

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031987.D
 Acq On : 08 Oct 2022 02:42
 Operator : JC/MD
 Sample : N4937-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-117

Quant Time: Oct 08 06:35:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

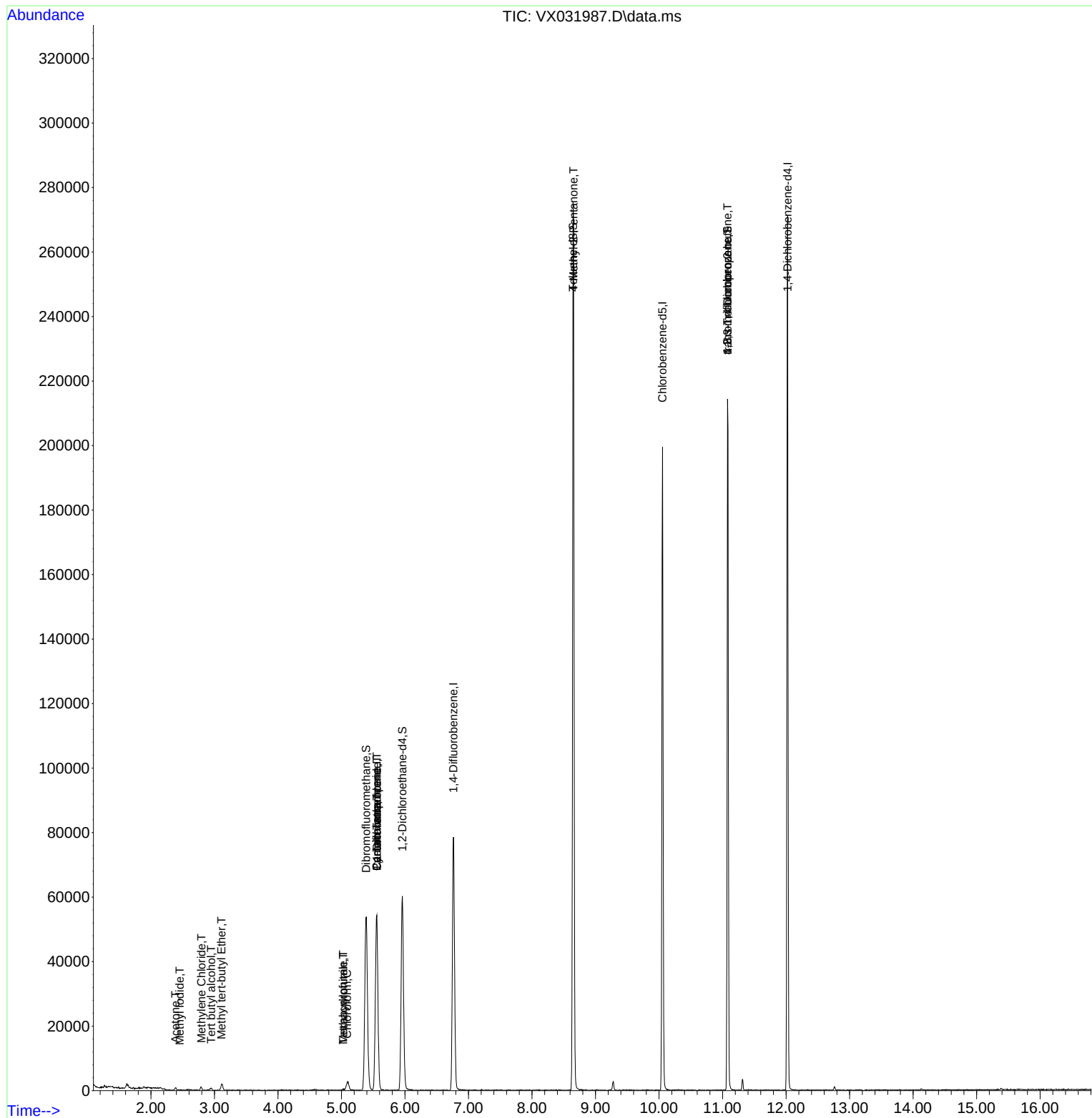
Internal Standards						
1) Pentafluorobenzene	5.556	168	51933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	81587	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	87472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55825	52.050	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.100%	
35) Dibromofluoromethane	5.385	113	47288	51.204	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.400%	
50) Toluene-d8	8.647	98	166019	49.958	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.920%	
62) 4-Bromofluorobenzene	11.079	95	56252	47.881	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.760%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	229	Below Cal		82
10) Methyl Iodide	2.453	142	22	2.779	ug/l #	38
11) Tert butyl alcohol	2.947	59	385	2.885	ug/l #	73
16) Acetone	2.386	43	826	2.266	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	2282	0.860	ug/l #	84
20) Methylene Chloride	2.794	84	482	0.503	ug/l #	74
29) Tetrahydrofuran	5.026	42	234	0.636	ug/l #	60
30) Chloroform	5.087	83	3381	2.001	ug/l #	83
31) Cyclohexane	5.556	56	1043	0.814	ug/l #	3
36) 1,1-Dichloropropene	5.556	75	4023	3.285	ug/l #	49
38) Carbon Tetrachloride	5.556	117	5368	4.287	ug/l #	17
41) Methacrylonitrile	5.026	41	151	0.252	ug/l #	23
51) 4-Methyl-2-Pentanone	8.653	43	894	0.771	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	28887	26.300	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	28887	90.211	ug/l #	11

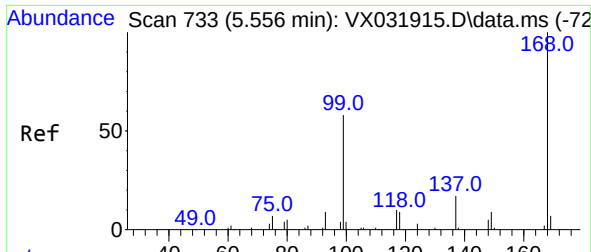
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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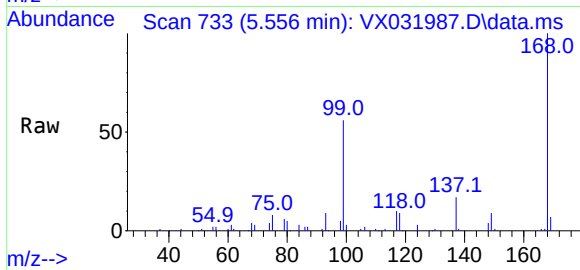
Quant Time: Oct 08 06:35:34 2022
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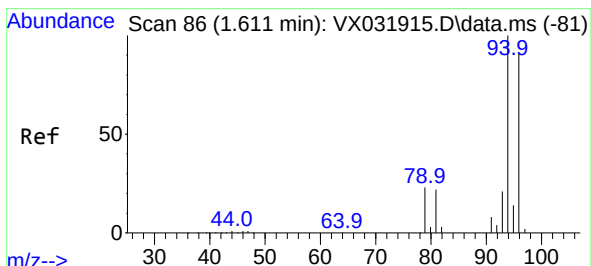
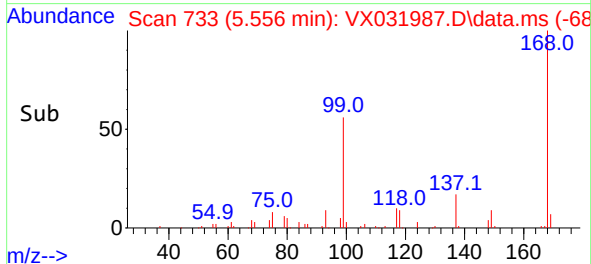
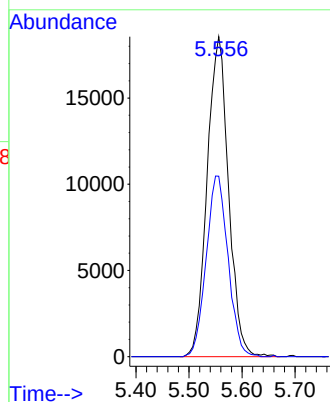


