

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020124\
 Data File : VX040070.D
 Acq On : 01 Feb 2024 14:47
 Operator : JC/MD
 Sample : P1312-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NWV-2005

Quant Time: Feb 02 01:41:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

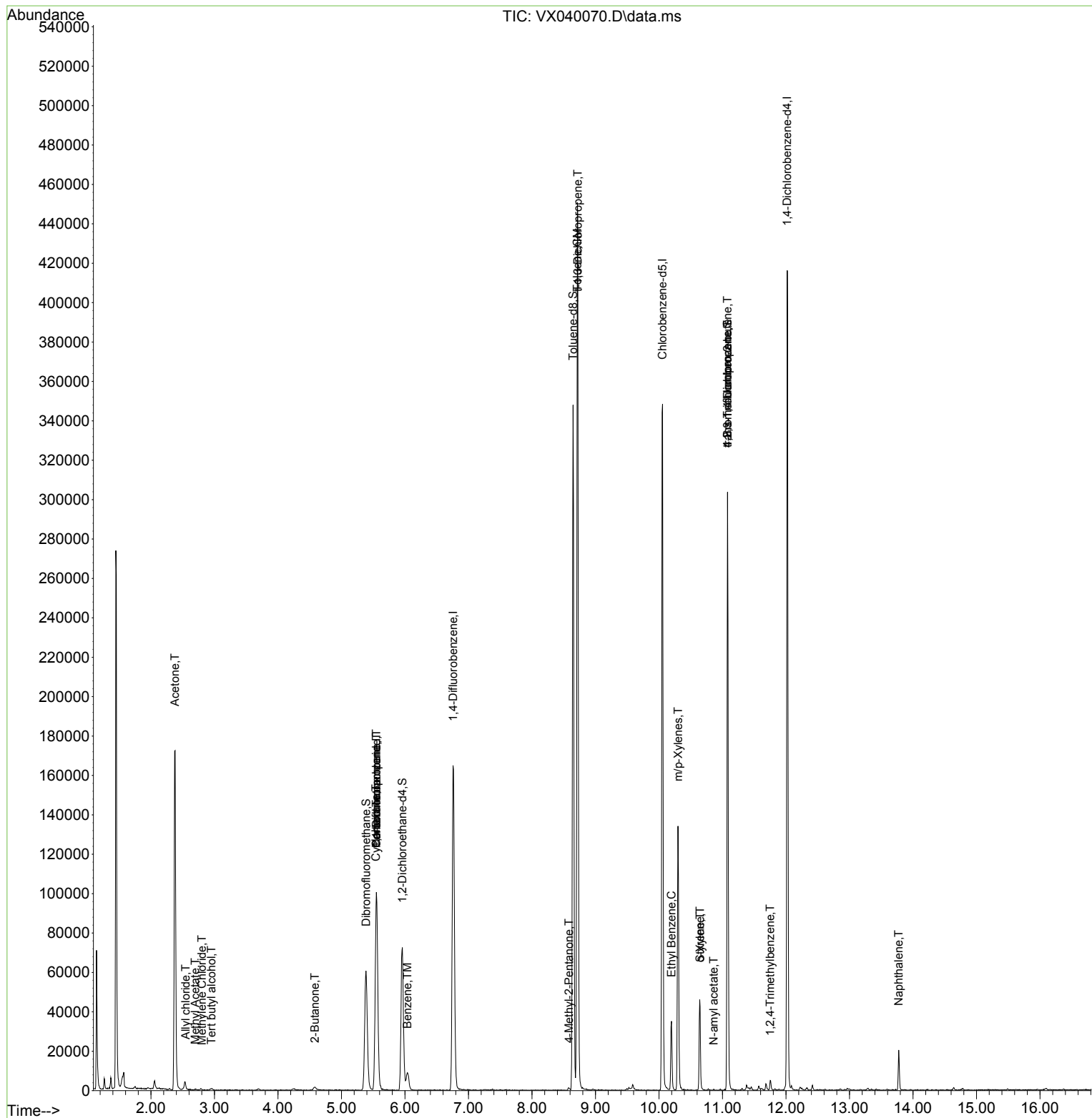
Internal Standards						
1) Pentafluorobenzene	5.550	168	90157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167300	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	81474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68777	47.401	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.800%		
35) Dibromofluoromethane	5.385	113	52426	46.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.060%		
50) Toluene-d8	8.647	98	198103	46.513	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.020%		
62) 4-Bromofluorobenzene	11.079	95	80650	49.178	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.360%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	632	2.401	ug/l #	78
14) Allyl chloride	2.544	41	489	0.268	ug/l #	42
16) Acetone	2.380	43	184054	270.729	ug/l	93
18) Methyl Acetate	2.697	43	764	0.474	ug/l	94
20) Methylene Chloride	2.800	84	358	0.296	ug/l #	40
25) 2-Butanone	4.581	43	2397	2.536	ug/l #	77
31) Cyclohexane	5.544	56	2472	1.360	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	7849	4.765	ug/l #	52
38) Carbon Tetrachloride	5.550	117	9826	6.235	ug/l #	15
40) Benzene	6.038	78	10391	2.166	ug/l	100
51) 4-Methyl-2-Pentanone	8.580	43	835	0.431	ug/l	96
52) Toluene	8.714	92	168018	56.192	ug/l	95
53) t-1,3-Dichloropropene	8.720	75	2119	1.207	ug/l #	1
67) Ethyl Benzene	10.195	91	20935	3.584	ug/l	98
68) m/p-Xylenes	10.299	106	31093	14.151	ug/l	100
69) o-Xylene	10.647	106	10202	4.895	ug/l	95
70) Styrene	10.647	104	861	0.245	ug/l #	1
74) N-amyl acetate	10.860	43	70	0.225	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	42618	24.564	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42618	72.835	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	2895	0.577	ug/l	87
90) Hexachloroethane	12.421	117	71	Below Cal	#	17
95) Naphthalene	13.774	128	12293	2.206	ug/l	99

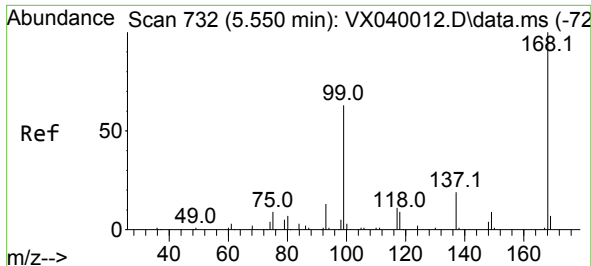
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration

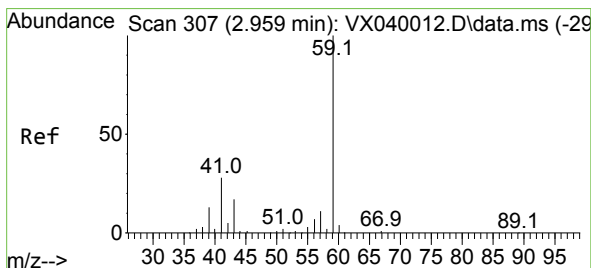
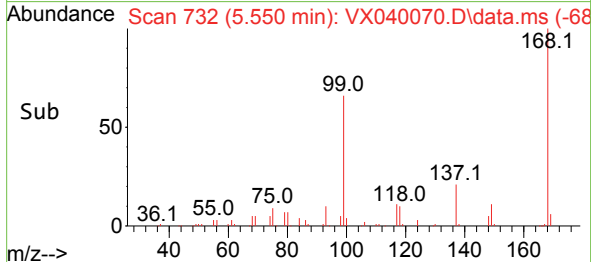
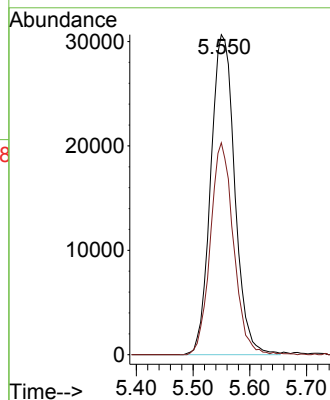
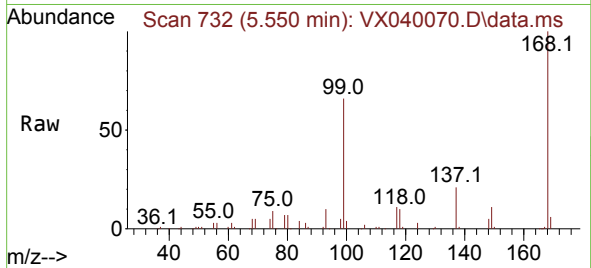




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

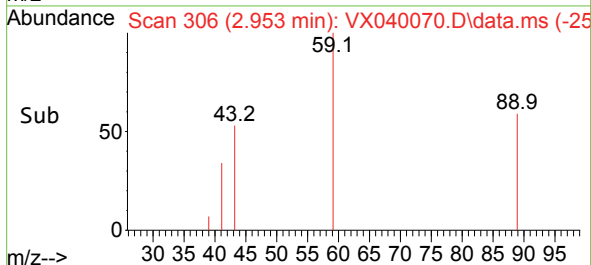
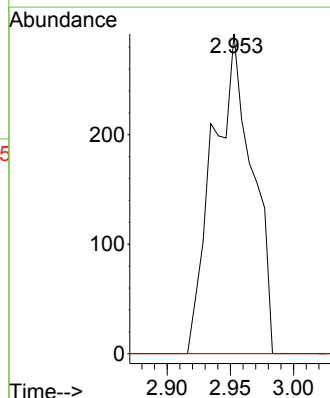
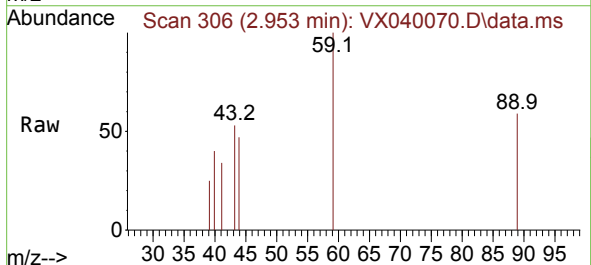
Instrument :
MSVOA_X
ClientSampleId :
NWV-2005

