

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033045.D
 Acq On : 24 Nov 2022 07:36
 Operator : JC/MD
 Sample : N5741-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-37

Quant Time: Nov 25 06:38:15 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)

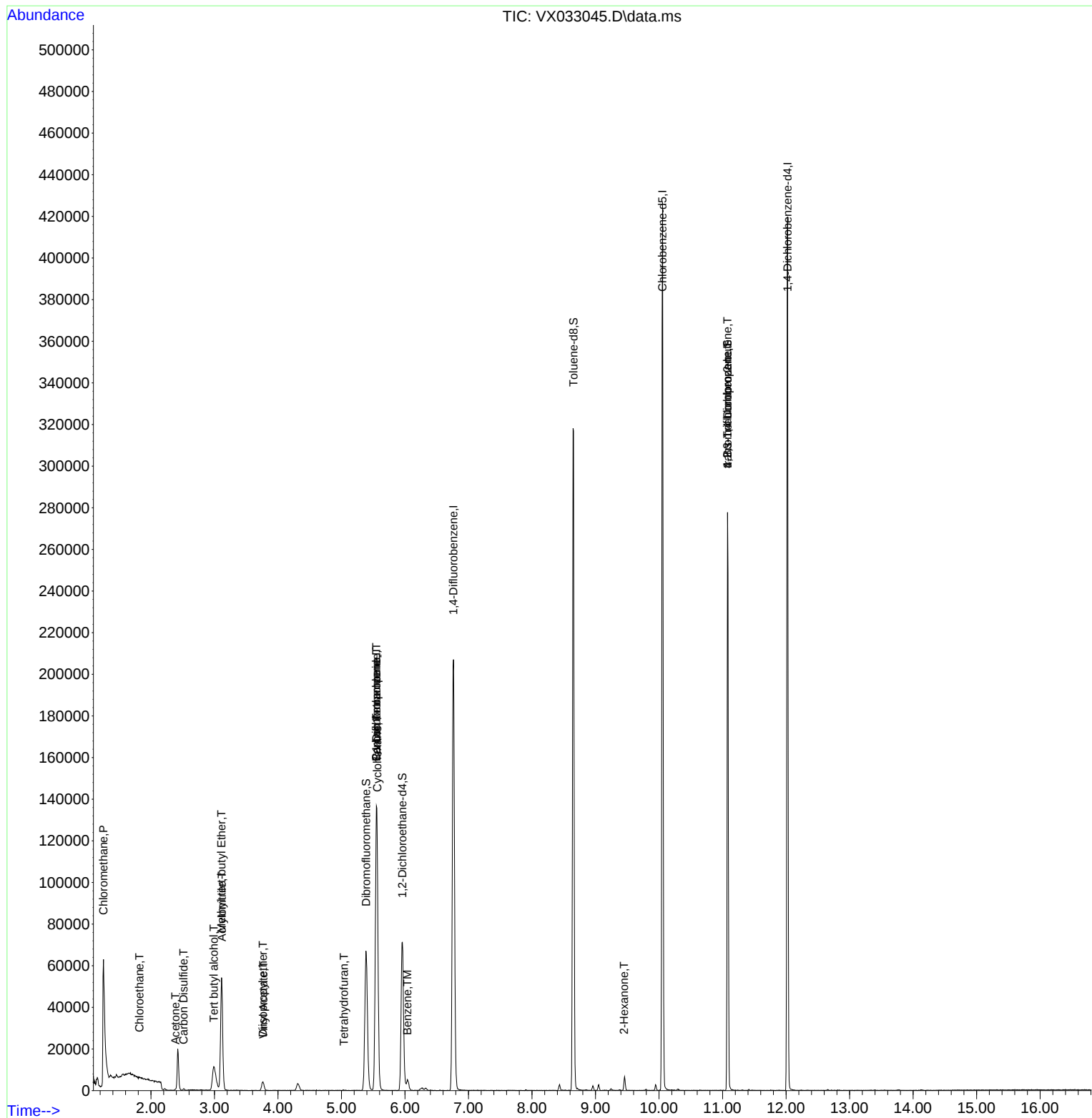
Internal Standards						
1) Pentafluorobenzene	5.550	168	130428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214379	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74370	58.912	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 117.820%#	
35) Dibromofluoromethane	5.385	113	57909	47.915	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.820%	
50) Toluene-d8	8.653	98	195797	54.017	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.040%	
62) 4-Bromofluorobenzene	11.079	95	69950	44.060	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	2428	2.257	ug/l #	43
6) Chloroethane	1.819	64	886	0.909	ug/l #	45
11) Tert butyl alcohol	2.989	59	22589	112.189	ug/l	100
15) Acrylonitrile	3.117	53	648	1.138	ug/l #	13
16) Acetone	2.386	43	889	1.499	ug/l	92
17) Carbon Disulfide	2.514	76	1158	0.368	ug/l #	93
19) Methyl tert-butyl Ether	3.111	73	58128	14.726	ug/l	96
20) Methylene Chloride	2.794	84	86	Below Cal	#	50
22) Diisopropyl ether	3.763	45	4540	1.135	ug/l #	82
23) Vinyl Acetate	3.769	43	2515	0.803	ug/l #	72
29) Tetrahydrofuran	5.038	42	188	0.362	ug/l #	49
31) Cyclohexane	5.562	56	2740	1.331	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	10052	5.202	ug/l #	46
38) Carbon Tetrachloride	5.550	117	13689	6.385	ug/l #	16
40) Benzene	6.037	78	6012	1.110	ug/l #	89
59) 2-Hexanone	9.451	43	455	0.358	ug/l	83
76) 1,2,3-Trichloropropane	11.079	75	38229	22.951	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38229	74.600	ug/l #	6

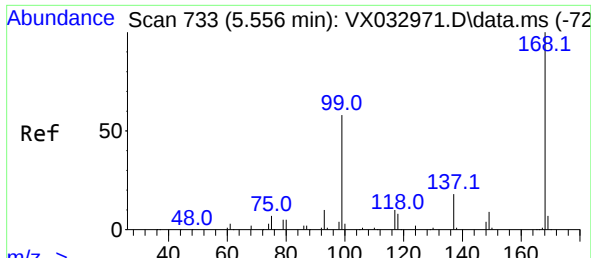
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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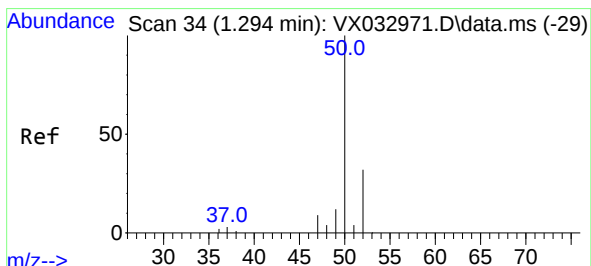
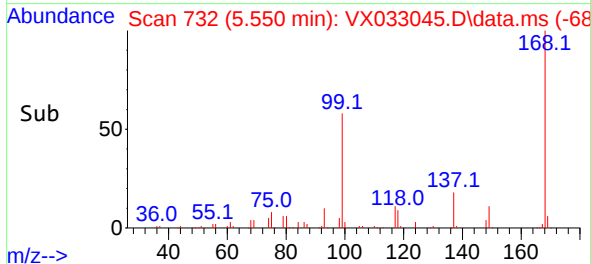
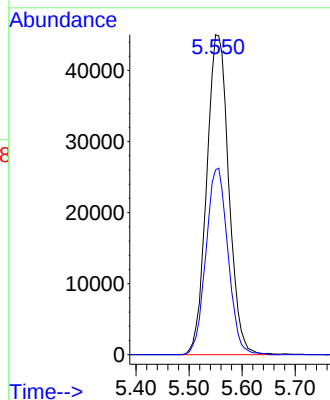
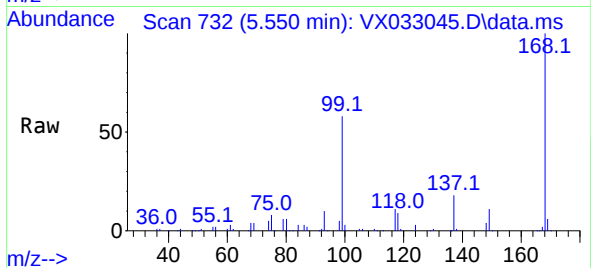




