

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013024\
 Data File : VX040030.D
 Acq On : 30 Jan 2024 19:29
 Operator : JC/MD
 Sample : PB158700ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#05

Quant Time: Jan 31 05:40:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 05:24:02 2024
 Response via : Initial Calibration

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

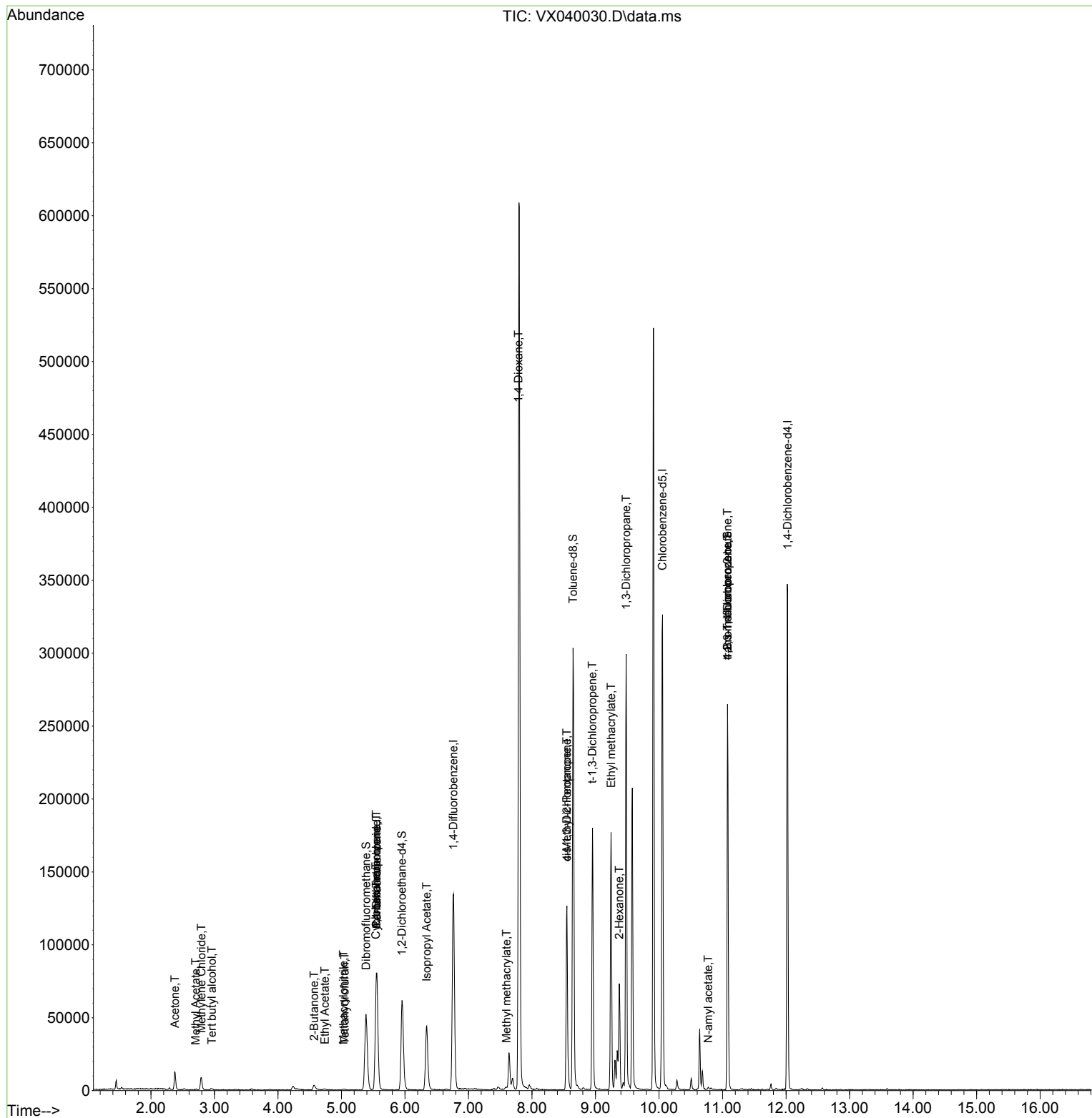
Internal Standards						
1) Pentafluorobenzene	5.556	168	69798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58982	52.507	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.020%			
35) Dibromofluoromethane	5.385	113	43471	47.257	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.520%			
50) Toluene-d8	8.647	98	176607	51.338	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.680%			
62) 4-Bromofluorobenzene	11.079	95	68966	52.065	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.120%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	1127	5.529	ug/l #	85
16) Acetone	2.379	43	12671	24.074	ug/l	95
18) Methyl Acetate	2.703	43	753	0.604	ug/l #	65
20) Methylene Chloride	2.794	84	3831	4.096	ug/l	95
25) 2-Butanone	4.568	43	6394	8.739	ug/l	94
29) Tetrahydrofuran	5.050	42	483	1.038	ug/l #	38
31) Cyclohexane	5.543	56	1825	1.297	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	6877	5.169	ug/l #	49
37) Ethyl Acetate	4.739	43	1258	0.866	ug/l #	84
38) Carbon Tetrachloride	5.550	117	8074	6.343	ug/l #	17
41) Methacrylonitrile	5.031	41	256	0.347	ug/l #	39
43) Isopropyl Acetate	6.342	43	60878	26.570	ug/l	98
48) Methyl methacrylate	7.598	41	1707	1.512	ug/l #	16
49) 1,4-Dioxane	7.787	88	42	1.712	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	44128	28.214	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	396	0.279	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	18732	12.376	ug/l #	66
56) Ethyl methacrylate	9.244	69	505	0.346	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2524	1.533	ug/l #	42
59) 2-Hexanone	9.372	43	54348	43.581	ug/l #	26
74) N-amyl acetate	10.774	43	1315	0.810	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	38002	27.007	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	38002	78.846	ug/l #	5

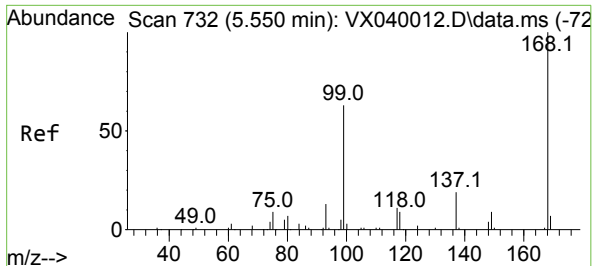
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jan 31 05:40:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 31 05:24:02 2024
Response via : Initial Calibration

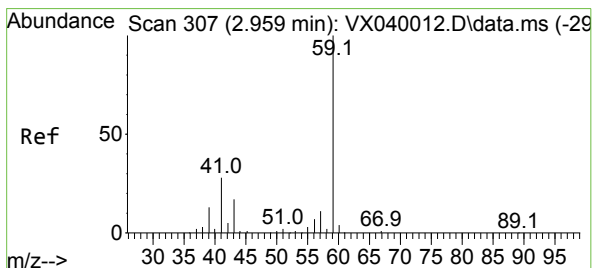
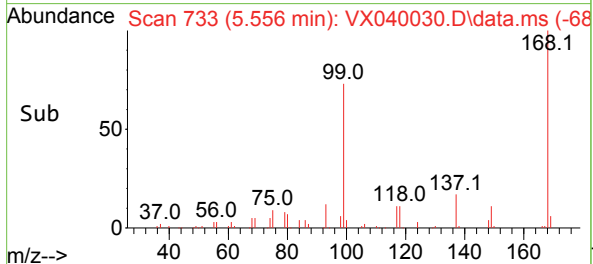
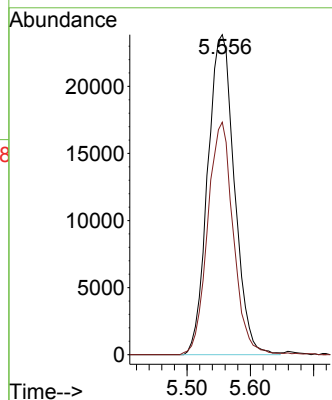
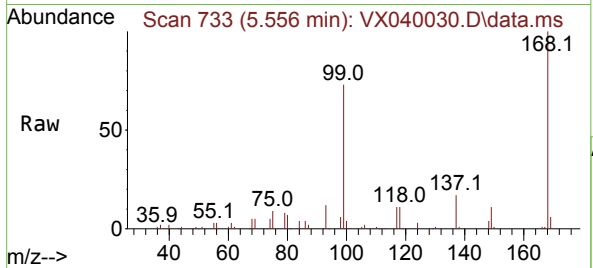