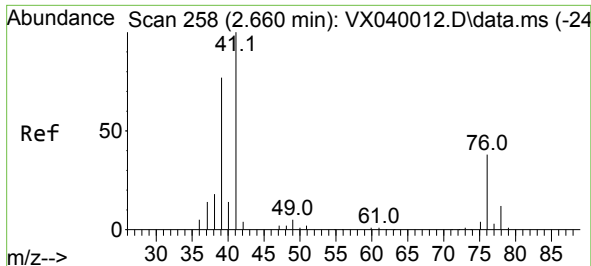
Tgt Ion:168 Resp: 90157
Ion Ratio Lower Upper
168 100
99 66.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.401 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Tgt Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

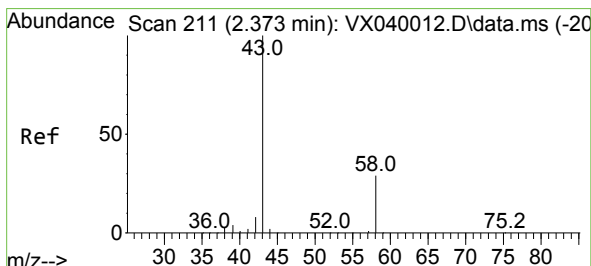
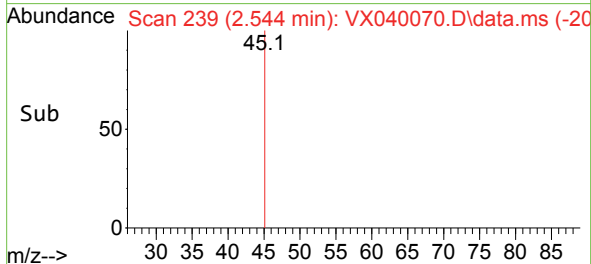
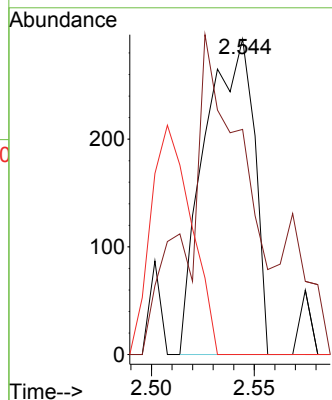
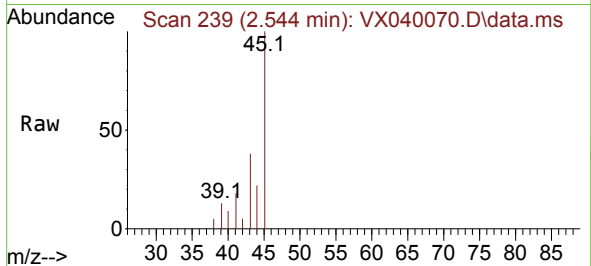




#14
 Allyl chloride
 Concen: 0.268 ug/l
 RT: 2.544 min Scan# 212
 Delta R.T. -0.116 min
 Lab File: VX040070.D
 Acq: 01 Feb 2024 14:47

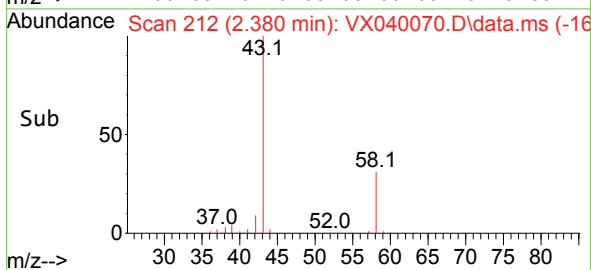
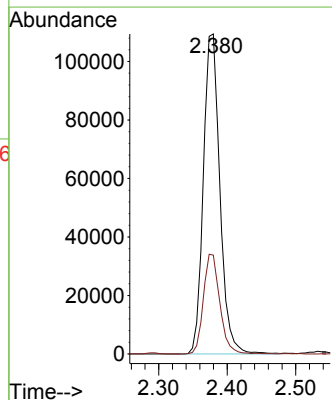
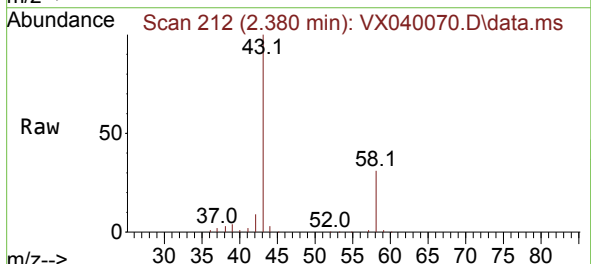
Instrument :
 MSVOA_X
 ClientSampleId :
 NWV-2005

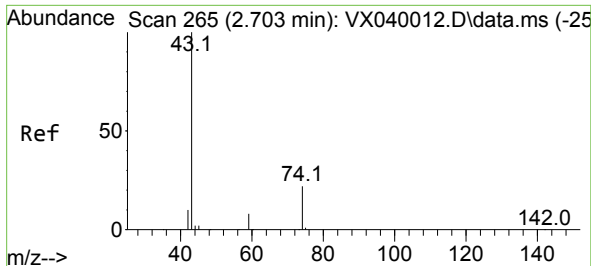
Tgt Ion: 41 Resp: 489
 Ion Ratio Lower Upper
 41 100
 39 118.2 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 270.729 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.006 min
 Lab File: VX040070.D
 Acq: 01 Feb 2024 14:47

Tgt Ion: 43 Resp: 184054
 Ion Ratio Lower Upper
 43 100
 58 30.9 21.9 32.9





#18

Methyl Acetate

Concen: 0.474 ug/l

RT: 2.697 min Scan# 218

Delta R.T. -0.006 min

Lab File: VX040070.D

Acq: 01 Feb 2024 14:47

Instrument :

MSVOA_X

ClientSampleId :

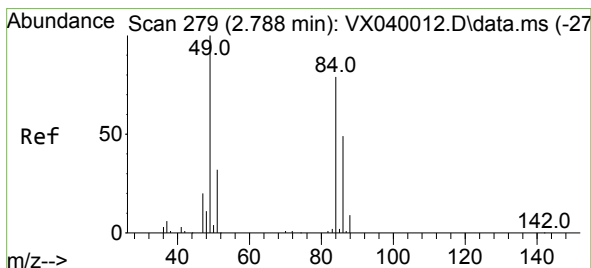
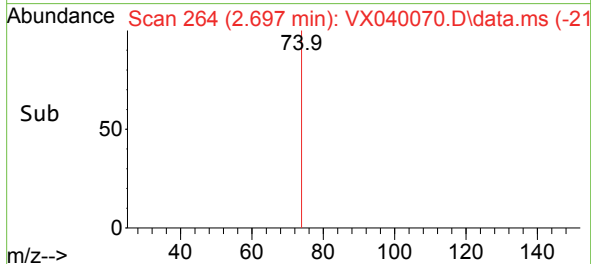
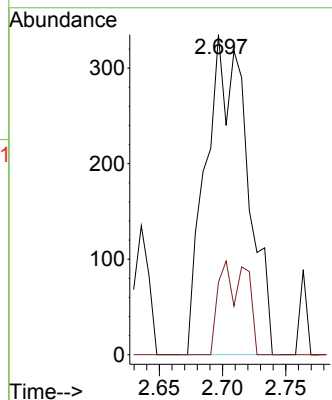
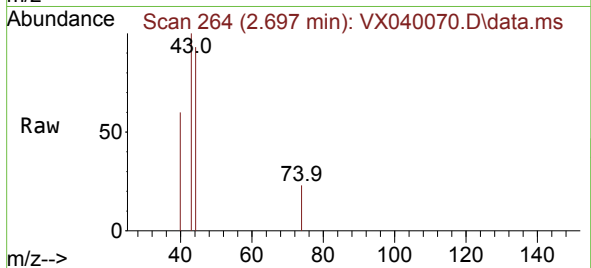
NWV-2005