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

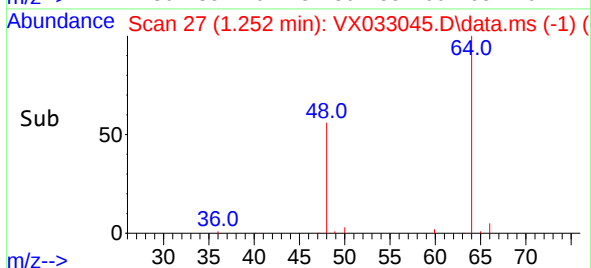
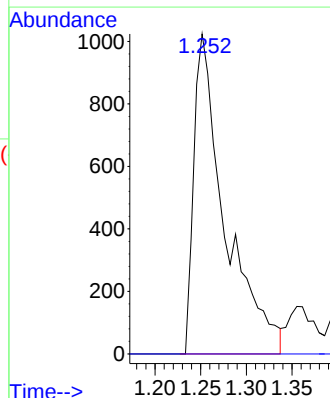
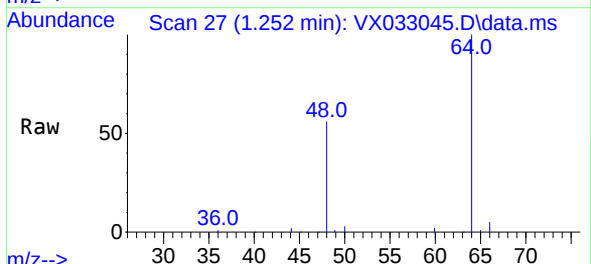
Instrument :
MSVOA_X
ClientSampleId :
MW-37

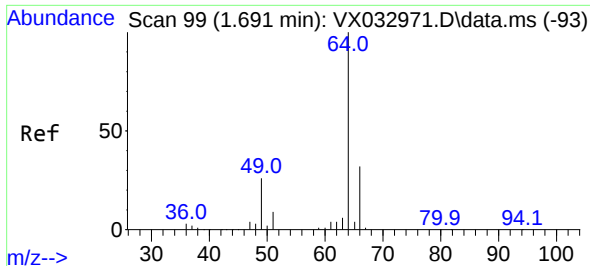
Tgt Ion:168 Resp: 130428
Ion Ratio Lower Upper
168 100
99 57.8 46.1 69.1



#3
Chloromethane
Concen: 2.257 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Tgt Ion: 50 Resp: 2428
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

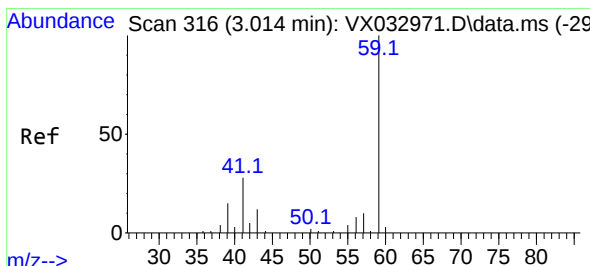
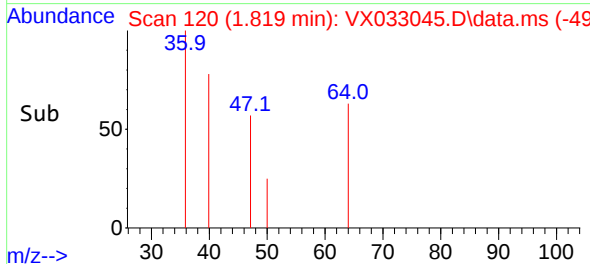
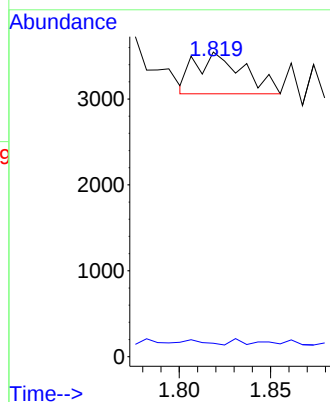
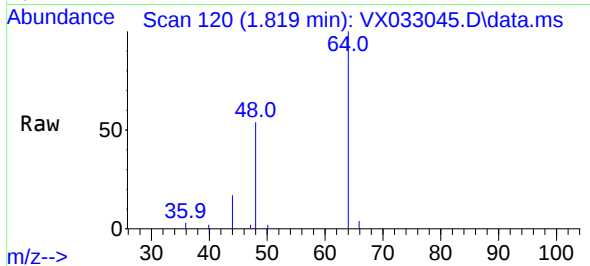




#6
Chloroethane
Concen: 0.909 ug/l
RT: 1.819 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

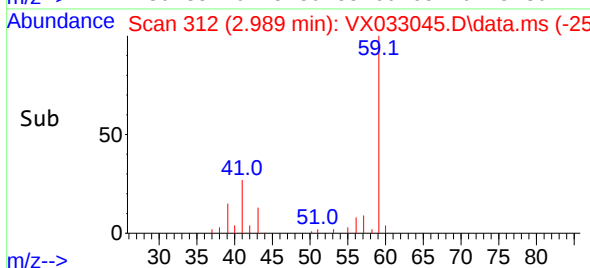
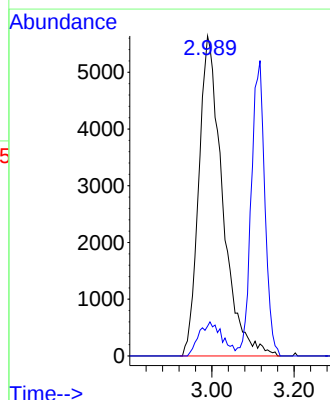
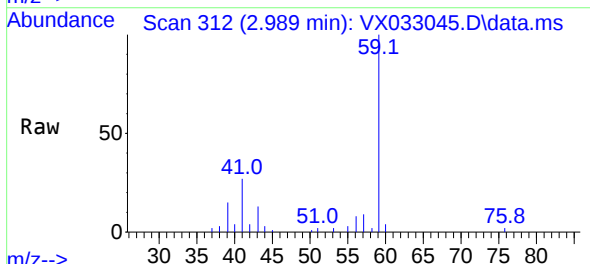
Instrument :
MSVOA_X
ClientSampleId :
MW-37

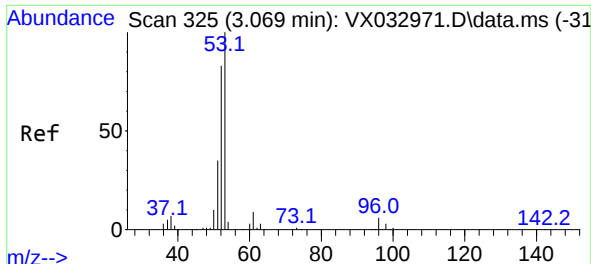
Tgt Ion: 64 Resp: 886
Ion Ratio Lower Upper
64 100
66 1.8 26.0 39.0#



#11
Tert butyl alcohol
Concen: 112.189 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Tgt Ion: 59 Resp: 22589
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

