

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033023\
 Data File : VX034850.D
 Acq On : 30 Mar 2023 14:19
 Operator : JC/MD
 Sample : 02091-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

Quant Time: Mar 31 01:32:09 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)

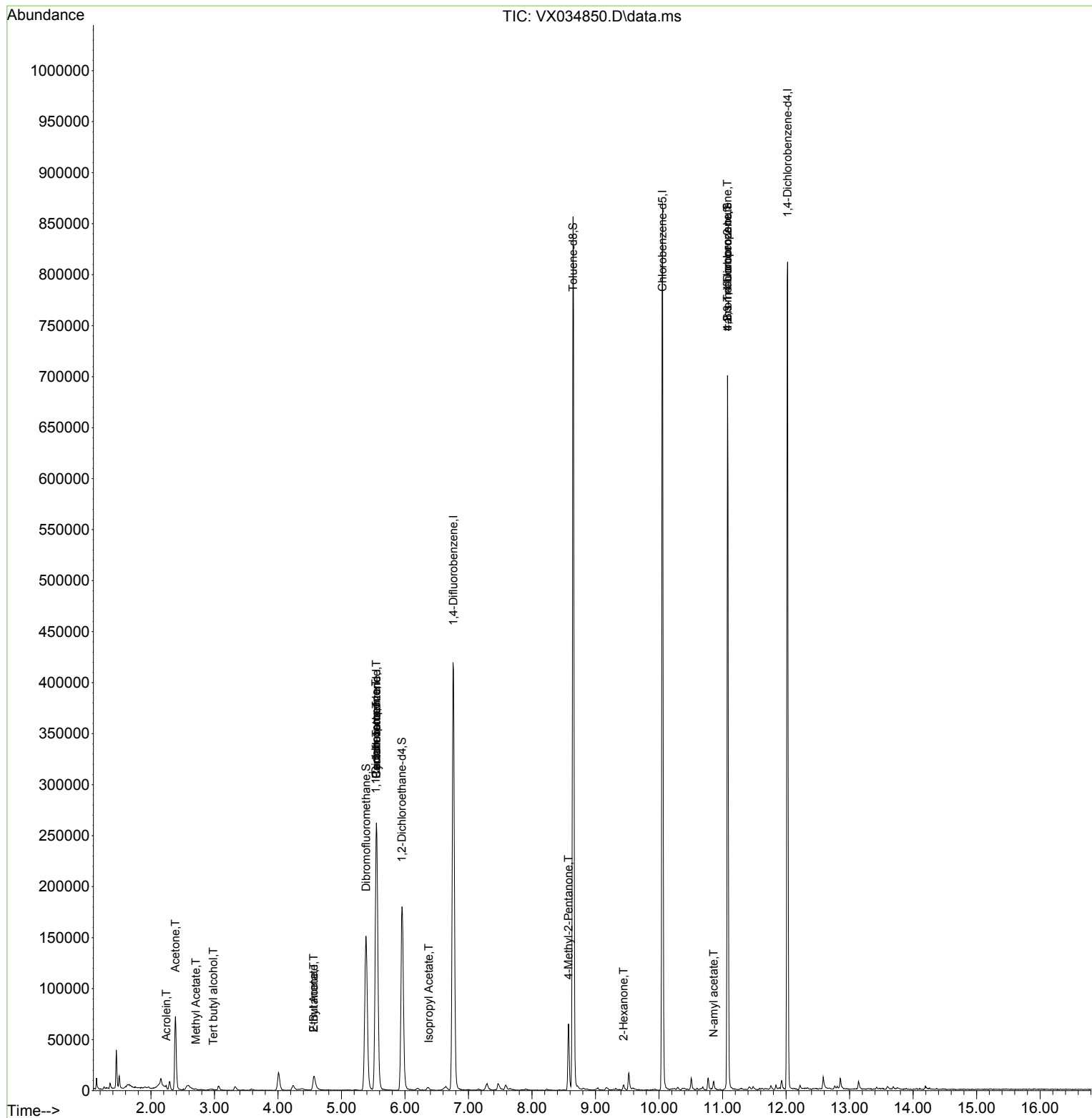
Internal Standards						
1) Pentafluorobenzene	5.550	168	241873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	414393	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	368100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	175833	47.534	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.060%
35) Dibromofluoromethane	5.385	113	129327	47.184	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.360%
50) Toluene-d8	8.647	98	499706	49.394	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.780%
62) 4-Bromofluorobenzene	11.079	95	178032	45.475	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	723	1.119	ug/l #	73
13) Acrolein	2.239	56	1888	2.826	ug/l	85
16) Acetone	2.386	43	83907	56.052	ug/l	97
18) Methyl Acetate	2.709	43	1855	0.351	ug/l #	82
25) 2-Butanone	4.562	43	24524	11.289	ug/l	97
31) Cyclohexane	5.550	56	6362	1.412	ug/l #	54
36) 1,1-Dichloropropene	5.544	75	20697	5.114	ug/l #	51
37) Ethyl Acetate	4.562	43	24524	5.767	ug/l #	70
38) Carbon Tetrachloride	5.550	117	25075	6.523	ug/l #	15
43) Isopropyl Acetate	6.373	43	1457	0.205	ug/l #	62
51) 4-Methyl-2-Pentanone	8.574	43	40035	9.582	ug/l	98
59) 2-Hexanone	9.439	43	3681	1.162	ug/l	92
74) N-amyl acetate	10.860	43	1845	0.339	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	97395	28.990	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	97395	77.637	ug/l #	8
94) Hexachlorobutadiene	13.719	225	115	Below Cal	#	18