Tgt Ion: 43 Resp: 764

Ion Ratio Lower Upper

43 100

74 19.4 17.8 26.8



#20

Methylene Chloride

Concen: 0.296 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

Lab File: VX040070.D

Acq: 01 Feb 2024 14:47

Tgt Ion: 84 Resp: 358

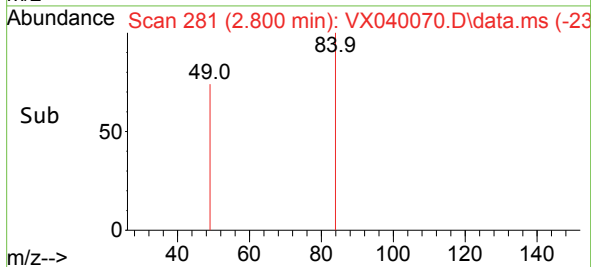
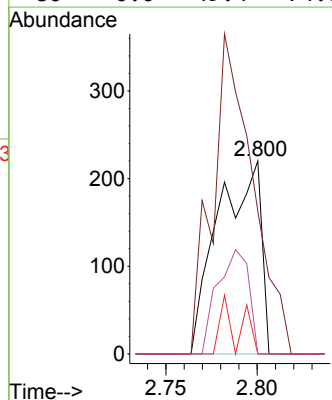
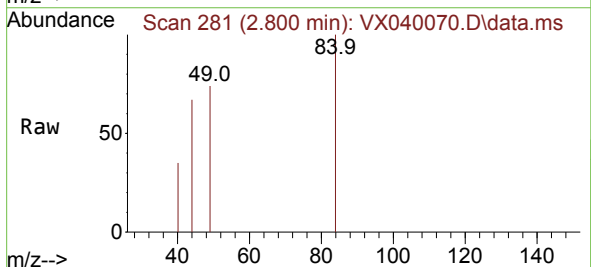
Ion Ratio Lower Upper

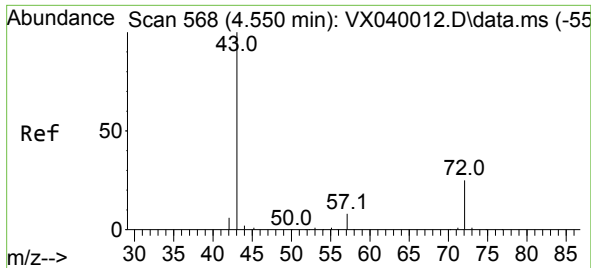
84 100

49 74.1 103.6 155.4#

51 0.0 33.8 50.6#

86 0.0 49.4 74.0#

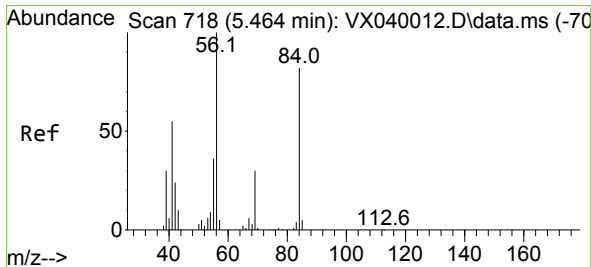
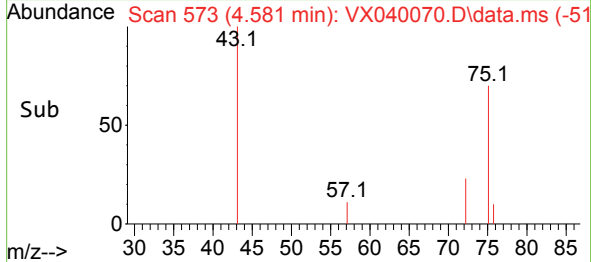
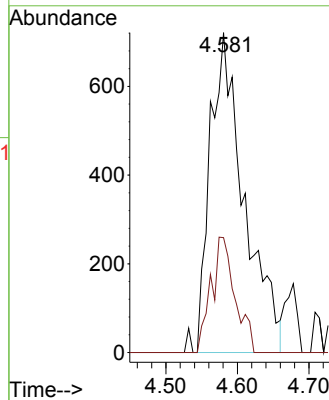
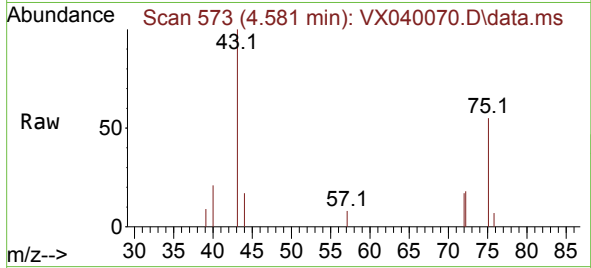




#25
2-Butanone
Concen: 2.536 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

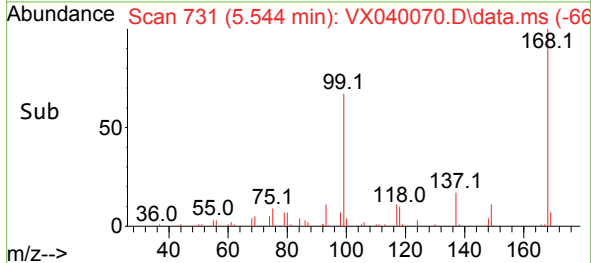
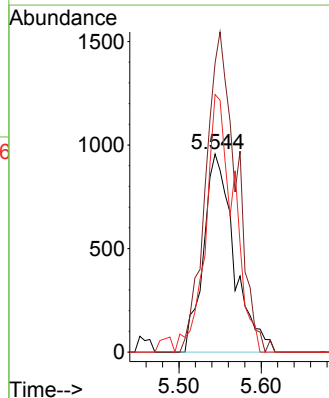
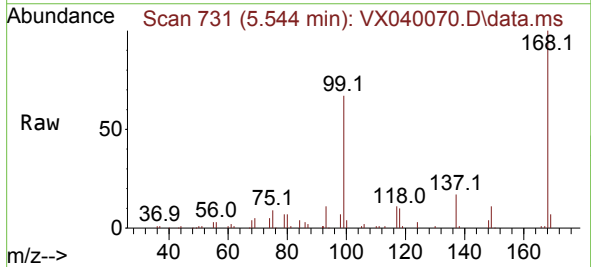
Instrument :
MSVOA_X
ClientSampleId :
NWV-2005

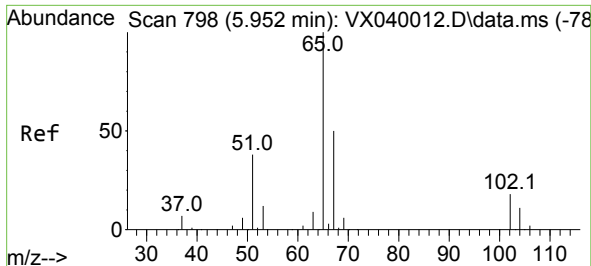
Tgt Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
72 35.9 19.4 29.2#



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Tgt Ion: 56 Resp: 2472
Ion Ratio Lower Upper
56 100
69 146.0 23.4 35.2#
84 130.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.401 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040070.D

Acq: 01 Feb 2024 14:47

Instrument :

MSVOA_X

ClientSampleId :

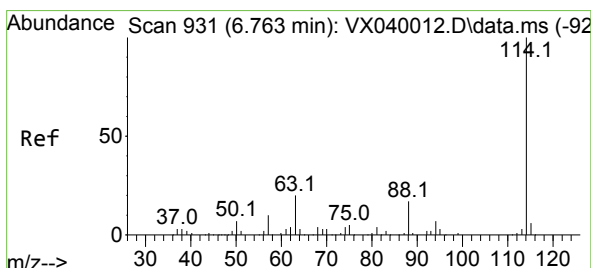
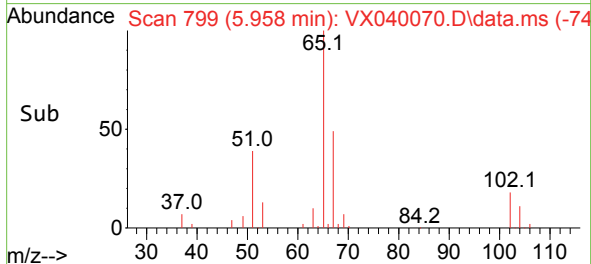
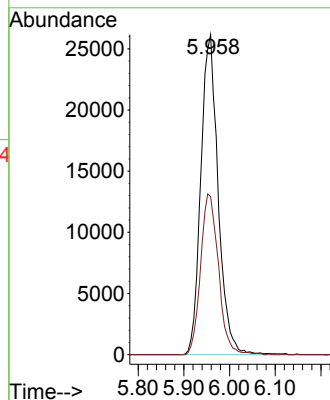
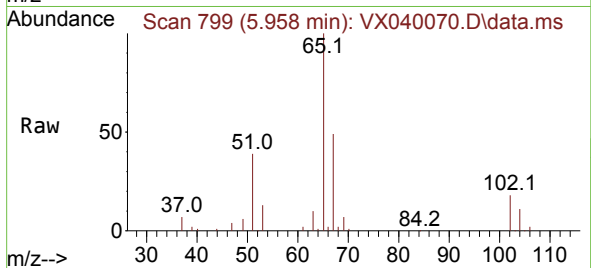
NWV-2005

Tgt Ion: 65 Resp: 68777

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040070.D

Acq: 01 Feb 2024 14:47

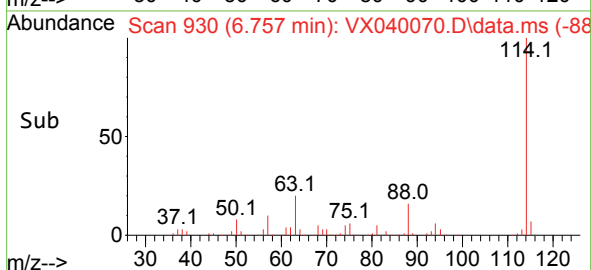
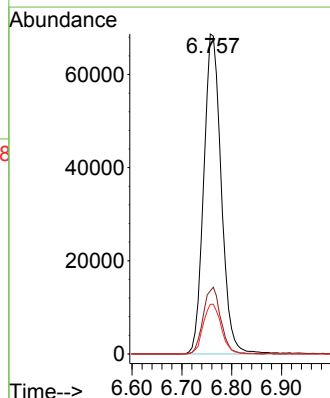
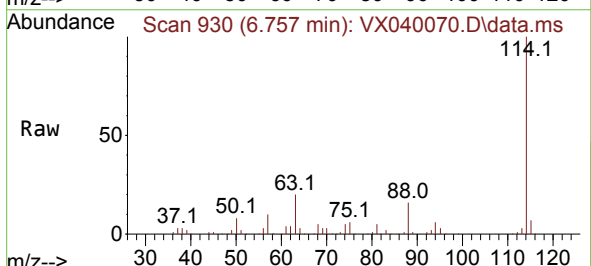
Tgt Ion: 114 Resp: 167300