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

Instrument :
MSVOA_X
ClientSampleId :
MW-117

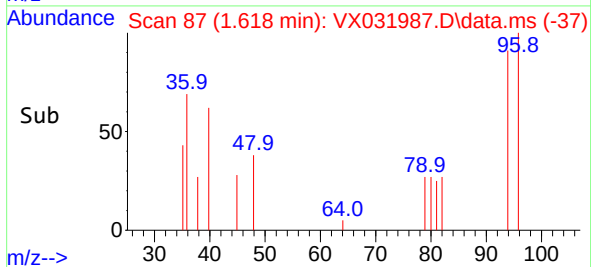
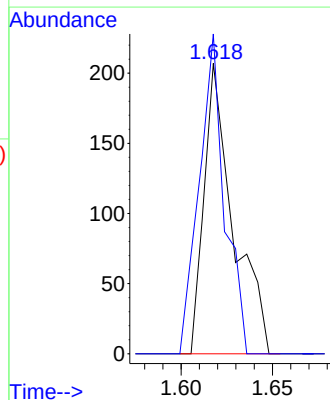
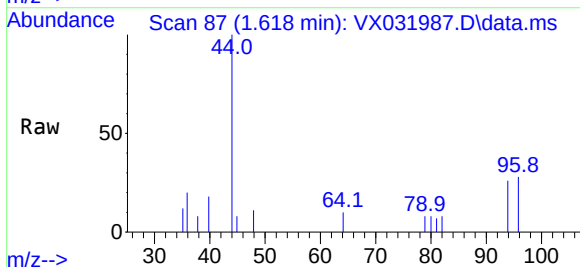


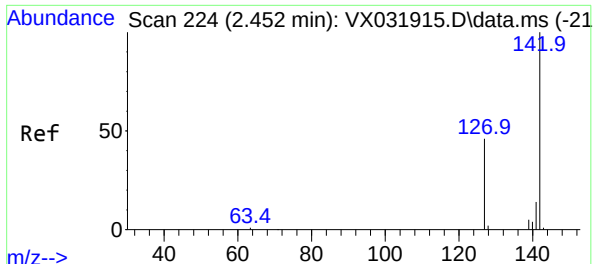
Tgt Ion:168 Resp: 51933
Ion Ratio Lower Upper
168 100
99 56.4 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 110.1 74.4 111.6

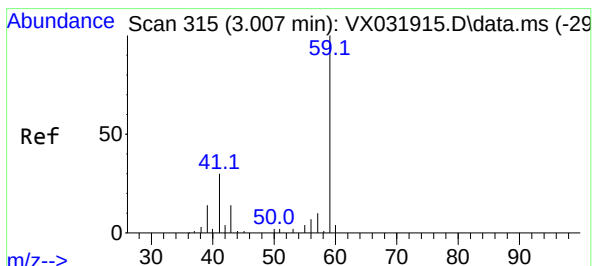
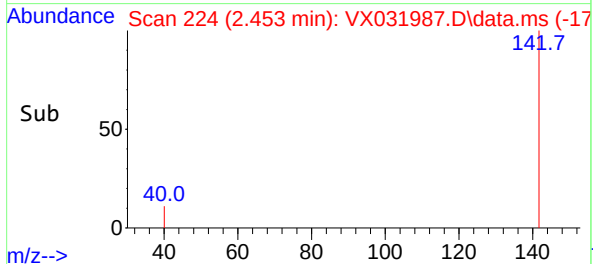
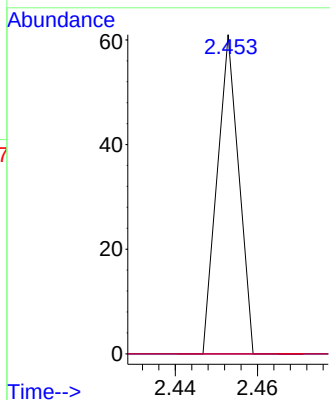
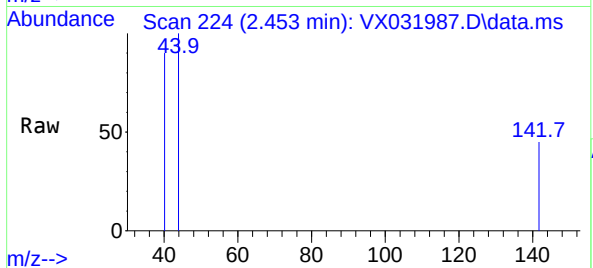




#10
Methyl Iodide
Concen: 2.779 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

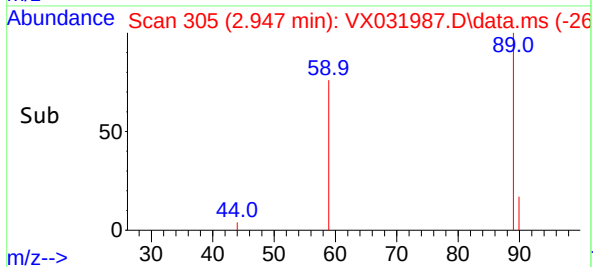
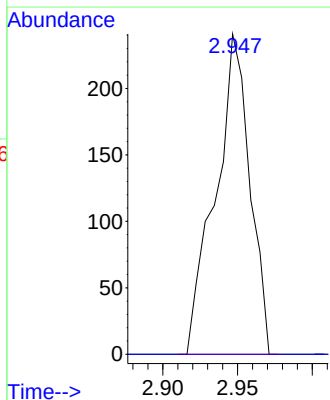
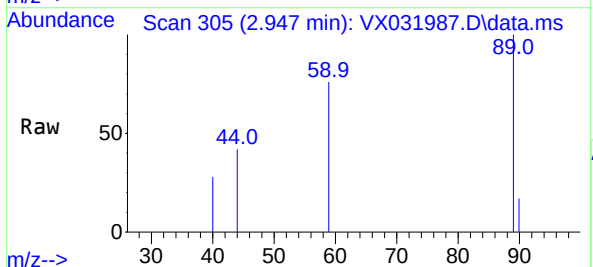
Instrument :
MSVOA_X
ClientSampleId :
MW-117