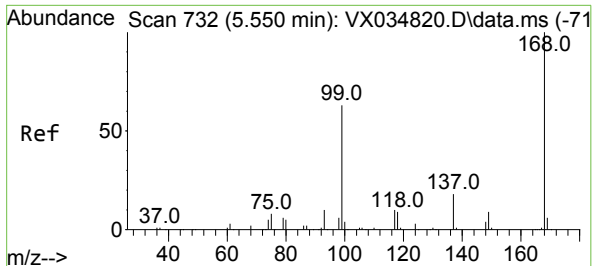
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 31 01:32:09 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

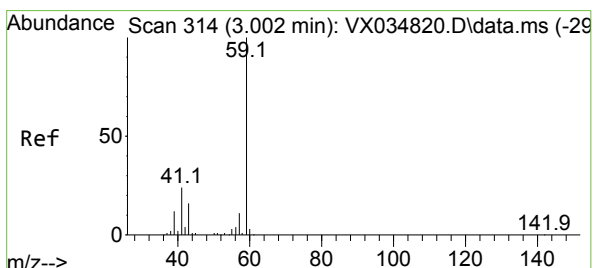
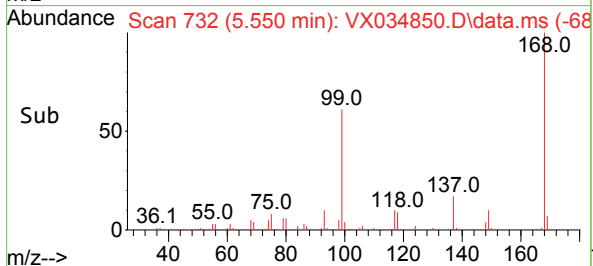
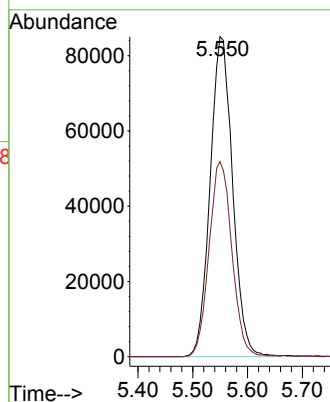
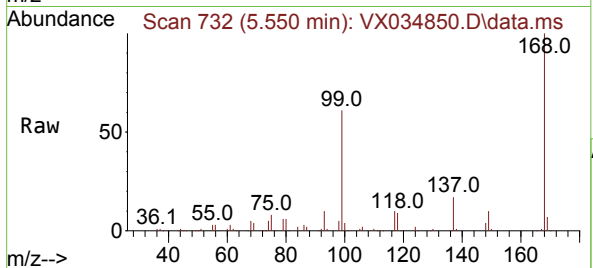




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

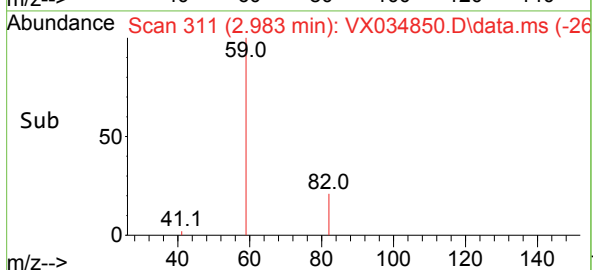
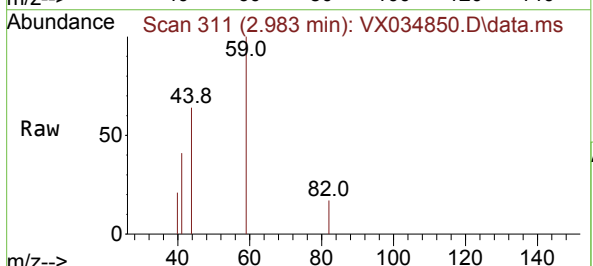
Instrument :
MSVOA_X
ClientSampleId :
OF-2

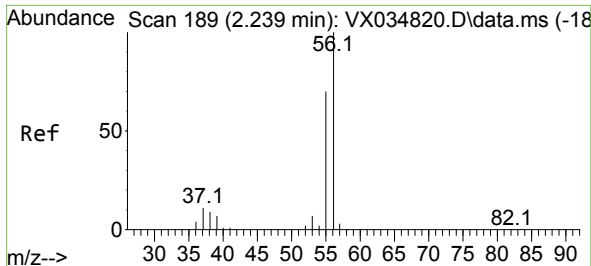
Tgt Ion:168 Resp: 241873
Ion Ratio Lower Upper
168 100
99 61.0 45.7 68.5