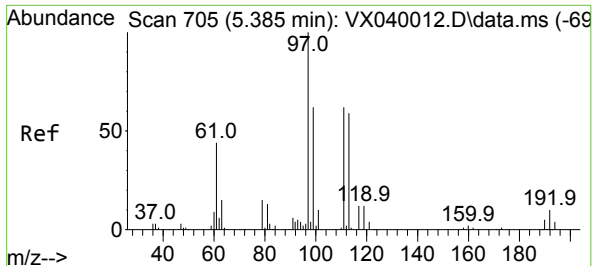
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

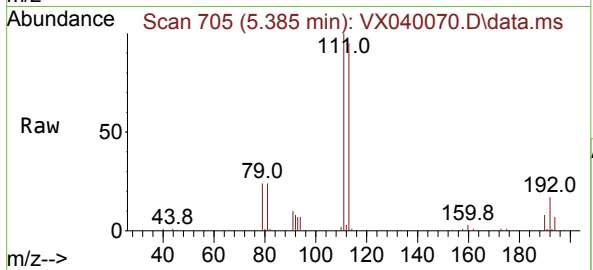
88 15.5 0.0 36.6



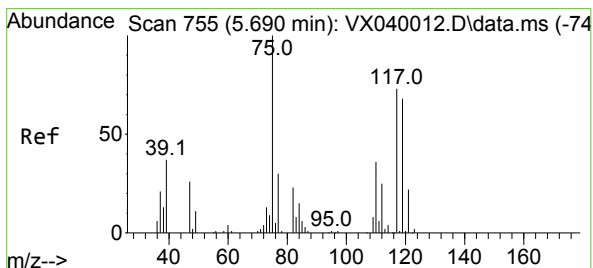
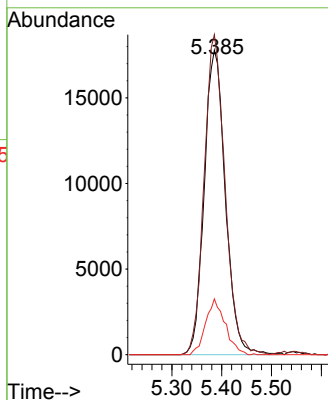
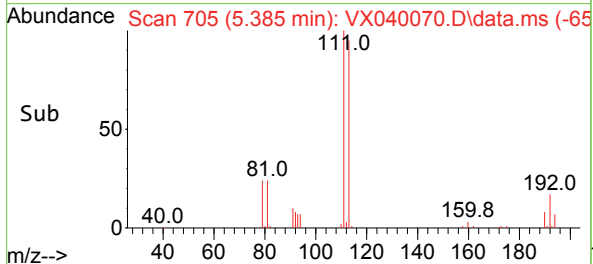


#35
Dibromofluoromethane
Concen: 46.033 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Instrument :
MSVOA_X
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NWV-2005

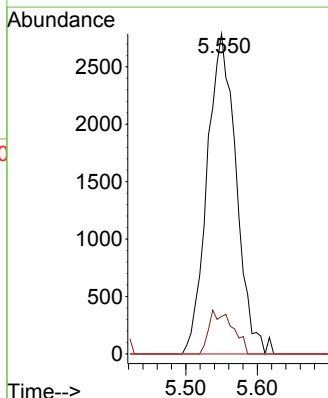
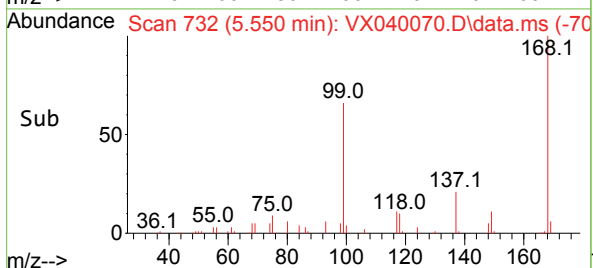
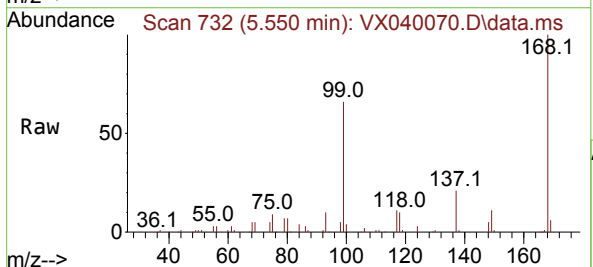


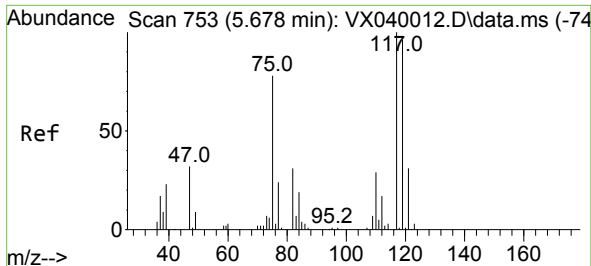
Tgt Ion:	113	Resp:	52426
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	16.9	13.3	19.9



#36
1,1-Dichloropropene
Concen: 4.765 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

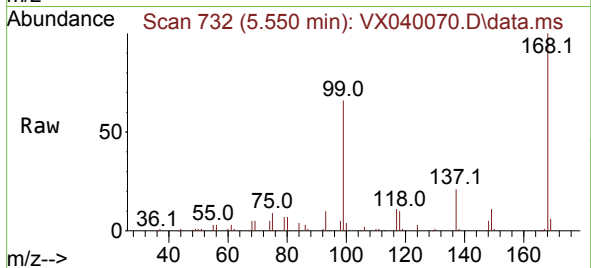
Tgt Ion:	75	Resp:	7849
Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.0	50.9#
77	0.0	24.7	37.1#



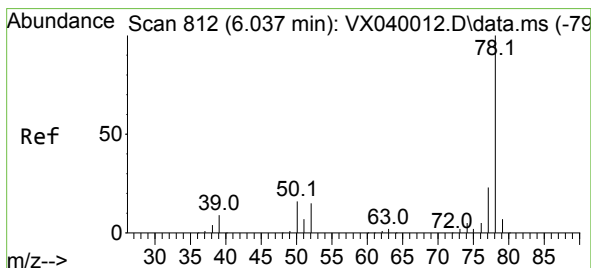
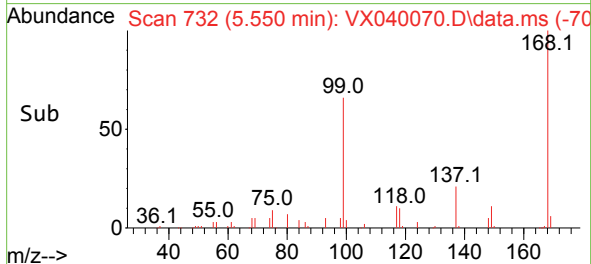
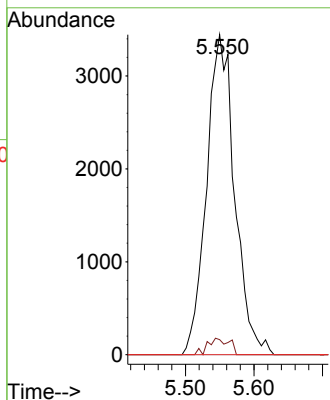


#38
Carbon Tetrachloride
Concen: 6.235 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Instrument :
MSVOA_X
ClientSampleId :
NWV-2005

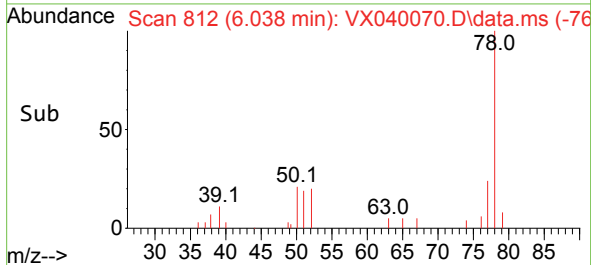
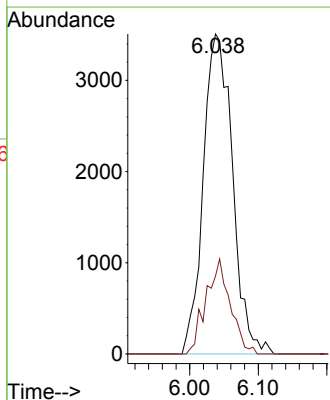
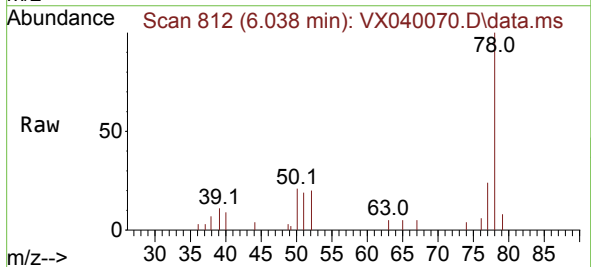