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

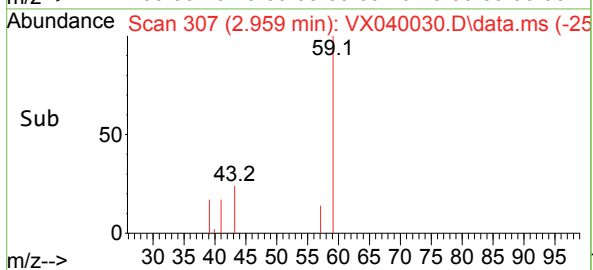
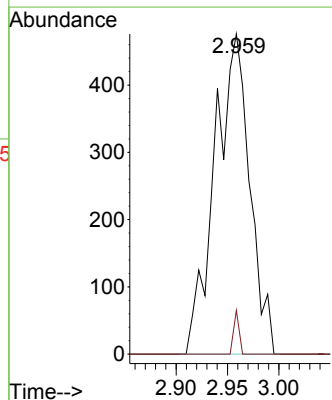
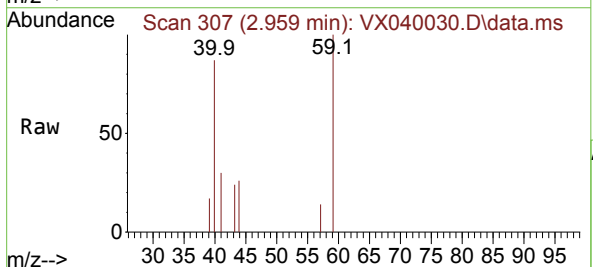
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#05

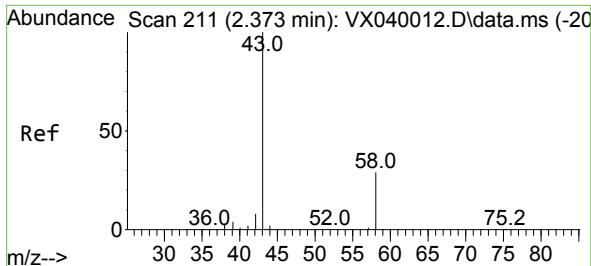
Tgt Ion:168 Resp: 69798
Ion Ratio Lower Upper
168 100
99 72.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 5.529 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Tgt Ion: 59 Resp: 1127
Ion Ratio Lower Upper
59 100
57 2.1 6.0 9.0#

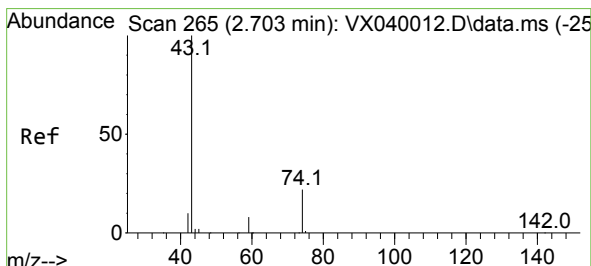
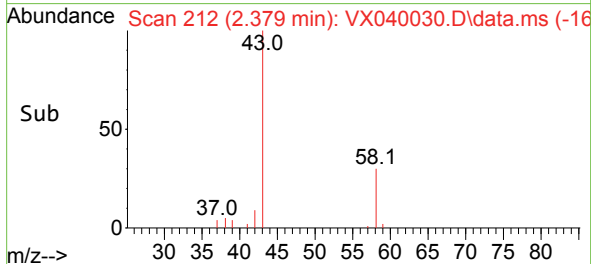
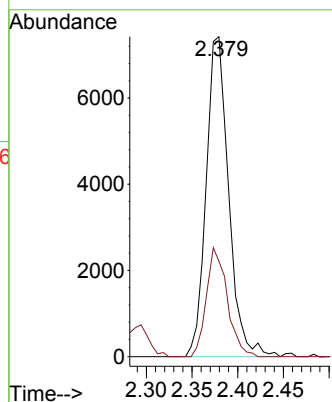
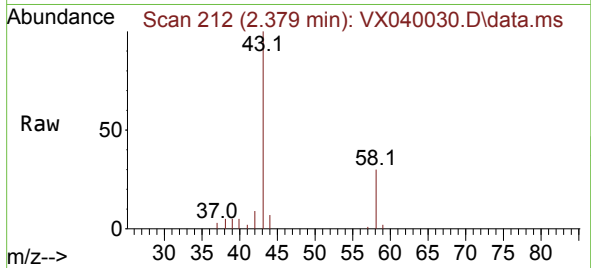




#16
Acetone
Concen: 24.074 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

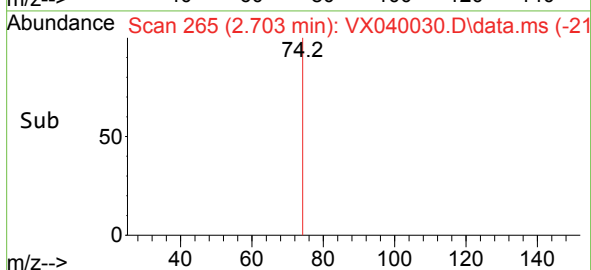
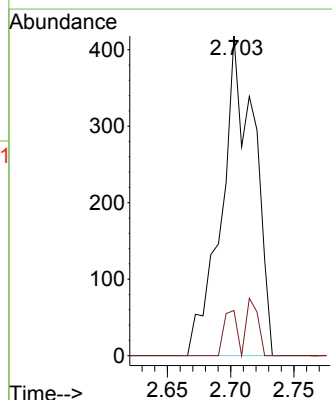
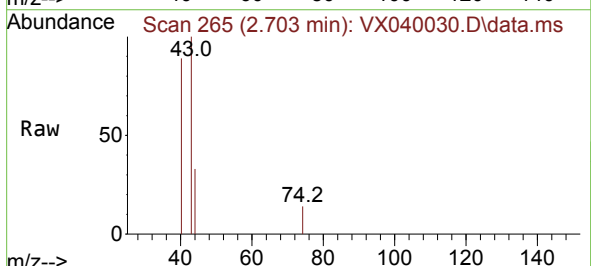
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#05

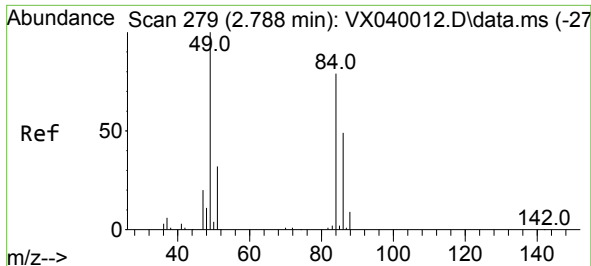
Tgt Ion: 43 Resp: 12671
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.604 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

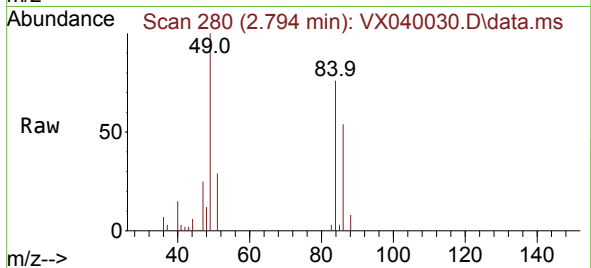
Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
74 5.6 17.8 26.8#



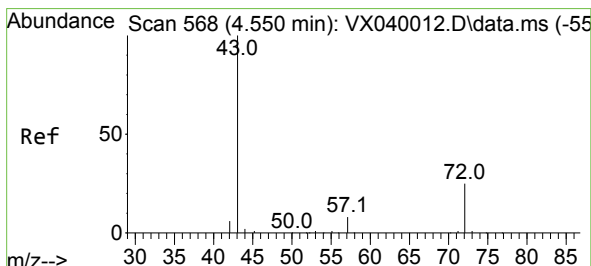
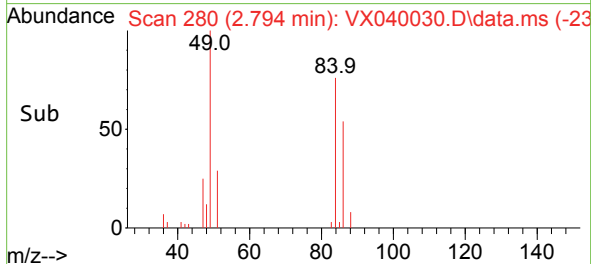
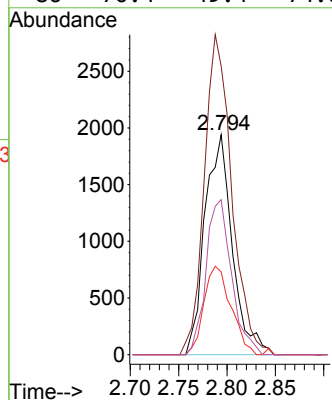


#20
Methylene Chloride
Concen: 4.096 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#05

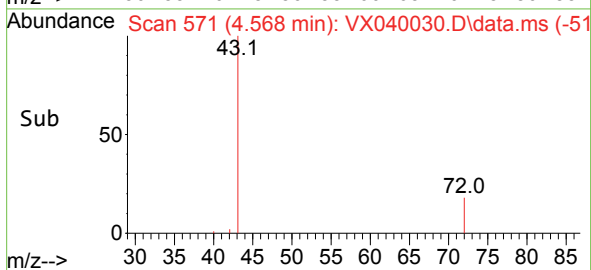
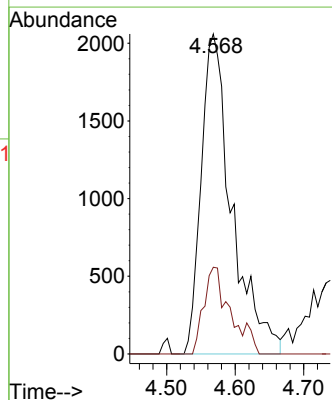
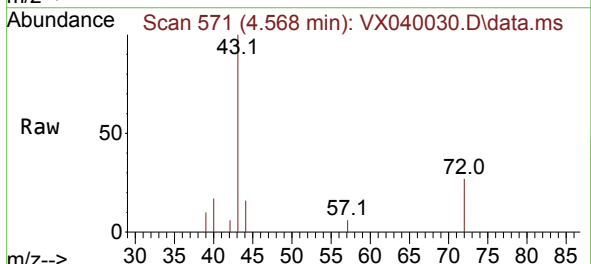


