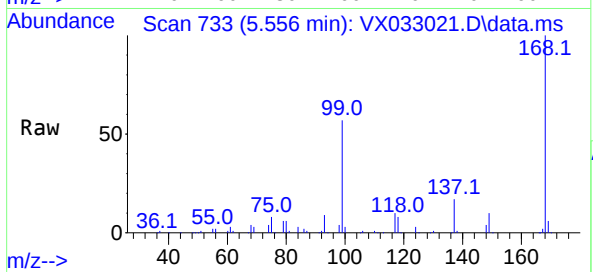




#36
1,1-Dichloropropene
Concen: 5.388 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

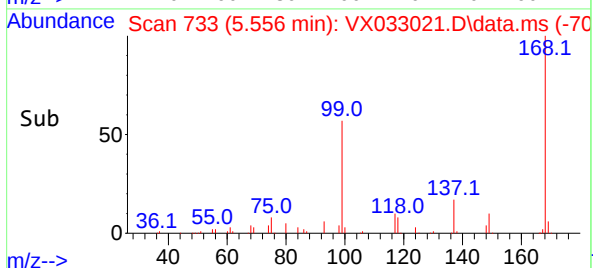
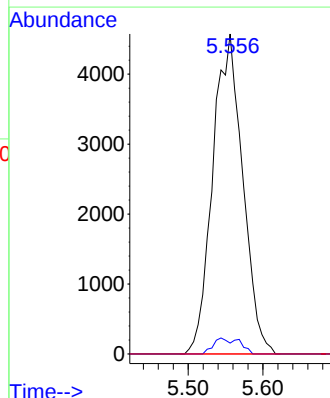
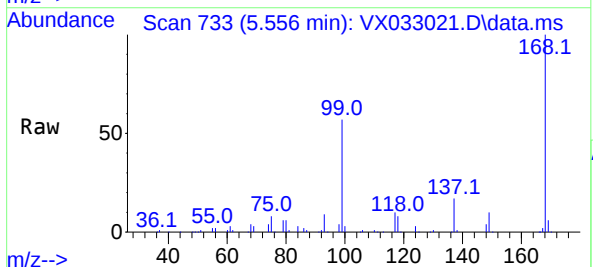
Instrument :
MSVOA_X
ClientSampleId :
MW-16R

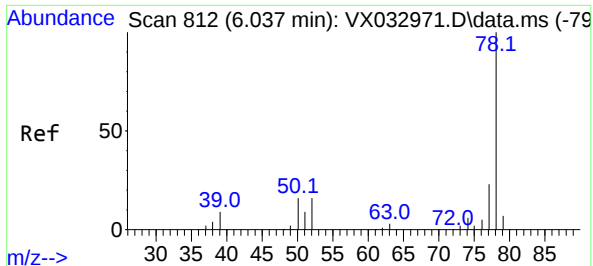
Tgt Ion: 75 Resp: 9762
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.340 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 117 Resp: 12743
Ion Ratio Lower Upper
117 100
119 3.4 77.2 115.8#
121 0.0 25.8 38.6#

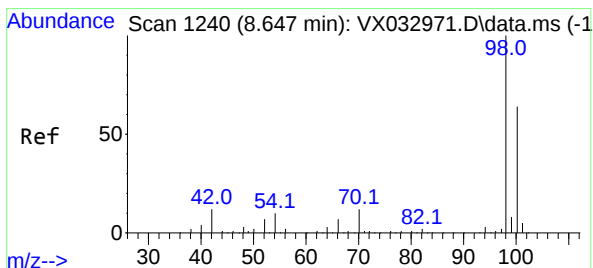
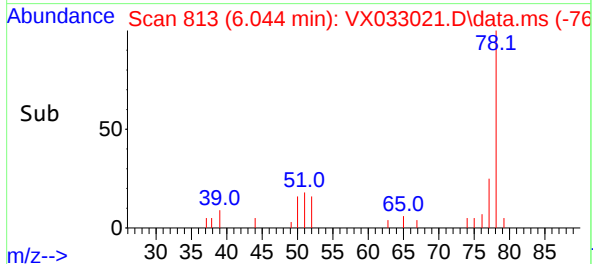
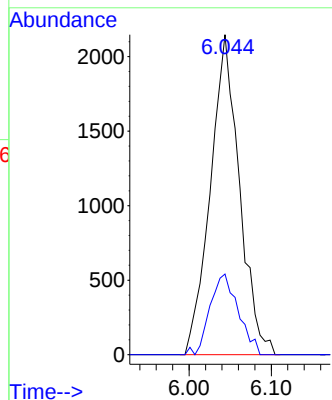
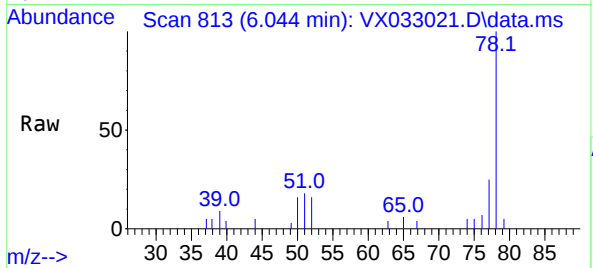