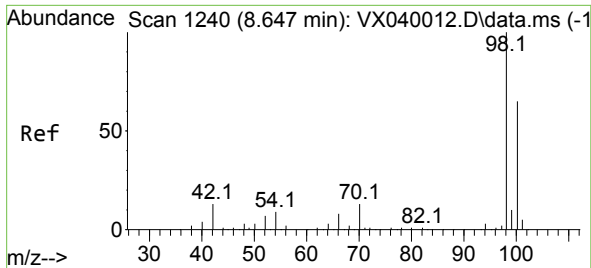
Tgt Ion:117 Resp: 9826
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 2.166 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Tgt Ion: 78 Resp: 10391
Ion Ratio Lower Upper
78 100
77 24.3 19.3 28.9

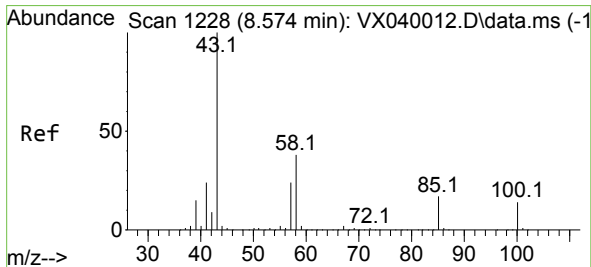
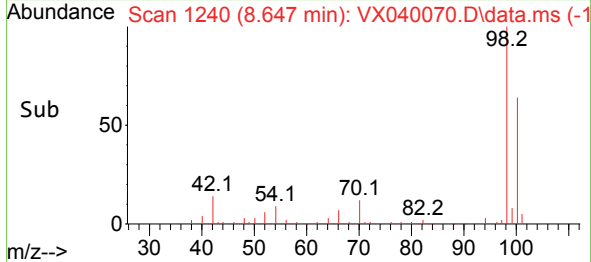
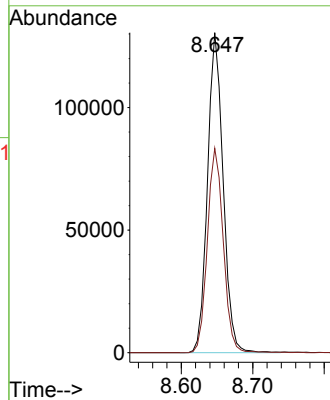
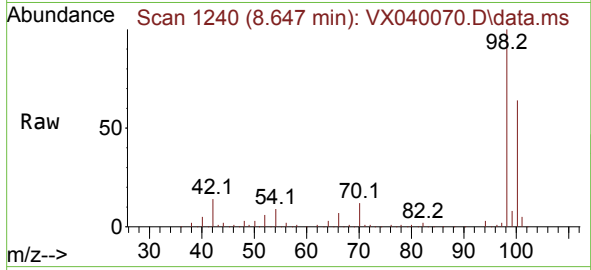




#50
Toluene-d8
Concen: 46.513 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

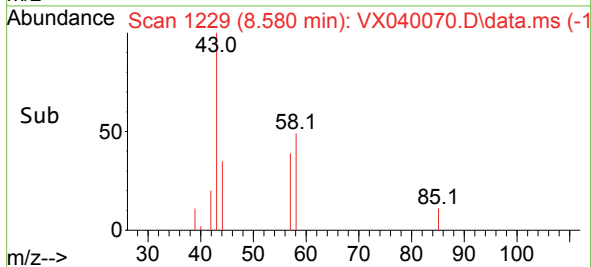
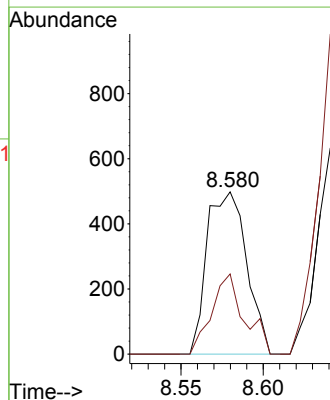
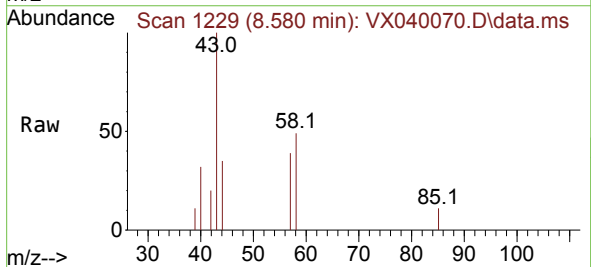
Instrument :
MSVOA_X
ClientSampleId :
NWV-2005

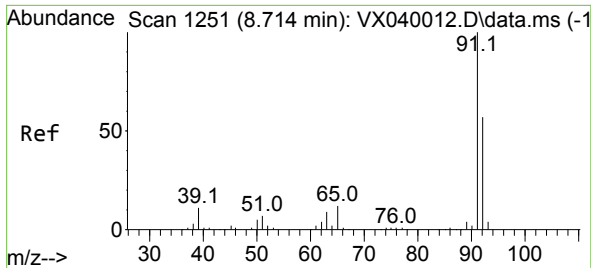
Tgt Ion: 98 Resp: 198103
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.431 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Tgt Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
58 40.6 30.4 45.6

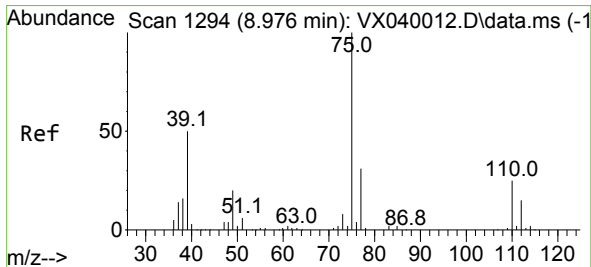
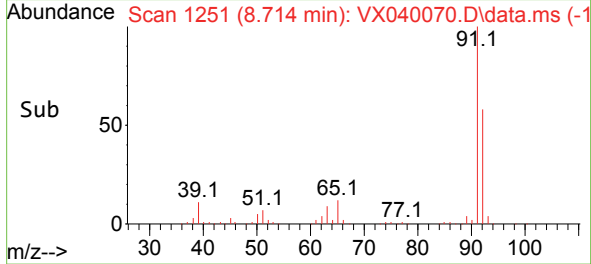
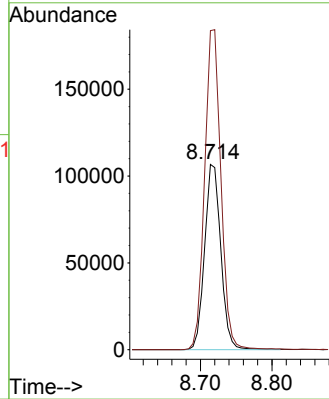
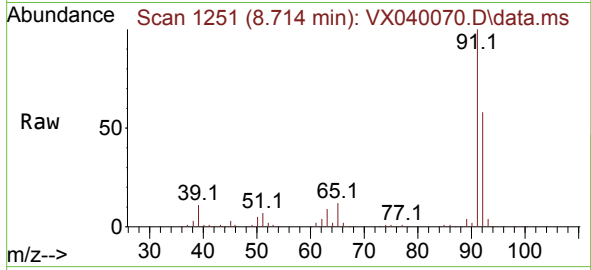




#52
Toluene
Concen: 56.192 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

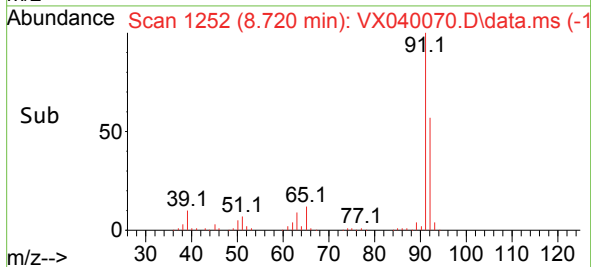
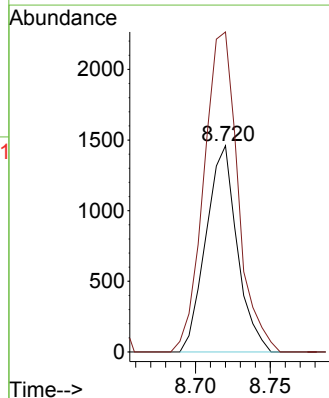
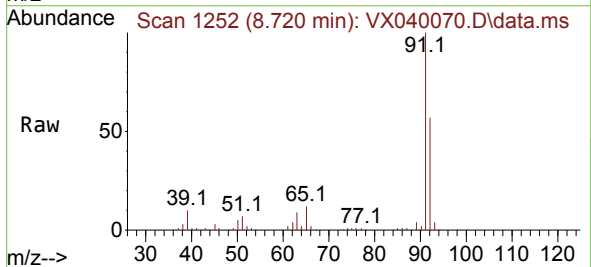
Instrument :
MSVOA_X
ClientSampleId :
NWV-2005

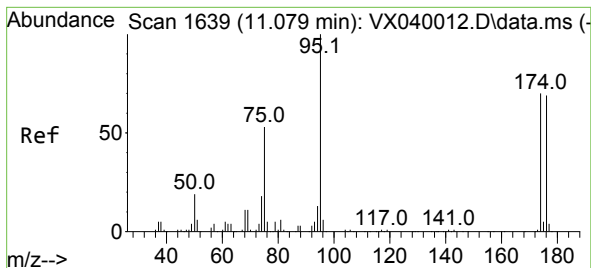
Tgt Ion: 92 Resp: 168018
Ion Ratio Lower Upper
92 100
91 174.0 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 1.207 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.256 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Tgt Ion: 75 Resp: 2119
Ion Ratio Lower Upper
75 100
77 155.1 25.7 38.5#

