

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
 Data File : VX032620.D
 Acq On : 07 Nov 2022 12:31
 Operator : JC/MD
 Sample : N5486-04DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23ADL

Quant Time: Nov 08 03:11:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

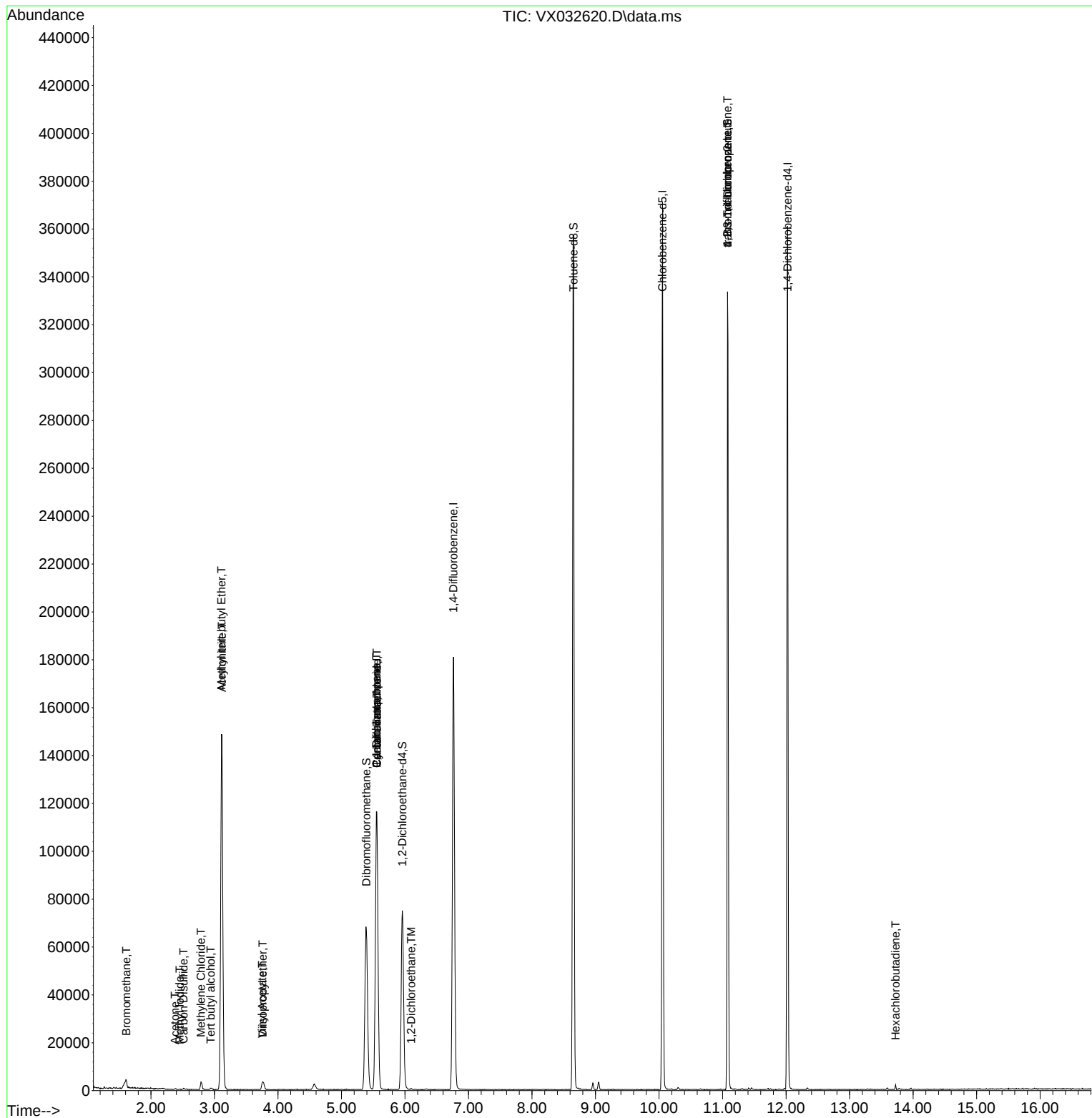
Internal Standards						
1) Pentafluorobenzene	5.556	168	109966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	179822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75839	49.634	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.260%		
35) Dibromofluoromethane	5.391	113	59275	46.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.420%		
50) Toluene-d8	8.653	98	215691	48.359	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.720%		
62) 4-Bromofluorobenzene	11.079	95	82501	47.353	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.700%		
Target Compounds						Qvalue
5) Bromomethane	1.611	94	236	0.250	ug/l	86
10) Methyl Iodide	2.453	142	169	2.040	ug/l #	71
11) Tert butyl alcohol	2.941	59	394	1.772	ug/l #	72
15) Acrylonitrile	3.117	53	1914	3.171	ug/l #	27
16) Acetone	2.380	43	526	0.947	ug/l #	45
17) Carbon Disulfide	2.514	76	605	0.230	ug/l #	74
19) Methyl tert-butyl Ether	3.111	73	162446	41.910	ug/l	99
20) Methylene Chloride	2.788	84	1719	1.350	ug/l #	83
22) Diisopropyl ether	3.757	45	3629	0.954	ug/l #	85
23) Vinyl Acetate	3.751	43	2176	0.708	ug/l #	72
31) Cyclohexane	5.556	56	2509	1.354	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8586	4.807	ug/l #	51
38) Carbon Tetrachloride	5.556	117	11867	5.990	ug/l #	14
42) 1,2-Dichloroethane	6.098	62	443	0.214	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	45306	27.302	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45306	86.874	ug/l #	6
94) Hexachlorobutadiene	13.725	225	373	0.508	ug/l	79

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

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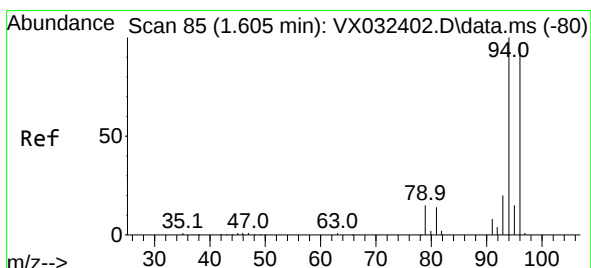
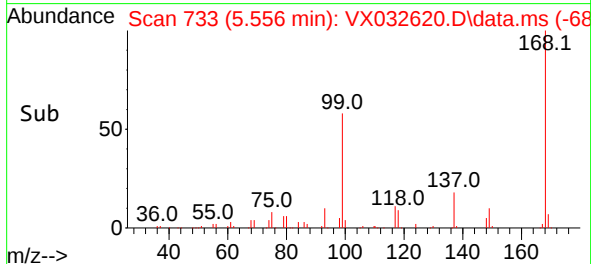
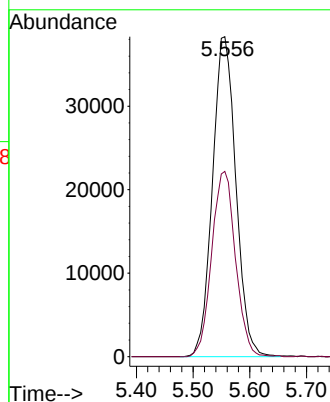
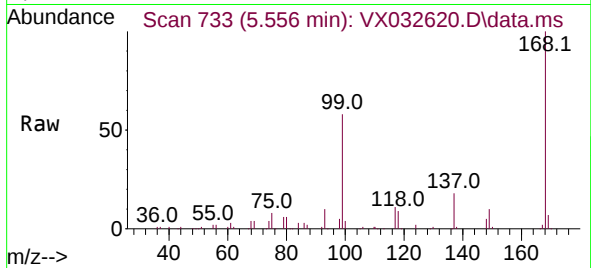




