

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033023\
 Data File : VX034851.D
 Acq On : 30 Mar 2023 14:42
 Operator : JC/MD
 Sample : 02091-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-3

Quant Time: Mar 31 01:32:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 30 11:02:25 2023
 Response via : Initial Calibration

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

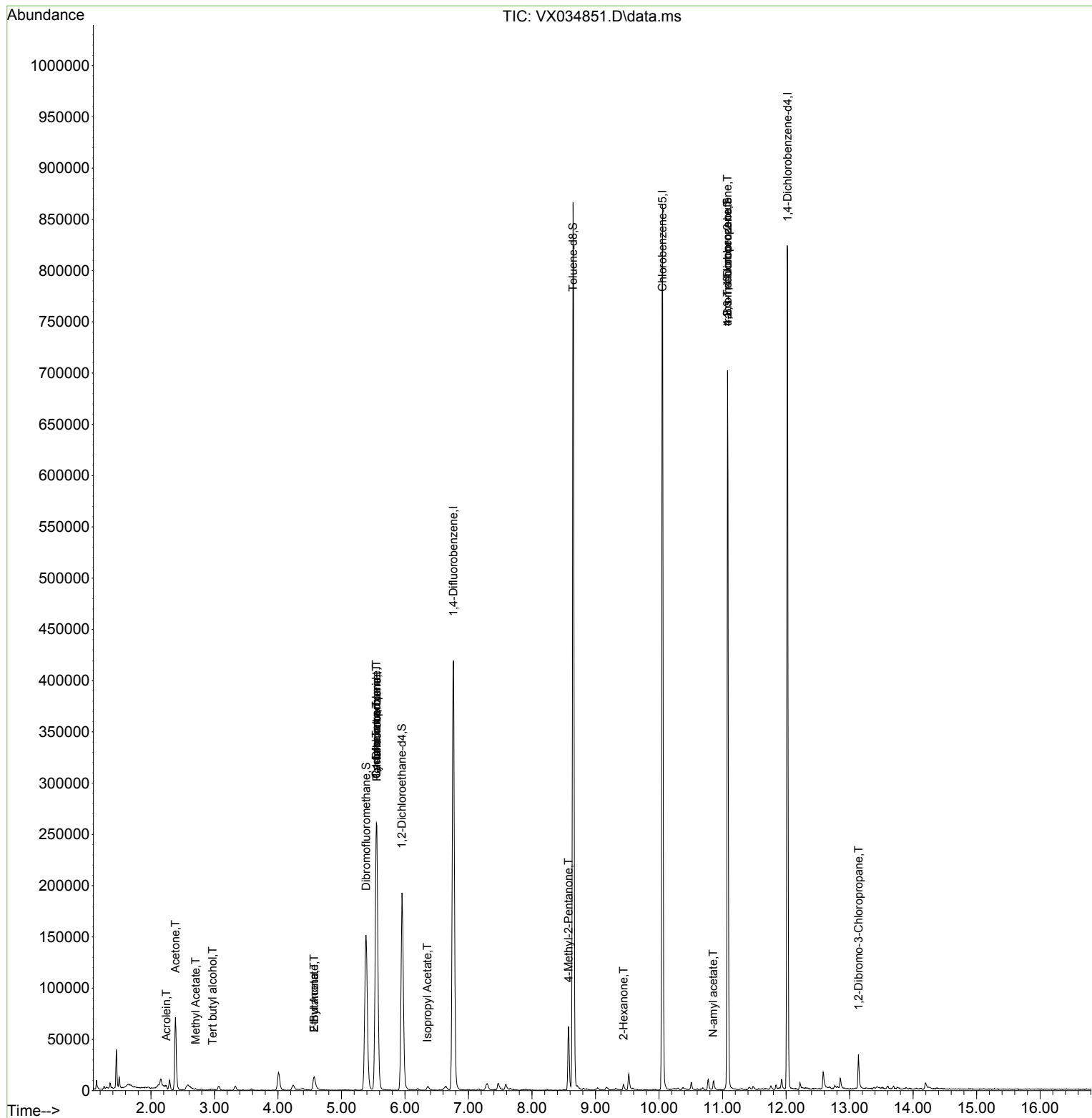
Internal Standards						
1) Pentafluorobenzene	5.556	168	241403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	415412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	365937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	159433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	176125	47.706	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.420%
35) Dibromofluoromethane	5.385	113	131388	47.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.640%
50) Toluene-d8	8.647	98	503839	49.680	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.360%
62) 4-Bromofluorobenzene	11.079	95	179413	45.716	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	1045	1.620	ug/l #	73
13) Acrolein	2.239	56	1970	2.954	ug/l #	75
16) Acetone	2.386	43	81950	54.852	ug/l	97
18) Methyl Acetate	2.703	43	1470	0.279	ug/l	91
25) 2-Butanone	4.568	43	25372	11.702	ug/l	92
31) Cyclohexane	5.550	56	5953	1.324	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20515	5.056	ug/l #	50
37) Ethyl Acetate	4.568	43	25372	5.951	ug/l #	70
38) Carbon Tetrachloride	5.550	117	25703	6.670	ug/l #	16
43) Isopropyl Acetate	6.354	43	1789	0.251	ug/l #	62
51) 4-Methyl-2-Pentanone	8.574	43	38124	9.102	ug/l	99
59) 2-Hexanone	9.439	43	3694	1.163	ug/l	91
74) N-amyl acetate	10.854	43	1816	0.343	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	96269	29.488	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	96269	78.886	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	13.140	75	49	2.127	ug/l #	5

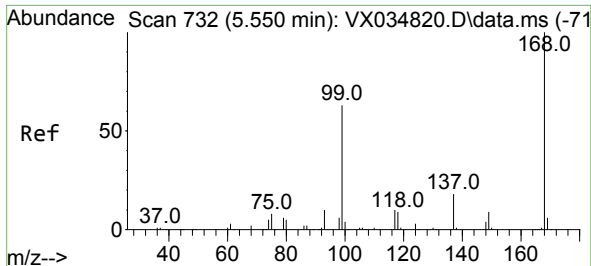
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 31 01:32:28 2023
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Quant Title : SW846 8260
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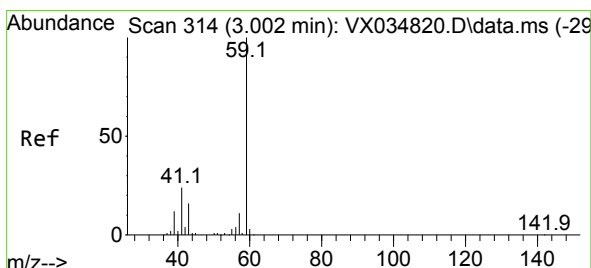
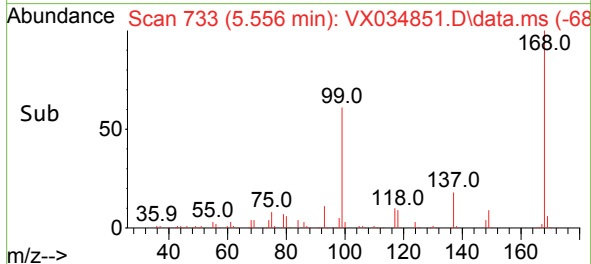
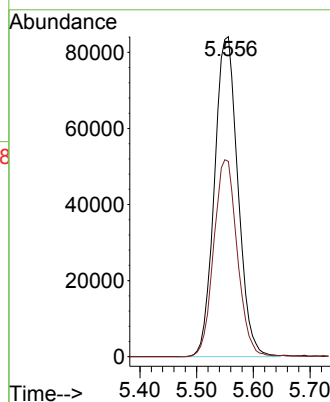
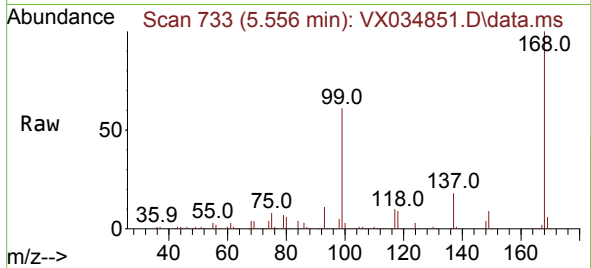