#11
Tert butyl alcohol
Concen: 1.119 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.018 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion: 59 Resp: 723
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 2.826 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034850.D

Acq: 30 Mar 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

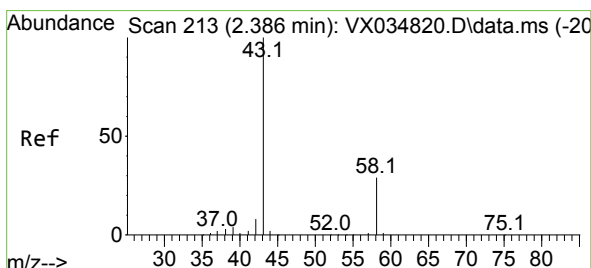
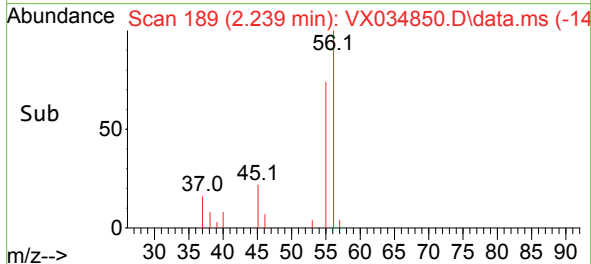
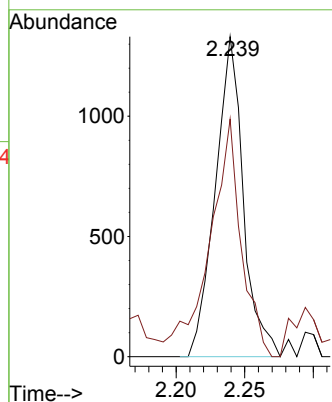
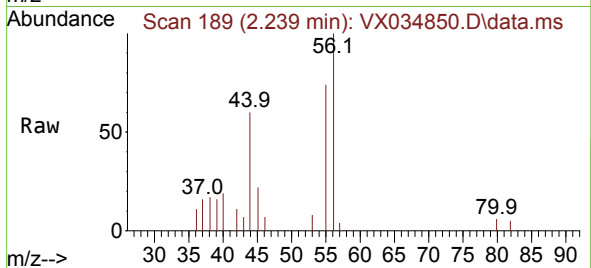
OF-2

Tgt Ion: 56 Resp: 1888

Ion Ratio Lower Upper

56 100

55 83.6 56.6 85.0



#16

Acetone

Concen: 56.052 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX034850.D

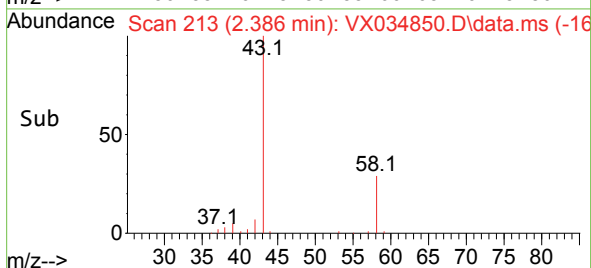
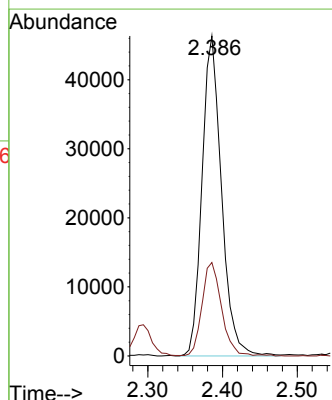
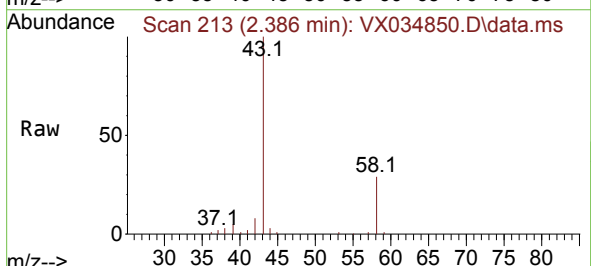
Acq: 30 Mar 2023 14:19