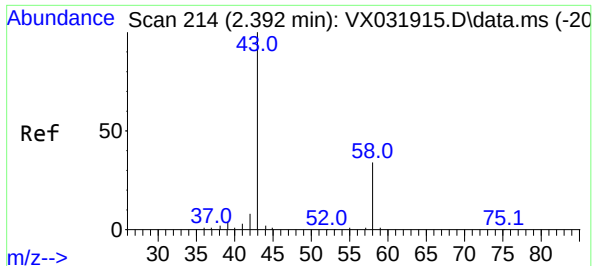
Tgt Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.885 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.060 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

Tgt Ion: 59 Resp: 385
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

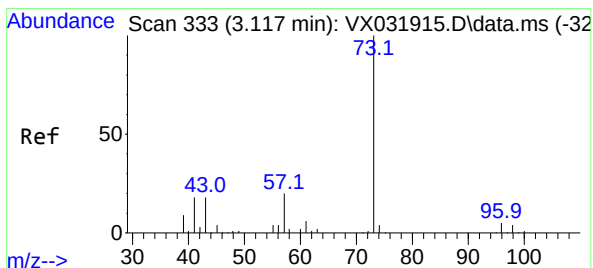
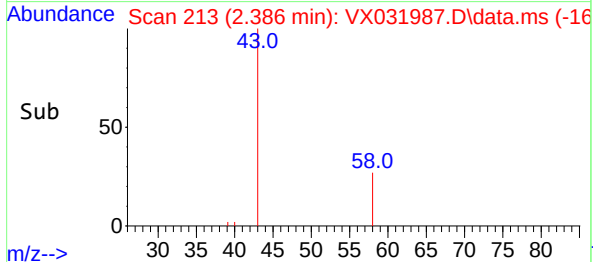
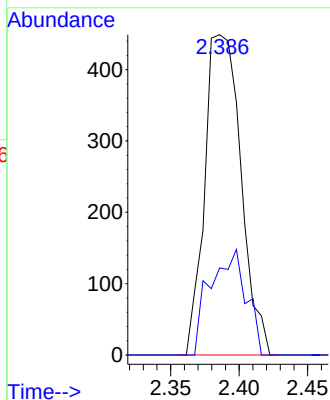
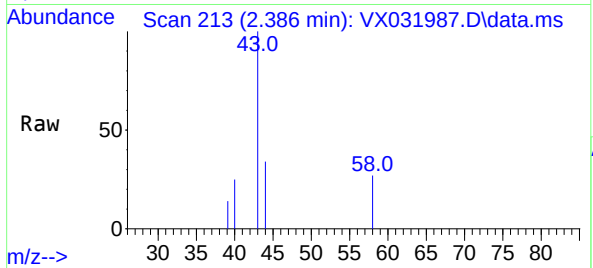




#16
Acetone
Concen: 2.266 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

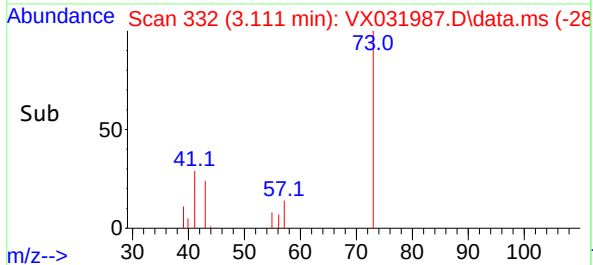
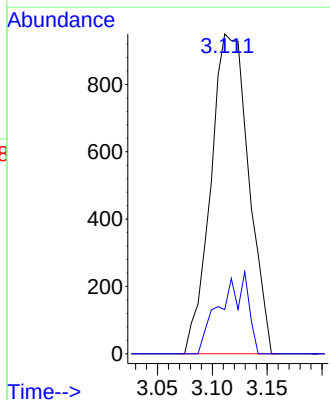
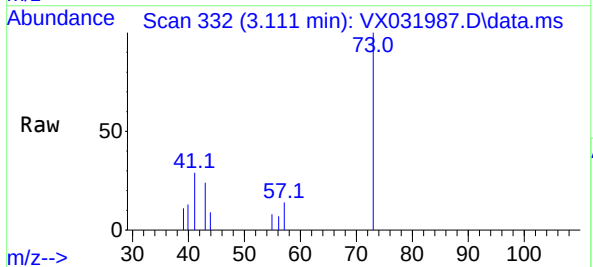
Instrument :
MSVOA_X
ClientSampleId :
MW-117

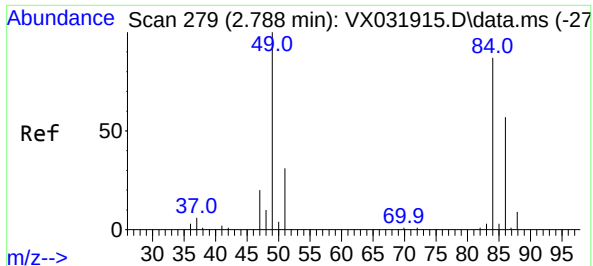
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 27.2 23.8 35.8



#19
Methyl tert-butyl Ether
Concen: 0.860 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

Tgt Ion: 73 Resp: 2282
Ion Ratio Lower Upper
73 100
57 13.8 17.2 25.8#





#20

Methylene Chloride

Concen: 0.503 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031987.D

Acq: 08 Oct 2022 02:42

Instrument :

MSVOA_X

ClientSampleId :

MW-117

Tgt Ion: 84 Resp: 482

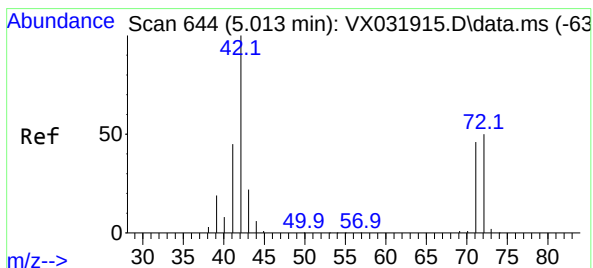
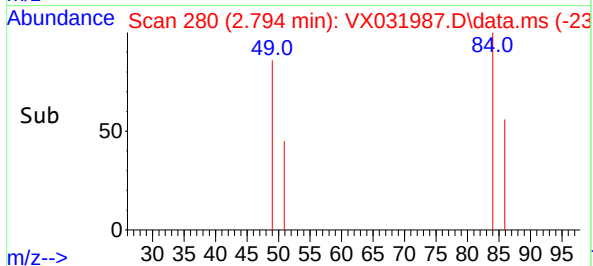
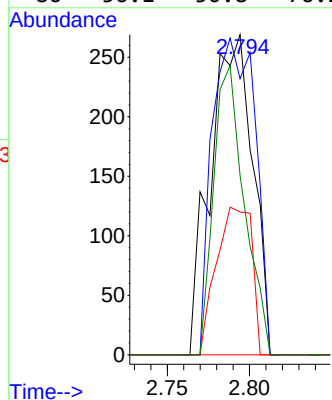
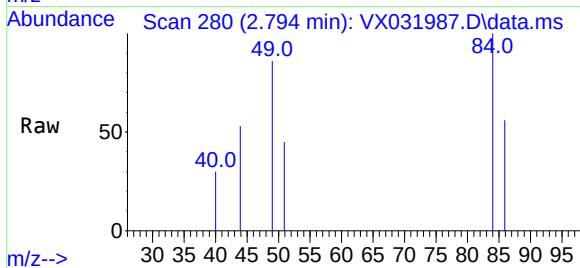
Ion Ratio Lower Upper