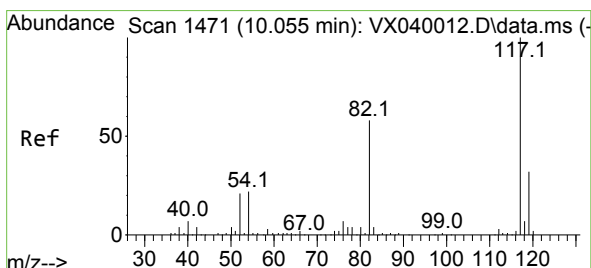
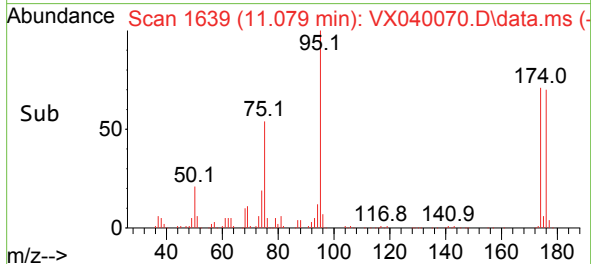
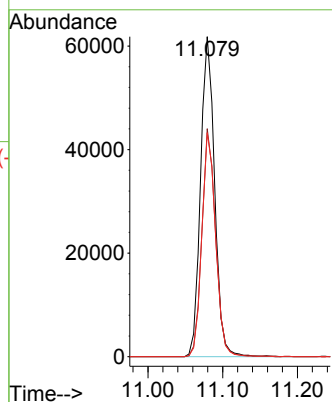
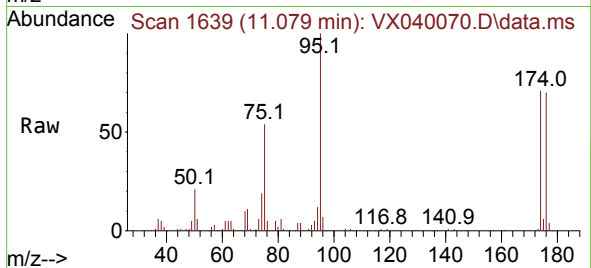




#62
4-Bromofluorobenzene
Concen: 49.178 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

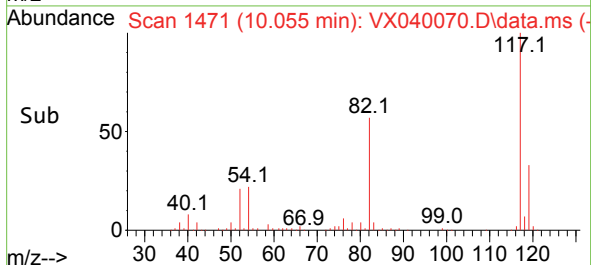
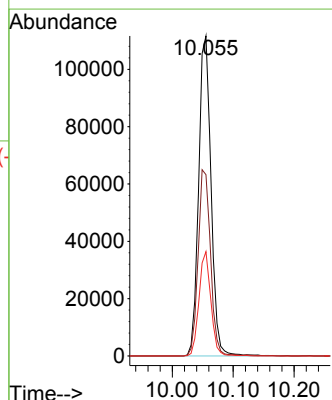
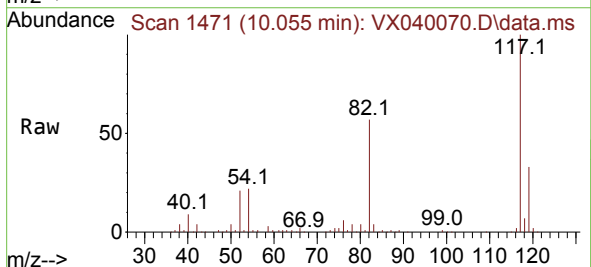
Instrument :
MSVOA_X
ClientSampleId :
NWV-2005

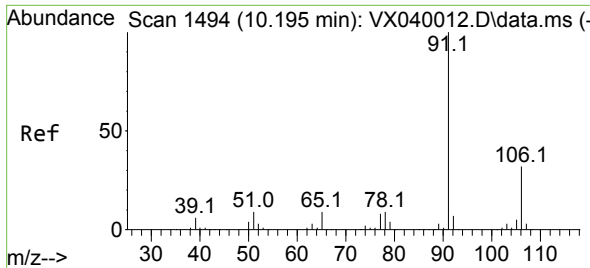
Tgt Ion: 95 Resp: 80650
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.6
176 68.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Tgt Ion: 117 Resp: 157485
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.6 25.5 38.3

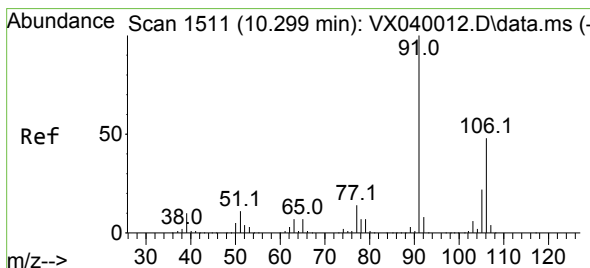
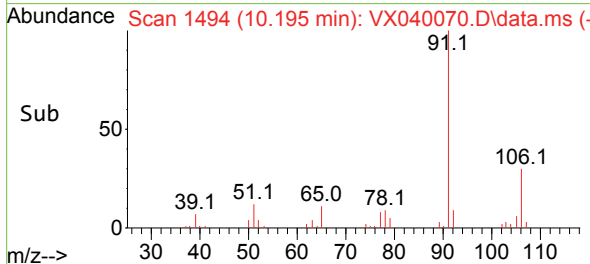
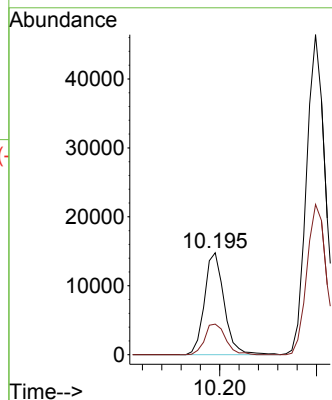
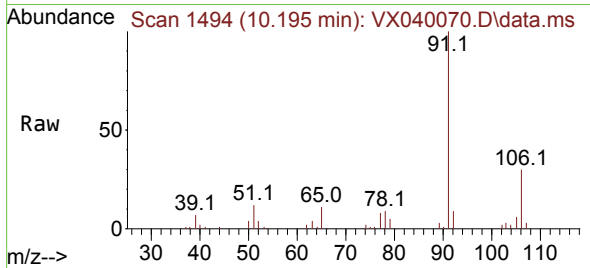




#67
Ethyl Benzene
Concen: 3.584 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

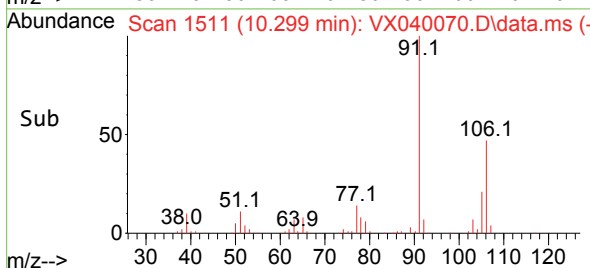
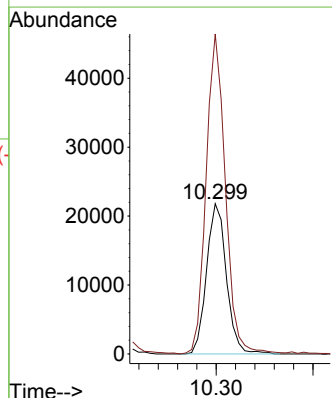
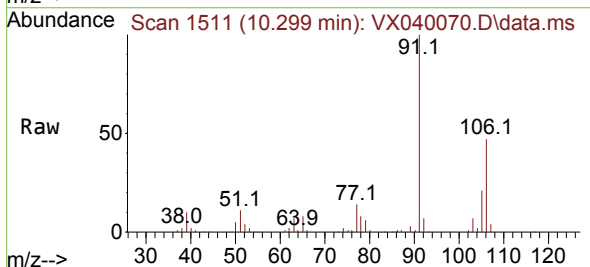
Instrument :
MSVOA_X
ClientSampleId :
NWV-2005

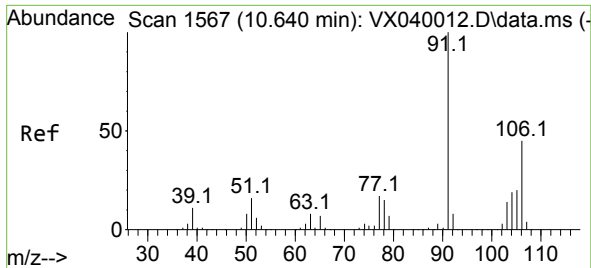
Tgt Ion: 91 Resp: 20935
Ion Ratio Lower Upper
91 100
106 30.0 24.9 37.3



#68
m/p-Xylenes
Concen: 14.151 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Tgt Ion: 106 Resp: 31093
Ion Ratio Lower Upper
106 100
91 206.5 165.5 248.3