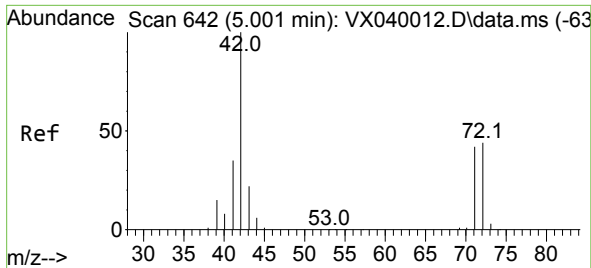
Tgt Ion:	84	Resp:	3831
Ion	Ratio	Lower	Upper
84	100		
49	131.2	103.6	155.4
51	37.7	33.8	50.6
86	70.4	49.4	74.0



#25
2-Butanone
Concen: 8.739 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Tgt Ion:	43	Resp:	6394
Ion	Ratio	Lower	Upper
43	100		
72	27.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 1.038 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX040030.D

Acq: 30 Jan 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

PB158700ZHE#05

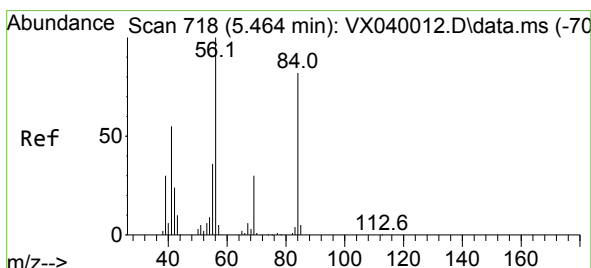
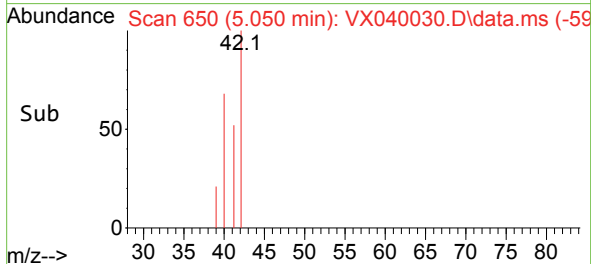
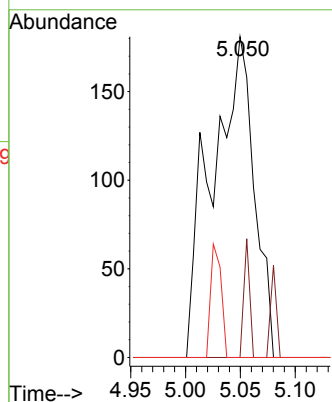
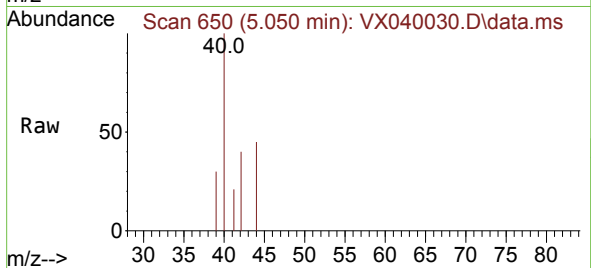
Tgt Ion: 42 Resp: 483

Ion Ratio Lower Upper

42 100

72 5.2 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.297 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX040030.D

Acq: 30 Jan 2024 19:29

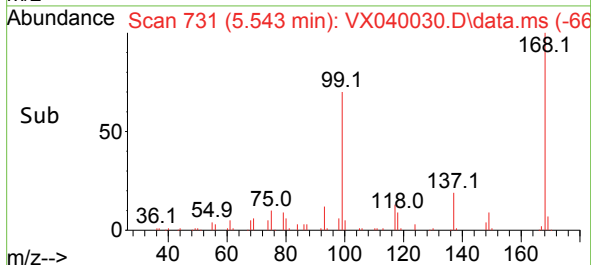
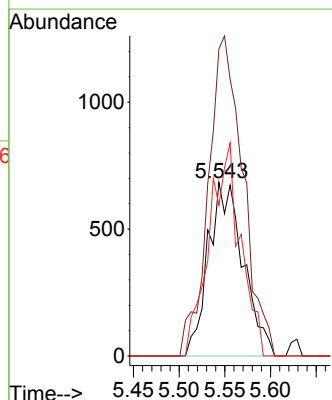
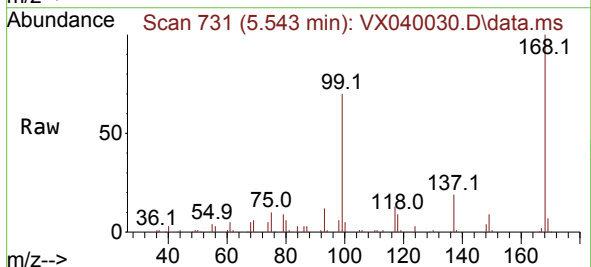
Tgt Ion: 56 Resp: 1825

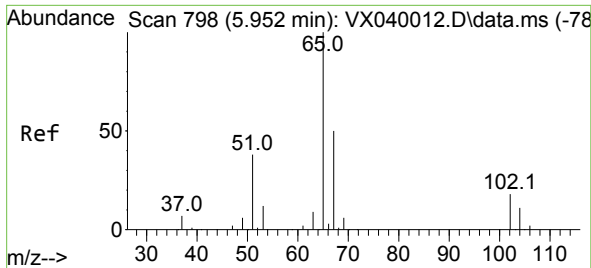
Ion Ratio Lower Upper

56 100

69 176.9 23.4 35.2#

84 86.8 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 52.507 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX040030.D

Acq: 30 Jan 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

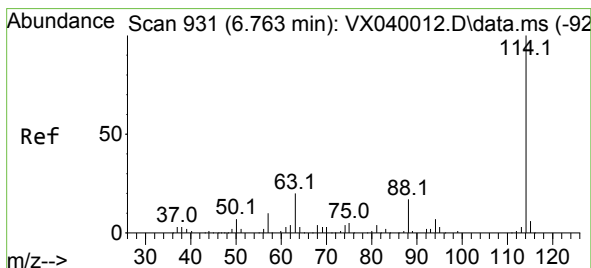
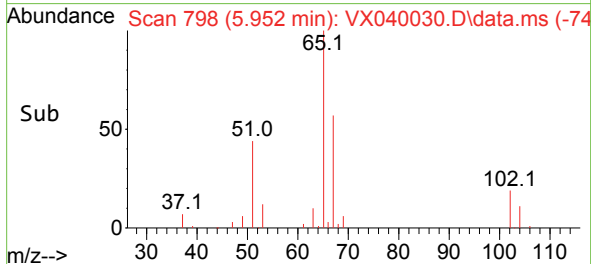
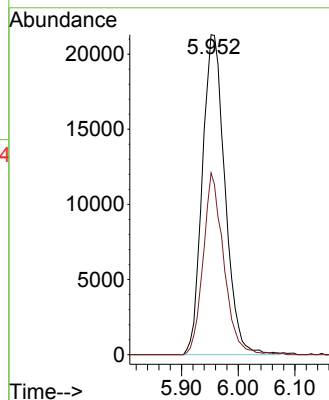
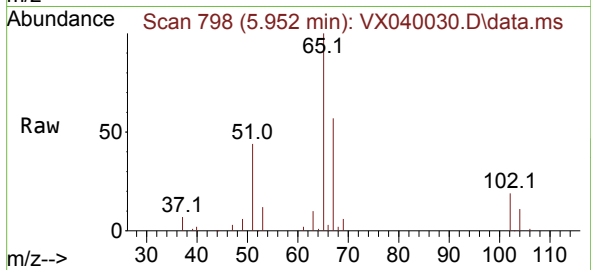
PB158700ZHE#05

Tgt Ion: 65 Resp: 58982

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040030.D

Acq: 30 Jan 2024 19:29

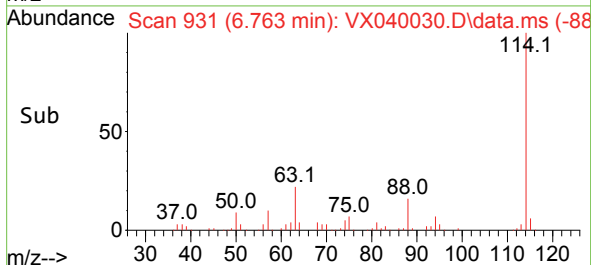
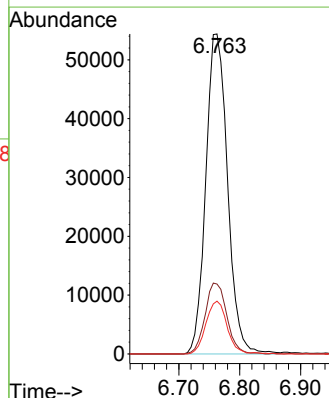
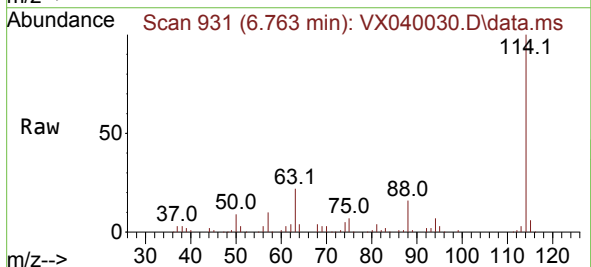
Tgt Ion: 114 Resp: 135131