84 100

49 86.2 105.9 158.9#

51 44.6 32.2 48.2

86 56.1 50.8 76.2



#29

Tetrahydrofuran

Concen: 0.636 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.013 min

Lab File: VX031987.D

Acq: 08 Oct 2022 02:42

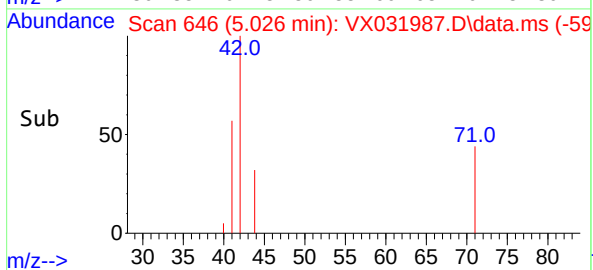
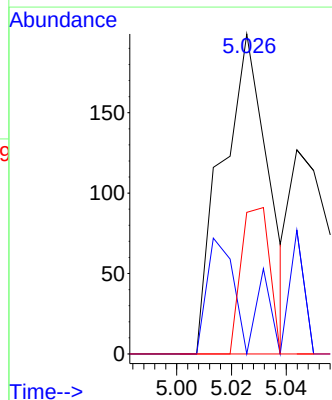
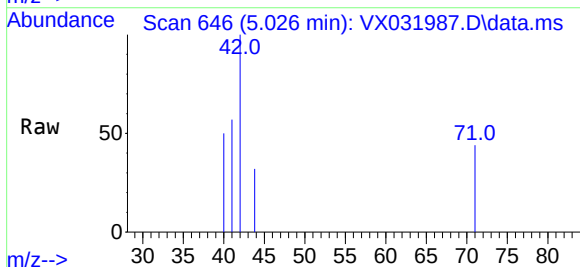
Tgt Ion: 42 Resp: 234

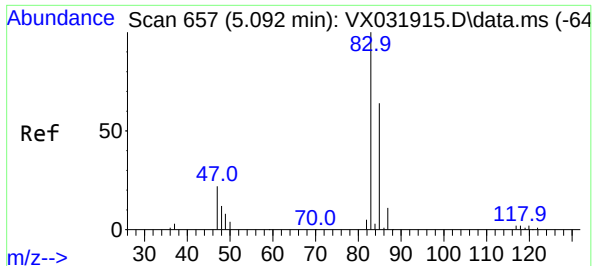
Ion Ratio Lower Upper

42 100

72 8.1 36.4 54.6#

71 27.8 33.5 50.3#





#30

Chloroform

Concen: 2.001 ug/l

RT: 5.087 min Scan# 61

Delta R.T. -0.005 min

Lab File: VX031987.D

Acq: 08 Oct 2022 02:42

Instrument :

MSVOA_X

ClientSampleId :

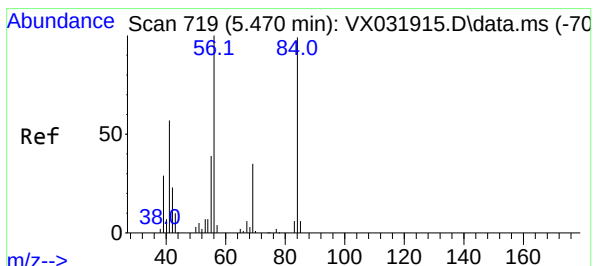
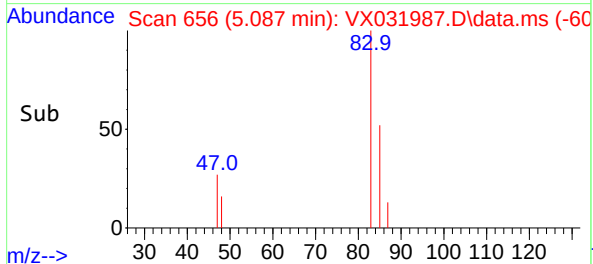
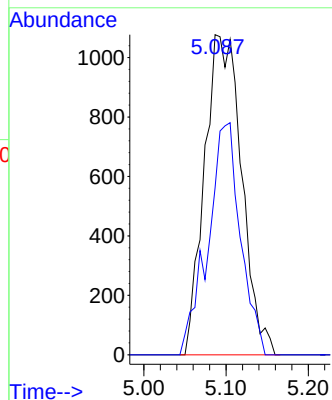
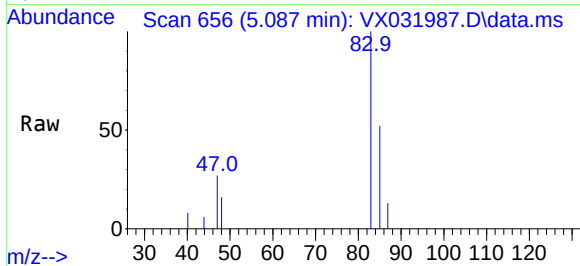
MW-117

Tgt Ion: 83 Resp: 3381

Ion Ratio Lower Upper

83 100

85 52.2 52.8 79.2#



#31

Cyclohexane

Concen: 0.814 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX031987.D

Acq: 08 Oct 2022 02:42

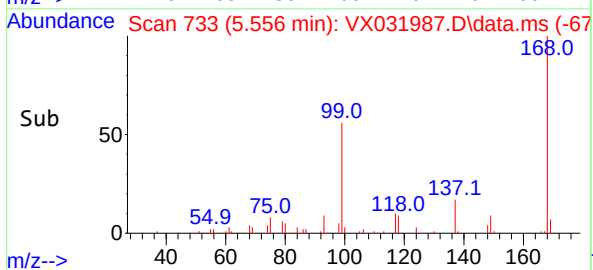
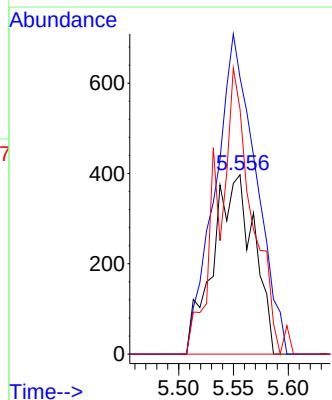
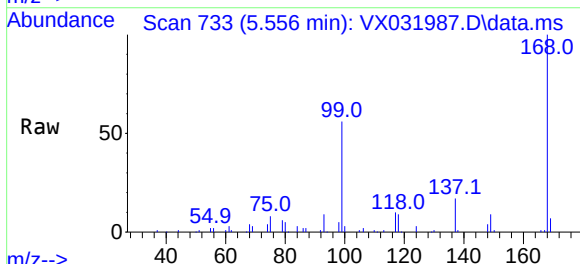
Tgt Ion: 56 Resp: 1043