#40
Benzene
Concen: 1.040 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

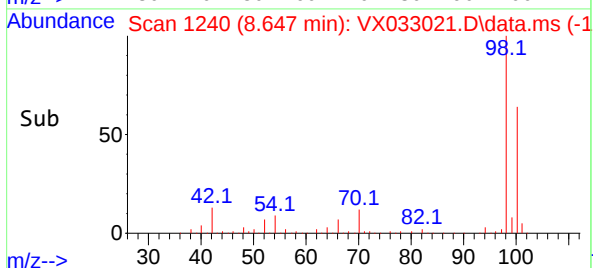
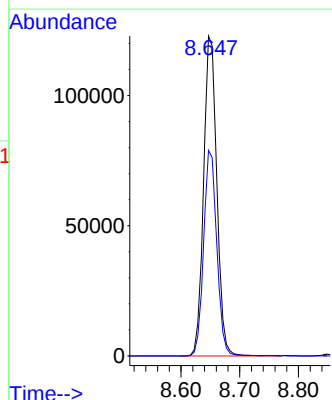
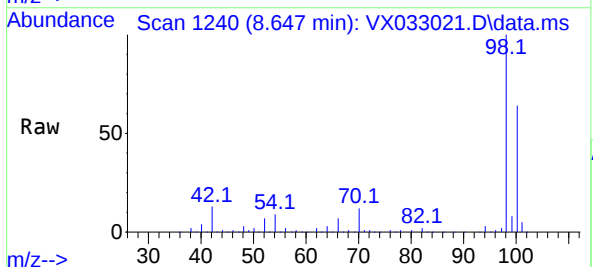
Instrument :
MSVOA_X
ClientSampleId :
MW-16R

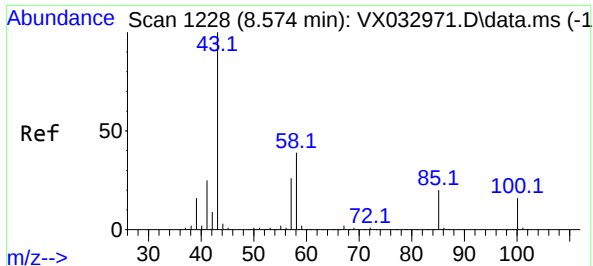
Tgt Ion: 78 Resp: 5281
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.4



#50
Toluene-d8
Concen: 56.746 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 98 Resp: 192483
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.477 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX033021.D

Acq: 23 Nov 2022 15:48

Instrument :

MSVOA_X

ClientSampleId :