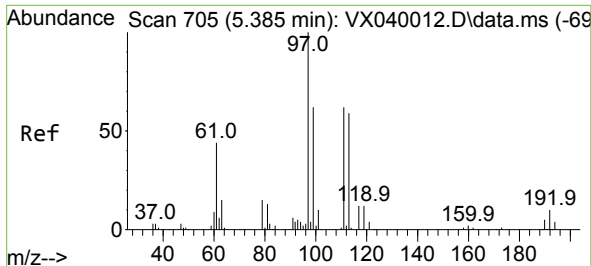
Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

88 16.5 0.0 36.6

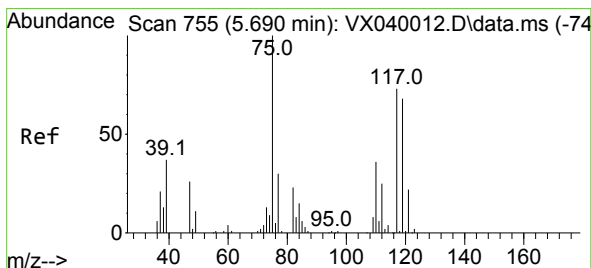
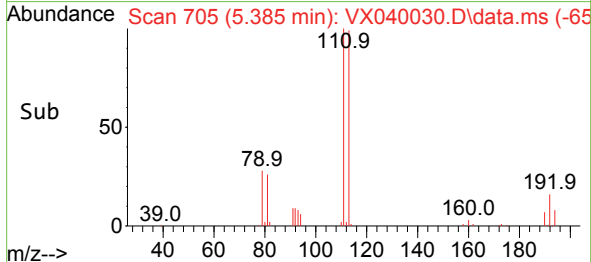
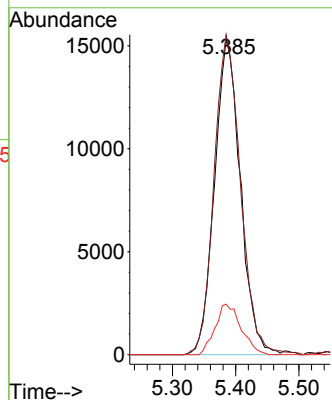
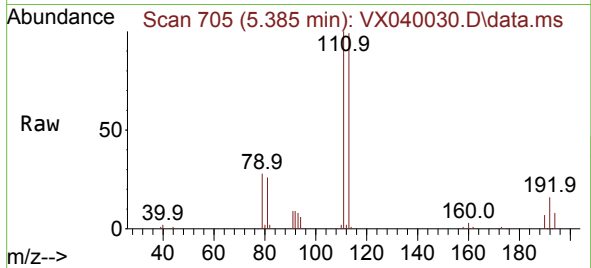




#35
Dibromofluoromethane
Concen: 47.257 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

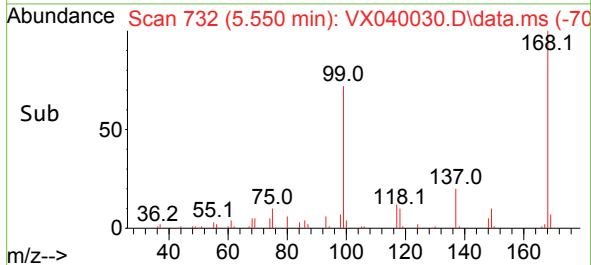
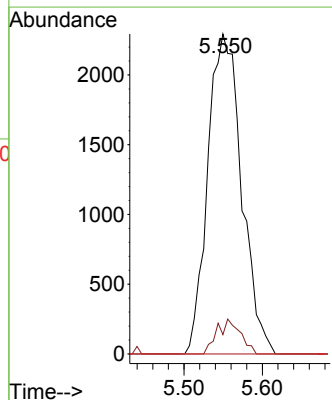
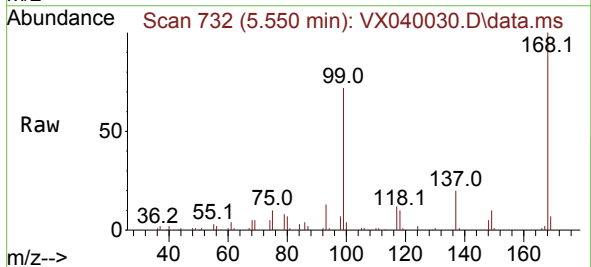
Instrument :
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PB158700ZHE#05

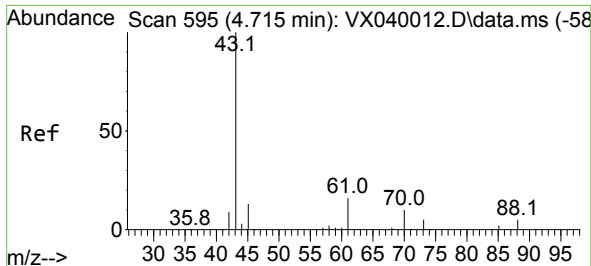
Tgt Ion:113 Resp: 43471
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 16.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.169 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Tgt Ion: 75 Resp: 6877
Ion Ratio Lower Upper
75 100
110 7.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.866 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

Lab File: VX040030.D

Acq: 30 Jan 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

PB158700ZHE#05

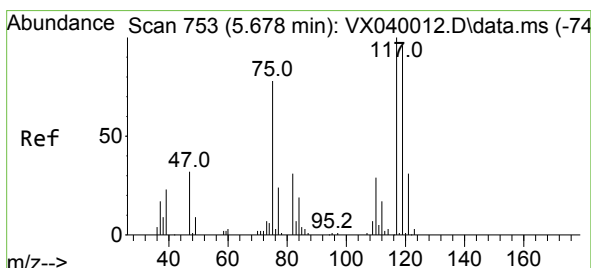
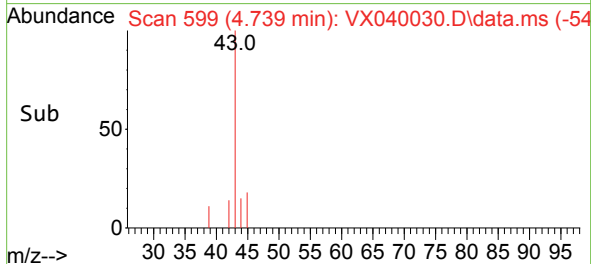
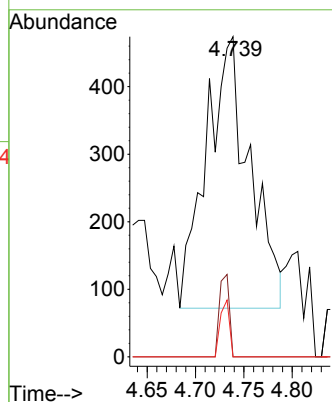
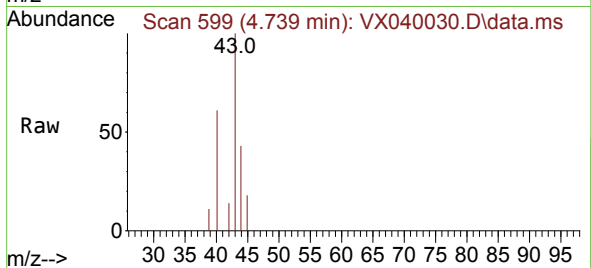
Tgt Ion: 43 Resp: 1258

Ion Ratio Lower Upper

43 100

61 6.8 10.6 16.0#

70 4.3 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.343 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040030.D

Acq: 30 Jan 2024 19:29

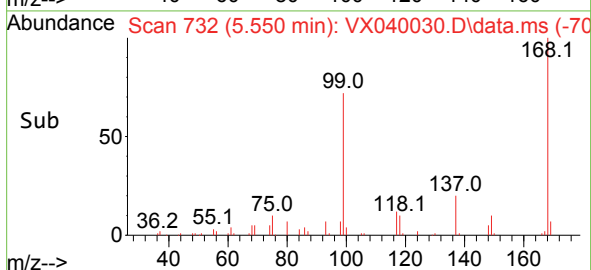
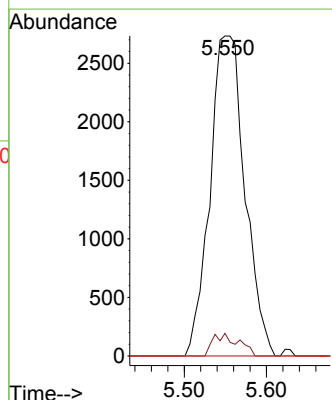
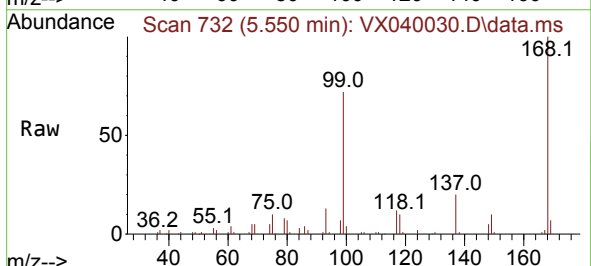
Tgt Ion: 117 Resp: 8074