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

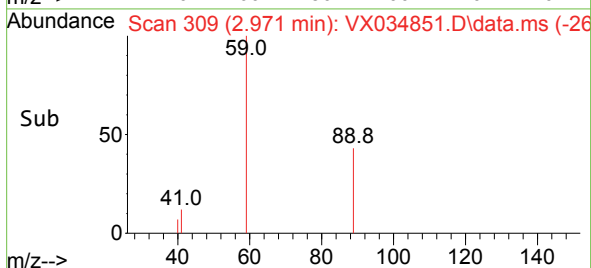
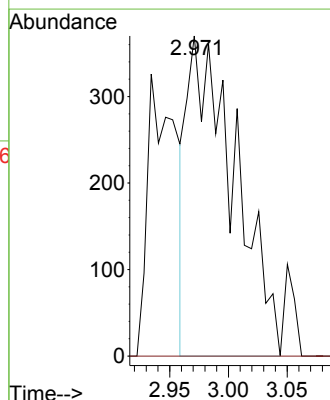
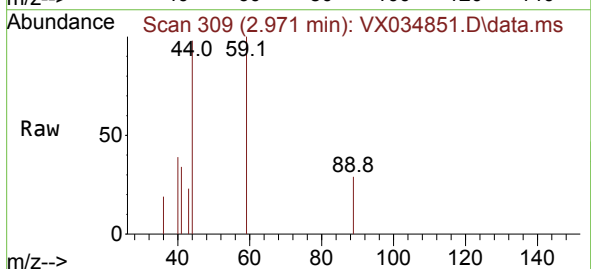
Instrument :
MSVOA_X
ClientSampleId :
OF-3

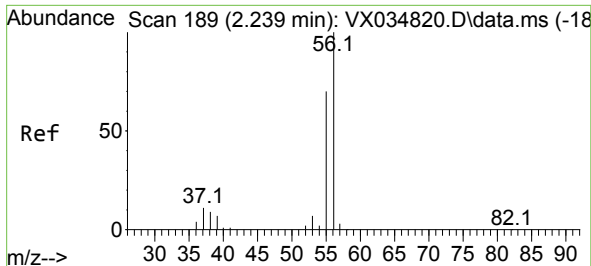
Tgt Ion:168 Resp: 241403
Ion Ratio Lower Upper
168 100
99 61.0 45.7 68.5



#11
Tert butyl alcohol
Concen: 1.620 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.031 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Tgt Ion: 59 Resp: 1045
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 2.954 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX034851.D

Acq: 30 Mar 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

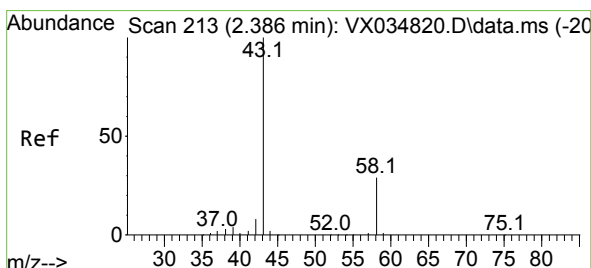
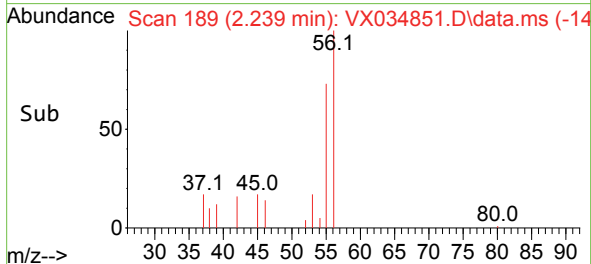
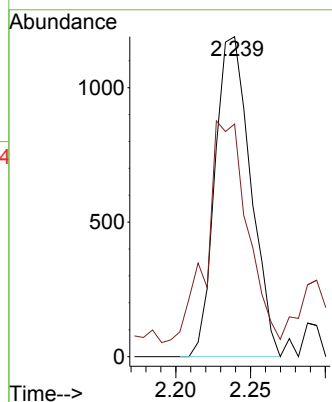
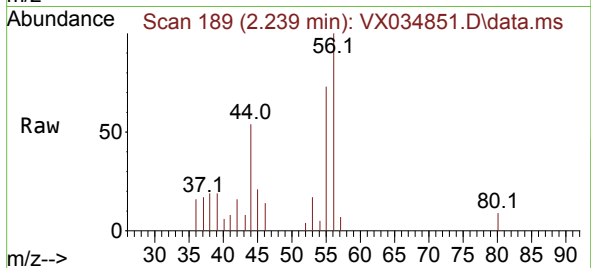
OF-3

Tgt Ion: 56 Resp: 1970

Ion Ratio Lower Upper

56 100

55 91.1 56.6 85.0#



#16

Acetone

Concen: 54.852 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX034851.D

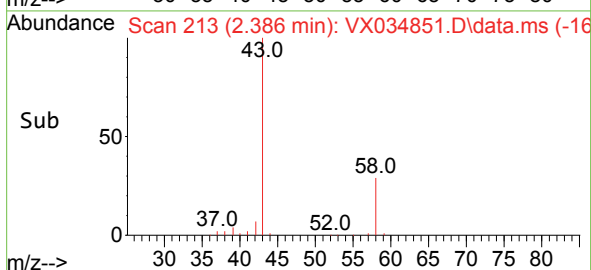
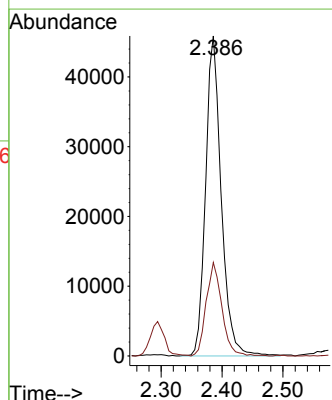
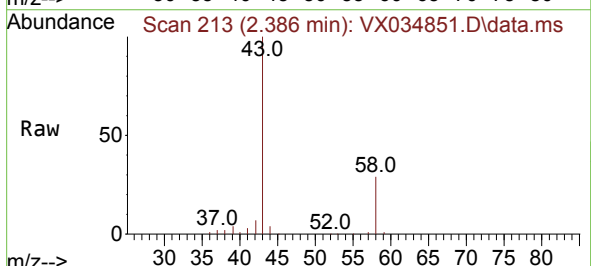
Acq: 30 Mar 2023 14:42