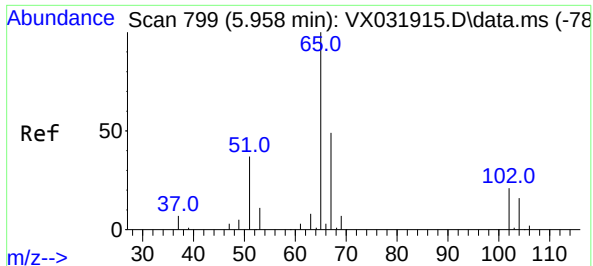
Ion Ratio Lower Upper

56 100

69 154.2 25.1 37.7#

84 136.5 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 52.050 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031987.D

Acq: 08 Oct 2022 02:42

Instrument :

MSVOA_X

ClientSampleId :

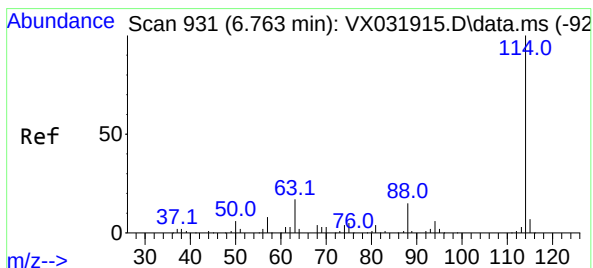
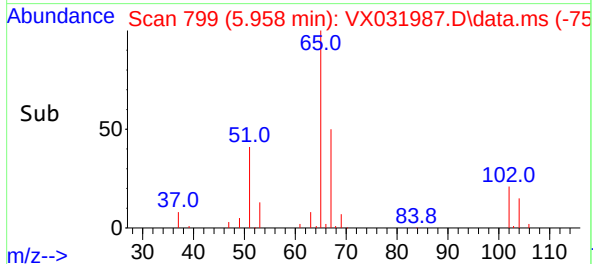
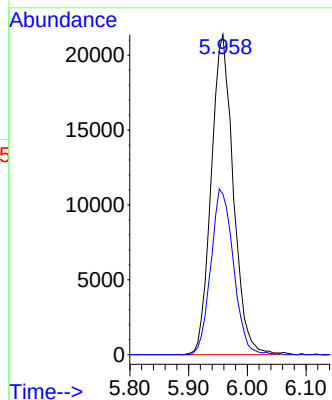
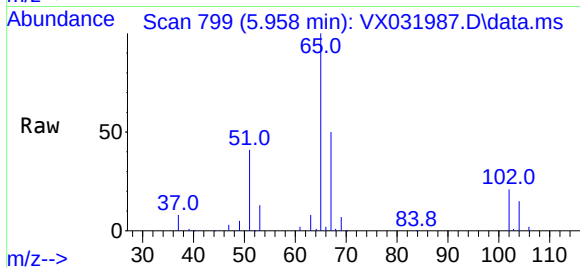
MW-117

Tgt Ion: 65 Resp: 55825

Ion Ratio Lower Upper

65 100

67 53.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031987.D

Acq: 08 Oct 2022 02:42

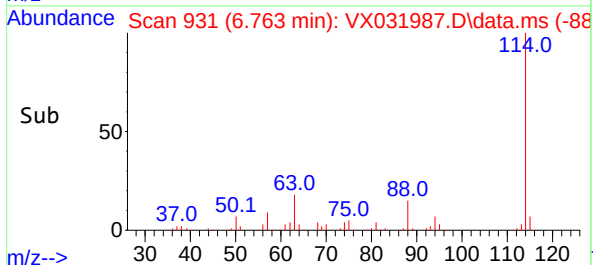
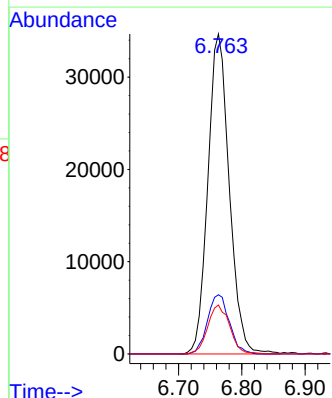
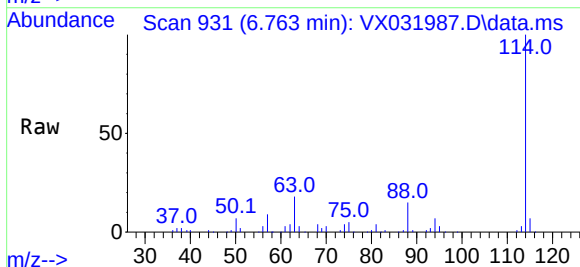
Tgt Ion: 114 Resp: 81587

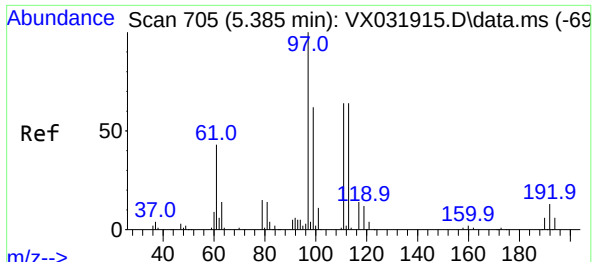
Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

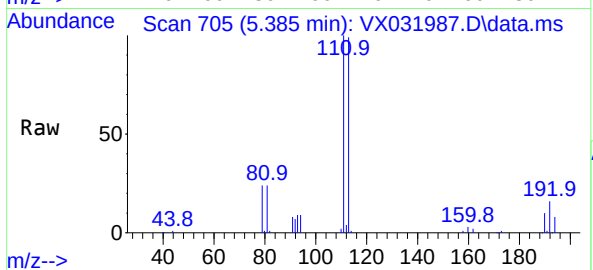
88 15.3 0.0 33.0





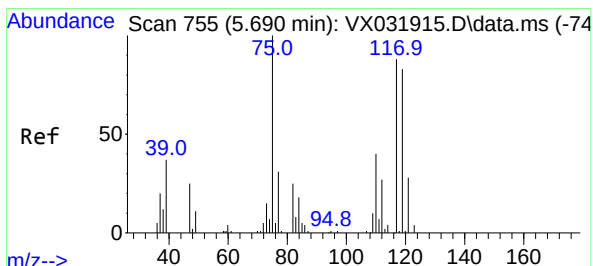
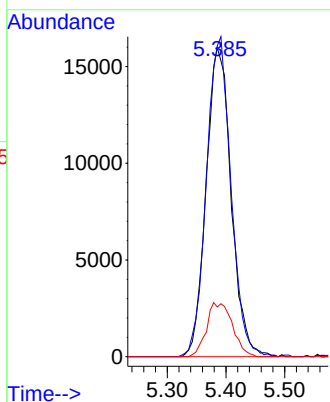
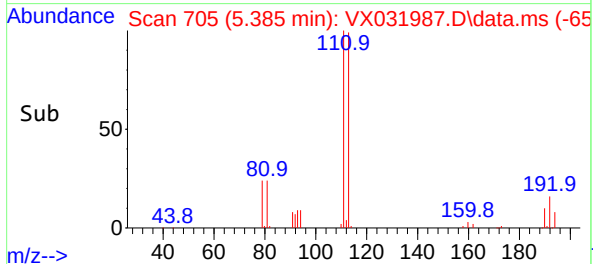
#35
Dibromofluoromethane
Concen: 51.204 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