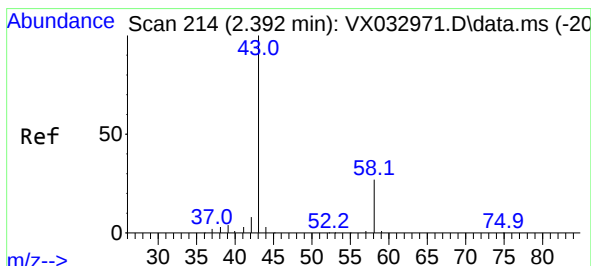
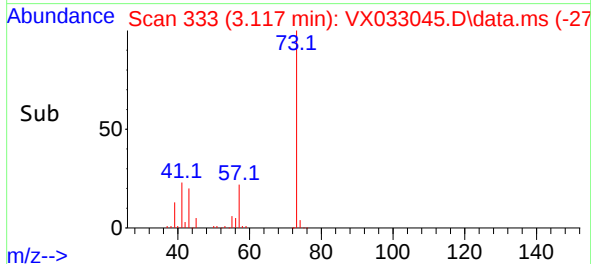
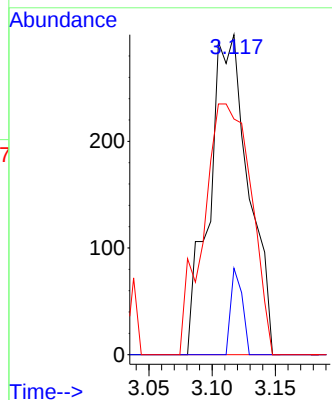
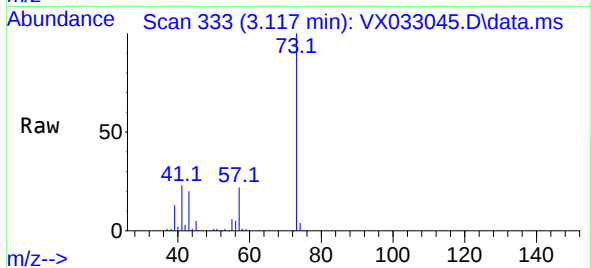




#15
Acrylonitrile
Concen: 1.138 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.055 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

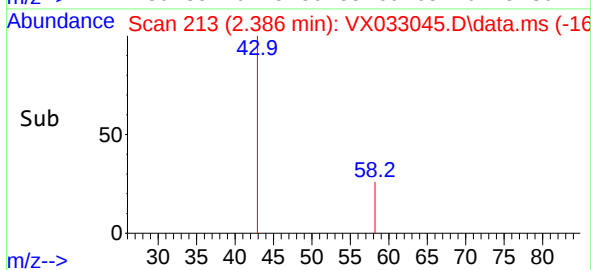
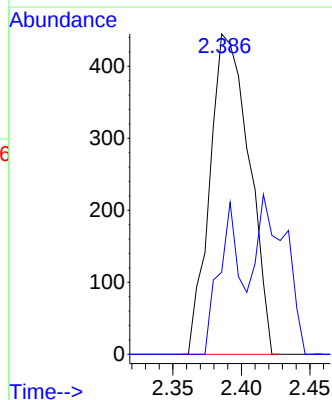
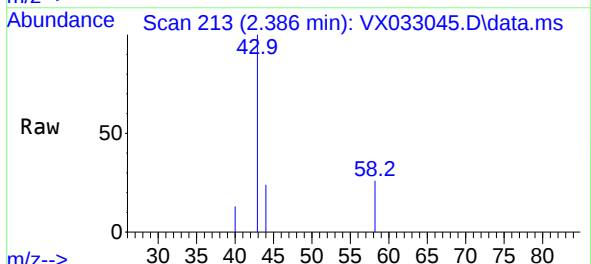
Instrument :
MSVOA_X
ClientSampleId :
MW-37

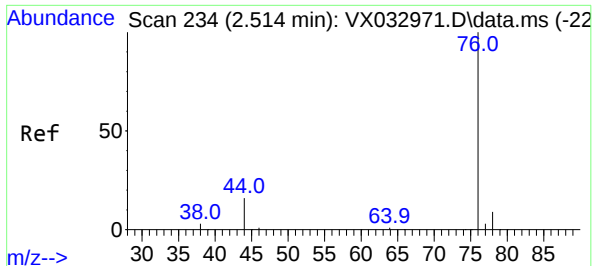
Tgt Ion: 53 Resp: 648
Ion Ratio Lower Upper
53 100
52 7.9 67.4 101.0#
51 95.1 30.3 45.5#



#16
Acetone
Concen: 1.499 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
58 25.6 23.8 35.8





#17

Carbon Disulfide

Concen: 0.368 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033045.D

Acq: 24 Nov 2022 07:36

Instrument :

MSVOA_X

ClientSampleId :

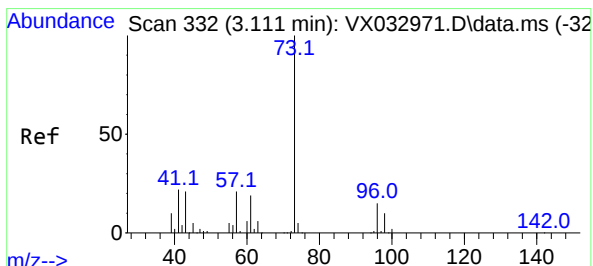
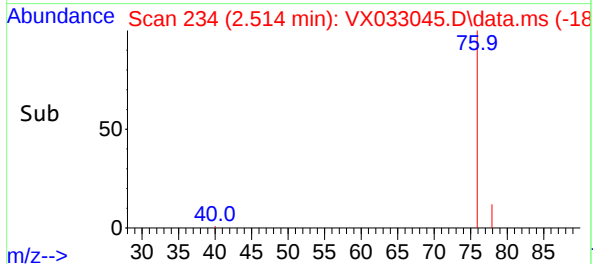
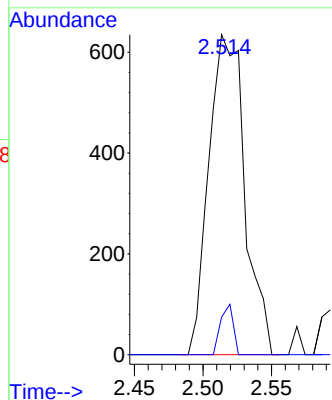
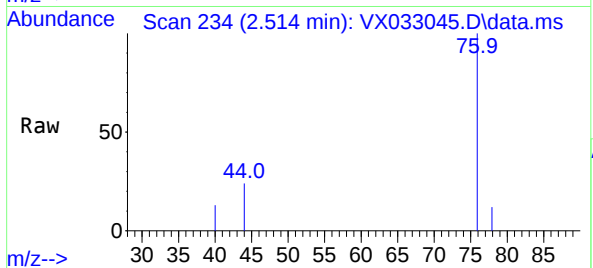
MW-37

Tgt Ion: 76 Resp: 1158

Ion Ratio Lower Upper

76 100

78 11.8 7.5 11.3#



#19

Methyl tert-butyl Ether

Concen: 14.726 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX033045.D

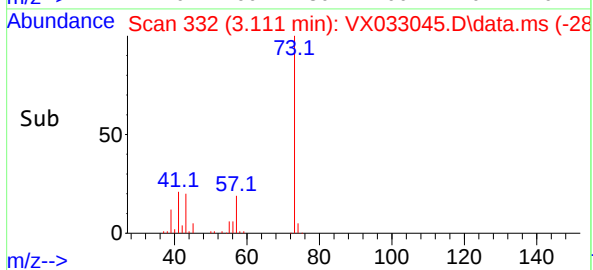
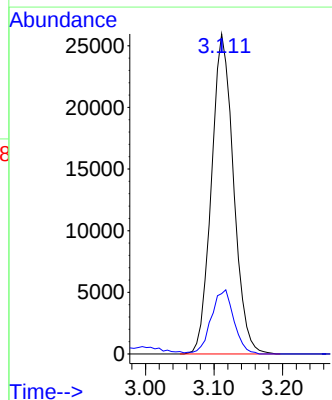
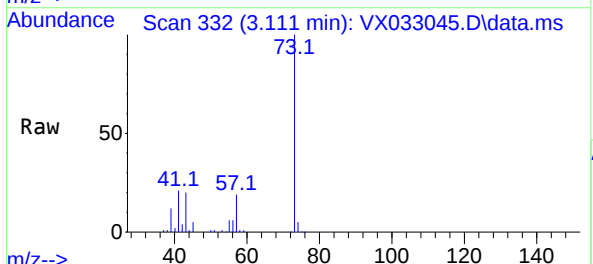
Acq: 24 Nov 2022 07:36