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

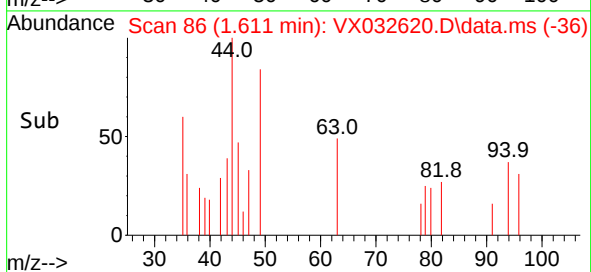
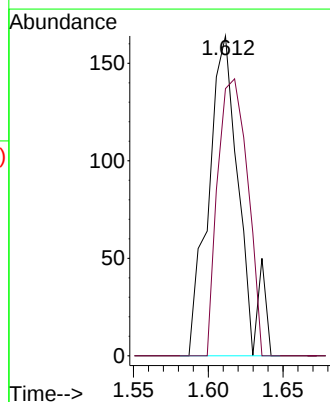
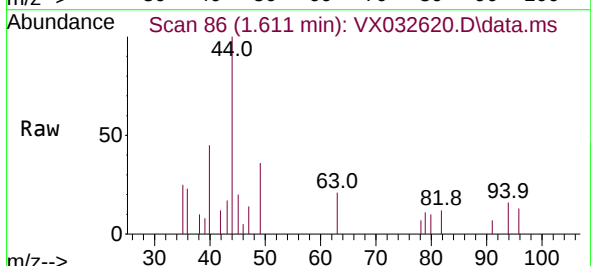
Instrument :
MSVOA_X
ClientSampleId :
MW-23ADL

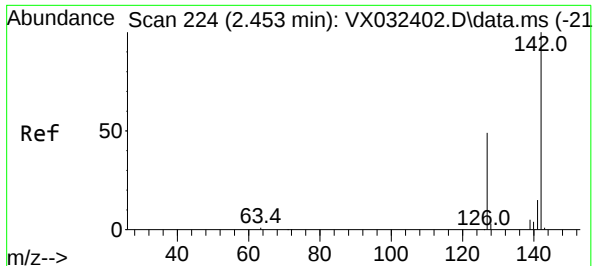
Tgt Ion:168 Resp: 109966
Ion Ratio Lower Upper
168 100
99 57.9 46.1 69.1



#5
Bromomethane
Concen: 0.250 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

Tgt Ion: 94 Resp: 236
Ion Ratio Lower Upper
94 100
96 83.5 77.6 116.4

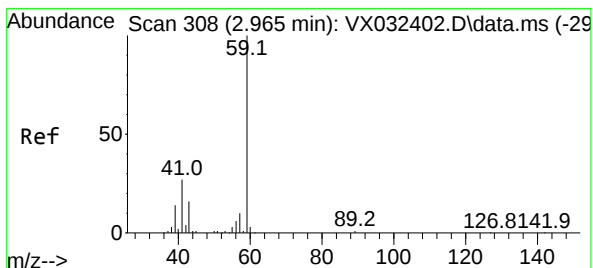
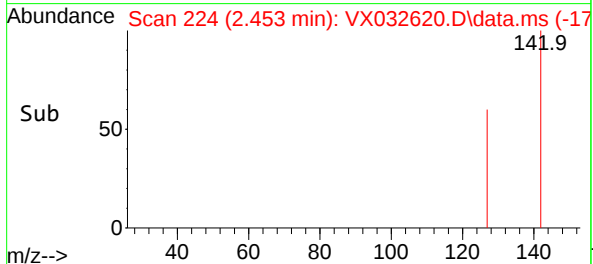
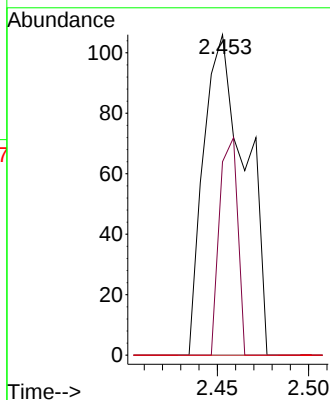
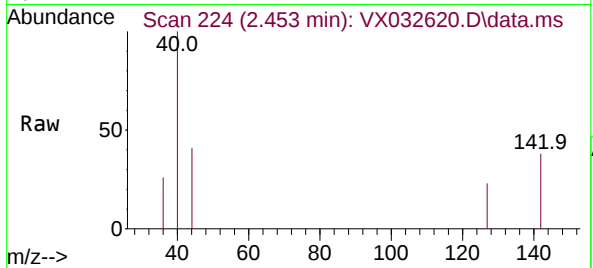




#10
Methyl Iodide
Concen: 2.040 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

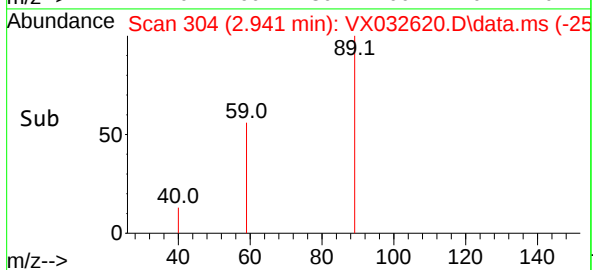
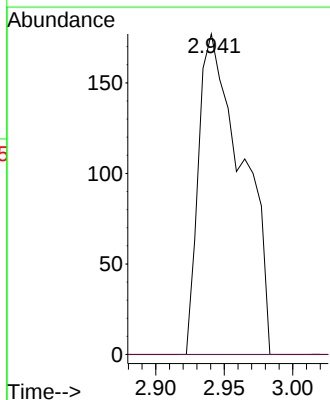
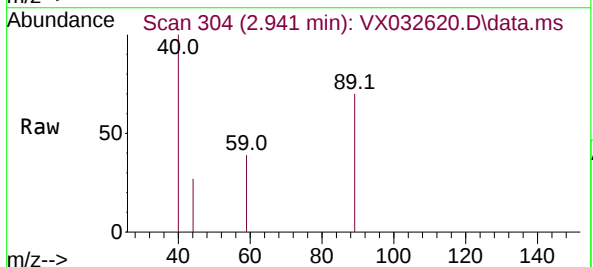
Instrument :
MSVOA_X
ClientSampleId :
MW-23ADL

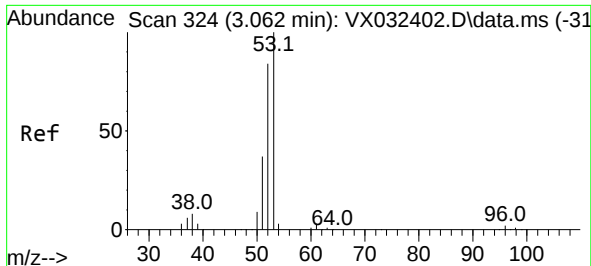
Tgt Ion:142 Resp: 169
Ion Ratio Lower Upper
142 100
127 29.6 38.6 57.8#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.772 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