Instrument :
MSVOA_X
ClientSampleId :
MW-117

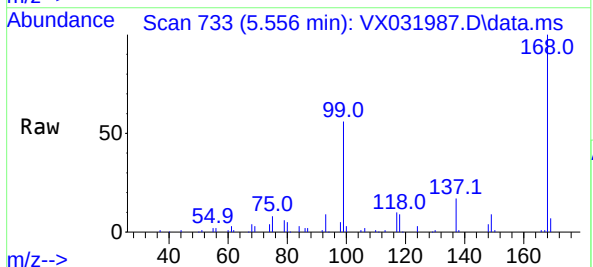


Tgt Ion:113 Resp: 47288

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.4	123.6
192	18.1	14.1	21.1

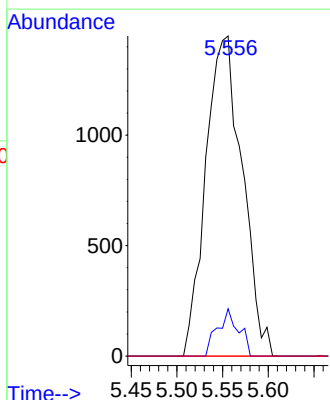
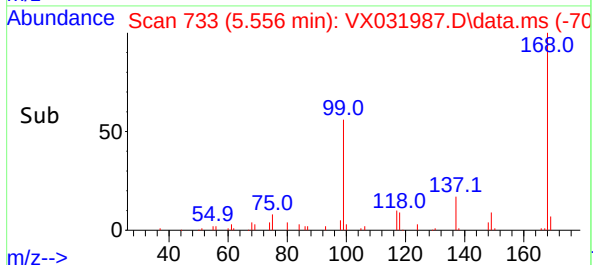


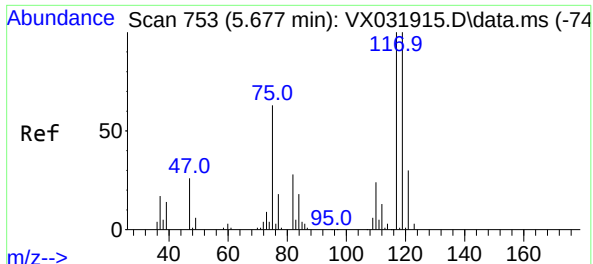
#36
1,1-Dichloropropene
Concen: 3.285 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42



Tgt Ion: 75 Resp: 4023

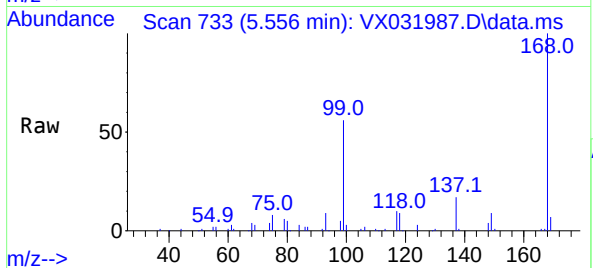
Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.5	52.5#
77	0.0	24.9	37.3#



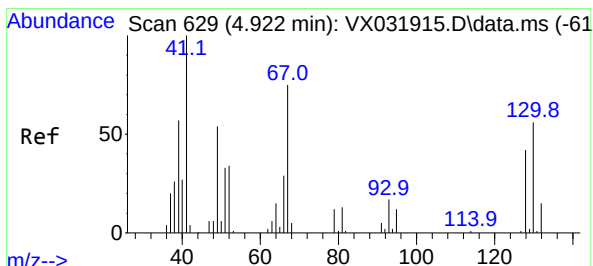
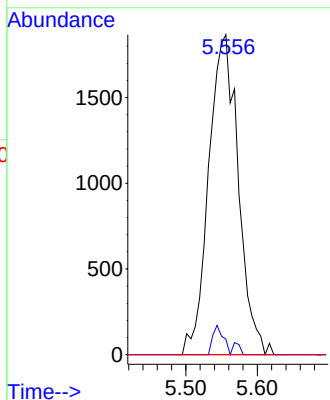
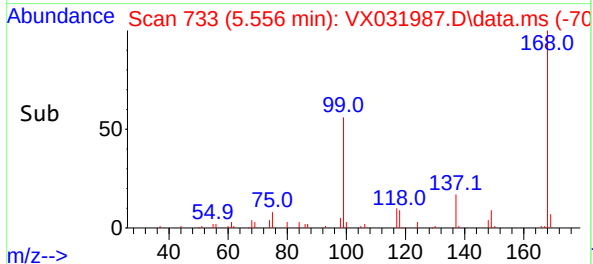


#38
Carbon Tetrachloride
Concen: 4.287 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

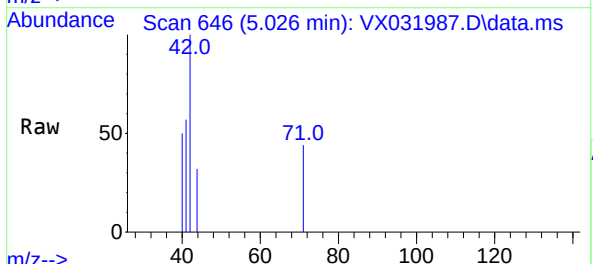
Instrument :
MSVOA_X
ClientSampleId :
MW-117



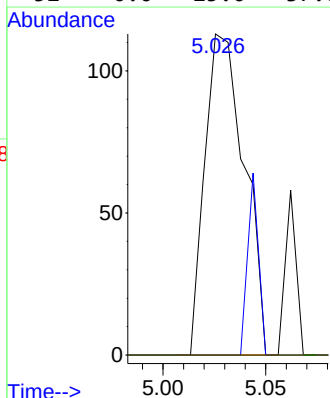
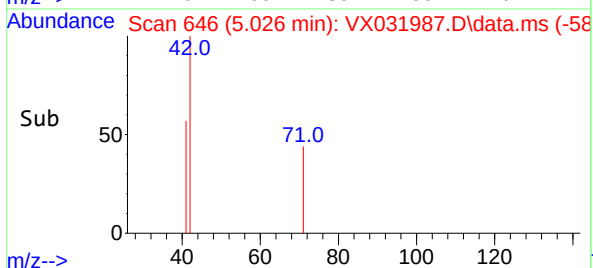
Tgt Ion:117 Resp: 5368
Ion Ratio Lower Upper
117 100
119 4.9 74.6 112.0#
121 0.0 25.3 37.9#