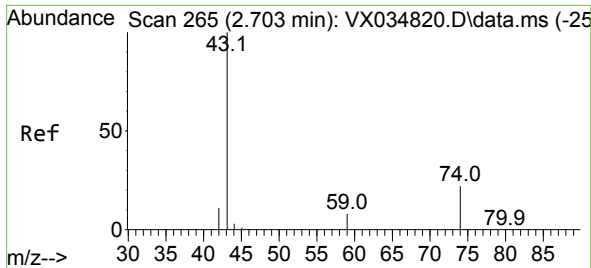
Tgt Ion: 43 Resp: 83907

Ion Ratio Lower Upper

43 100

58 29.1 24.7 37.1

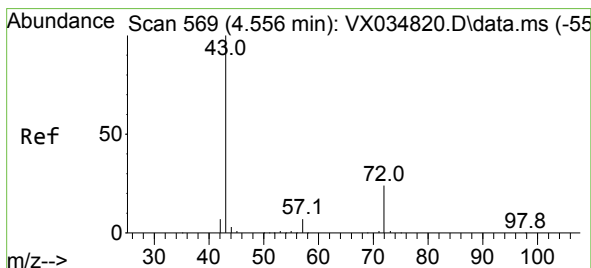
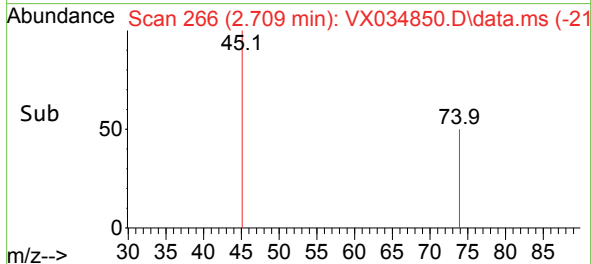
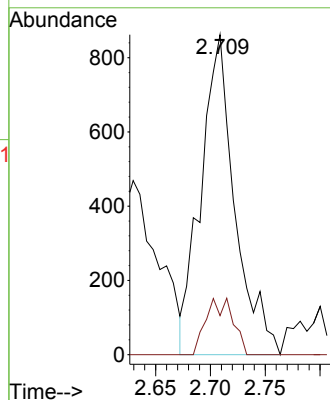
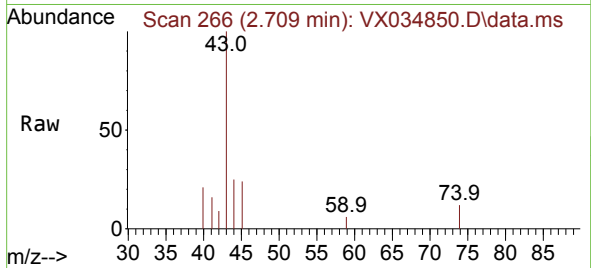




#18
Methyl Acetate
Concen: 0.351 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

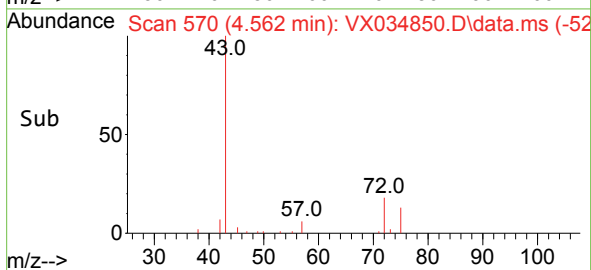
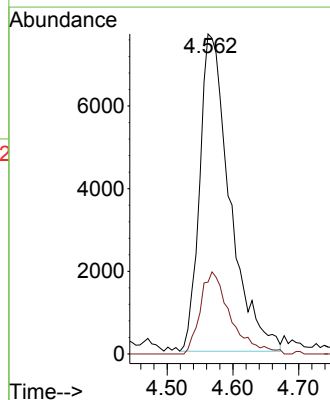
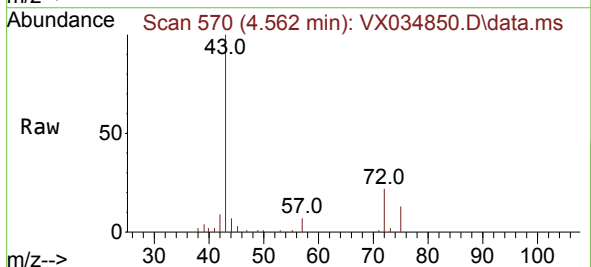
Instrument :
MSVOA_X
ClientSampleId :
OF-2

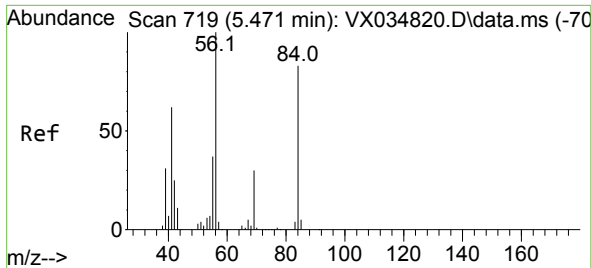
Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
74 14.0 18.3 27.5#



#25
2-Butanone
Concen: 11.289 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion: 43 Resp: 24524
Ion Ratio Lower Upper
43 100
72 22.7 19.3 28.9