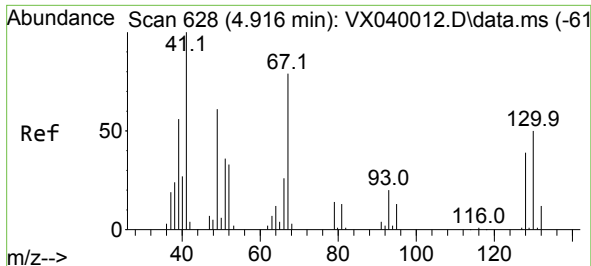
Ion Ratio Lower Upper

117 100

119 7.1 78.2 117.2#

121 0.0 24.4 36.6#

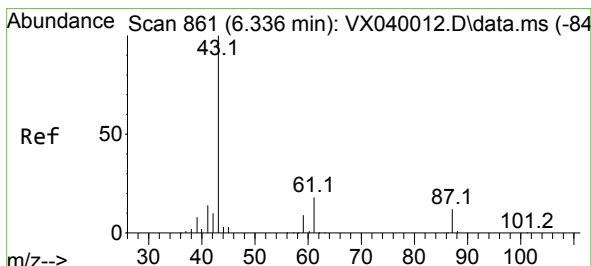
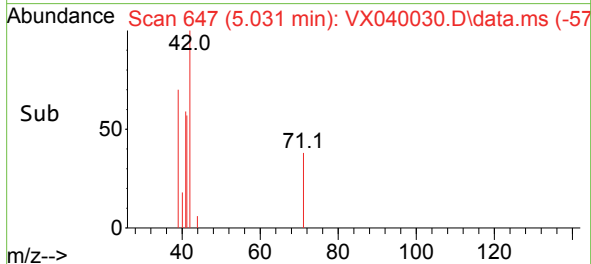
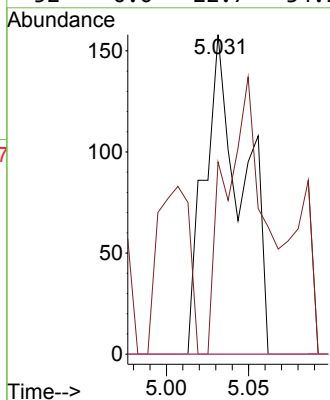
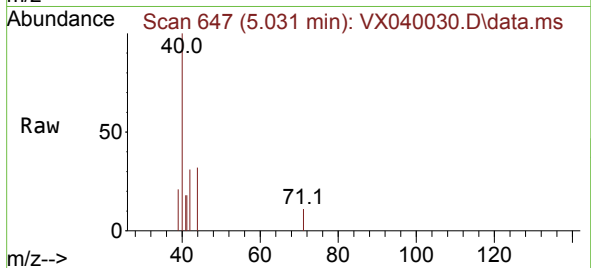




#41
Methacrylonitrile
Concen: 0.347 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

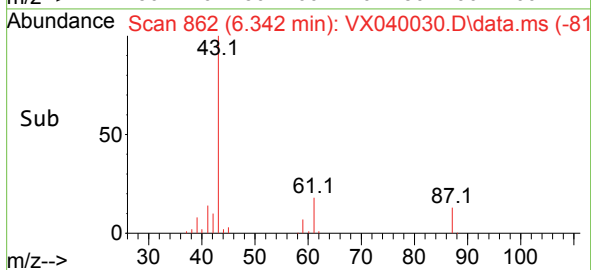
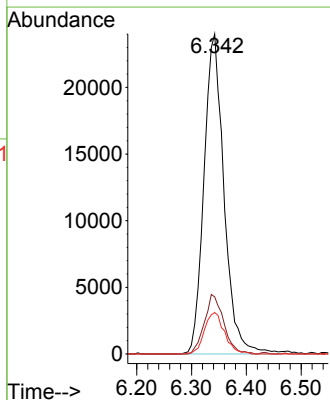
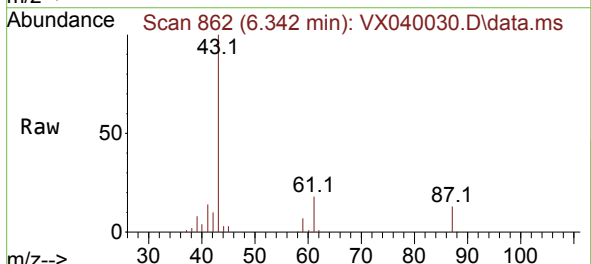
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#05

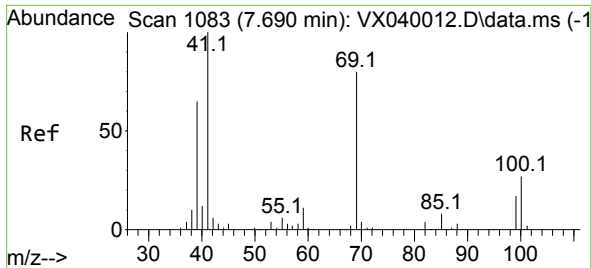
Tgt Ion: 41	Resp: 256
Ion Ratio	Lower Upper
41 100	
39 85.2	45.2 67.8#
67 0.0	52.6 78.8#
52 0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 26.570 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Tgt Ion: 43	Resp: 60878
Ion Ratio	Lower Upper
43 100	
61 17.9	15.2 22.8
87 12.9	9.8 14.6

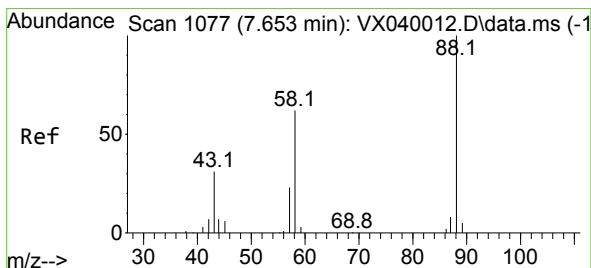
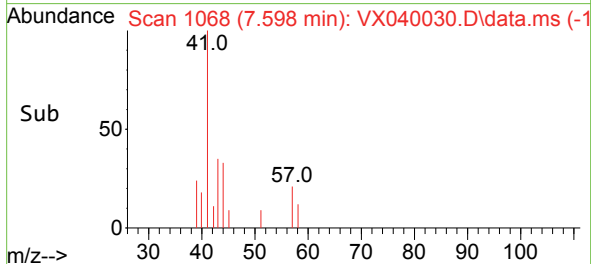
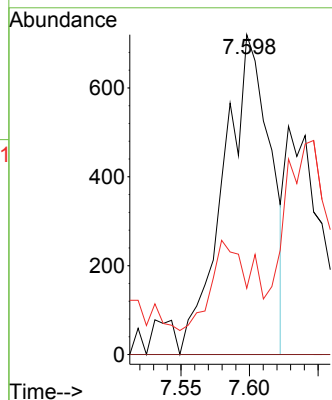
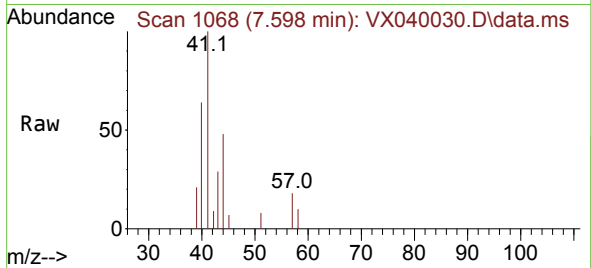




#48
Methyl methacrylate
Concen: 1.512 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.092 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

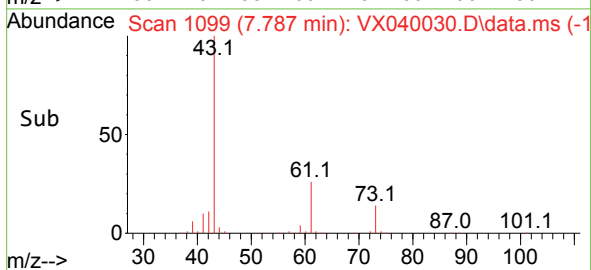
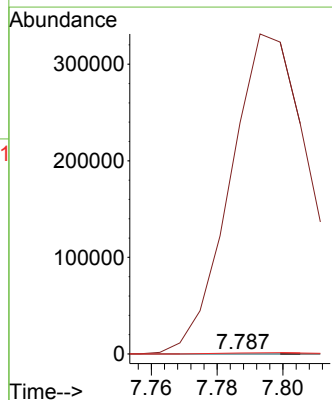
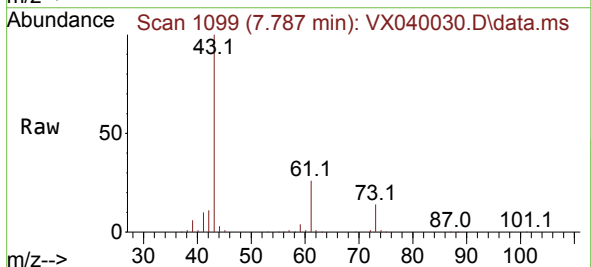
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#05