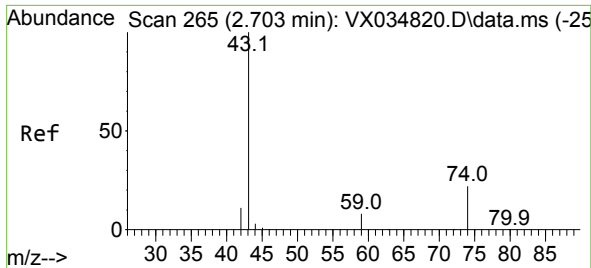
Tgt Ion: 43 Resp: 81950

Ion Ratio Lower Upper

43 100

58 29.1 24.7 37.1





#18

Methyl Acetate

Concen: 0.279 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX034851.D

Acq: 30 Mar 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

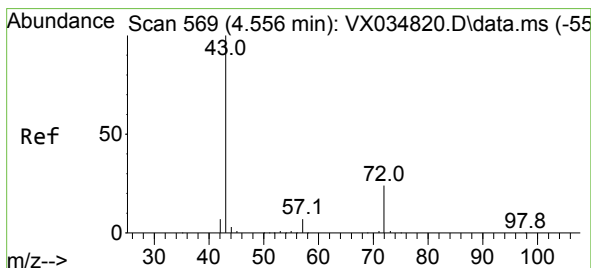
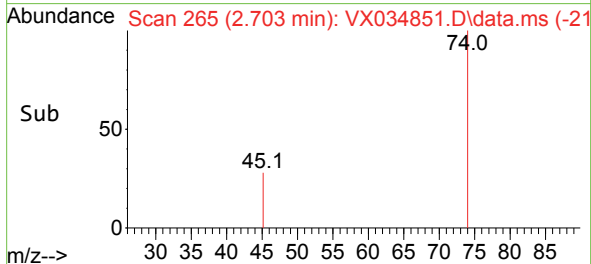
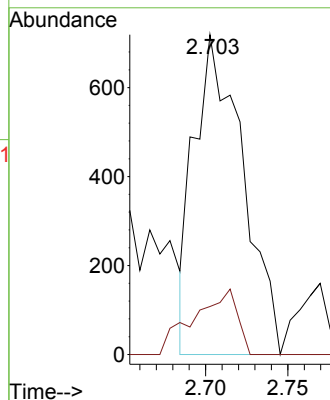
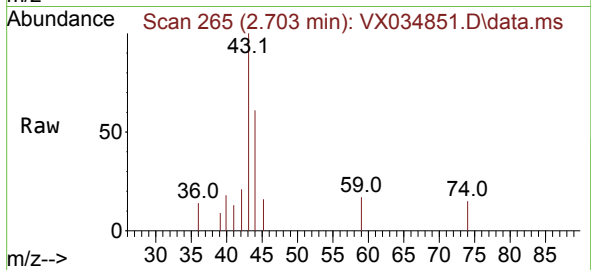
OF-3

Tgt Ion: 43 Resp: 1470

Ion Ratio Lower Upper

43 100

74 18.4 18.3 27.5



#25

2-Butanone

Concen: 11.702 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX034851.D

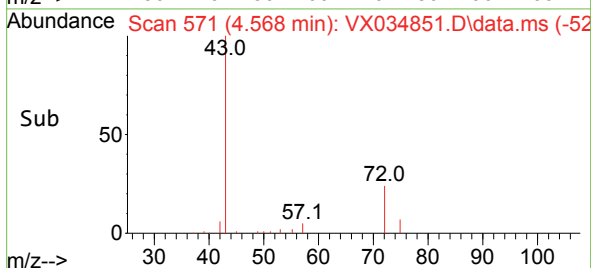
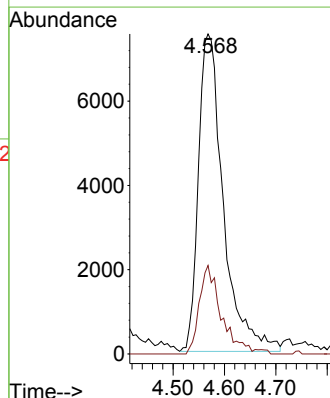
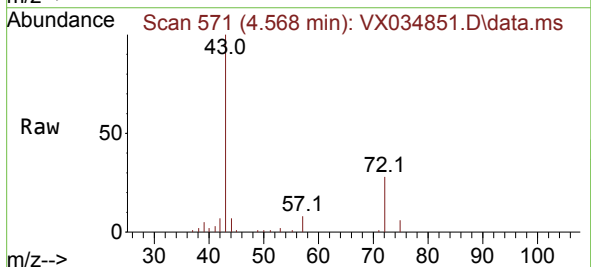
Acq: 30 Mar 2023 14:42

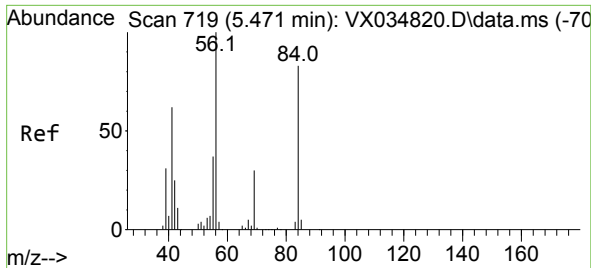
Tgt Ion: 43 Resp: 25372

Ion Ratio Lower Upper

43 100

72 27.8 19.3 28.9

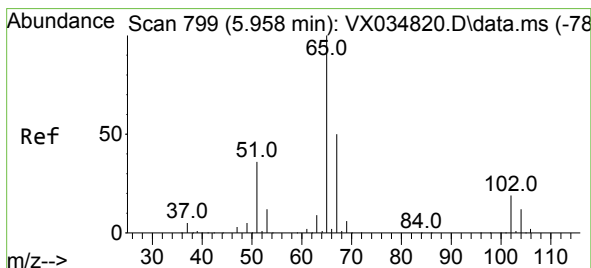
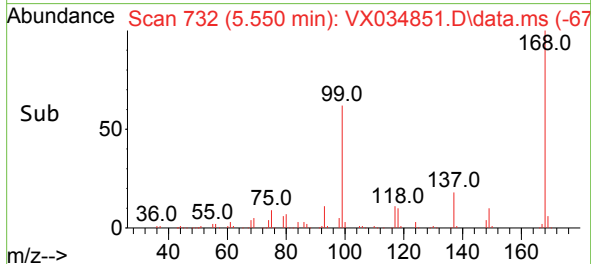
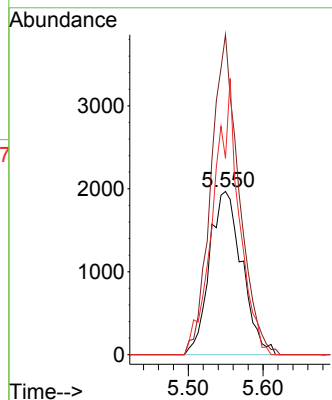
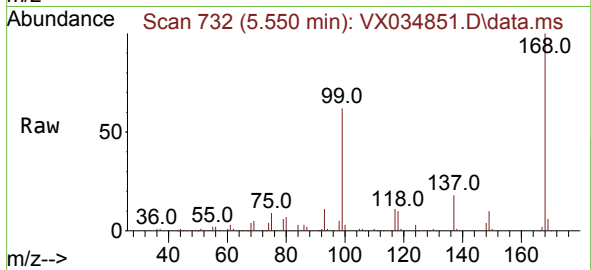