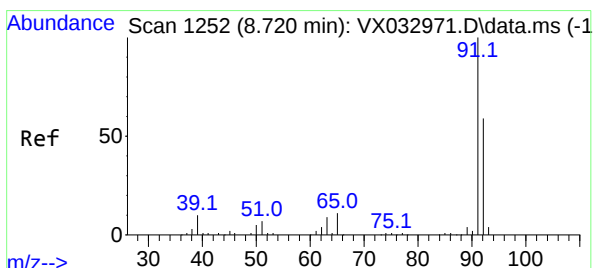
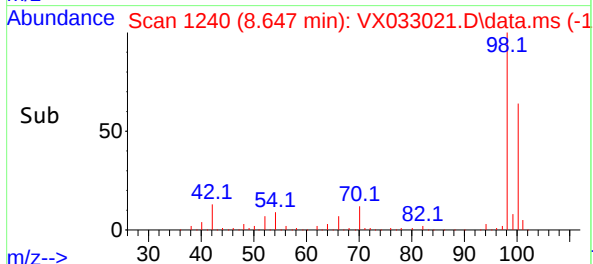
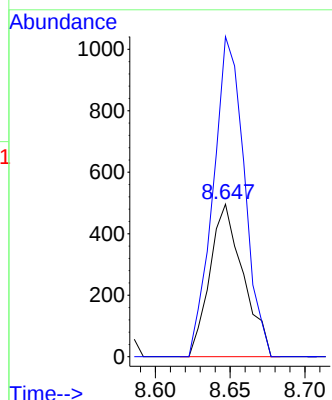
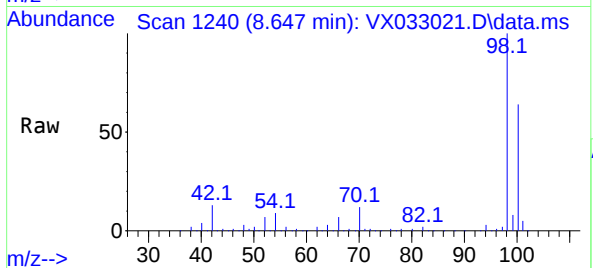
MW-16R

Tgt Ion: 43 Resp: 770

Ion Ratio Lower Upper

43 100

58 195.8 30.9 46.3#



#52

Toluene

Concen: 0.222 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX033021.D

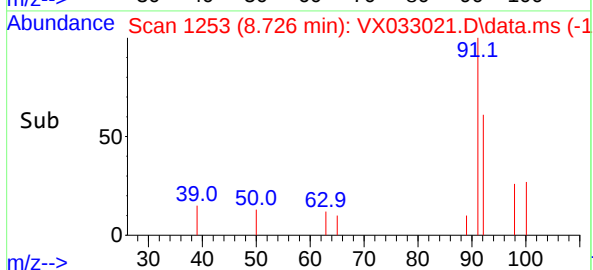
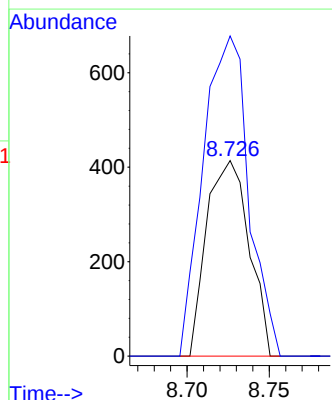
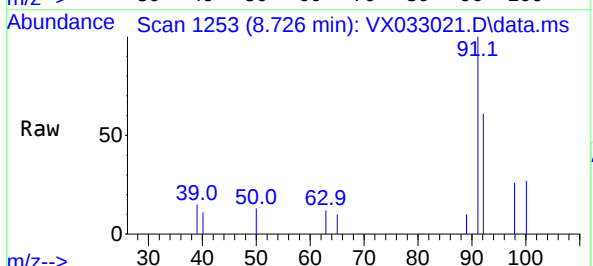
Acq: 23 Nov 2022 15:48