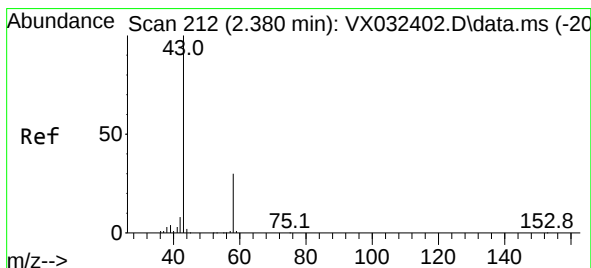
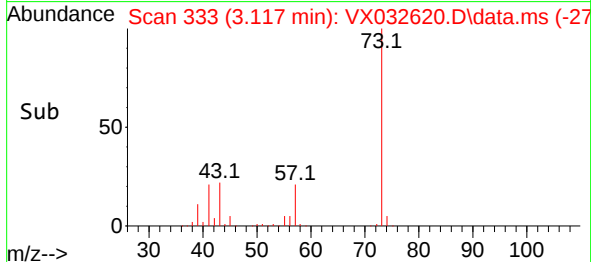
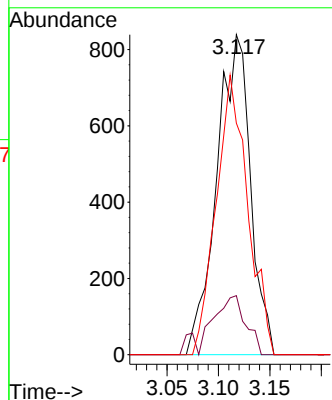
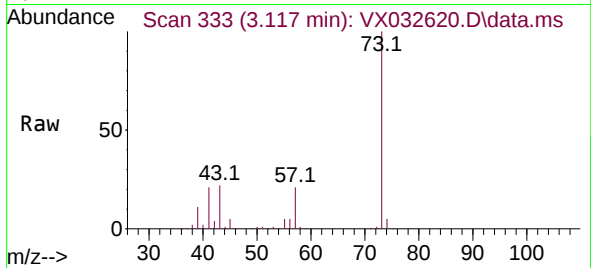




#15
Acrylonitrile
Concen: 3.171 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.055 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

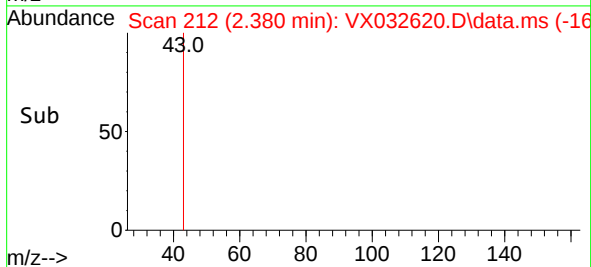
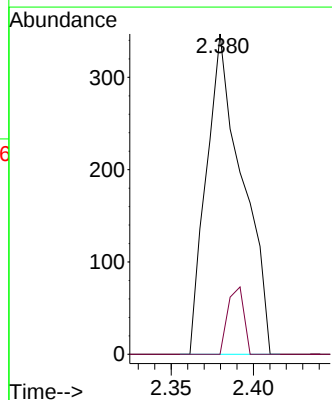
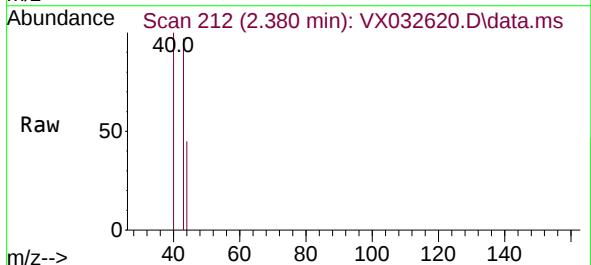
Instrument :
MSVOA_X
ClientSampleId :
MW-23ADL

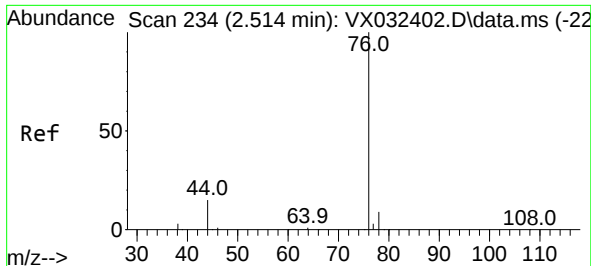
Tgt Ion: 53 Resp: 1914
Ion Ratio Lower Upper
53 100
52 17.5 67.4 101.0#
51 81.9 30.3 45.5#



#16
Acetone
Concen: 0.947 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#





#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX032620.D

Acq: 07 Nov 2022 12:31

Instrument :

MSVOA_X

ClientSampleId :

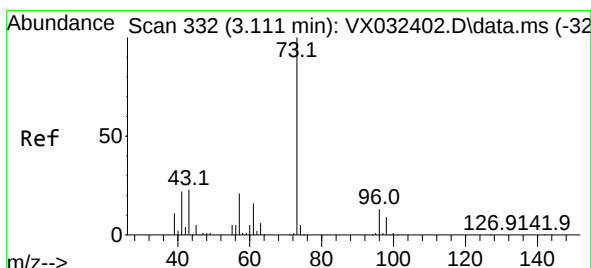
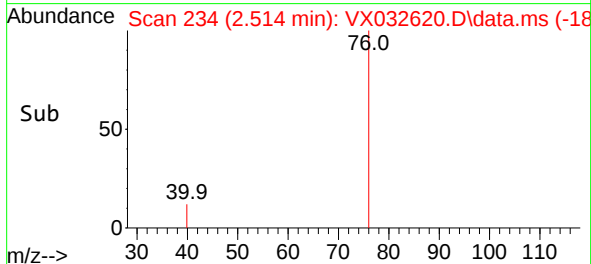
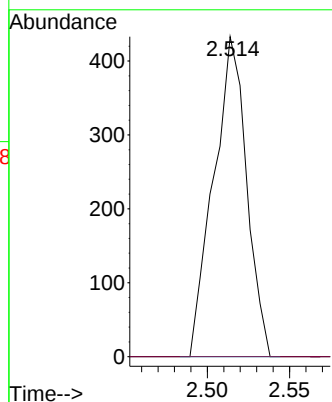
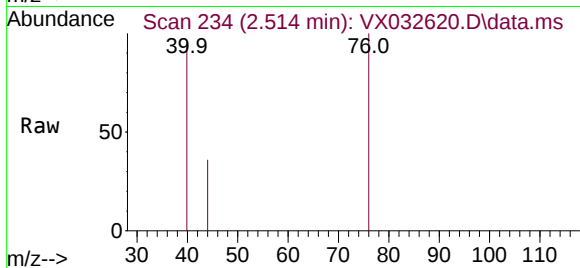
MW-23ADL

Tgt Ion: 76 Resp: 605

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#19

Methyl tert-butyl Ether

Concen: 41.910 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX032620.D

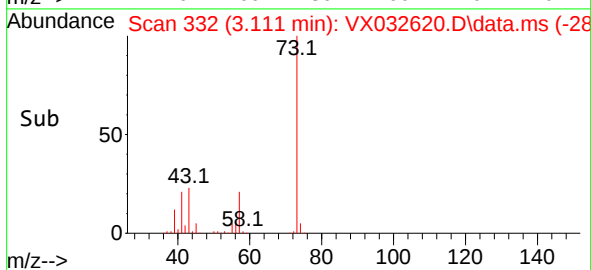
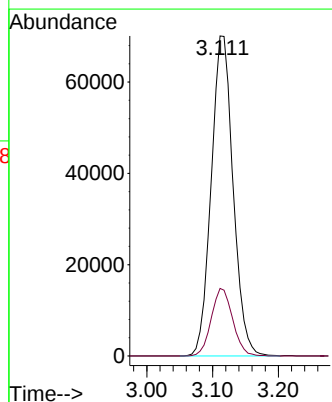
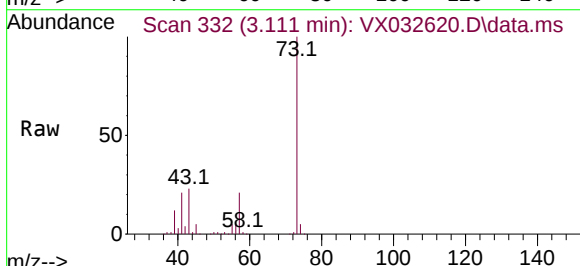
Acq: 07 Nov 2022 12:31