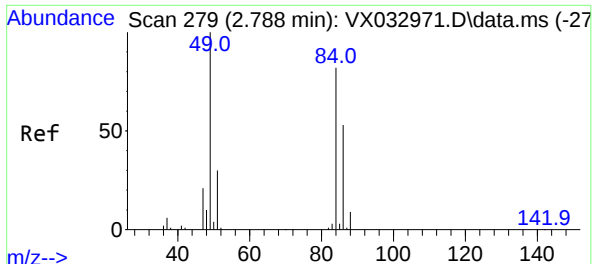
Tgt Ion: 73 Resp: 58128

Ion Ratio Lower Upper

73 100

57 18.8 16.6 25.0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX033045.D

Acq: 24 Nov 2022 07:36

Instrument :

MSVOA_X

ClientSampleId :

MW-37

Tgt Ion: 84 Resp: 86

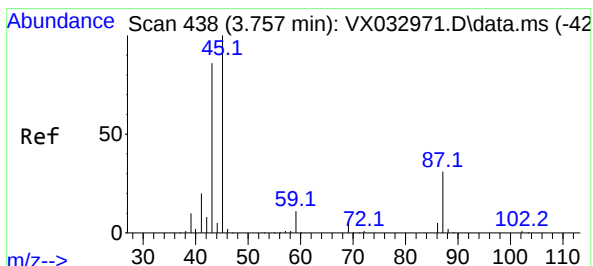
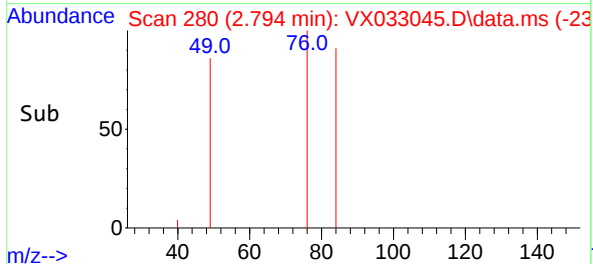
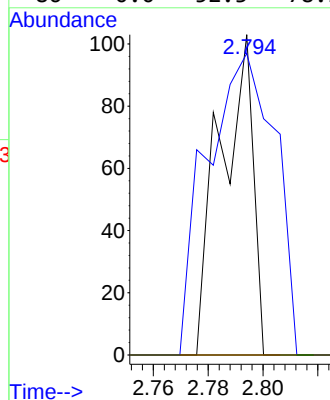
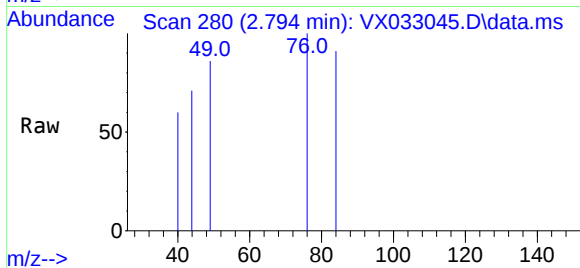
Ion Ratio Lower Upper

84 100

49 94.2 101.0 151.6#

51 0.0 31.1 46.7#

86 0.0 52.3 78.5#



#22

Diisopropyl ether

Concen: 1.135 ug/l

RT: 3.763 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX033045.D

Acq: 24 Nov 2022 07:36

Tgt Ion: 45 Resp: 4540

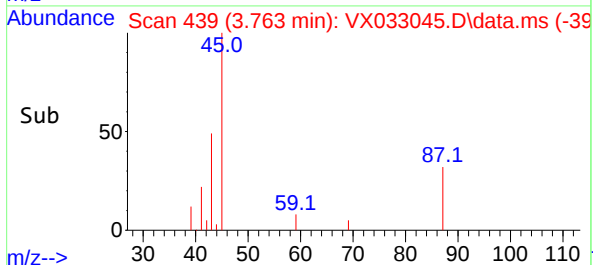
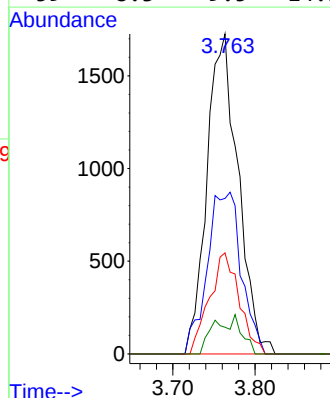
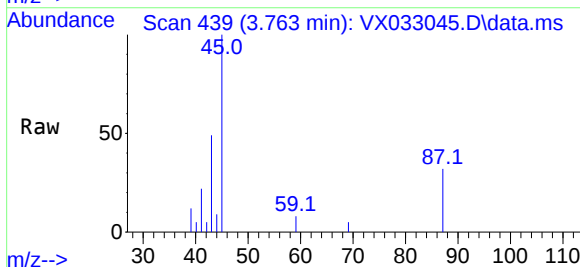
Ion Ratio Lower Upper

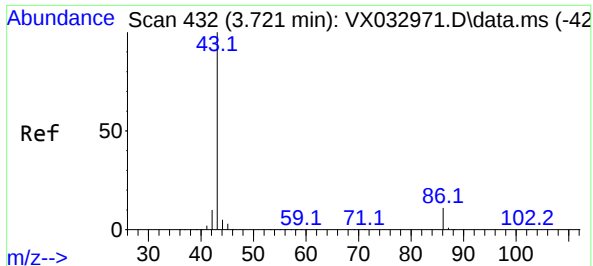
45 100

43 48.6 56.4 84.6#

87 31.6 24.4 36.6

59 8.3 9.5 14.3#

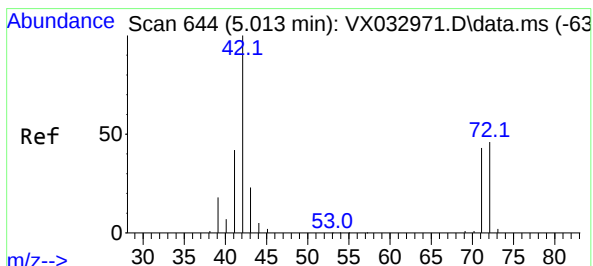
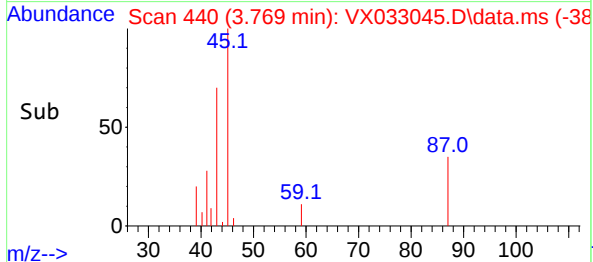
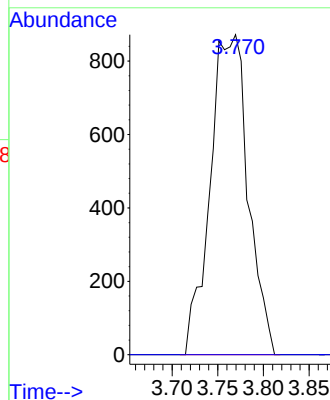
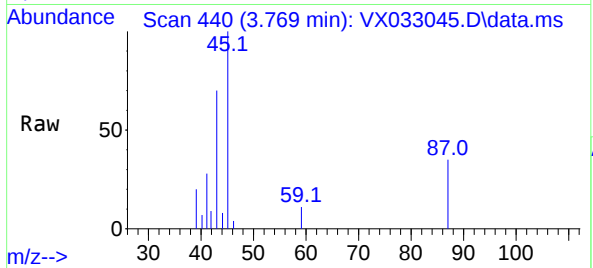




#23
 Vinyl Acetate
 Concen: 0.803 ug/l
 RT: 3.769 min Scan# 441
 Delta R.T. 0.048 min
 Lab File: VX033045.D
 Acq: 24 Nov 2022 07:36