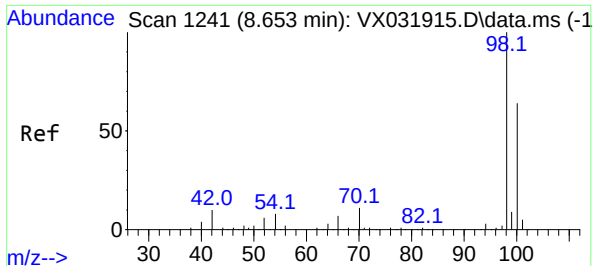


#41
Methacrylonitrile
Concen: 0.252 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42



Tgt Ion: 41 Resp: 151
Ion Ratio Lower Upper
41 100
39 0.0 45.0 67.6#
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#

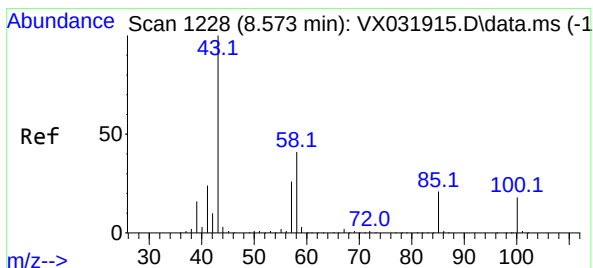
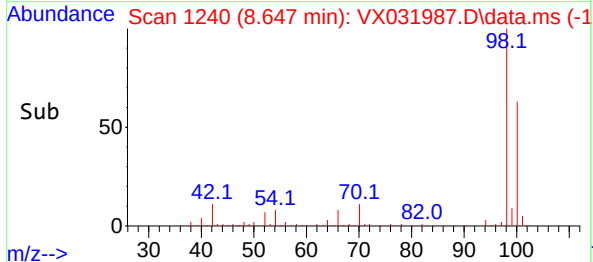
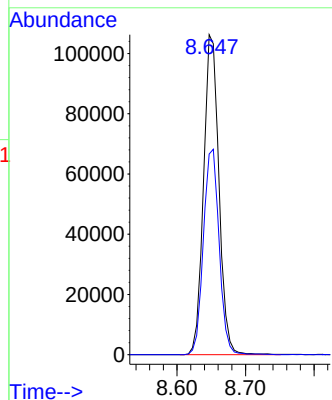
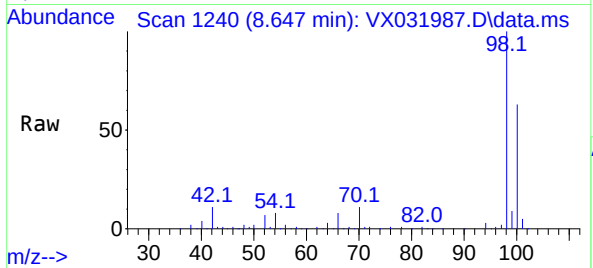




#50
Toluene-d8
Concen: 49.958 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

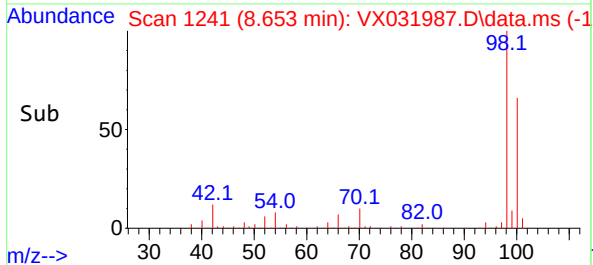
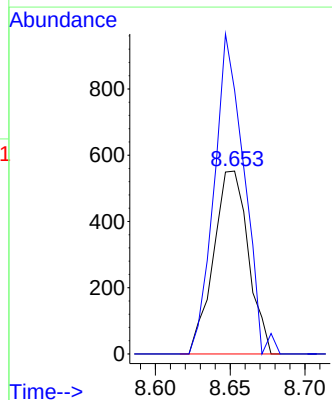
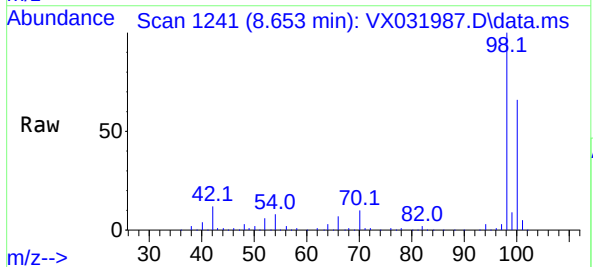
Instrument :
MSVOA_X
ClientSampleId :
MW-117

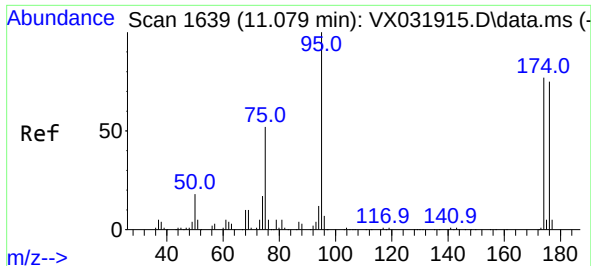
Tgt Ion: 98 Resp: 166019
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.771 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
58 149.9 30.6 46.0#

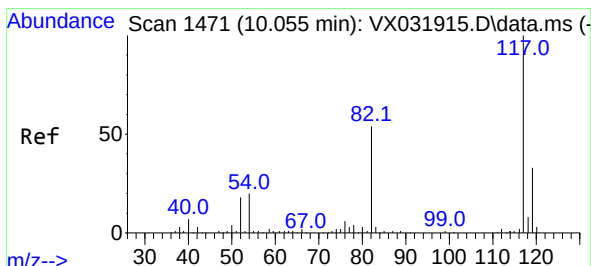
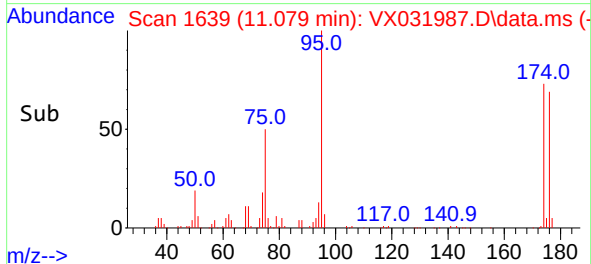
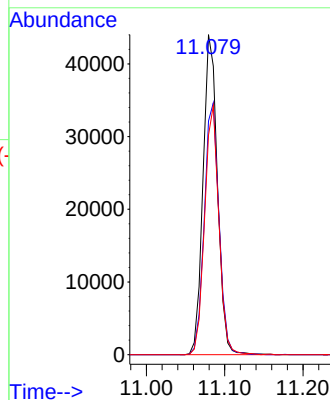
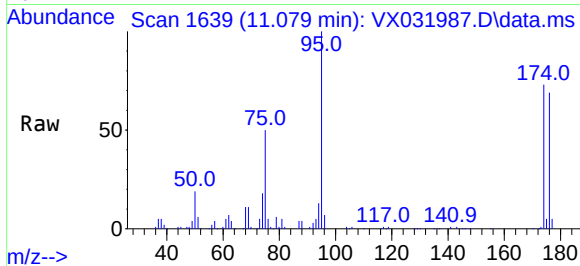




#62
4-Bromofluorobenzene
Concen: 47.881 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