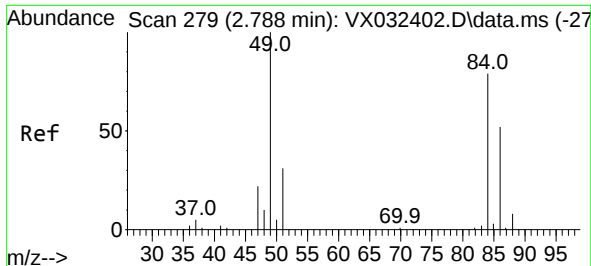
Tgt Ion: 73 Resp: 162446

Ion Ratio Lower Upper

73 100

57 21.1 16.6 25.0

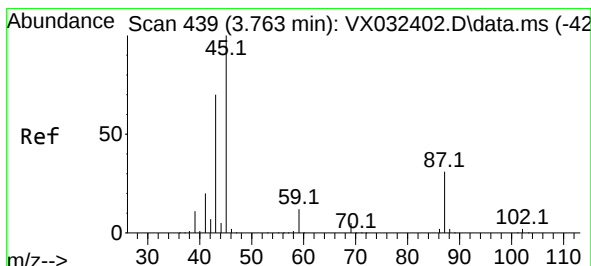
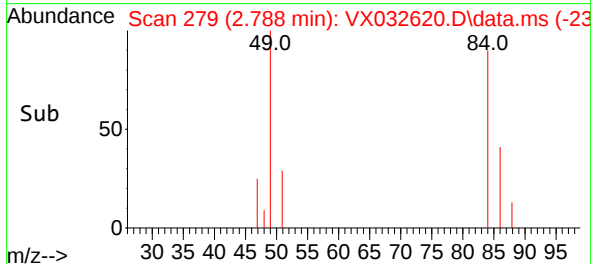
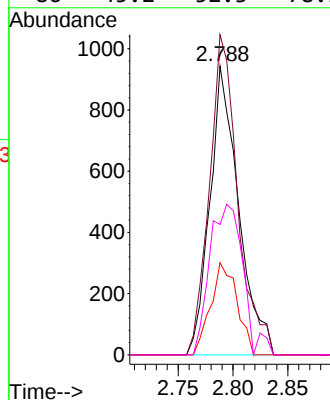
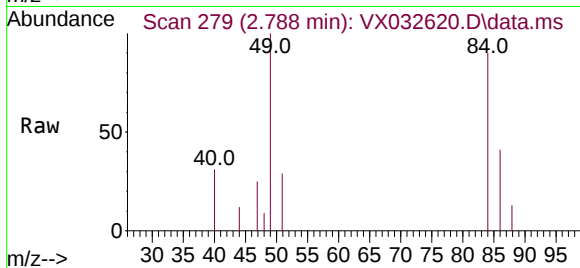




#20
Methylene Chloride
Concen: 1.350 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

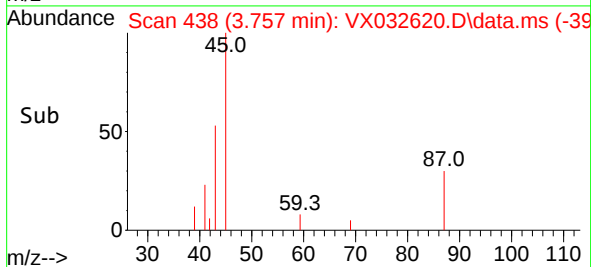
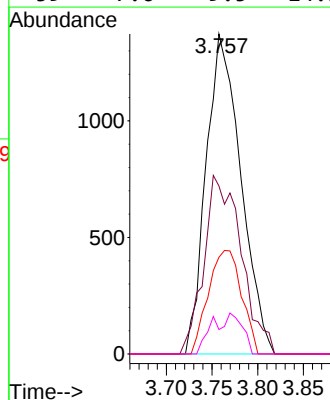
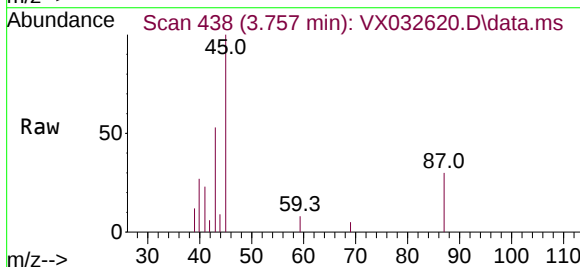
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ClientSampleId :
MW-23ADL

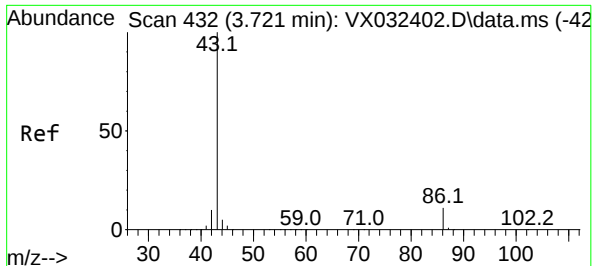
Tgt Ion:	84	Resp:	1719
Ion	Ratio	Lower	Upper
84	100		
49	110.9	101.0	151.6
51	31.9	31.1	46.7
86	45.2	52.3	78.5#



#22
Diisopropyl ether
Concen: 0.954 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

Tgt Ion:	45	Resp:	3629
Ion	Ratio	Lower	Upper
45	100		
43	52.5	56.4	84.6#
87	30.2	24.4	36.6
59	7.6	9.5	14.3#

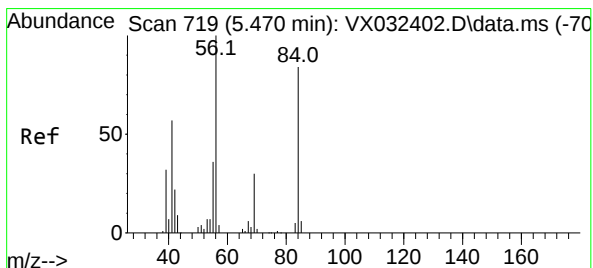
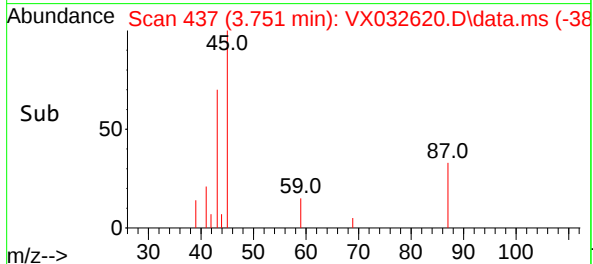
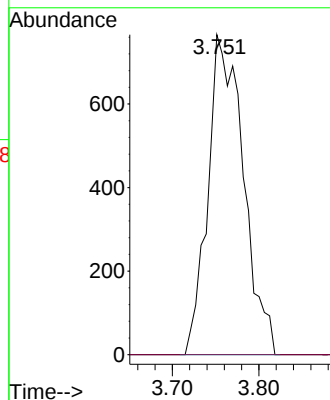
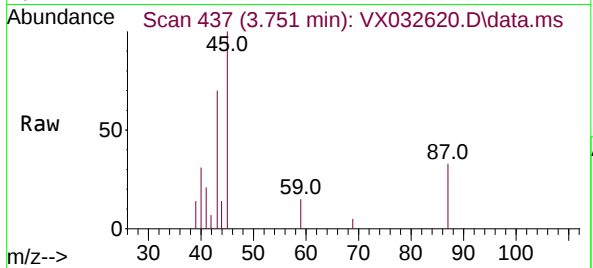