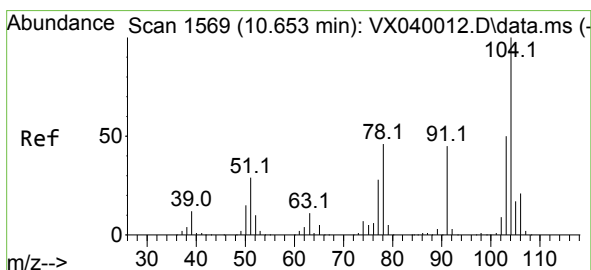
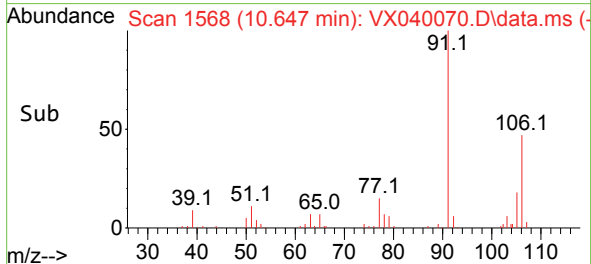
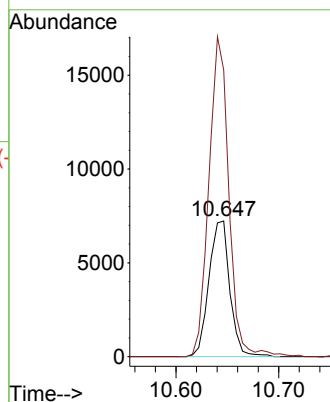
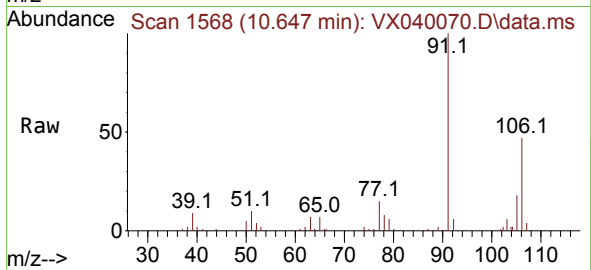




#69
o-Xylene
Concen: 4.895 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

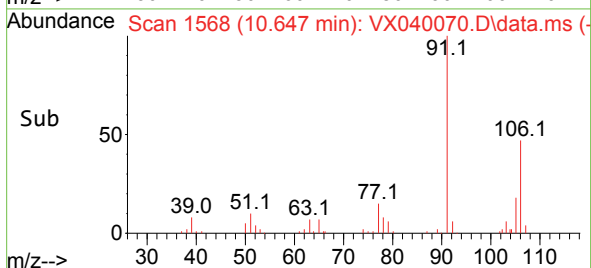
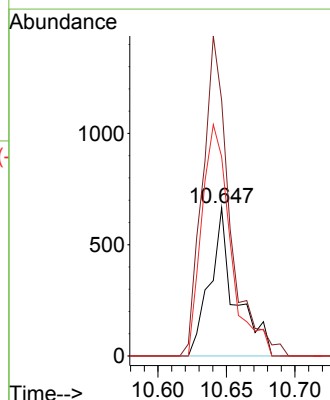
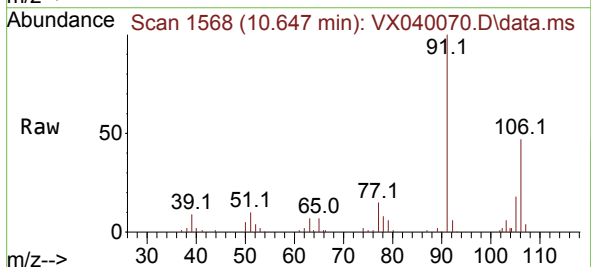
Instrument :
MSVOA_X
ClientSampleId :
NWV-2005

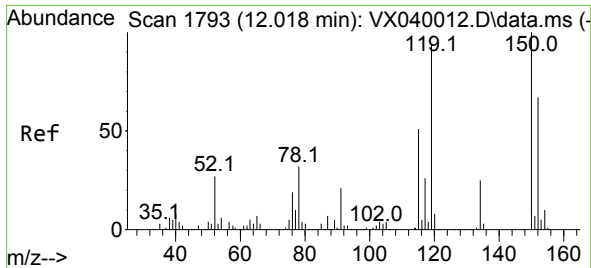
Tgt Ion:106 Resp: 10202
Ion Ratio Lower Upper
106 100
91 225.3 108.9 326.8



#70
Styrene
Concen: 0.245 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. -0.007 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Tgt Ion:104 Resp: 861
Ion Ratio Lower Upper
104 100
78 231.7 43.6 65.4#
103 177.1 43.6 65.4#

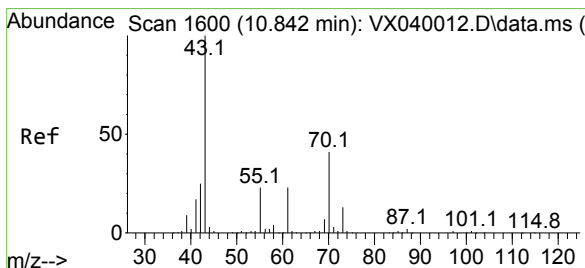
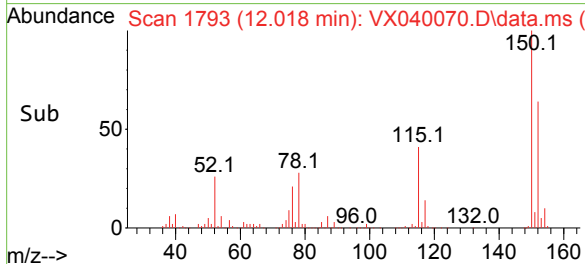
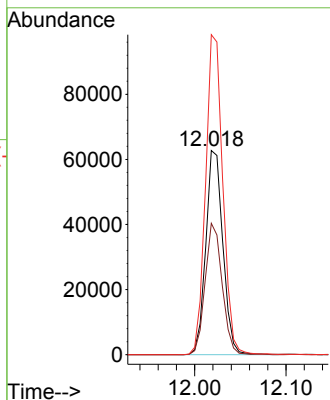
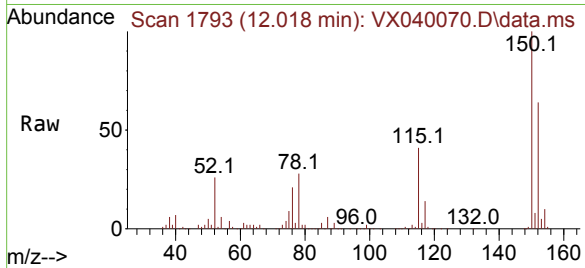




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040070.D
 Acq: 01 Feb 2024 14:47

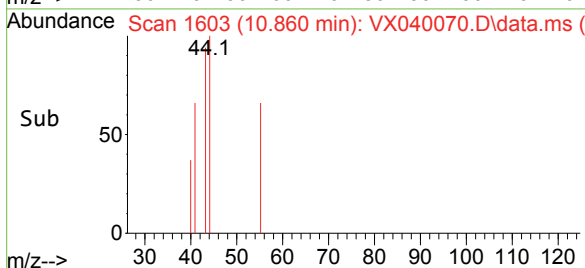
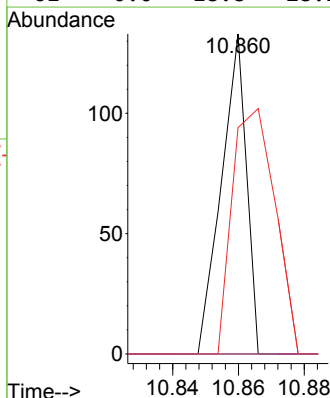
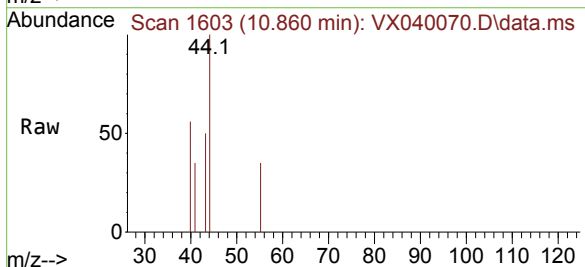
Instrument :
 MSVOA_X
 ClientSampleId :
 NWV-2005

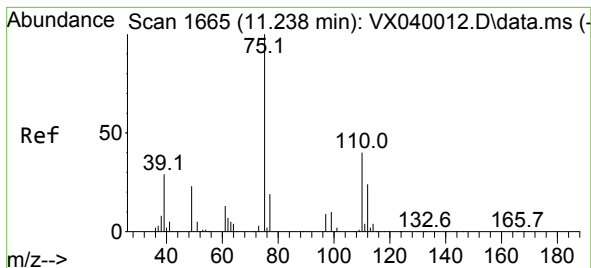
Tgt Ion:152 Resp: 81474
 Ion Ratio Lower Upper
 152 100
 115 63.8 43.3 129.9
 150 157.4 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.225 ug/l
 RT: 10.860 min Scan# 1603
 Delta R.T. 0.018 min
 Lab File: VX040070.D
 Acq: 01 Feb 2024 14:47

Tgt Ion: 43 Resp: 70
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 131.4 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.564 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX040070.D

Acq: 01 Feb 2024 14:47

Instrument :

MSVOA_X

ClientSampleId :