#31
Cyclohexane
Concen: 1.324 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

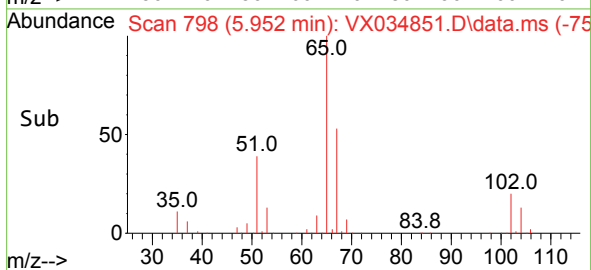
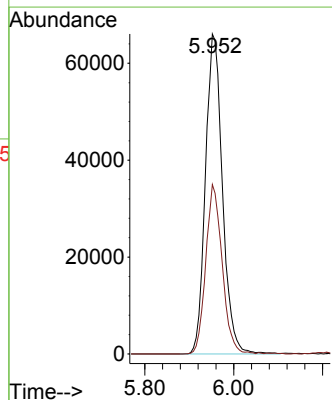
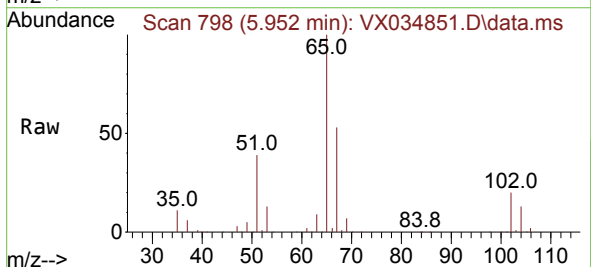
Instrument :
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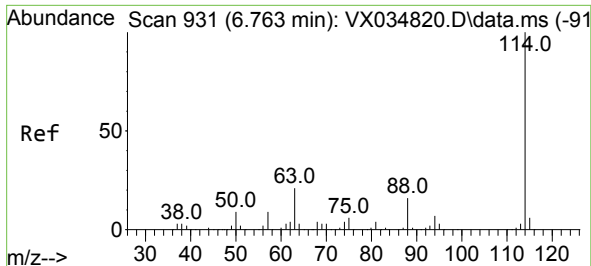
Tgt Ion: 56 Resp: 5953
Ion Ratio Lower Upper
56 100
69 196.1 23.7 35.5#
84 120.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.706 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Tgt Ion: 65 Resp: 176125
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.0

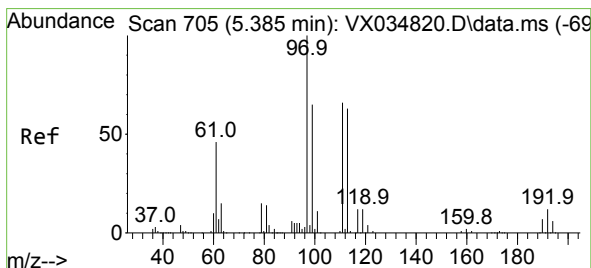
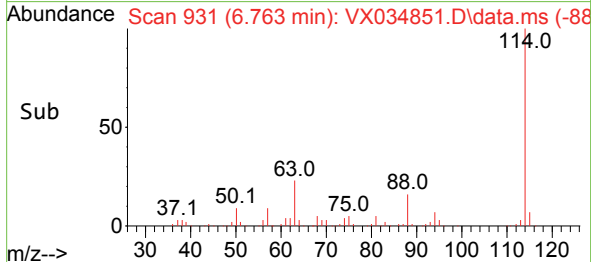
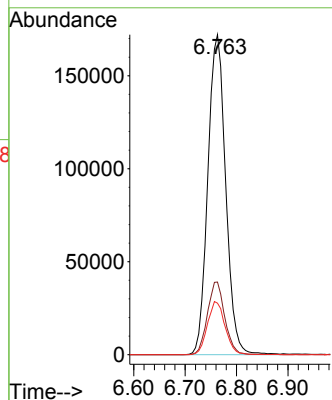
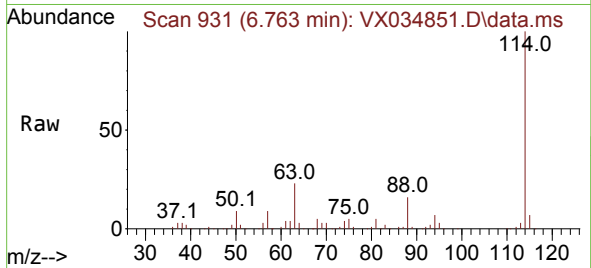




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

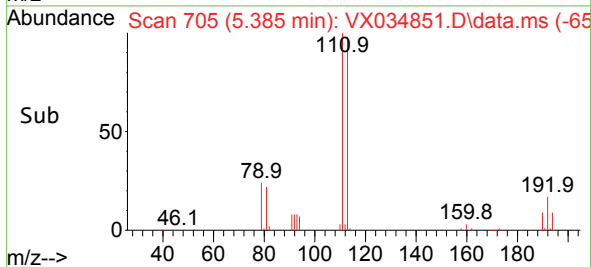
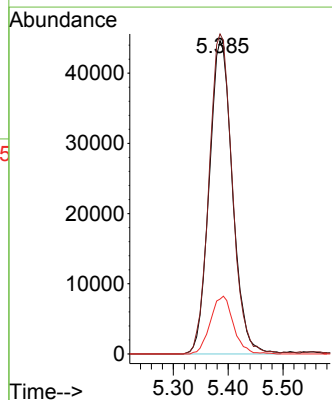
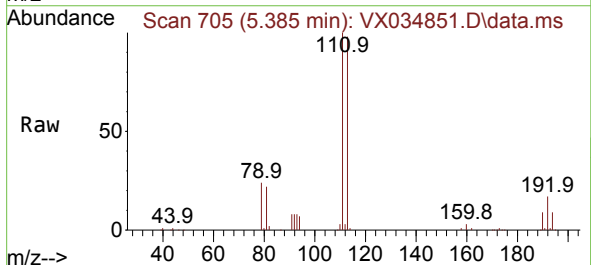
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ClientSampleId :
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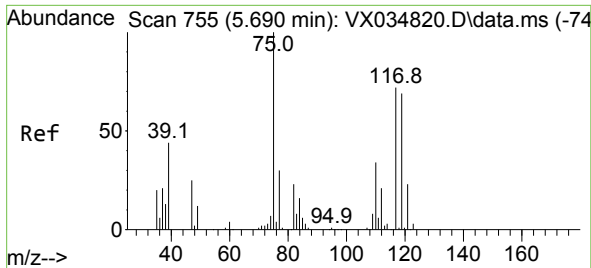
Tgt Ion:114 Resp: 415412
Ion Ratio Lower Upper
114 100
63 22.7 0.0 42.2
88 16.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.819 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Tgt Ion:113 Resp: 131388
Ion Ratio Lower Upper
113 100
111 102.0 83.7 125.5
192 18.3 15.4 23.2