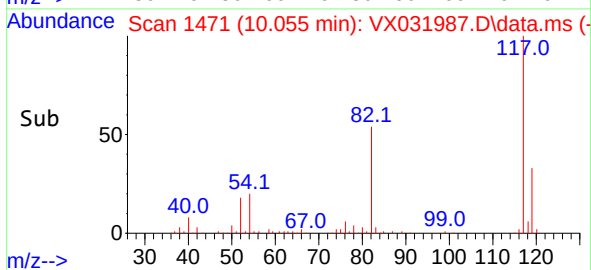
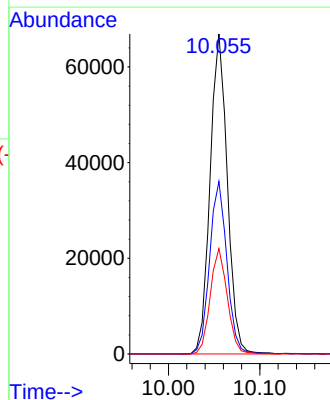
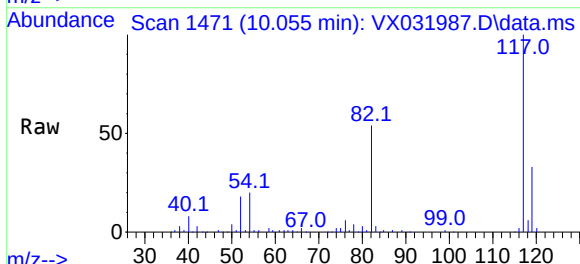
Instrument :
MSVOA_X
ClientSampleId :
MW-117

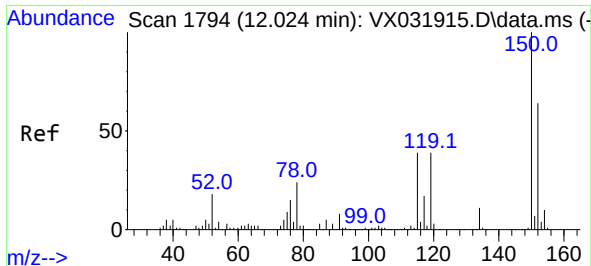
Tgt Ion: 95 Resp: 56252
Ion Ratio Lower Upper
95 100
174 80.3 0.0 153.2
176 77.1 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

Tgt Ion: 117 Resp: 87472
Ion Ratio Lower Upper
117 100
82 53.9 46.8 70.2
119 33.0 26.4 39.6

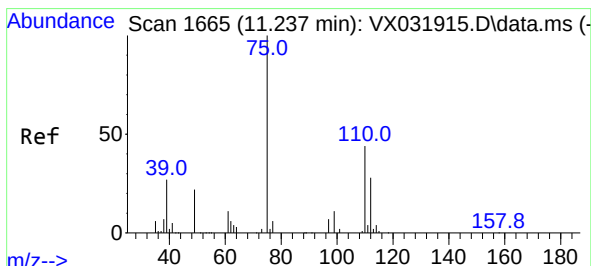
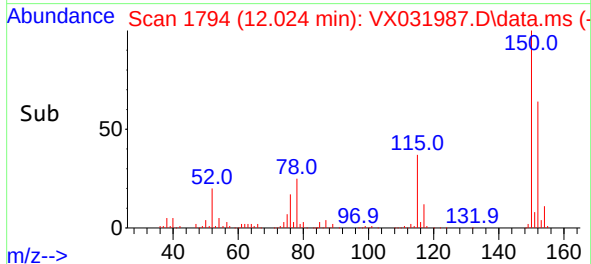
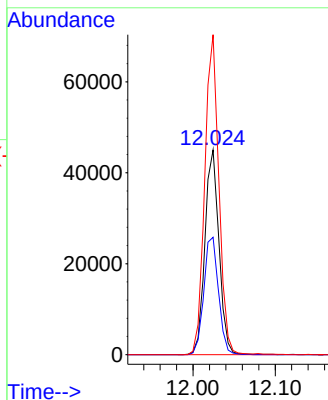
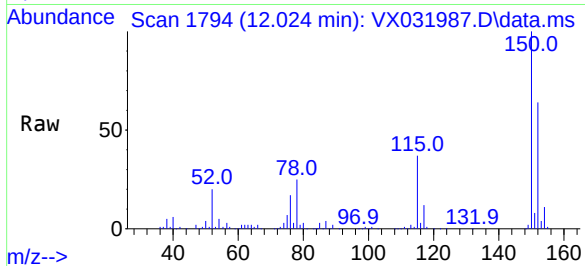




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

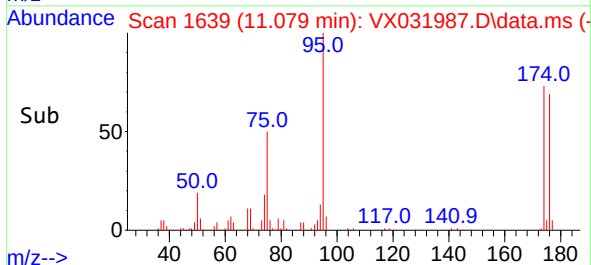
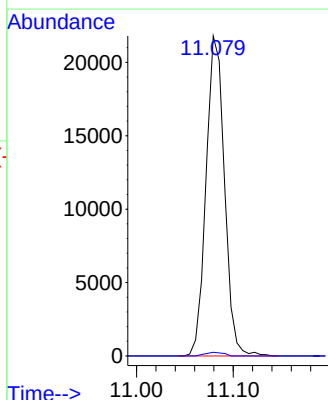
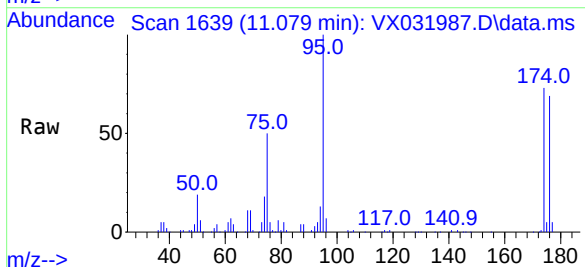
Instrument :
MSVOA_X
ClientSampleId :
MW-117

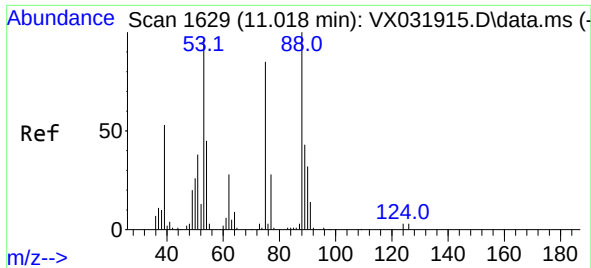
Tgt Ion:152 Resp: 53592
Ion Ratio Lower Upper
152 100
115 59.9 43.4 130.1
150 156.8 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 26.300 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031987.D
Acq: 08 Oct 2022 02:42

Tgt Ion: 75 Resp: 28887
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.211 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031987.D
 Acq: 08 Oct 2022 02:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-117

Tgt Ion: 75 Resp: 28887
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.1 37.4 56.0#