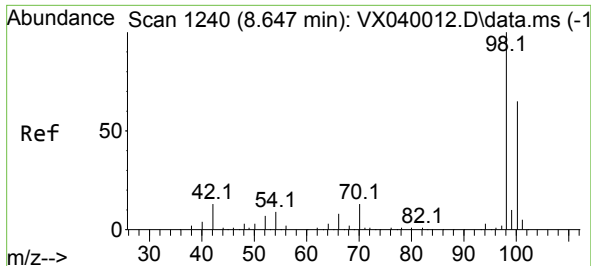
Tgt Ion: 41 Resp: 1707
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 1.712 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.134 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 1366521.4 0.0 0.0#
58 5900.0 60.1 90.1#

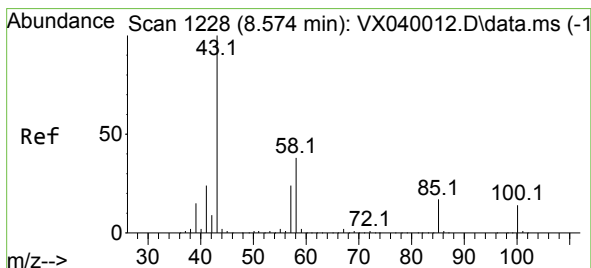
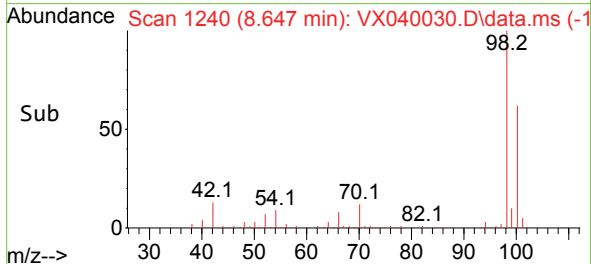
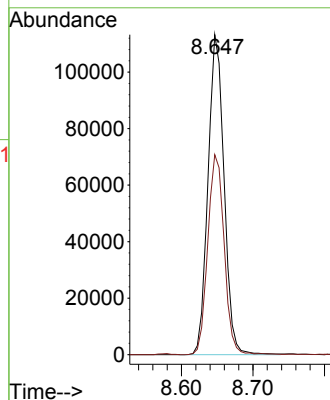
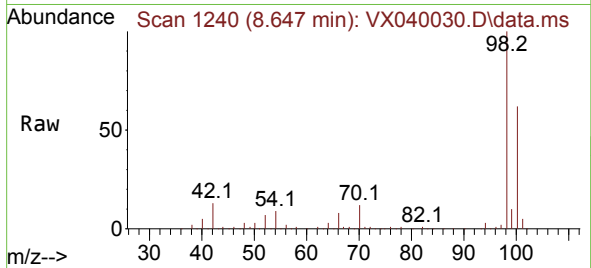




#50
Toluene-d8
Concen: 51.338 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

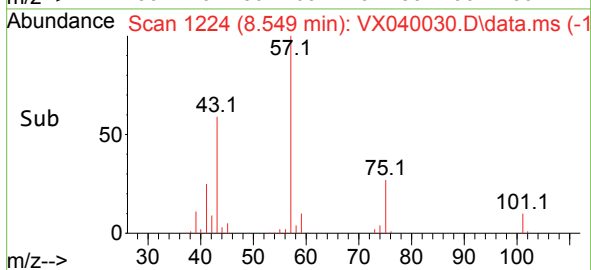
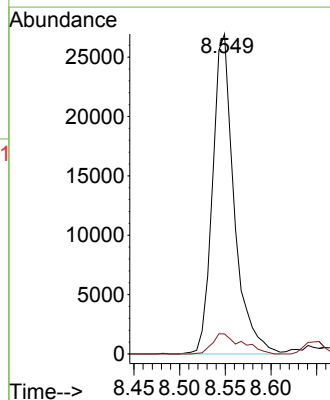
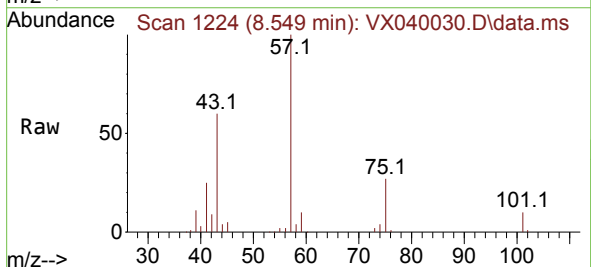
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#05

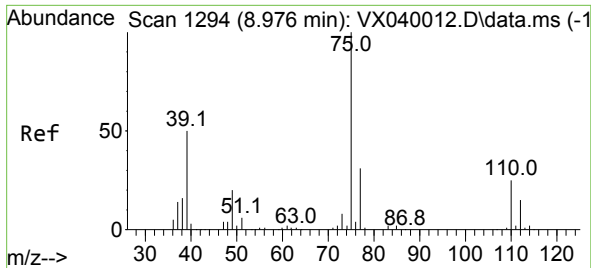
Tgt Ion: 98 Resp: 176607
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 28.214 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Tgt Ion: 43 Resp: 44128
Ion Ratio Lower Upper
43 100
58 8.7 30.4 45.6#

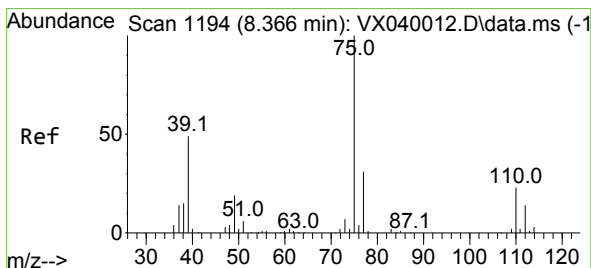
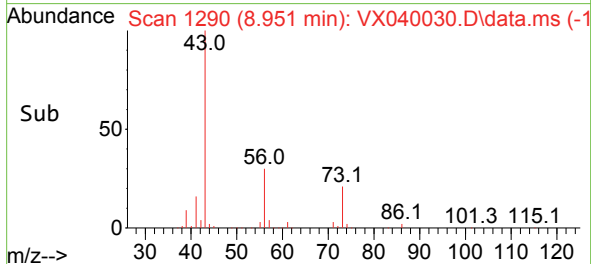
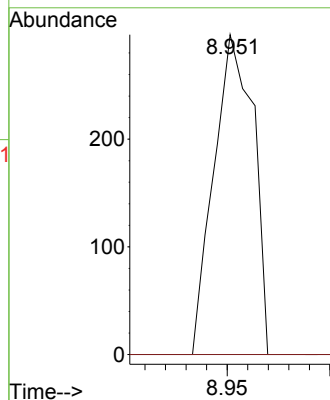
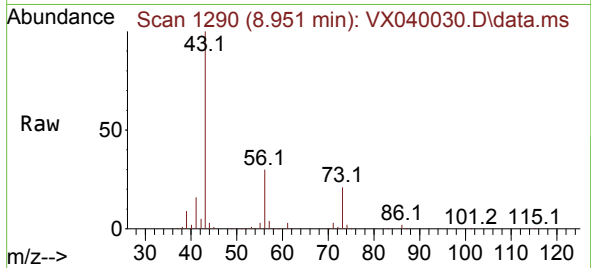




#53
 t-1,3-Dichloropropene
 Concen: 0.279 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX040030.D
 Acq: 30 Jan 2024 19:29

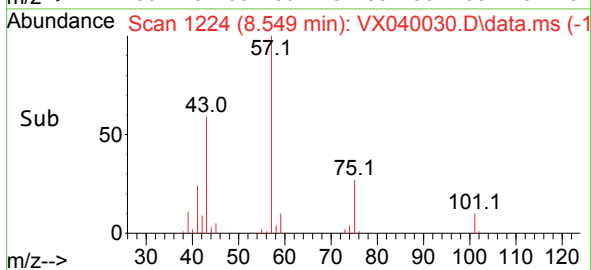
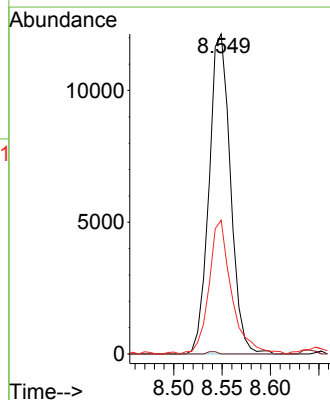
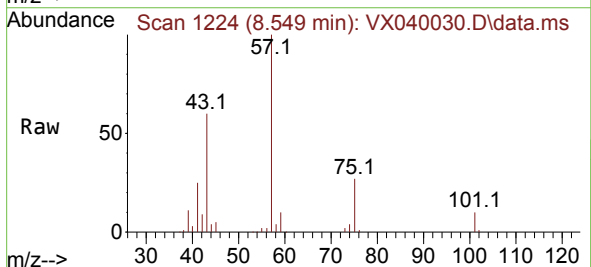
Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#05