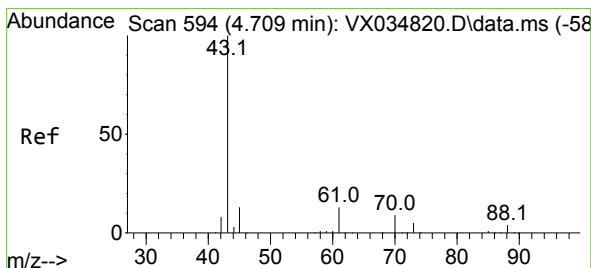
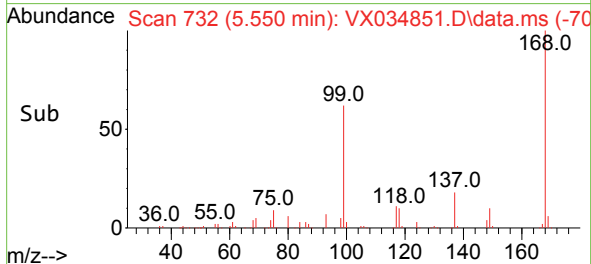
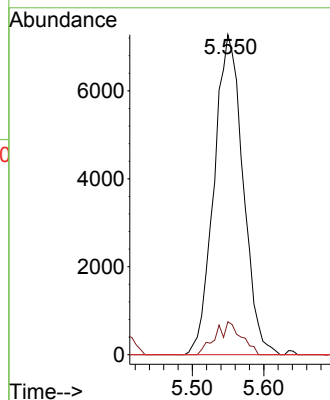
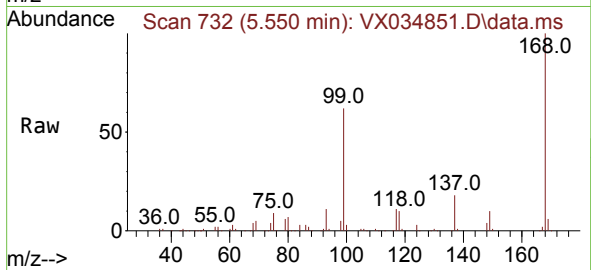




#36
1,1-Dichloropropene
Concen: 5.056 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

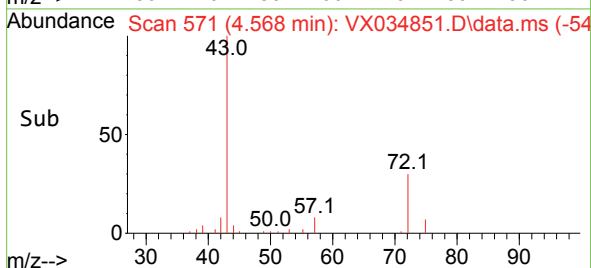
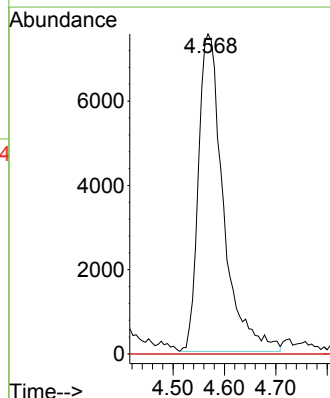
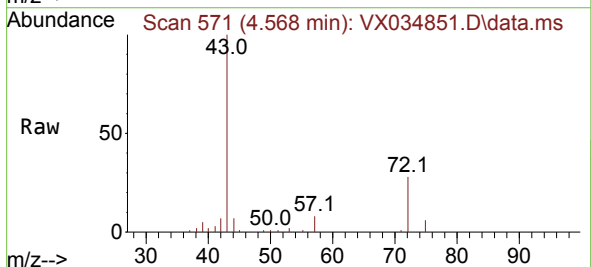
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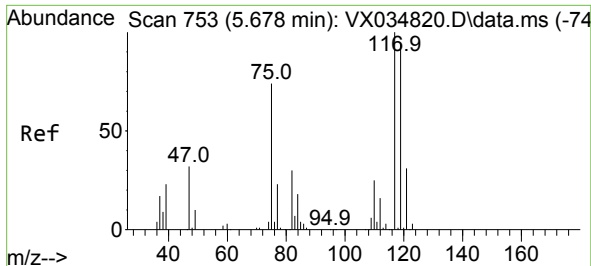
Tgt Ion: 75 Resp: 20515
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 5.951 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.140 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

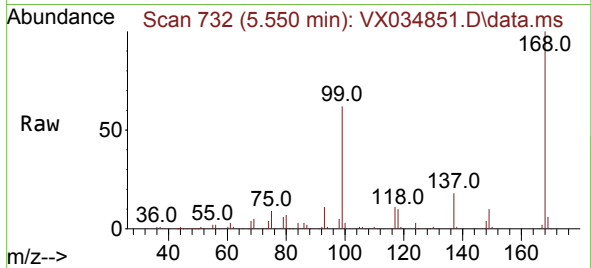
Tgt Ion: 43 Resp: 25372
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



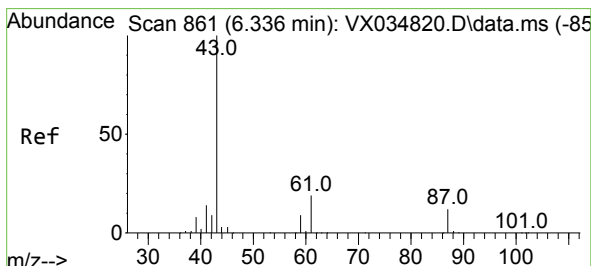
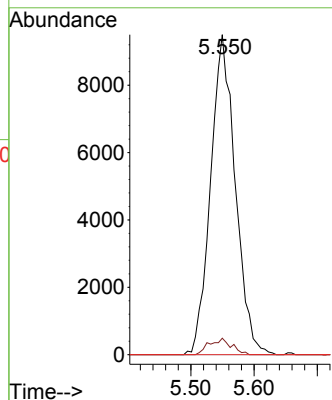
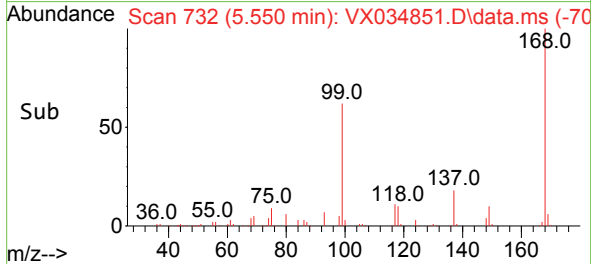


#38
Carbon Tetrachloride
Concen: 6.670 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Instrument :
MSVOA_X
ClientSampleId :
OF-3

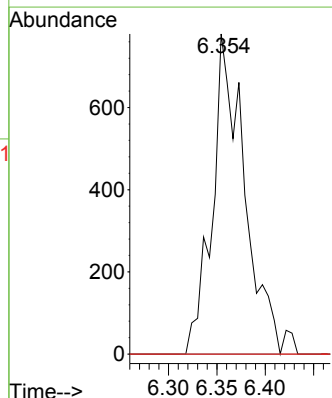
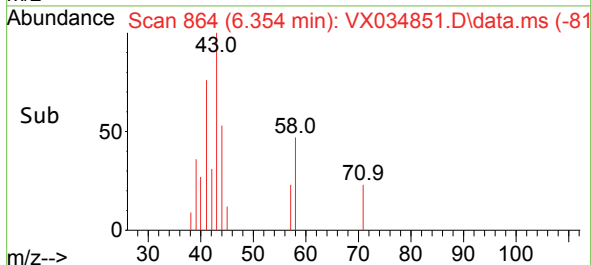
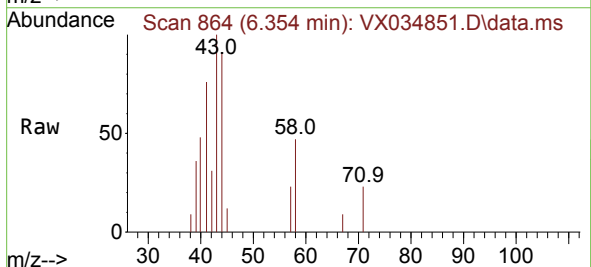