#23
 Vinyl Acetate
 Concen: 0.708 ug/l
 RT: 3.751 min Scan# 41
 Delta R.T. 0.031 min
 Lab File: VX032620.D
 Acq: 07 Nov 2022 12:31

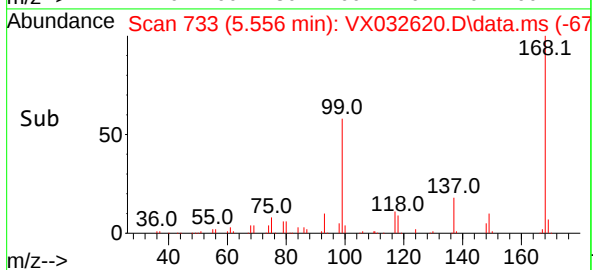
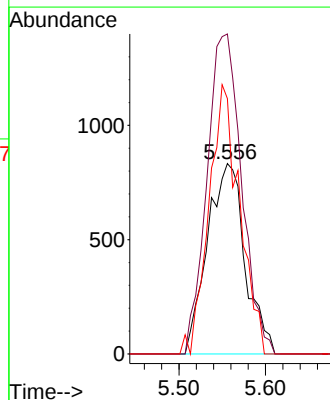
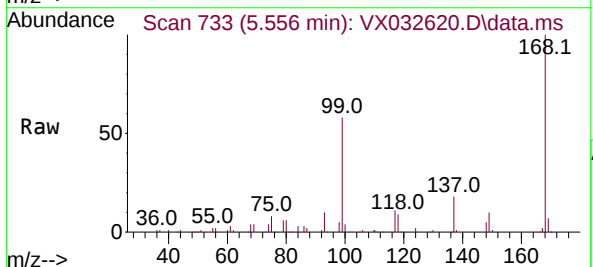
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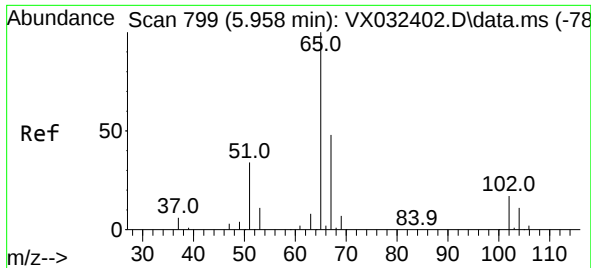
Tgt Ion: 43 Resp: 2176
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.354 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.085 min
 Lab File: VX032620.D
 Acq: 07 Nov 2022 12:31

Tgt Ion: 56 Resp: 2509
 Ion Ratio Lower Upper
 56 100
 69 168.1 24.1 36.1#
 84 134.1 66.9 100.3#

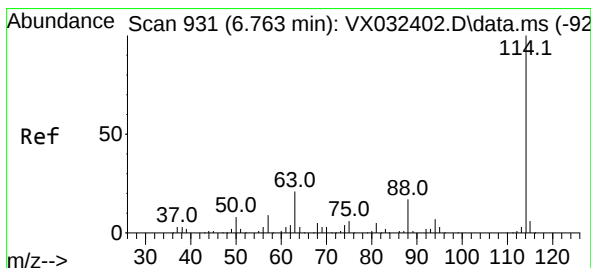
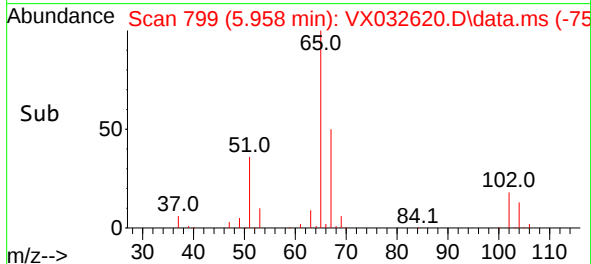
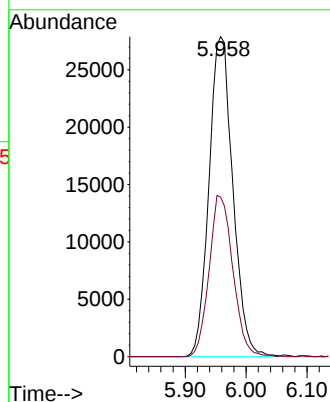
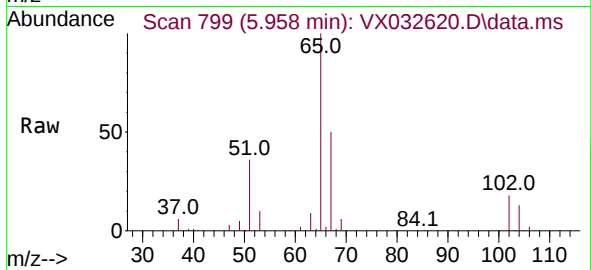




#33
 1,2-Dichloroethane-d4
 Concen: 49.634 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032620.D
 Acq: 07 Nov 2022 12:31

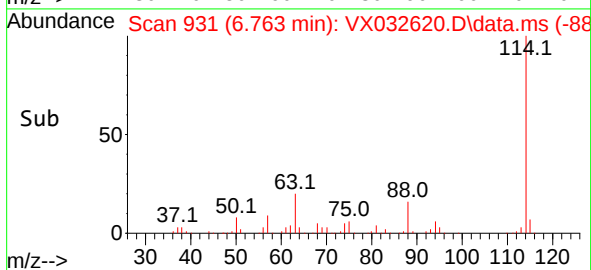
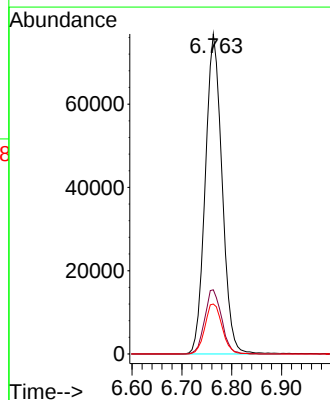
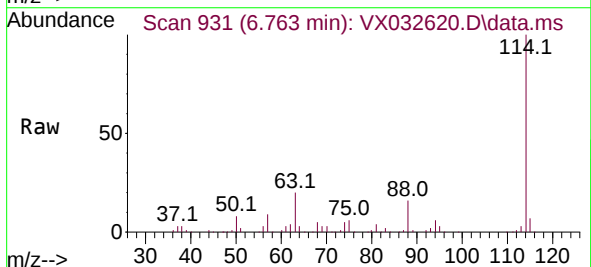
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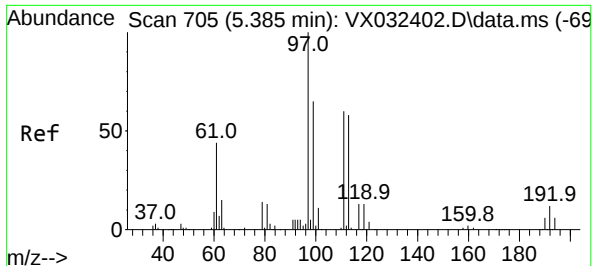
Tgt Ion: 65 Resp: 75839
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032620.D
 Acq: 07 Nov 2022 12:31

Tgt Ion: 114 Resp: 179822
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.6
 88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.212 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032620.D

Acq: 07 Nov 2022 12:31

Instrument :

MSVOA_X

ClientSampleId :