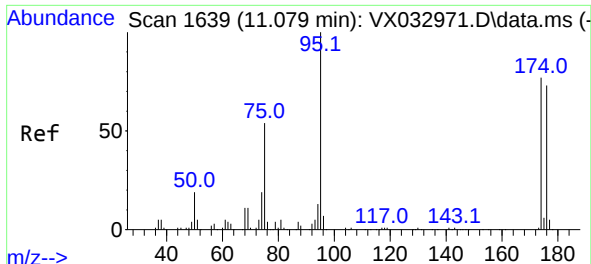
Tgt Ion: 92 Resp: 741

Ion Ratio Lower Upper

92 100

91 176.0 138.3 207.5

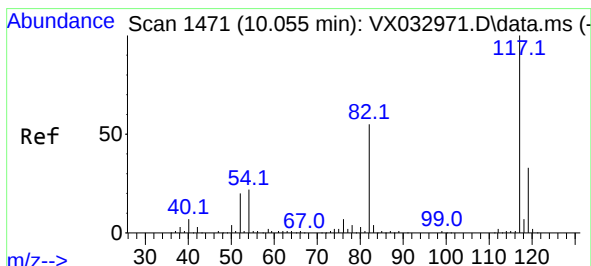
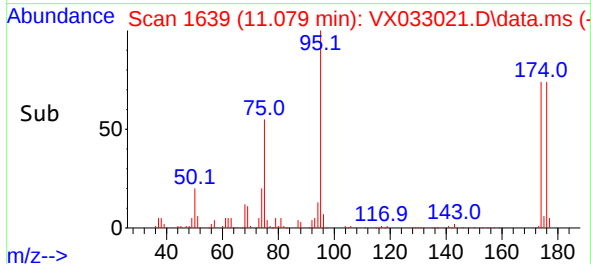
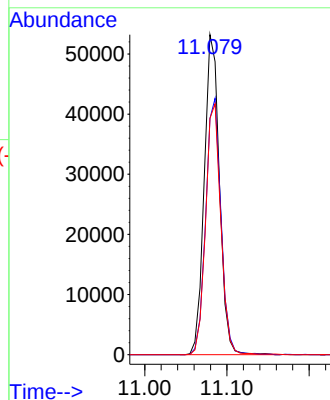
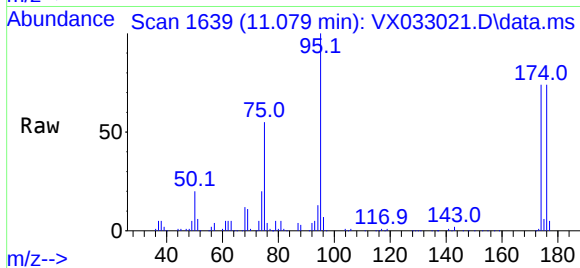




#62
4-Bromofluorobenzene
Concen: 45.869 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

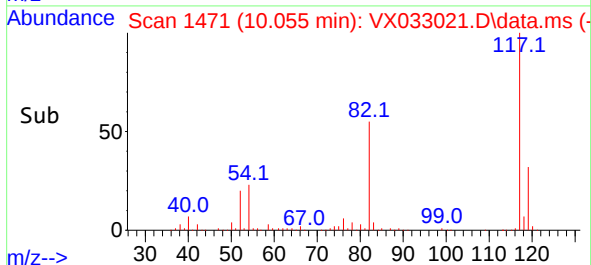
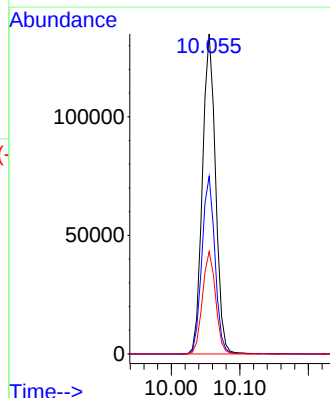
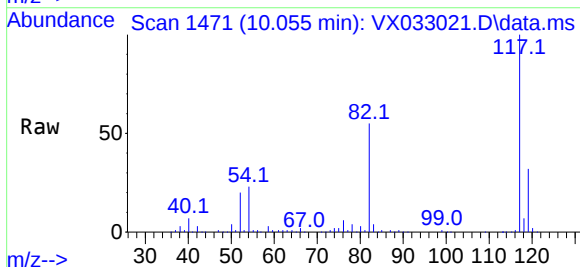
Instrument :
MSVOA_X
ClientSampleId :
MW-16R

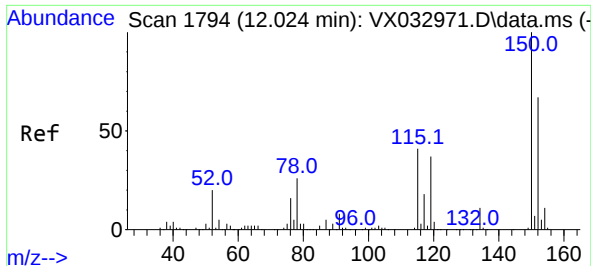
Tgt Ion: 95 Resp: 68278
Ion Ratio Lower Upper
95 100
174 80.4 0.0 164.0
176 78.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 117 Resp: 180369
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 32.0 25.7 38.5