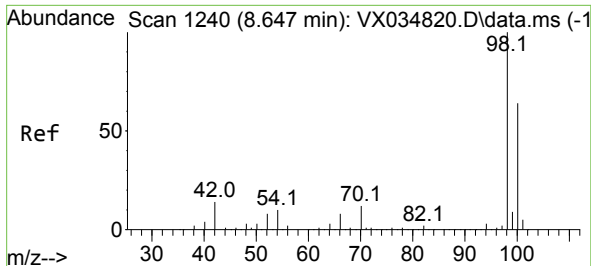
Tgt Ion:117 Resp: 25703
Ion Ratio Lower Upper
117 100
119 5.1 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 0.251 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.8#

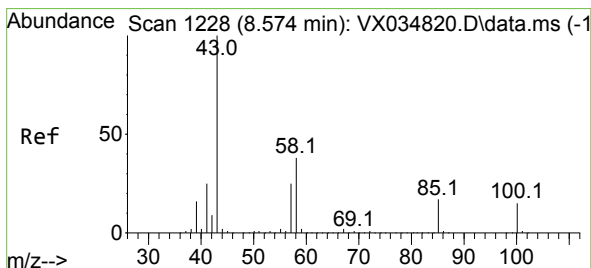
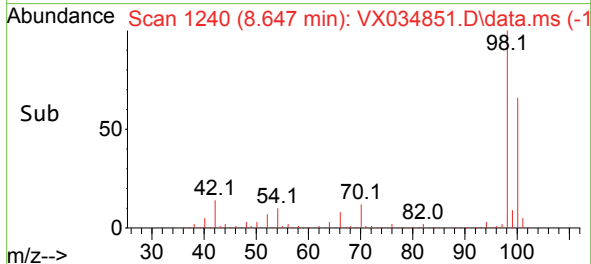
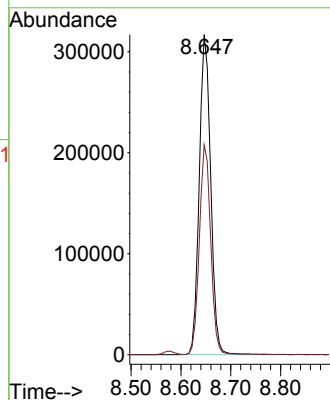
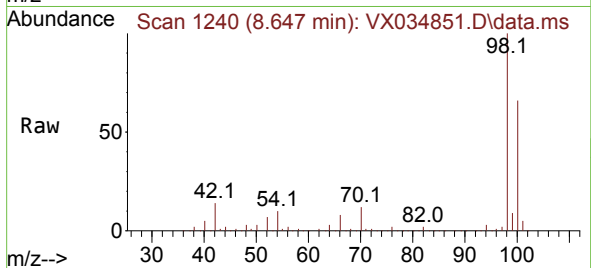




#50
Toluene-d8
Concen: 49.680 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

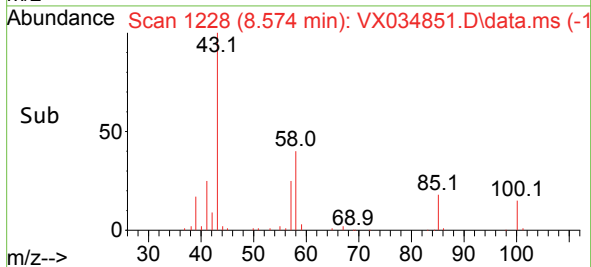
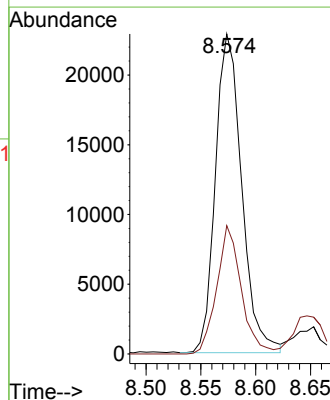
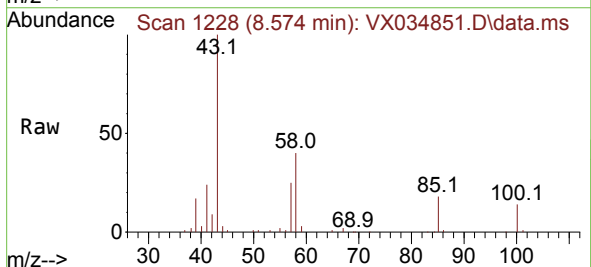
Instrument :
MSVOA_X
ClientSampleId :
OF-3

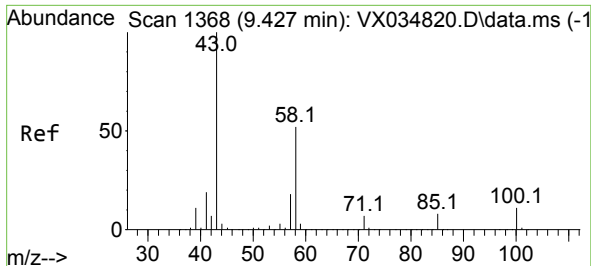
Tgt Ion: 98 Resp: 503839
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 9.102 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Tgt Ion: 43 Resp: 38124
Ion Ratio Lower Upper
43 100
58 37.5 30.6 46.0





#59

2-Hexanone

Concen: 1.163 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX034851.D

Acq: 30 Mar 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

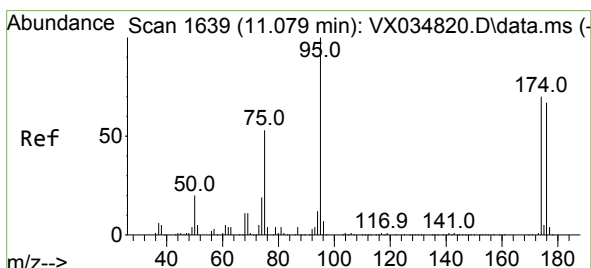
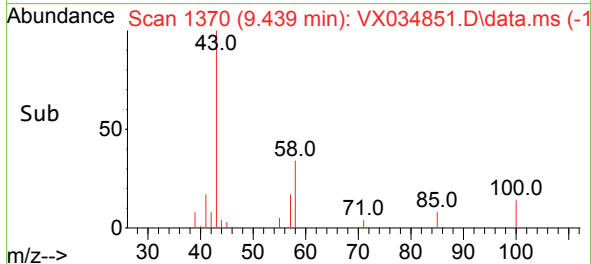
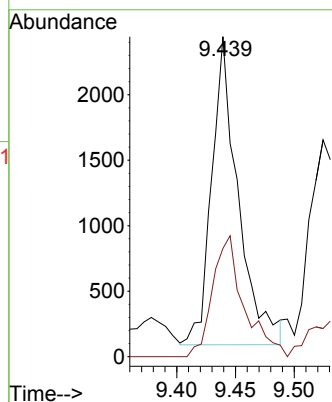
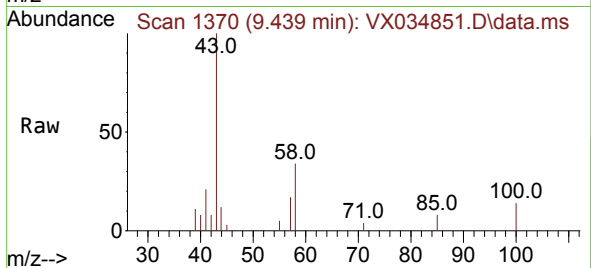
OF-3