MW-23ADL

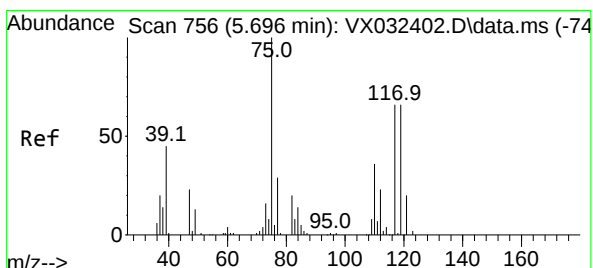
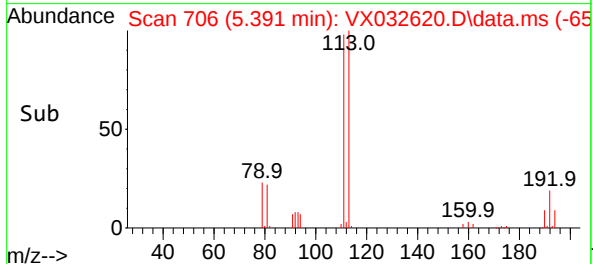
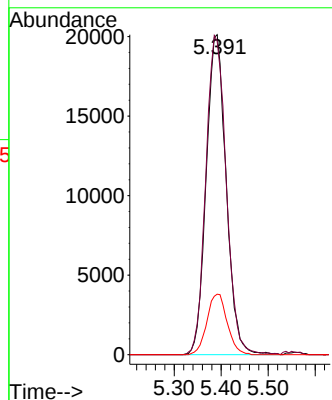
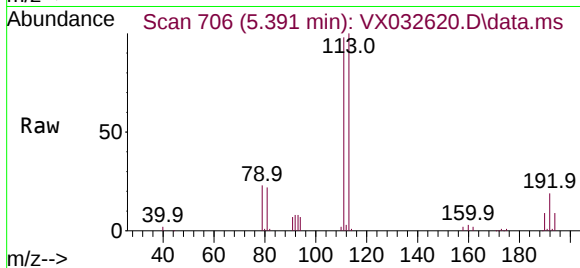
Tgt Ion:113 Resp: 59275

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

192 19.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.807 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032620.D

Acq: 07 Nov 2022 12:31

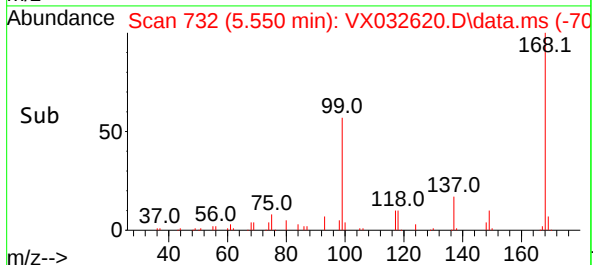
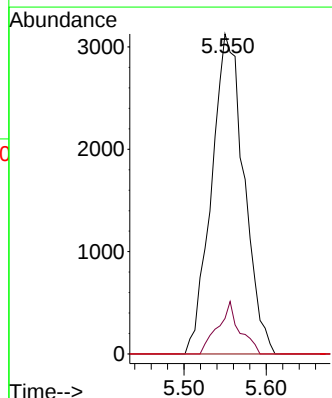
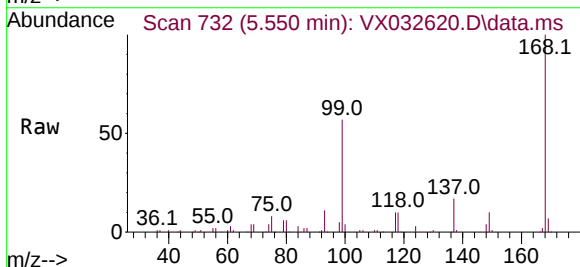
Tgt Ion: 75 Resp: 8586

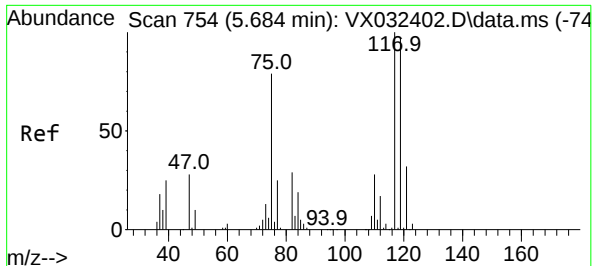
Ion Ratio Lower Upper

75 100

110 11.0 18.4 55.2#

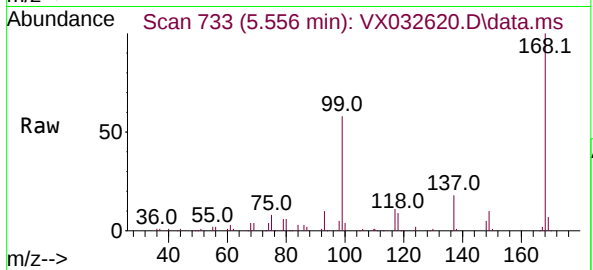
77 0.0 24.5 36.7#



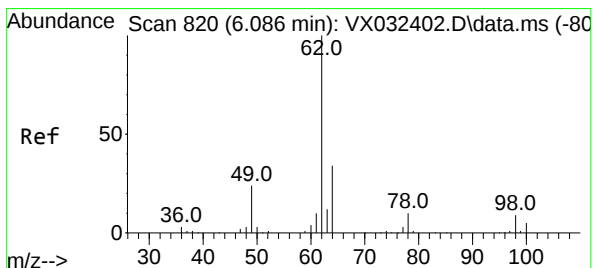
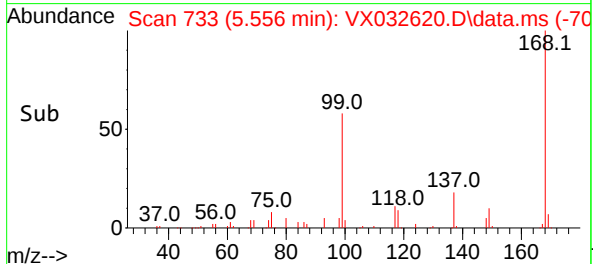
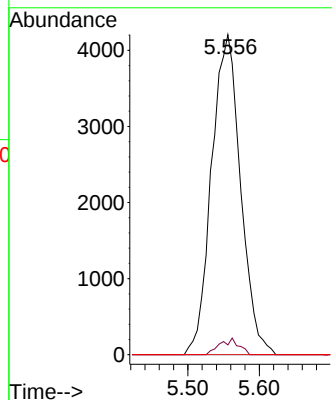


#38
Carbon Tetrachloride
Concen: 5.990 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

Instrument :
MSVOA_X
ClientSampleId :
MW-23ADL

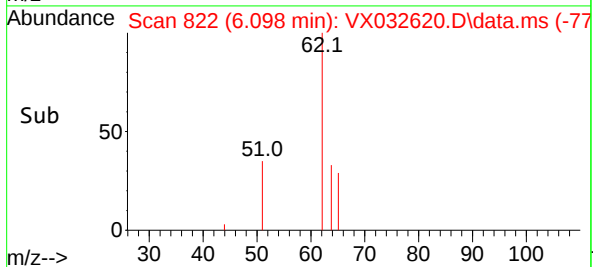
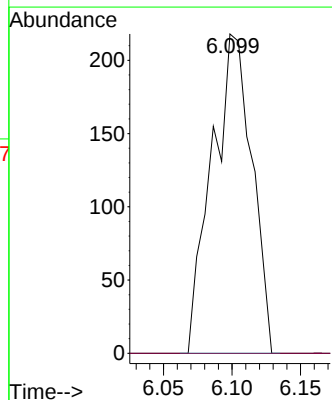
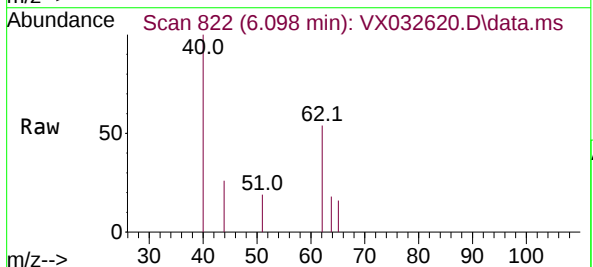