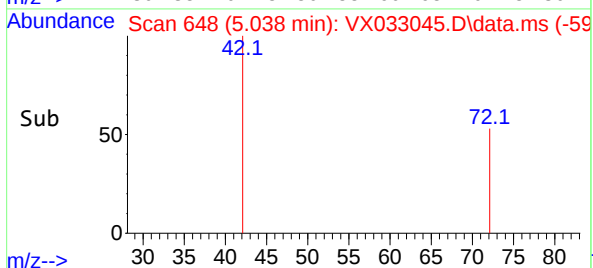
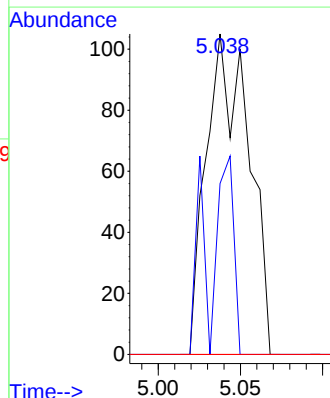
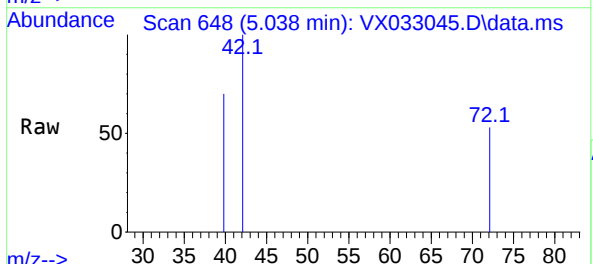
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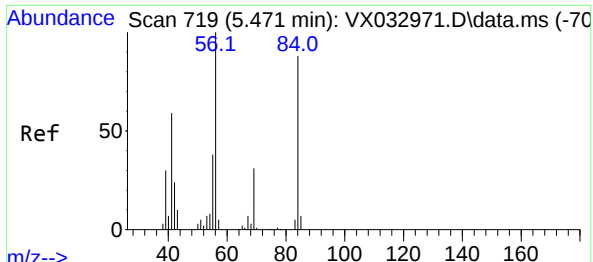
Tgt Ion: 43 Resp: 2515
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#29
 Tetrahydrofuran
 Concen: 0.362 ug/l
 RT: 5.038 min Scan# 648
 Delta R.T. 0.037 min
 Lab File: VX033045.D
 Acq: 24 Nov 2022 07:36

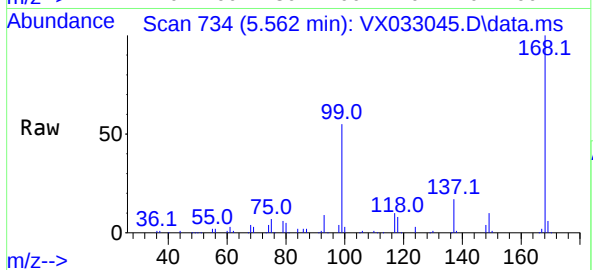
Tgt Ion: 42 Resp: 188
 Ion Ratio Lower Upper
 42 100
 72 23.4 37.6 56.4#
 71 0.0 34.7 52.1#



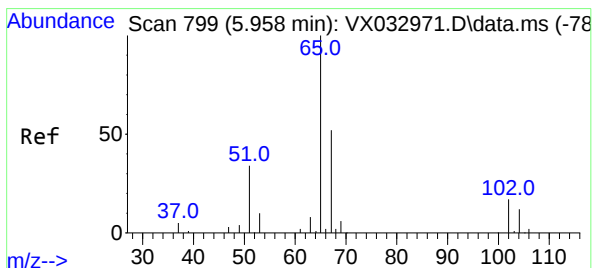
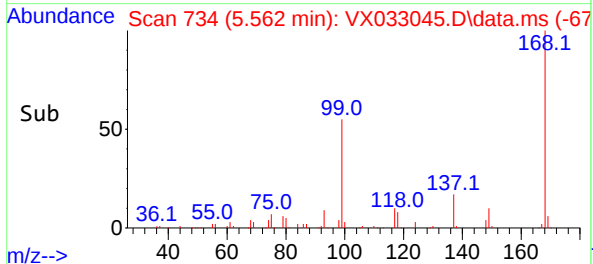
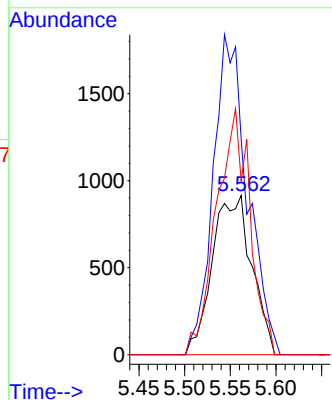


#31
Cyclohexane
Concen: 1.331 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Instrument :
MSVOA_X
ClientSampleId :
MW-37

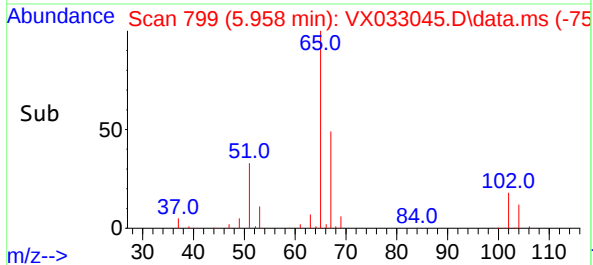
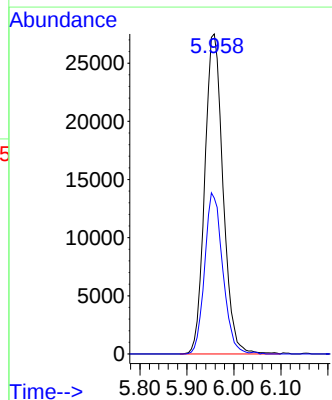
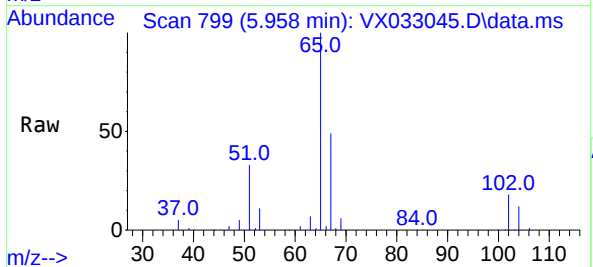


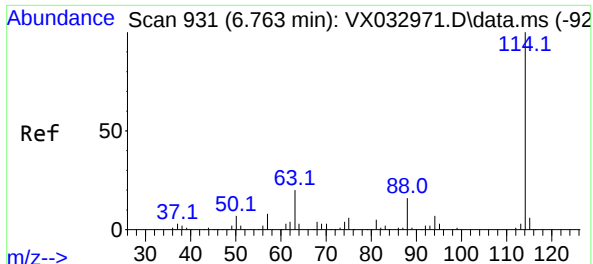
Tgt Ion: 56 Resp: 2740
Ion Ratio Lower Upper
56 100
69 135.5 24.1 36.1#
84 109.2 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 58.912 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Tgt Ion: 65 Resp: 74370
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.8



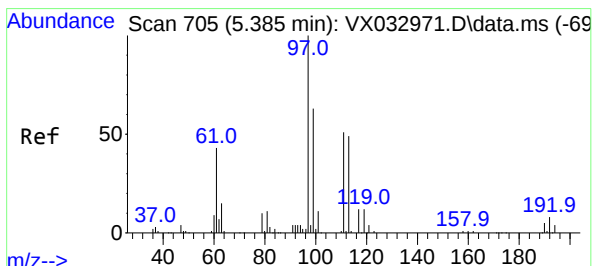
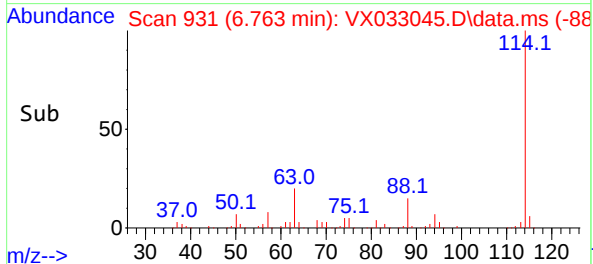
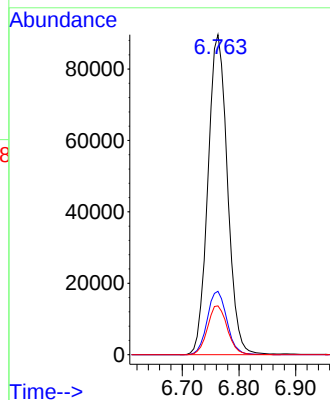
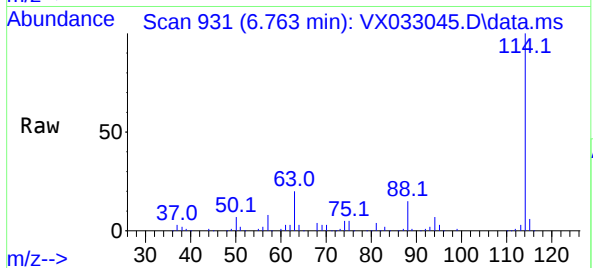