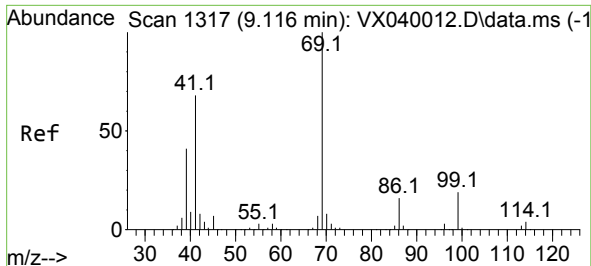
Tgt Ion: 75 Resp: 396
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.376 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040030.D
 Acq: 30 Jan 2024 19:29

Tgt Ion: 75 Resp: 18732
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 41.8 46.7 70.1#

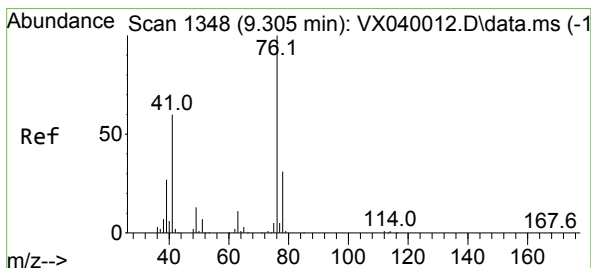
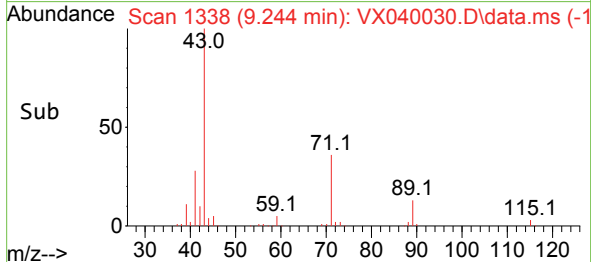
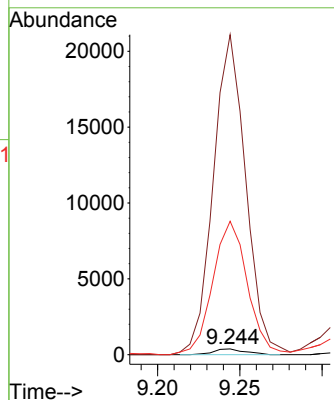
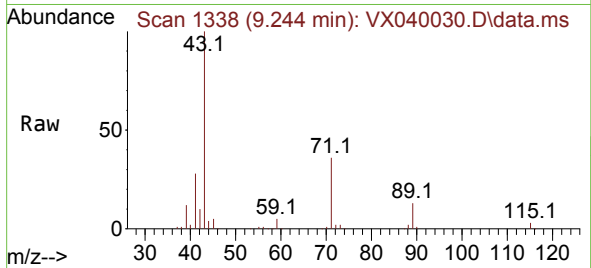




#56
Ethyl methacrylate
Concen: 0.346 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

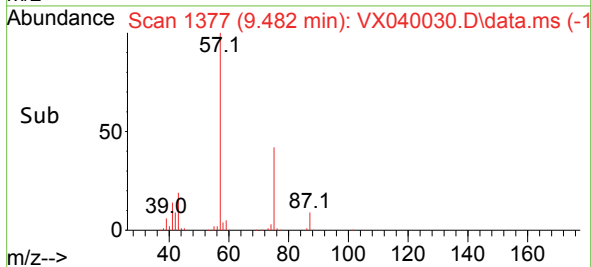
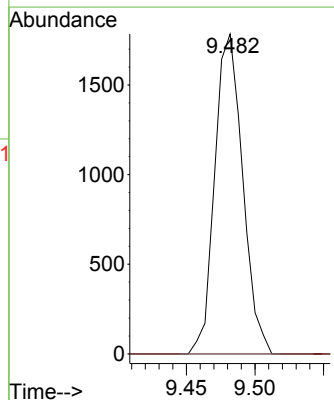
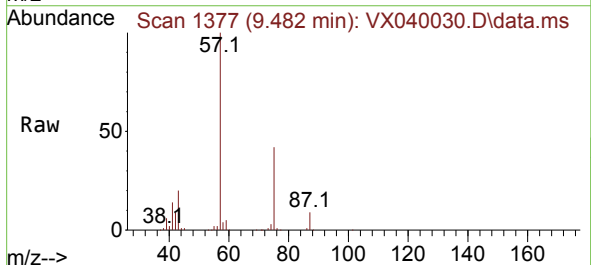
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#05

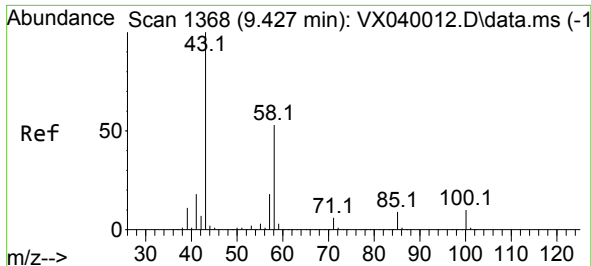
Tgt Ion: 69 Resp: 505
Ion Ratio Lower Upper
69 100
41 5750.5 56.8 85.2#
39 2560.2 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.533 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Tgt Ion: 76 Resp: 2524
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

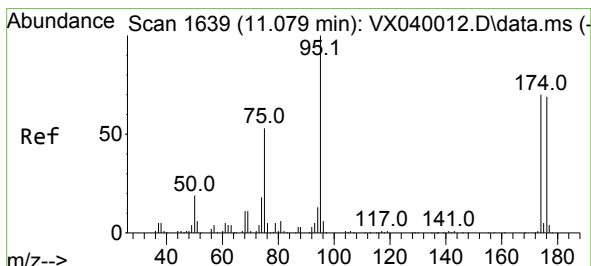
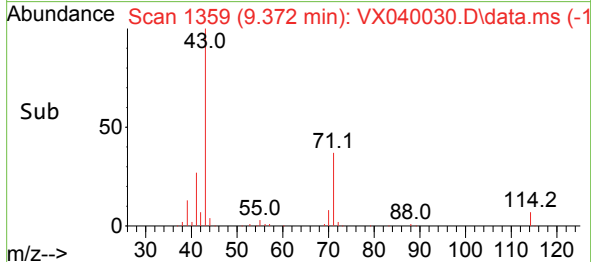
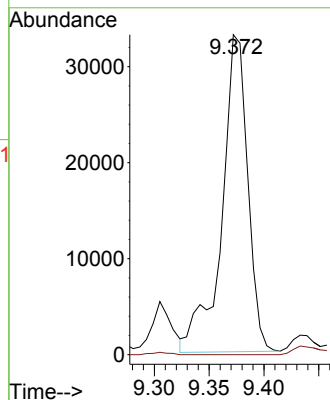
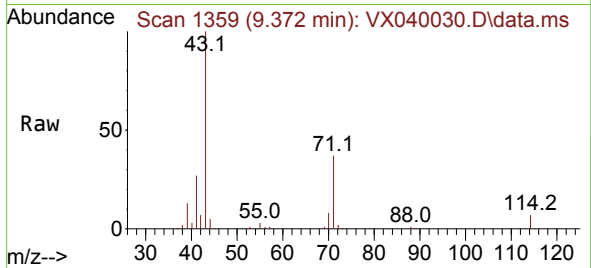




#59
2-Hexanone
Concen: 43.581 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

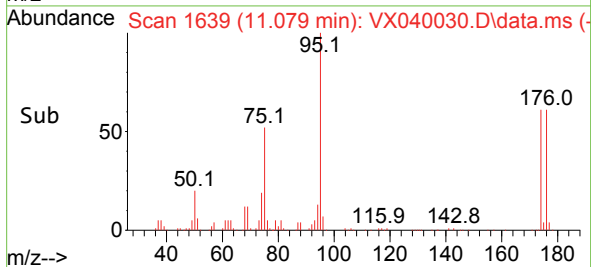
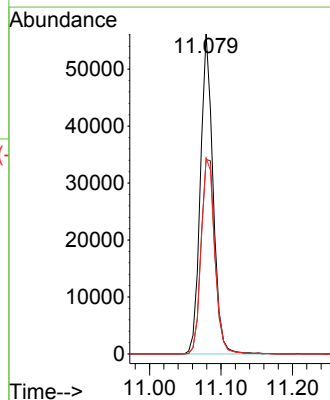
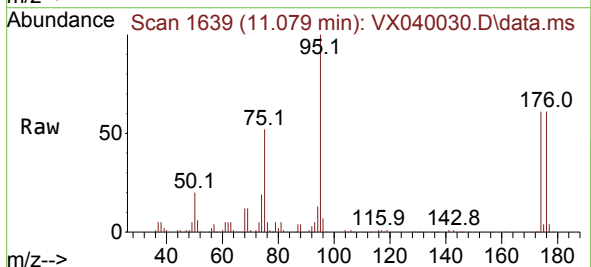
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#05

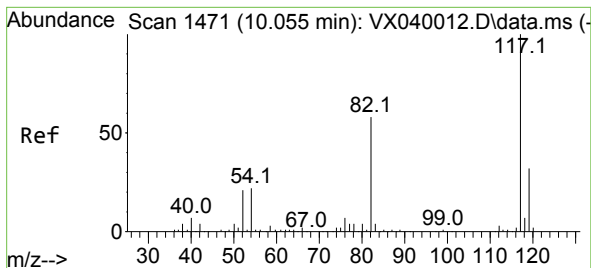
Tgt Ion: 43 Resp: 54348
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.065 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Tgt Ion: 95 Resp: 68966
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.6
176 65.6 0.0 131.0