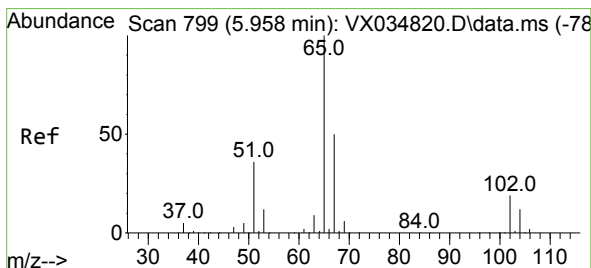
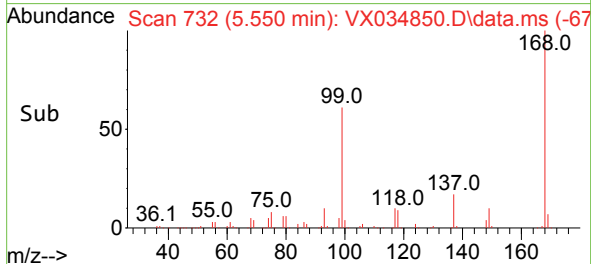
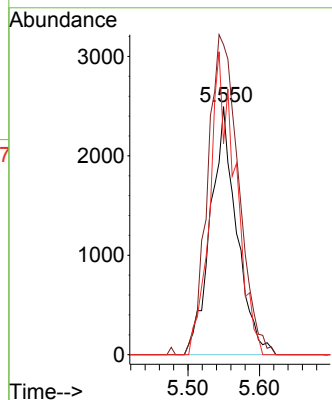
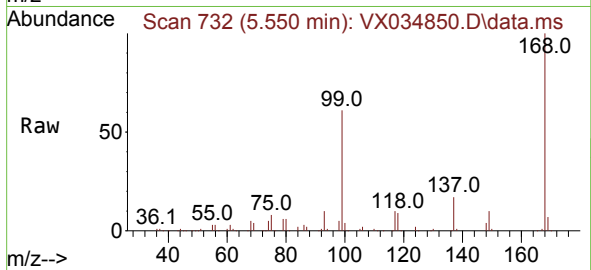




#31
Cyclohexane
Concen: 1.412 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

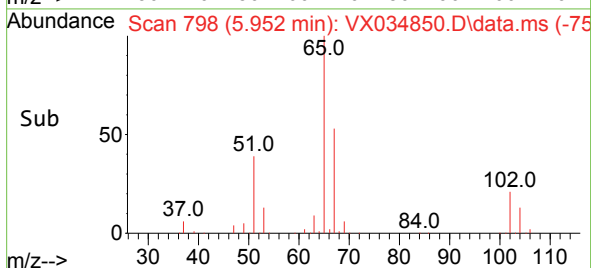
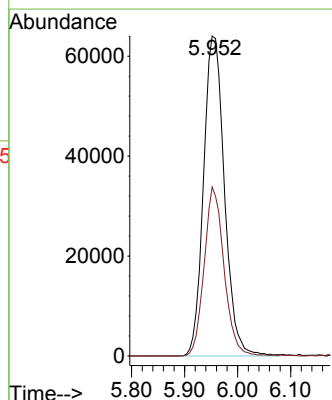
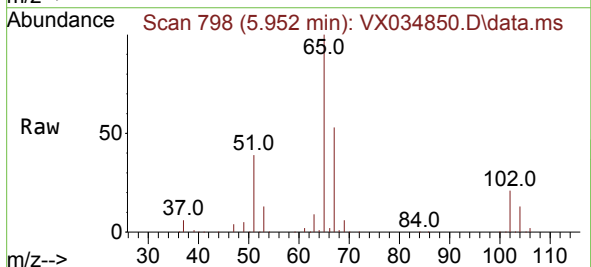
Instrument :
MSVOA_X
ClientSampleId :
OF-2

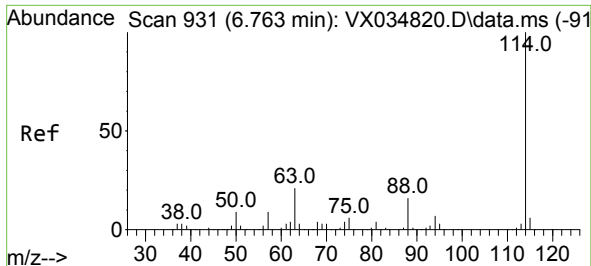
Tgt Ion: 56 Resp: 6362
Ion Ratio Lower Upper
56 100
69 125.0 23.7 35.5#
84 85.1 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 47.534 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion: 65 Resp: 175833
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.0

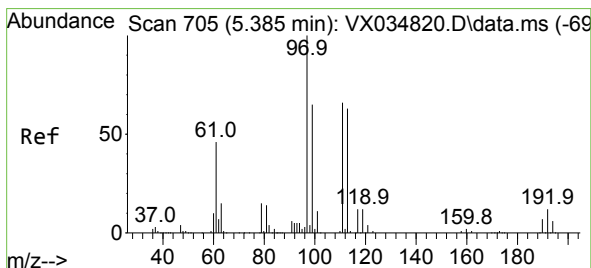
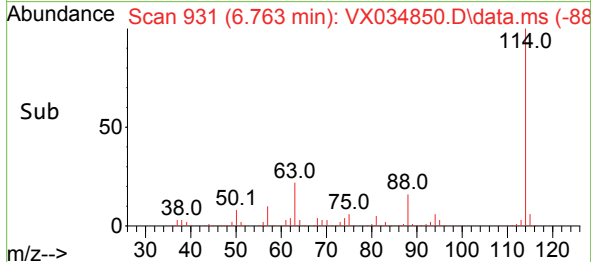
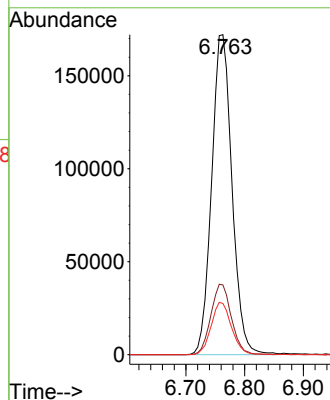
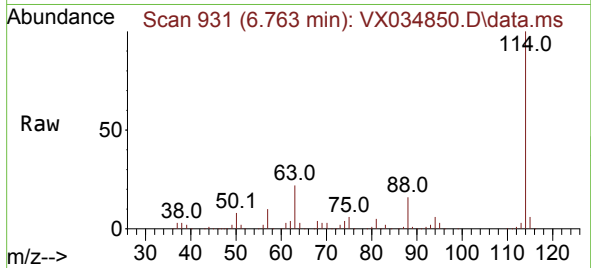