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Instrument :
MSVOA_X
ClientSampleId :
MW-37

Tgt Ion:114 Resp: 214379

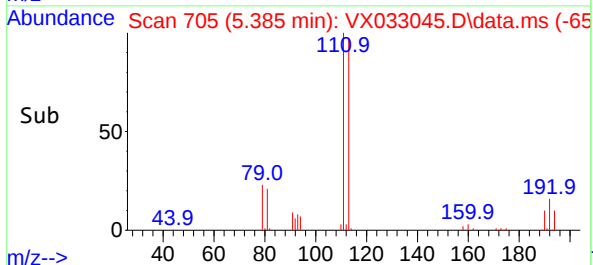
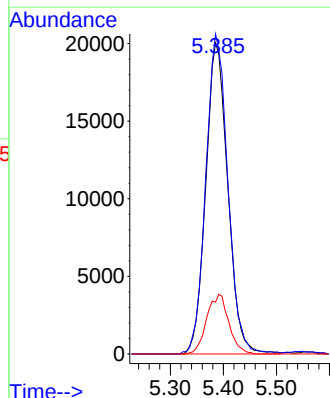
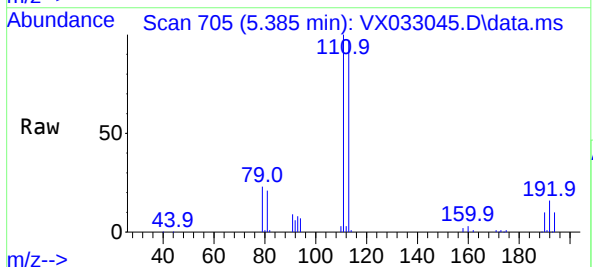
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.6
88	15.3	0.0	33.4

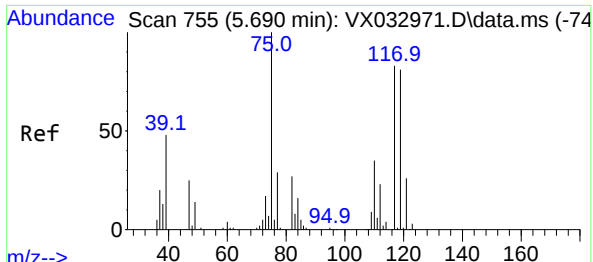


#35
Dibromofluoromethane
Concen: 47.915 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Tgt Ion:113 Resp: 57909

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.4	123.6
192	19.1	15.4	23.2

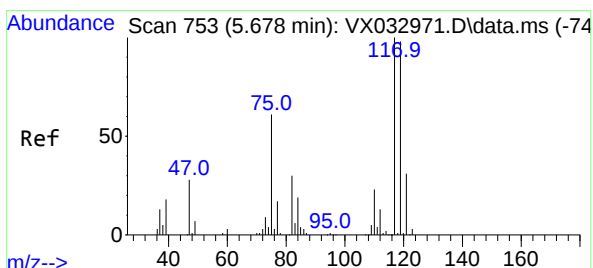
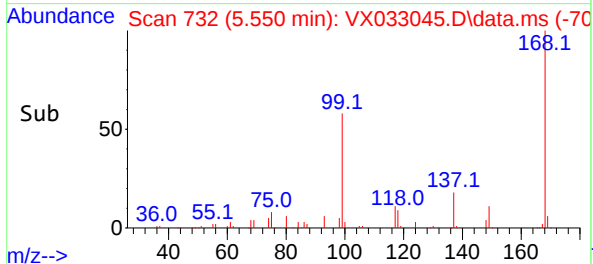
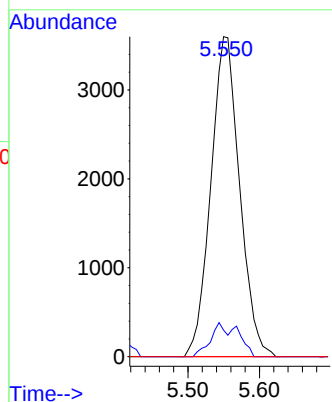
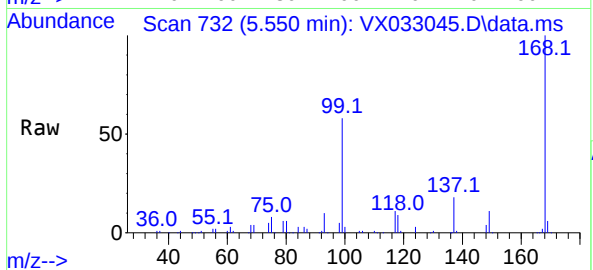




#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

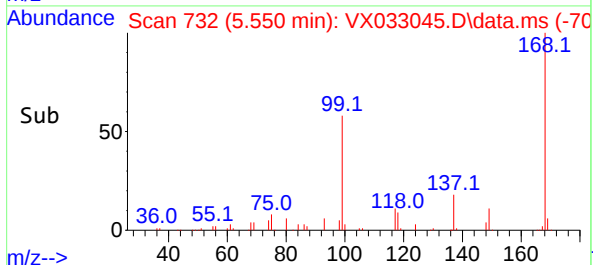
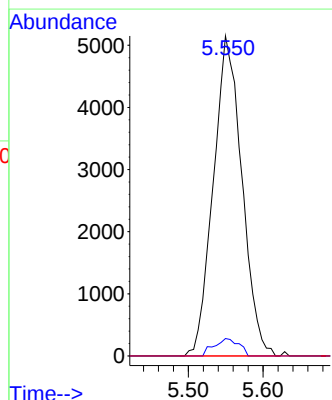
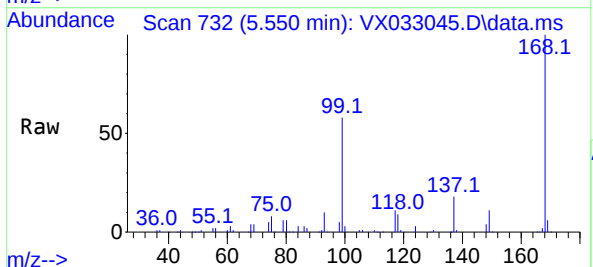
Instrument :
MSVOA_X
ClientSampleId :
MW-37

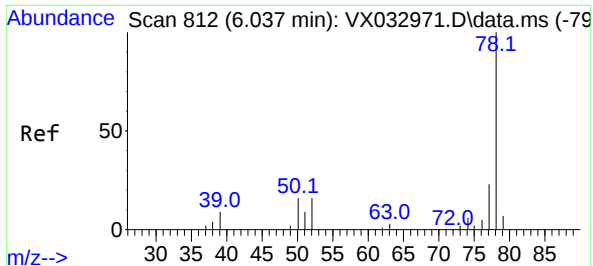
Tgt Ion: 75 Resp: 10052
Ion Ratio Lower Upper
75 100
110 6.0 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Tgt Ion: 117 Resp: 13689
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 25.8 38.6#