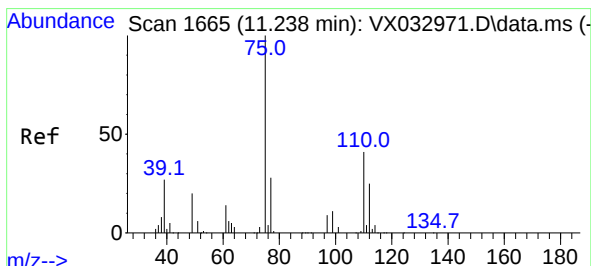
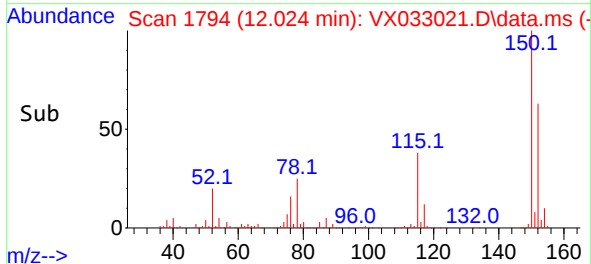
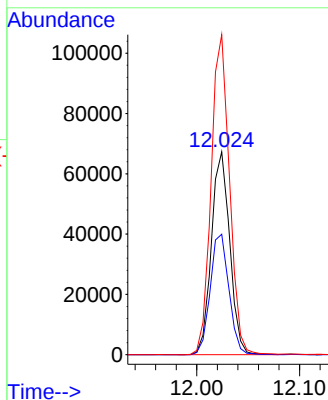
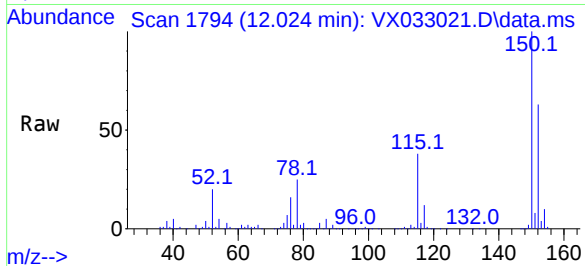




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

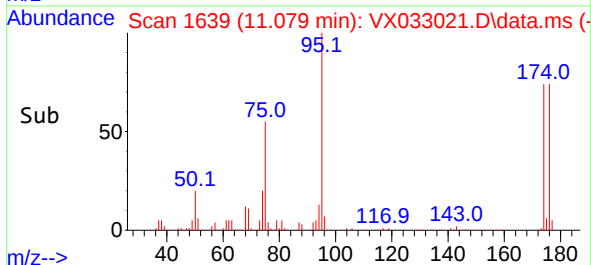
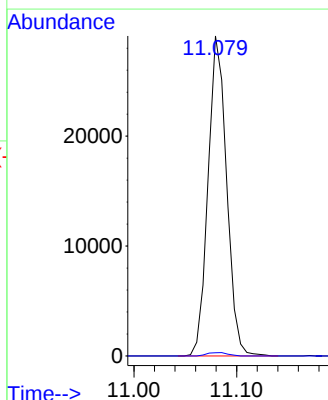
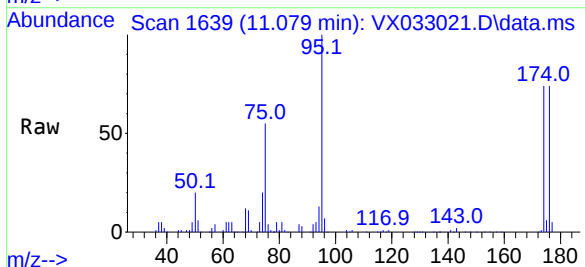
Instrument :
MSVOA_X
ClientSampleId :
MW-16R

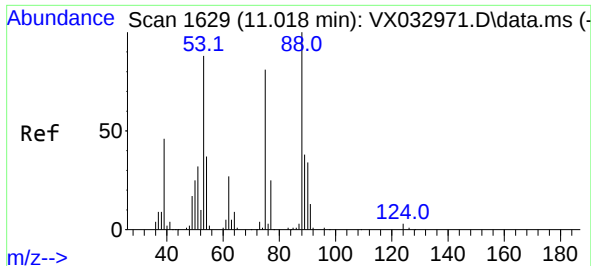
Tgt Ion:152 Resp: 83276
Ion Ratio Lower Upper
152 100
115 60.8 44.0 132.0
150 158.4 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 23.244 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033021.D
Acq: 23 Nov 2022 15:48

Tgt Ion: 75 Resp: 36658
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.553 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX033021.D
 Acq: 23 Nov 2022 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16R

Tgt Ion: 75 Resp: 36658
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