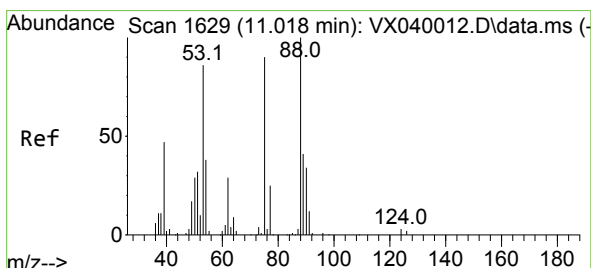
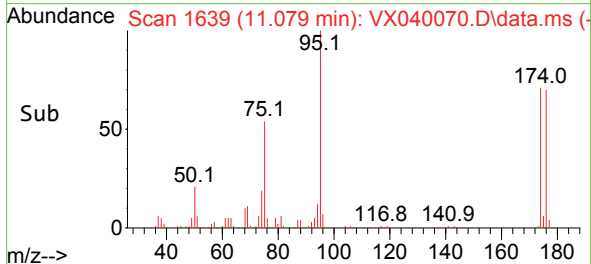
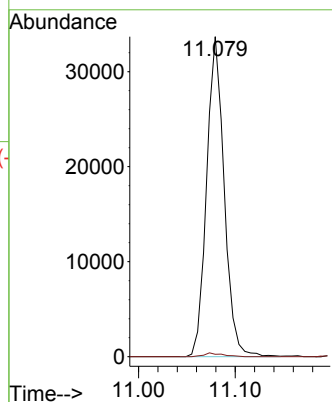
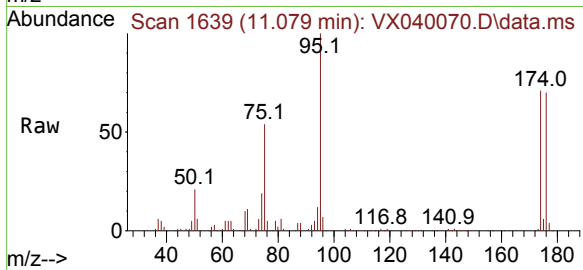
NWV-2005

Tgt Ion: 75 Resp: 42618

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.835 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040070.D

Acq: 01 Feb 2024 14:47

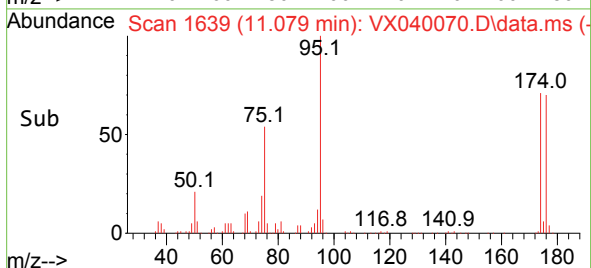
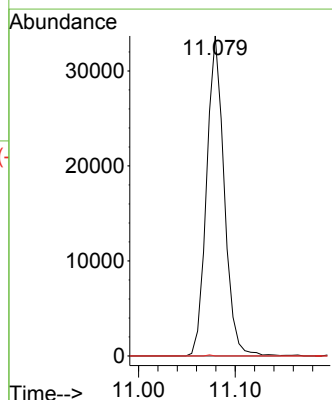
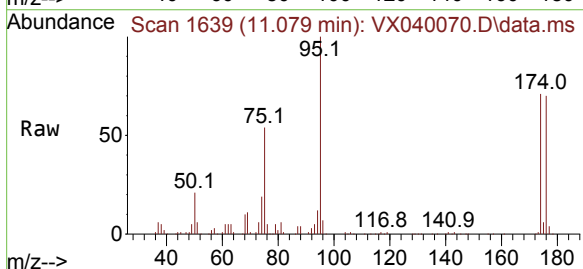
Tgt Ion: 75 Resp: 42618

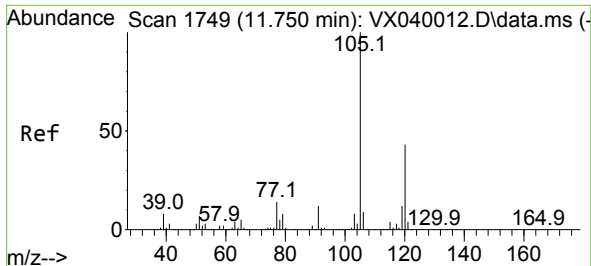
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

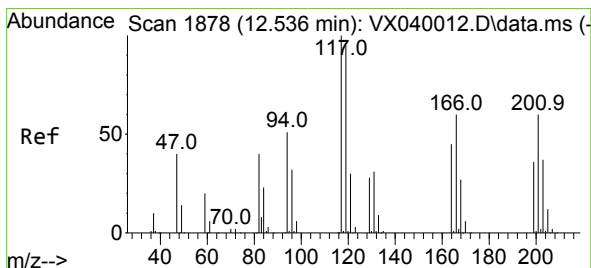
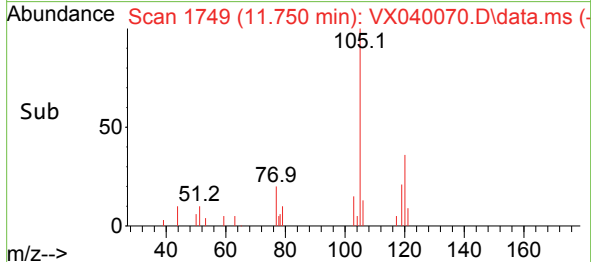
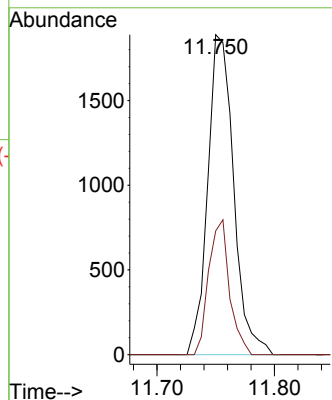
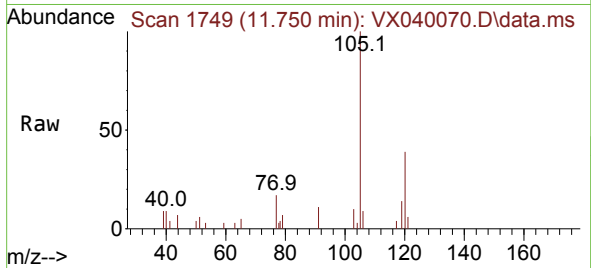




#84
1,2,4-Trimethylbenzene
Concen: 0.577 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

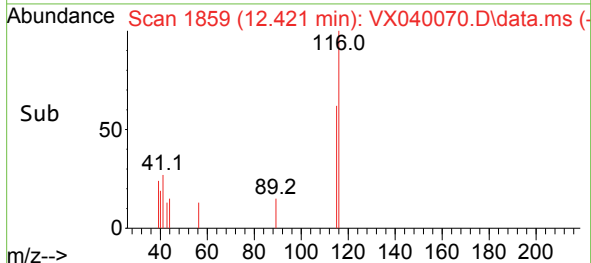
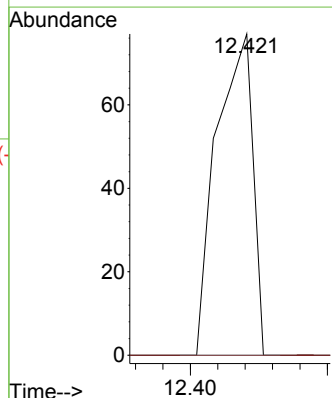
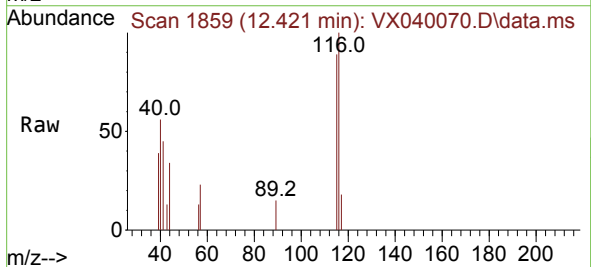
Instrument :
MSVOA_X
ClientSampleId :
NWV-2005

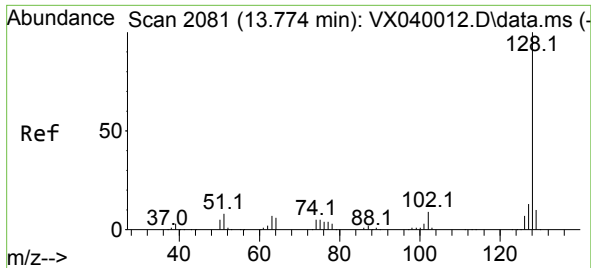
Tgt Ion:105 Resp: 2895
Ion Ratio Lower Upper
105 100
120 33.9 21.2 63.6



#90
Hexachloroethane
Concen: Below Cal
RT: 12.421 min Scan# 1859
Delta R.T. -0.115 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

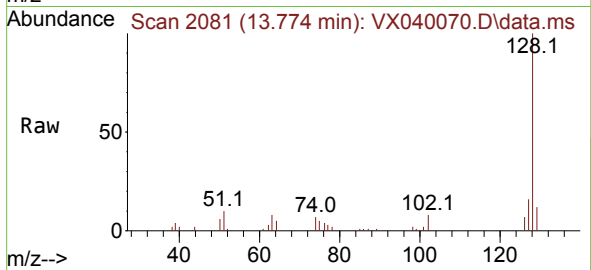
Tgt Ion:117 Resp: 71
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 2.206 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX040070.D
Acq: 01 Feb 2024 14:47

Instrument :
MSVOA_X
ClientSampleId :
NWV-2005



Tgt Ion:	128	Resp:	12293
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.7	8.8	13.2