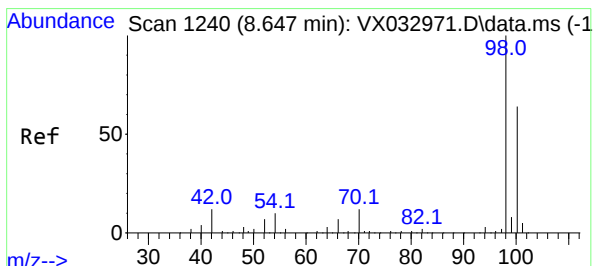
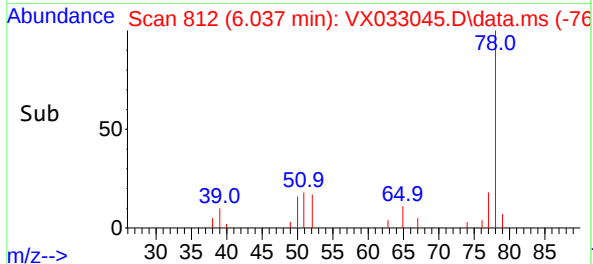
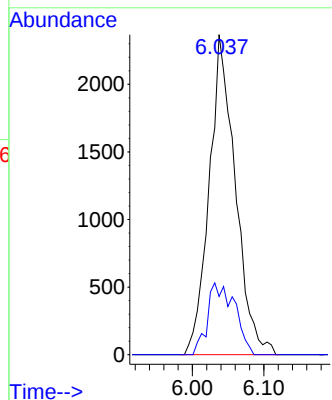
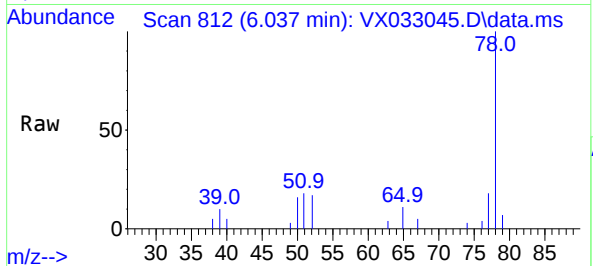




#40
Benzene
Concen: 1.110 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

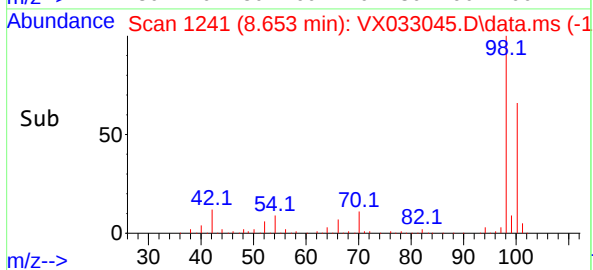
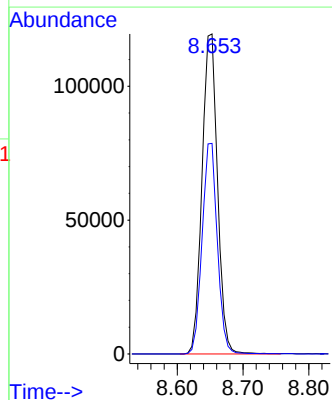
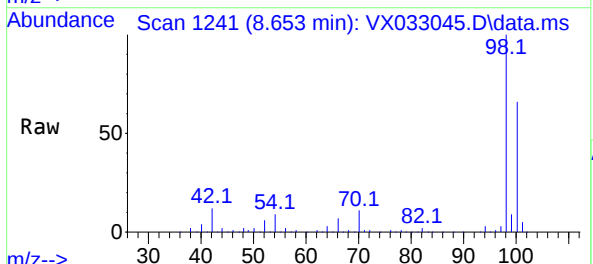
Instrument :
MSVOA_X
ClientSampleId :
MW-37

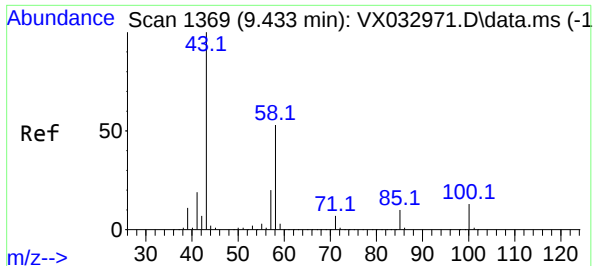
Tgt Ion: 78 Resp: 6012
Ion Ratio Lower Upper
78 100
77 18.2 19.0 28.4#



#50
Toluene-d8
Concen: 54.017 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Tgt Ion: 98 Resp: 195797
Ion Ratio Lower Upper
98 100
100 64.7 50.9 76.3





#59

2-Hexanone

Concen: 0.358 ug/l

RT: 9.451 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX033045.D

Acq: 24 Nov 2022 07:36

Instrument :

MSVOA_X

ClientSampleId :

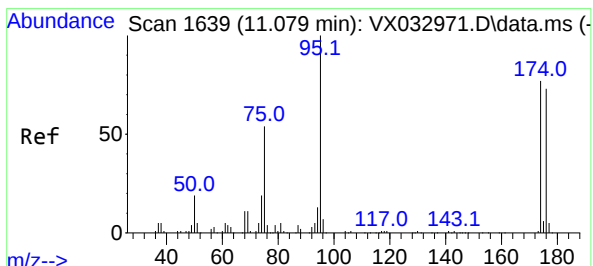
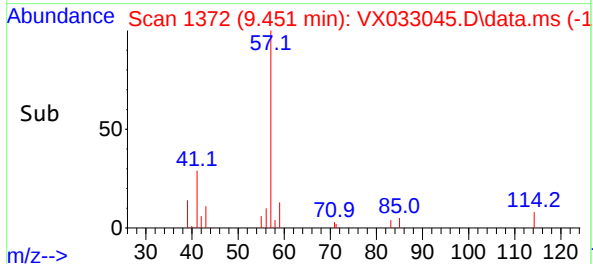
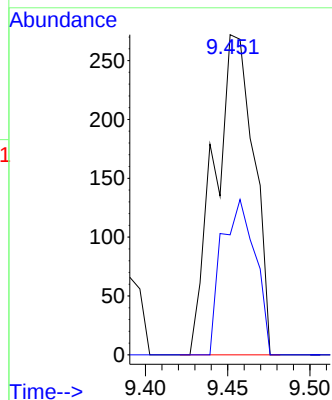
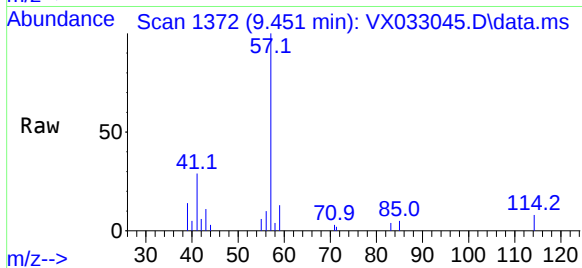
MW-37

Tgt Ion: 43 Resp: 455

Ion Ratio Lower Upper

43 100

58 40.9 26.5 79.5



#62

4-Bromofluorobenzene

Concen: 44.060 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033045.D

Acq: 24 Nov 2022 07:36

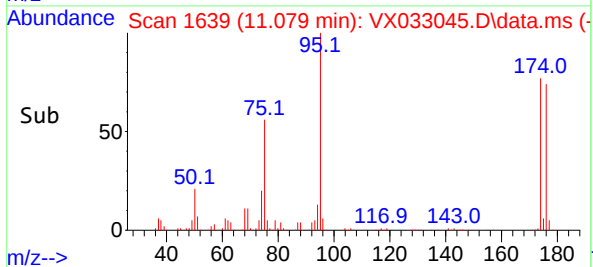
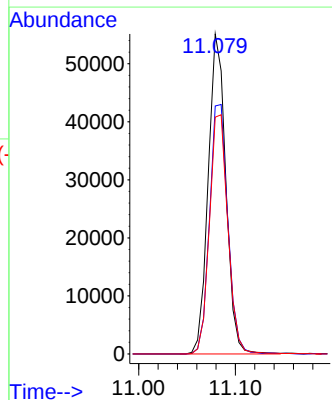
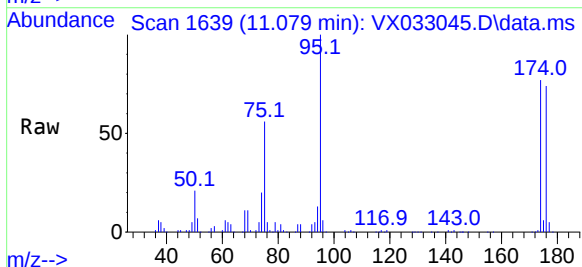
Tgt Ion: 95 Resp: 69950