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

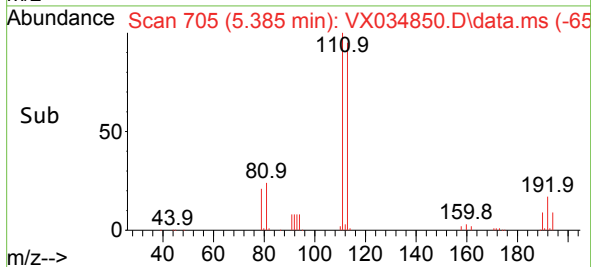
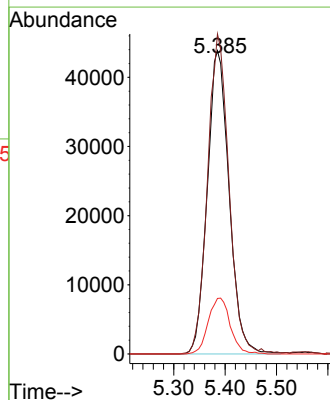
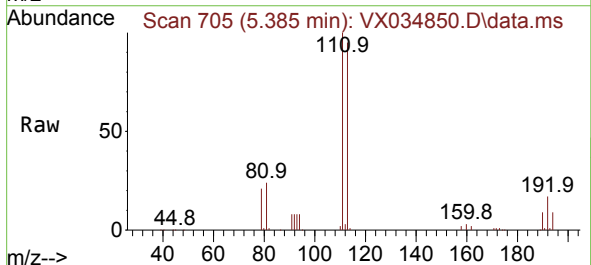
Instrument :
MSVOA_X
ClientSampleId :
OF-2

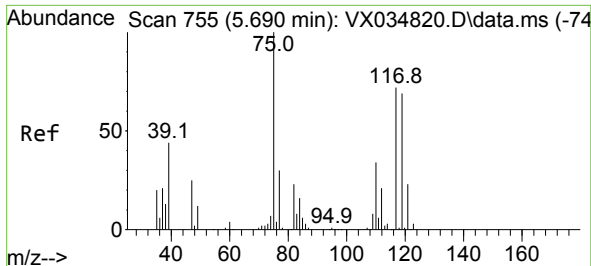
Tgt Ion:114 Resp: 414393
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.2
88 16.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.184 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion:113 Resp: 129327
Ion Ratio Lower Upper
113 100
111 103.8 83.7 125.5
192 18.6 15.4 23.2

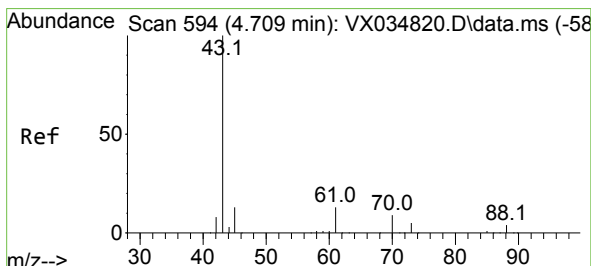
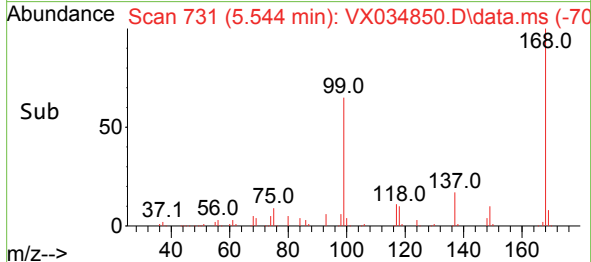
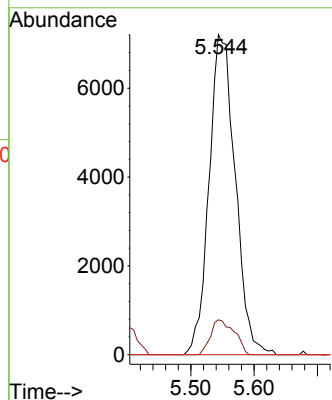
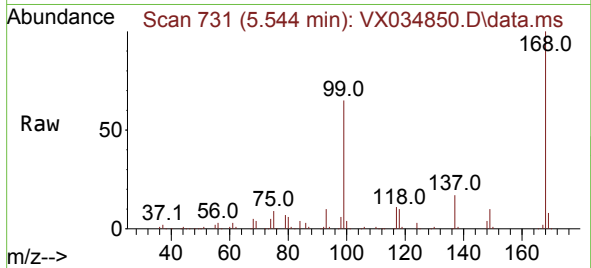