Tgt Ion: 43 Resp: 3694

Ion Ratio Lower Upper

43 100

58 46.2 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 45.716 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034851.D

Acq: 30 Mar 2023 14:42

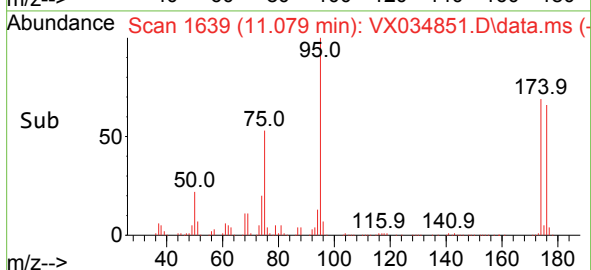
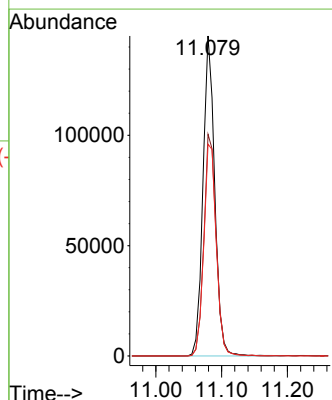
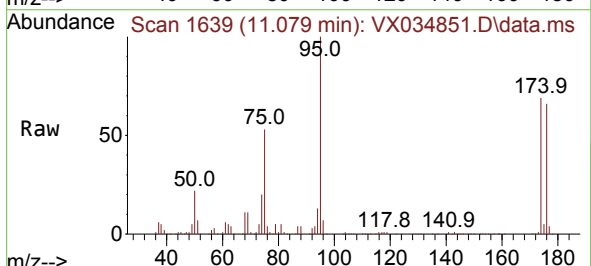
Tgt Ion: 95 Resp: 179413

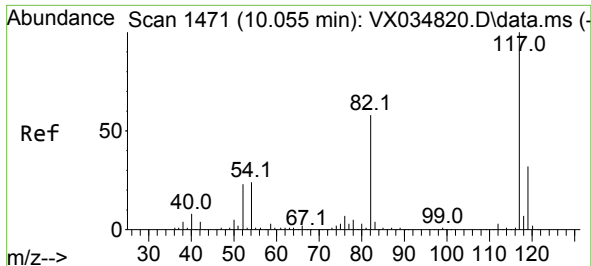
Ion Ratio Lower Upper

95 100

174 72.5 0.0 147.4

176 70.6 0.0 140.6

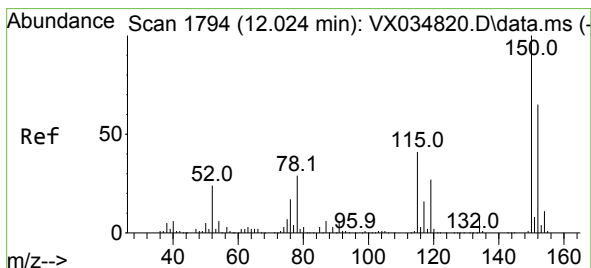
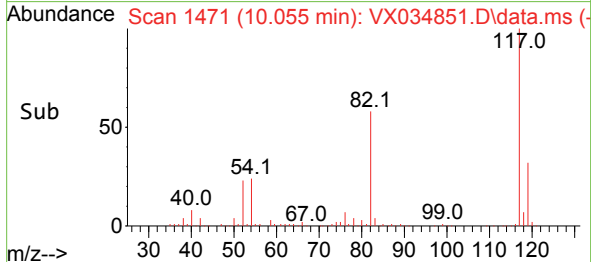
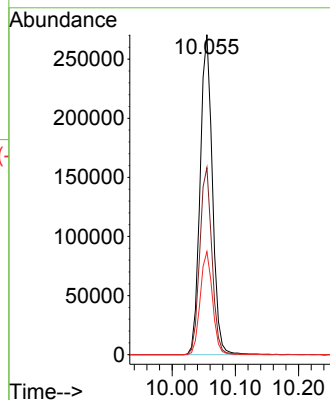
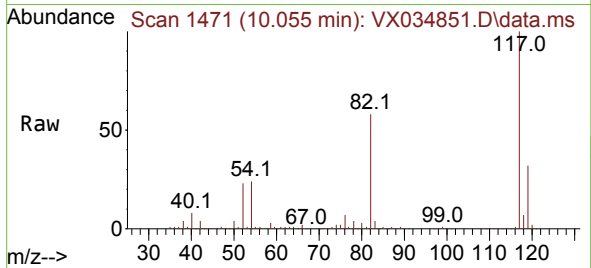




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

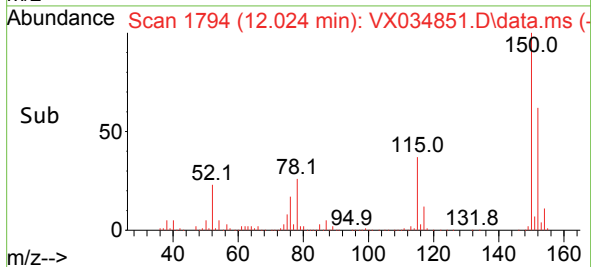
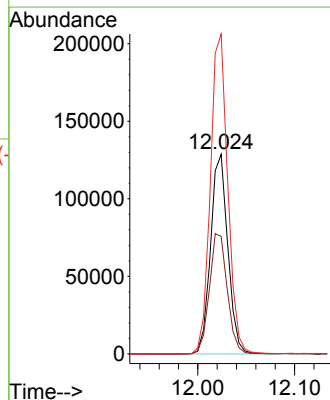
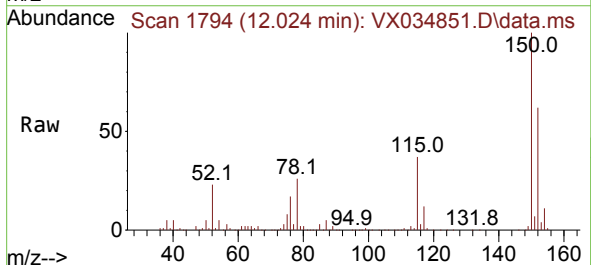
Instrument :
MSVOA_X
ClientSampleId :
OF-3

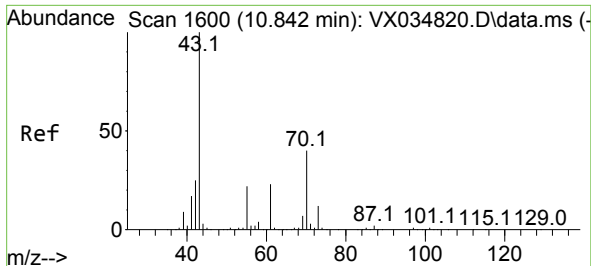
Tgt Ion:117 Resp: 365937
Ion Ratio Lower Upper
117 100
82 58.5 45.0 67.4
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Tgt Ion:152 Resp: 159433
Ion Ratio Lower Upper
152 100
115 62.5 45.0 135.0
150 161.0 0.0 352.4