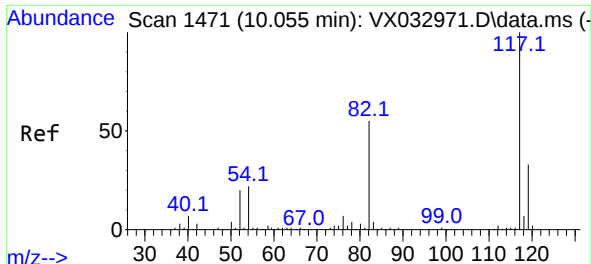
Ion Ratio Lower Upper

95 100

174 81.0 0.0 164.0

176 78.3 0.0 154.4

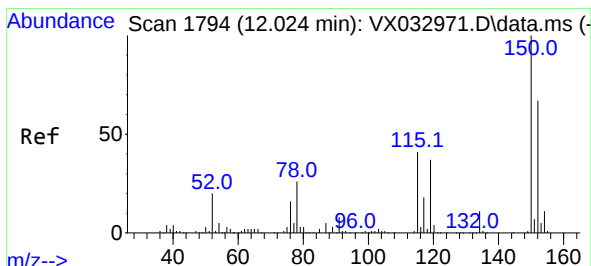
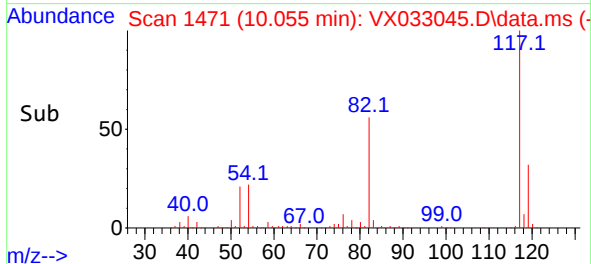
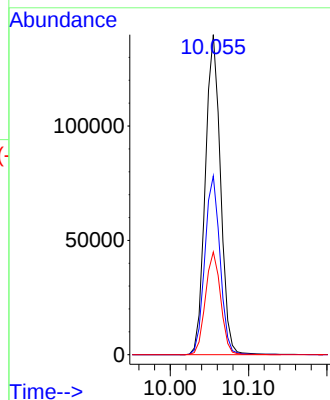
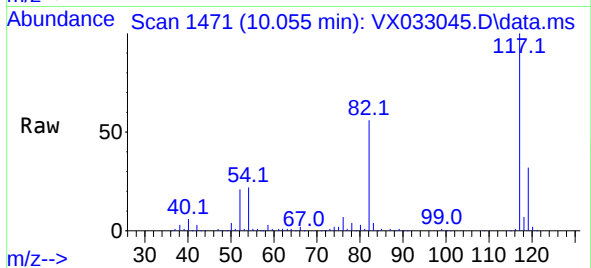




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

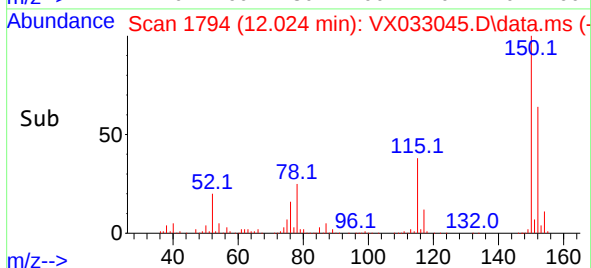
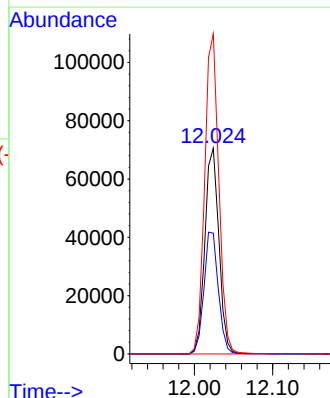
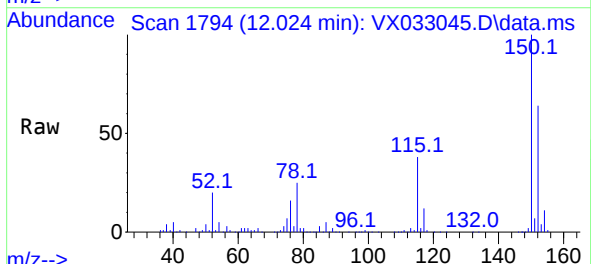
Instrument :
MSVOA_X
ClientSampleId :
MW-37

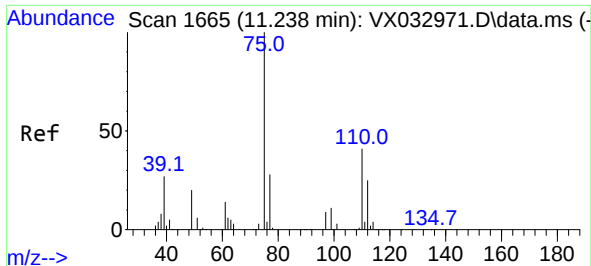
Tgt Ion:117 Resp: 188138
Ion Ratio Lower Upper
117 100
82 55.9 44.3 66.5
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Tgt Ion:152 Resp: 87954
Ion Ratio Lower Upper
152 100
115 60.8 44.0 132.0
150 156.3 0.0 351.8

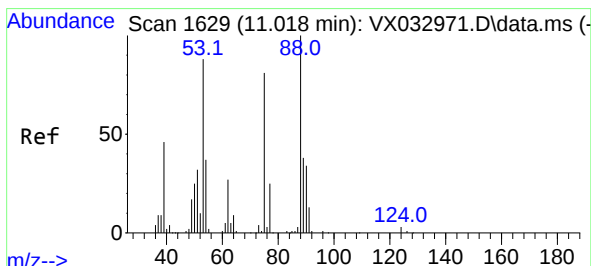
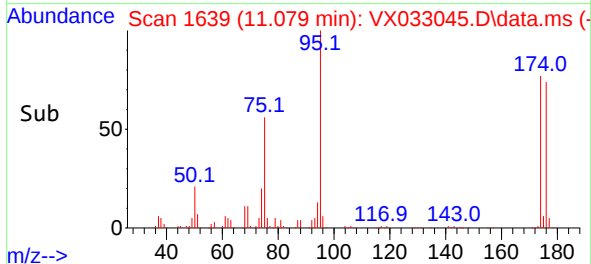
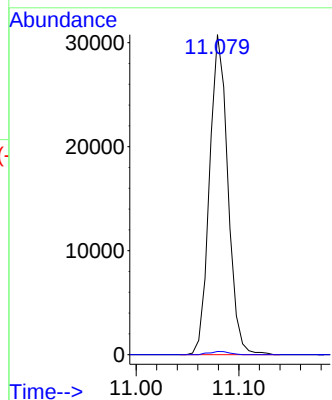
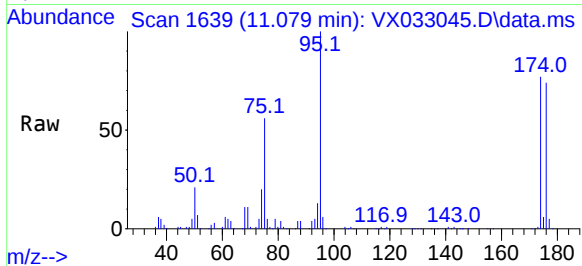




#76
1,2,3-Trichloropropane
Concen: 22.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Instrument :
MSVOA_X
ClientSampleId :
MW-37

Tgt Ion: 75 Resp: 38229
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.600 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033045.D
Acq: 24 Nov 2022 07:36

Tgt Ion: 75 Resp: 38229
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