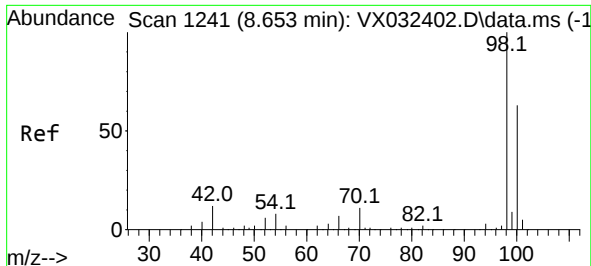
Tgt Ion:117 Resp: 11867
Ion Ratio Lower Upper
117 100
119 3.1 77.2 115.8#
121 0.0 25.8 38.6#



#42
1,2-Dichloroethane
Concen: 0.214 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

Tgt Ion: 62 Resp: 443
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

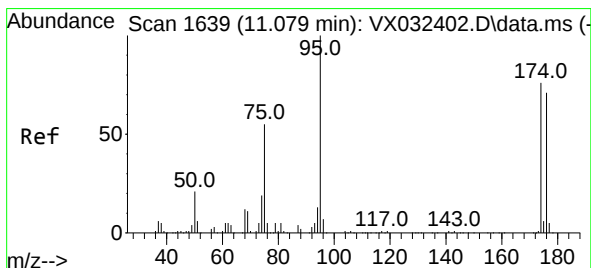
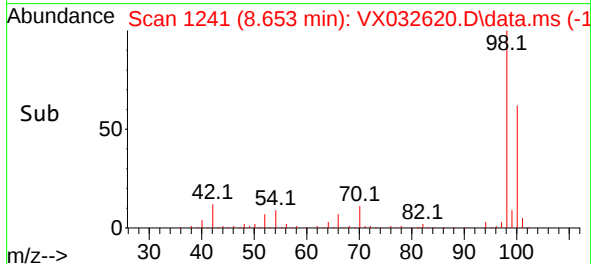
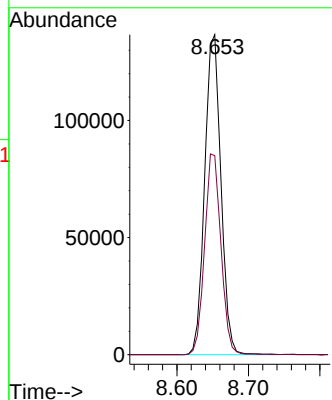
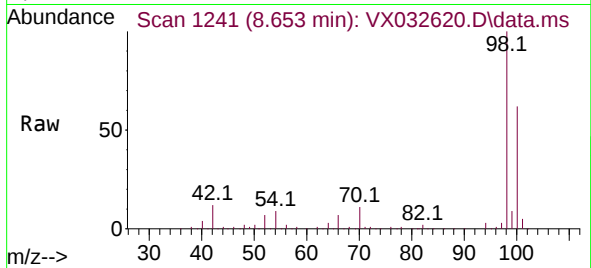




#50
Toluene-d8
Concen: 48.359 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

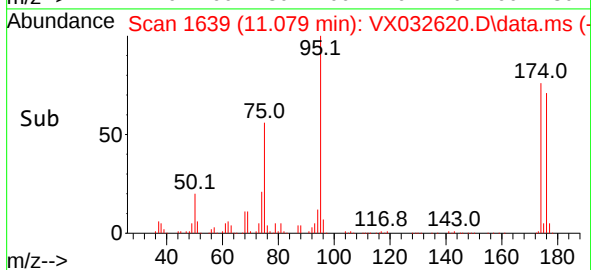
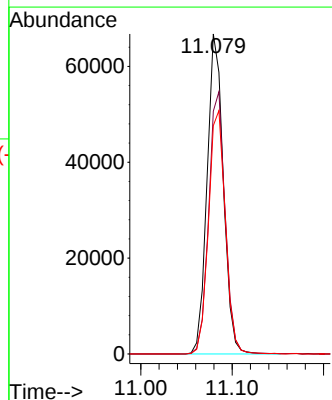
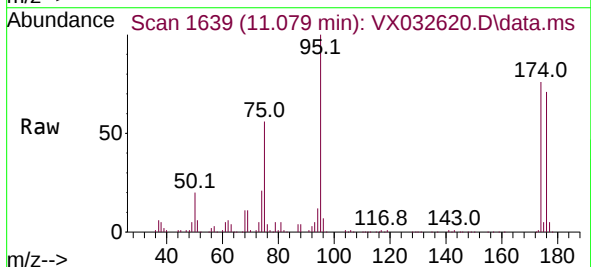
Instrument :
MSVOA_X
ClientSampleId :
MW-23ADL

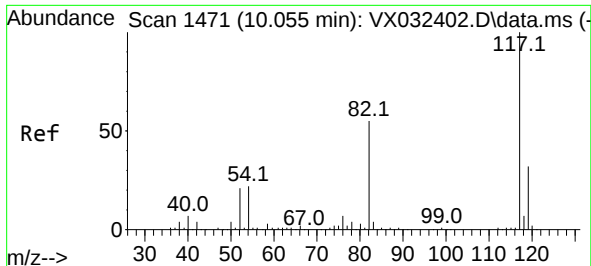
Tgt Ion: 98 Resp: 215691
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 47.353 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

Tgt Ion: 95 Resp: 82501
Ion Ratio Lower Upper
95 100
174 83.0 0.0 164.0
176 78.9 0.0 154.4

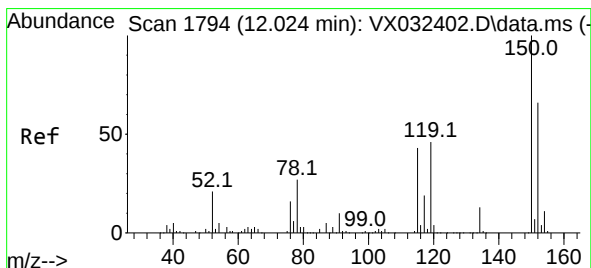
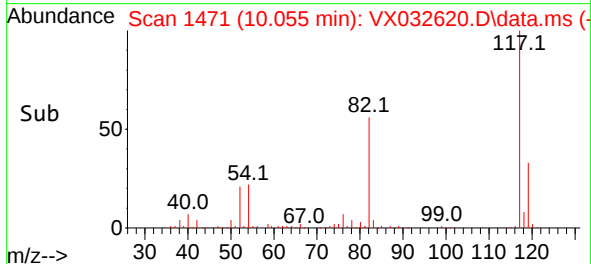
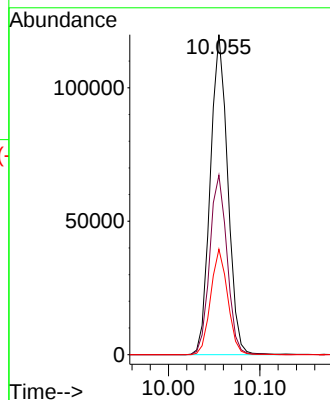
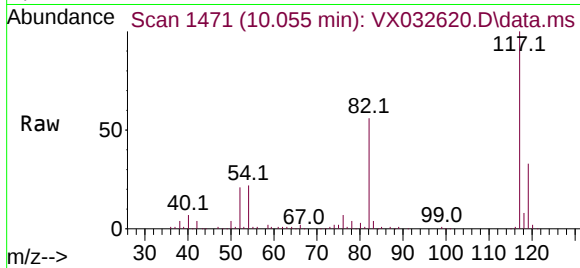