#36
1,1-Dichloropropene
Concen: 5.114 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

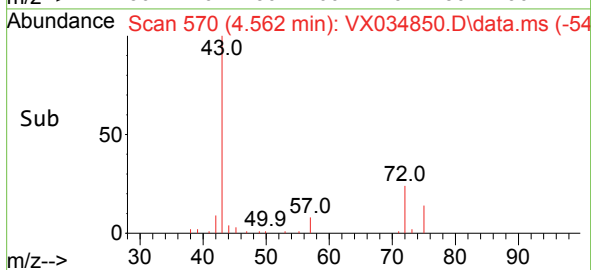
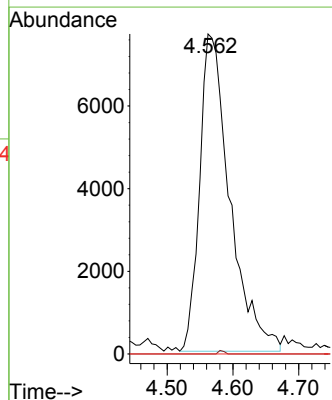
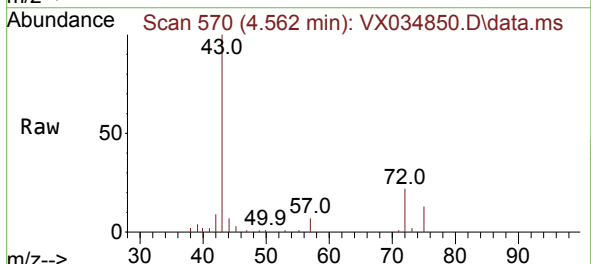
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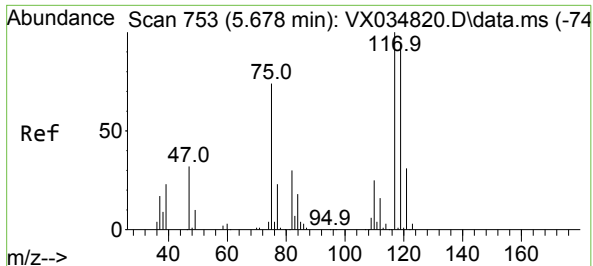
Tgt Ion: 75 Resp: 20697
Ion Ratio Lower Upper
75 100
110 9.9 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 5.767 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.146 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

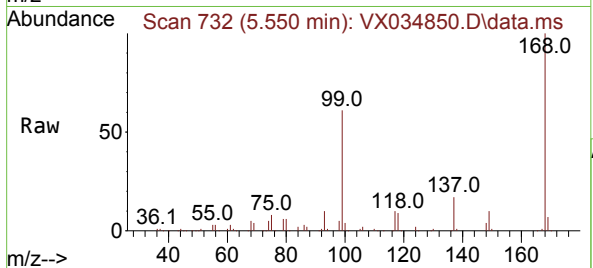
Tgt Ion: 43 Resp: 24524
Ion Ratio Lower Upper
43 100
61 0.2 10.2 15.4#
70 0.0 8.2 12.4#



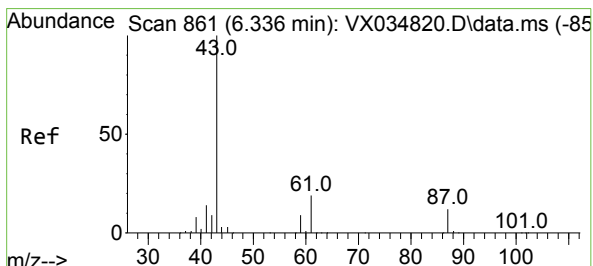
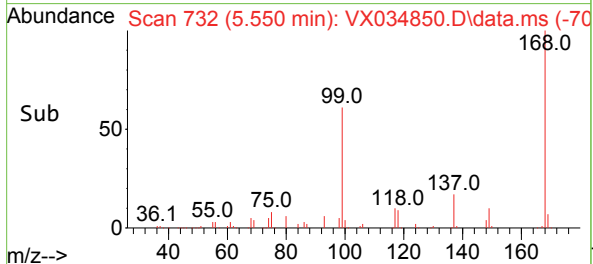
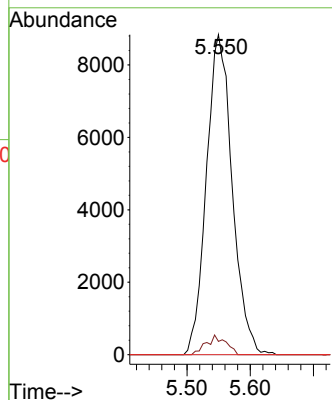


#38
Carbon Tetrachloride
Concen: 6.523 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Instrument :
MSVOA_X
ClientSampleId :
OF-2