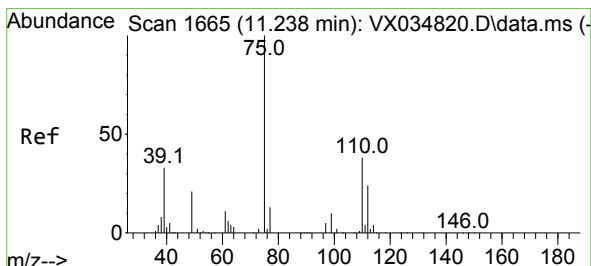
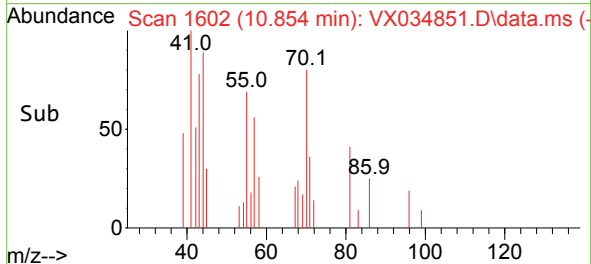
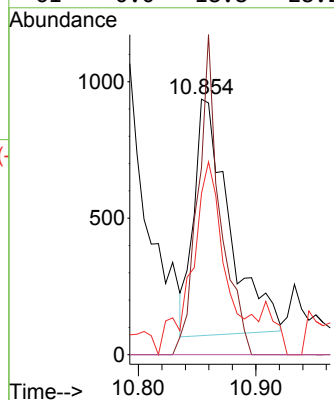
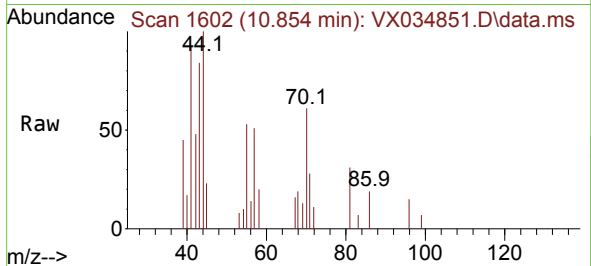




#74
N-amy1 acetate
Concen: 0.343 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

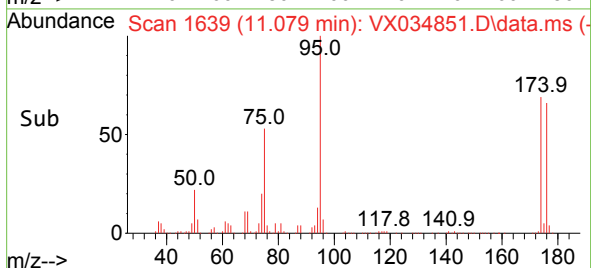
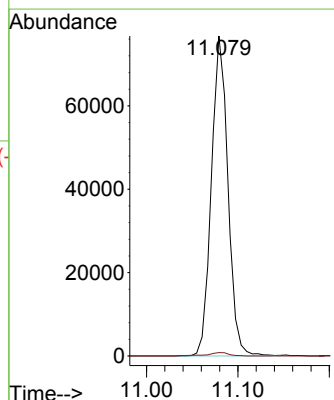
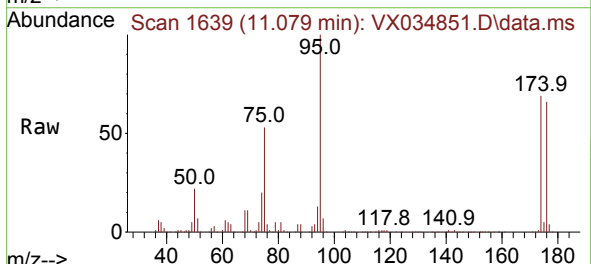
Instrument :
MSVOA_X
ClientSampleId :
OF-3

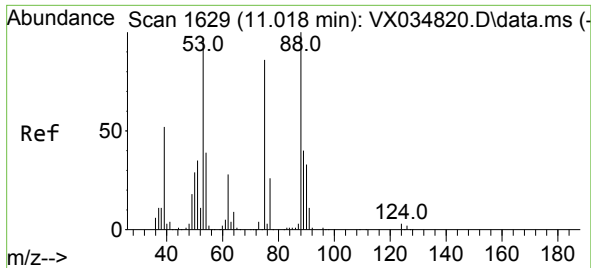
Tgt Ion: 43	Resp: 1816
Ion Ratio	Lower Upper
43 100	
70 84.9	32.1 48.1#
55 74.0	18.3 27.5#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 29.488 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Tgt Ion: 75	Resp: 96269
Ion Ratio	Lower Upper
75 100	
77 1.4	21.6 64.8#

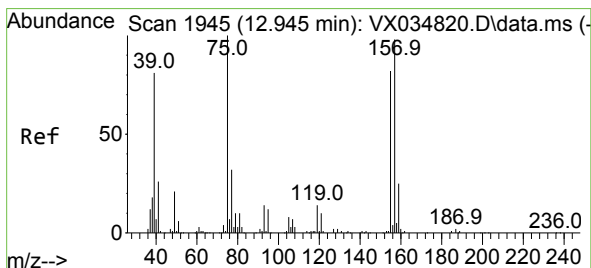
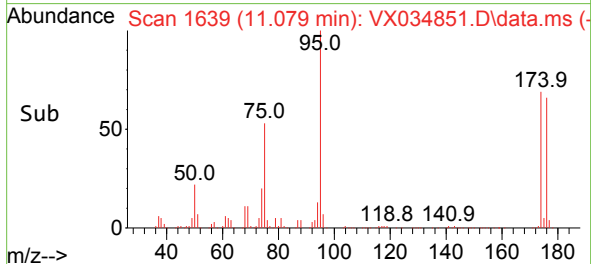
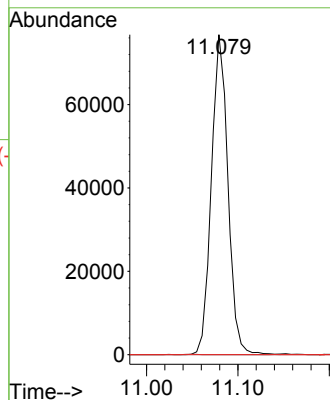
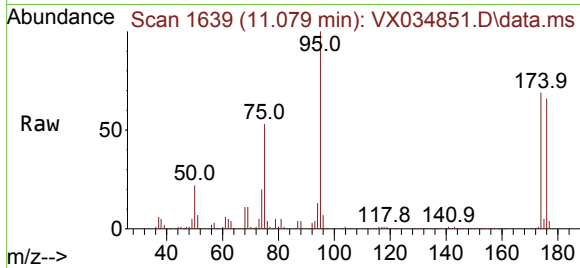




#81
trans-1,4-Dichloro-2-butene
Concen: 78.886 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Instrument :
MSVOA_X
ClientSampleId :
OF-3

Tgt Ion: 75 Resp: 96269
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.127 ug/l
RT: 13.140 min Scan# 1977
Delta R.T. 0.195 min
Lab File: VX034851.D
Acq: 30 Mar 2023 14:42

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
155 0.0 38.4 115.1#
157 0.0 49.9 149.7#