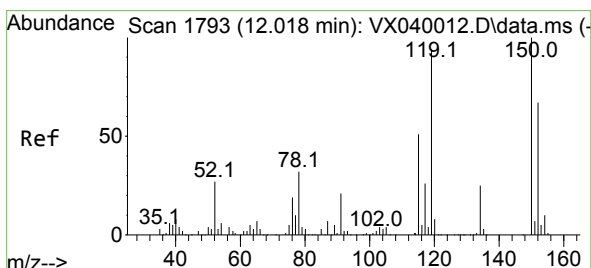
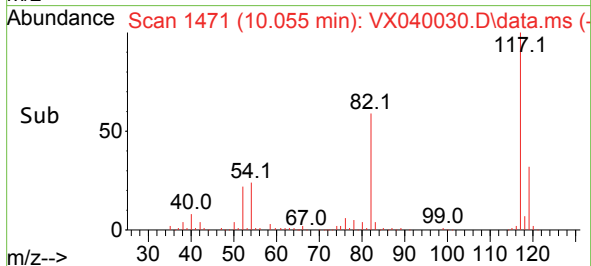
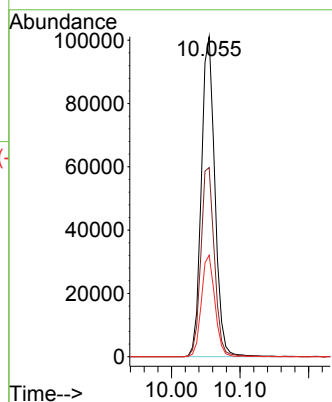
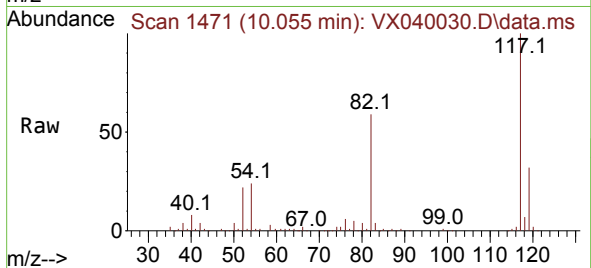




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

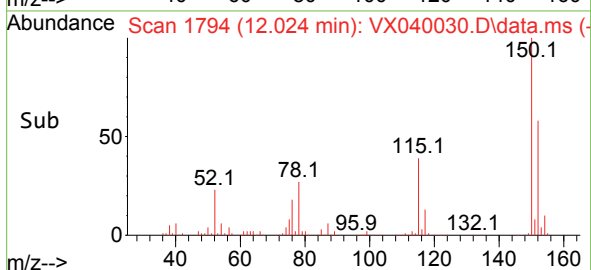
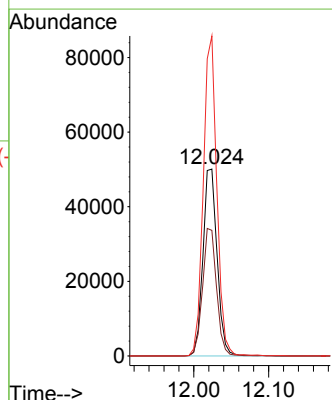
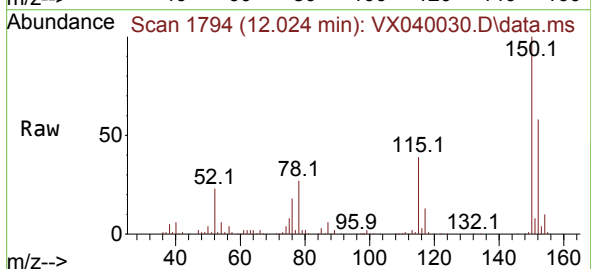
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#05

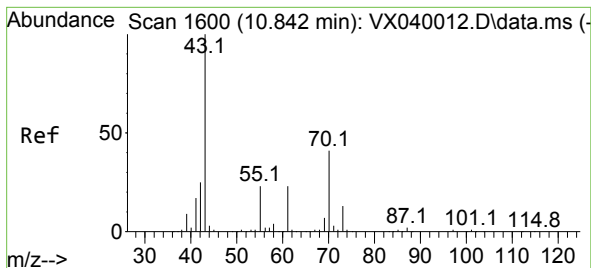
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.2	69.4
119	31.7	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040030.D
Acq: 30 Jan 2024 19:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.3	43.3	129.9
150	163.0	0.0	345.0





#74

N-amy1 acetate

Concen: 0.810 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.068 min

Lab File: VX040030.D

Acq: 30 Jan 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

PB158700ZHE#05

Tgt Ion: 43 Resp: 1315

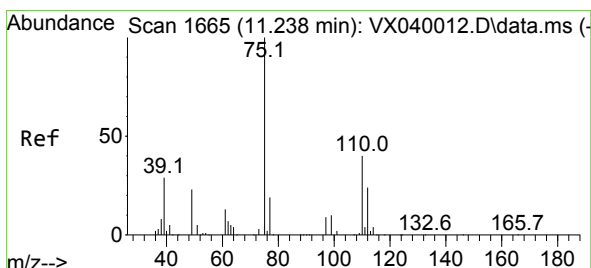
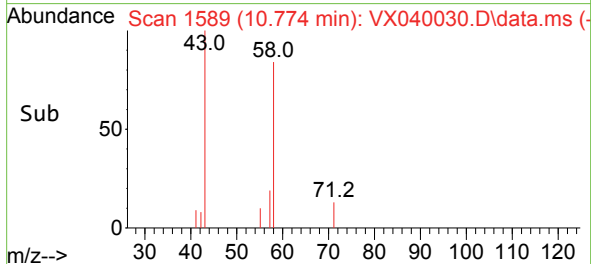
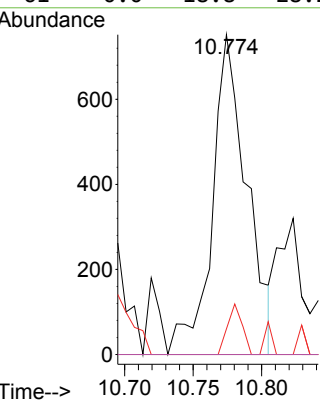
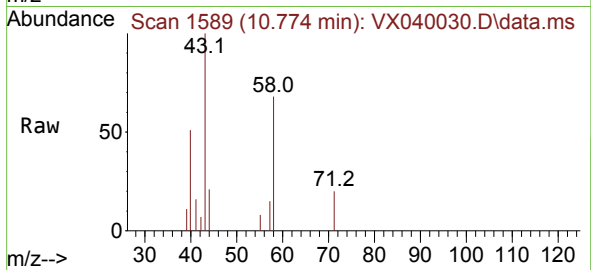
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 6.8 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.007 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040030.D

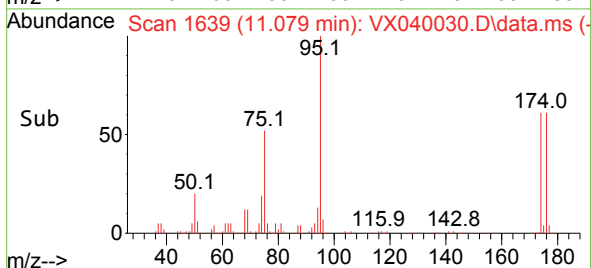
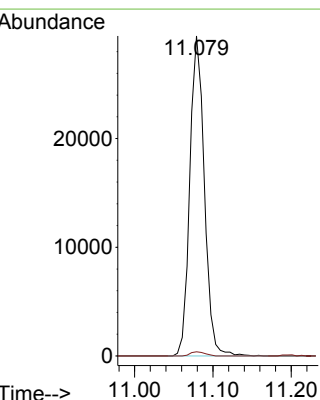
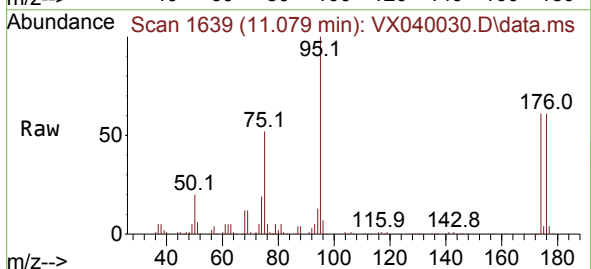
Acq: 30 Jan 2024 19:29

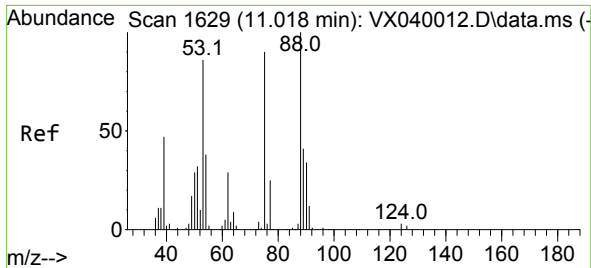
Tgt Ion: 75 Resp: 38002

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.846 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040030.D
 Acq: 30 Jan 2024 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#05

Tgt Ion: 75 Resp: 38002
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