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

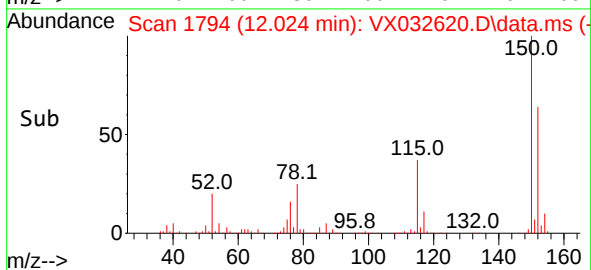
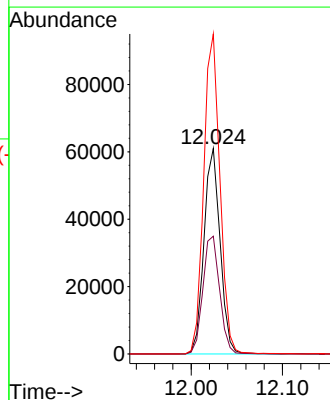
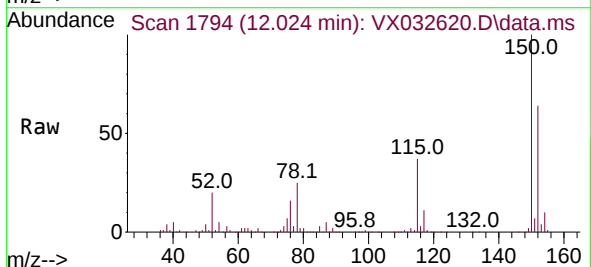
Instrument :
MSVOA_X
ClientSampleId :
MW-23ADL

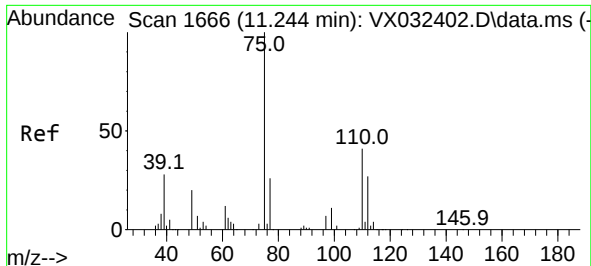
Tgt Ion:117 Resp: 158384
Ion Ratio Lower Upper
117 100
82 56.1 44.3 66.5
119 33.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

Tgt Ion:152 Resp: 74591
Ion Ratio Lower Upper
152 100
115 59.5 44.0 132.0
150 156.7 0.0 351.8

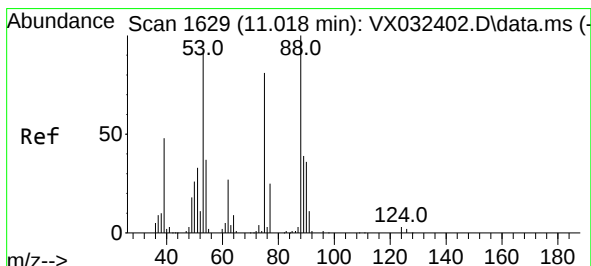
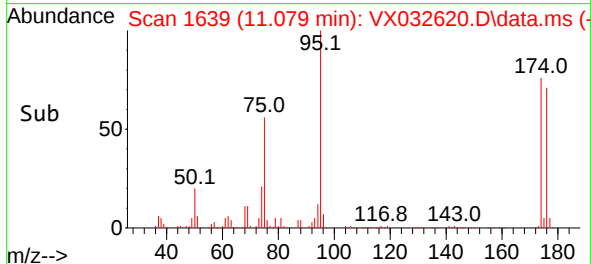
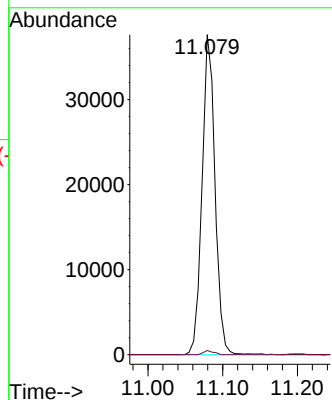
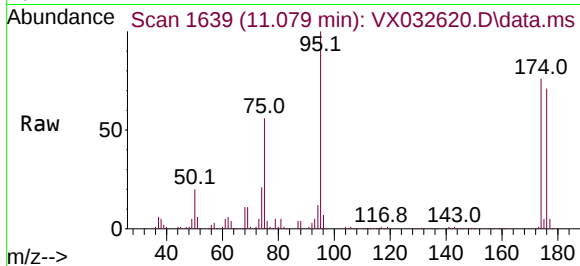




#76
1,2,3-Trichloropropane
Concen: 27.302 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

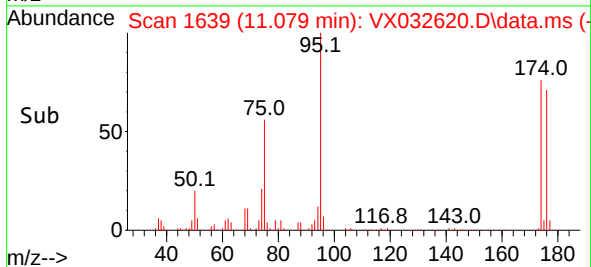
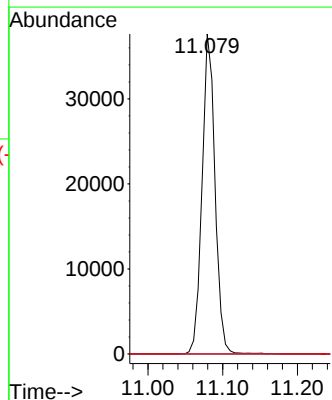
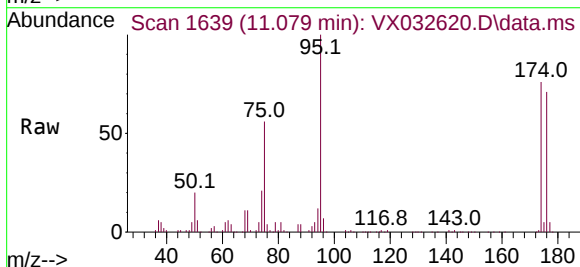
Instrument :
MSVOA_X
ClientSampleId :
MW-23ADL

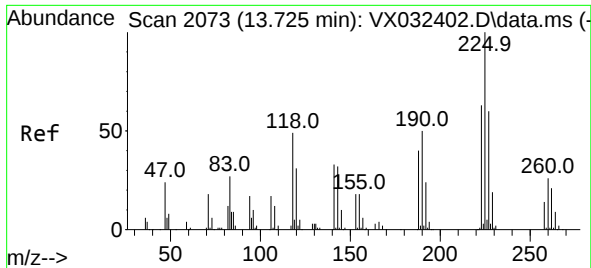
Tgt Ion: 75 Resp: 45306
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032620.D
Acq: 07 Nov 2022 12:31

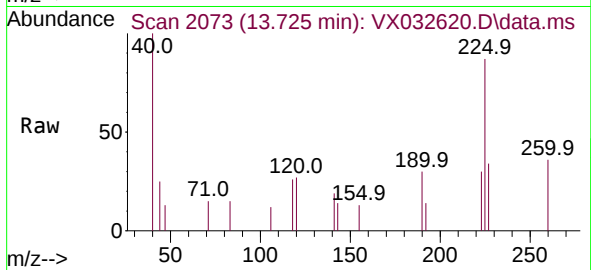
Tgt Ion: 75 Resp: 45306
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#94
 Hexachlorobutadiene
 Concen: 0.508 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX032620.D
 Acq: 07 Nov 2022 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23ADL



Tgt Ion:	225	Resp:	373
Ion	Ratio	Lower	Upper
225	100		
223	53.9	31.9	95.9
227	40.8	31.9	95.5