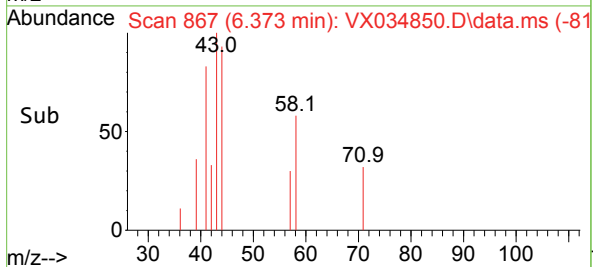
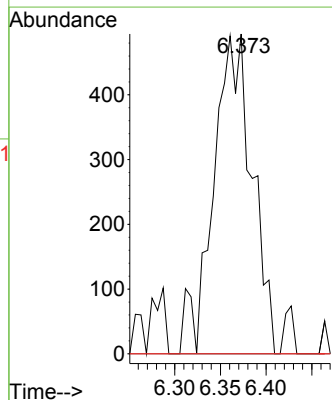
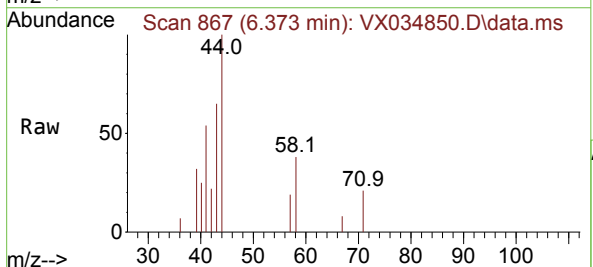


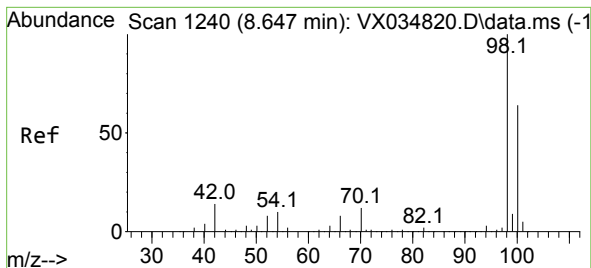
Tgt Ion:117 Resp: 25075
Ion Ratio Lower Upper
117 100
119 4.1 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 0.205 ug/l
RT: 6.373 min Scan# 867
Delta R.T. 0.036 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion: 43 Resp: 1457
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.8#





#50

Toluene-d8

Concen: 49.394 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034850.D

Acq: 30 Mar 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

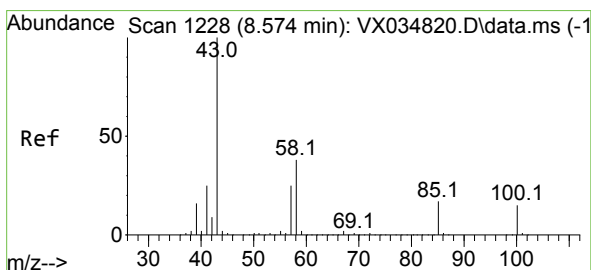
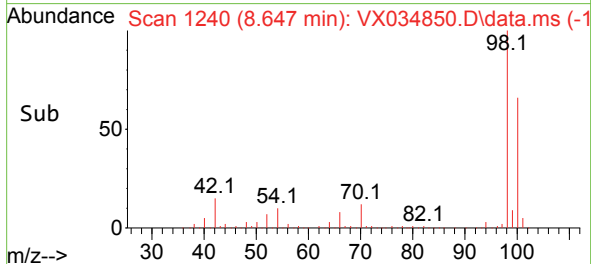
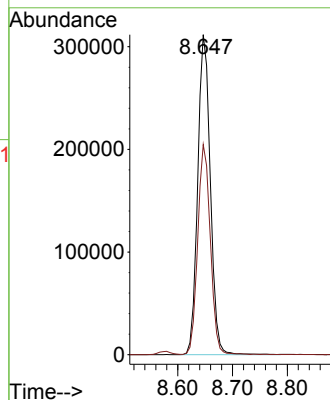
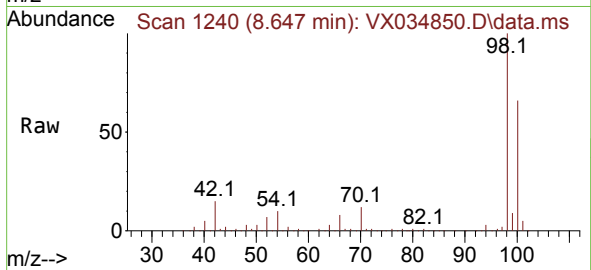
OF-2

Tgt Ion: 98 Resp: 499706

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 9.582 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX034850.D

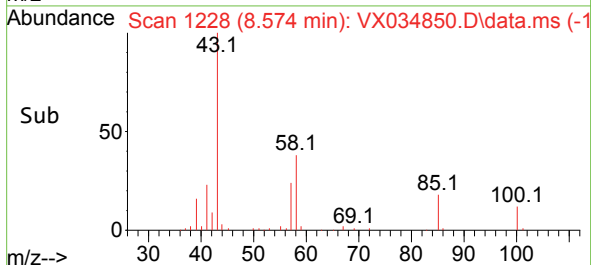
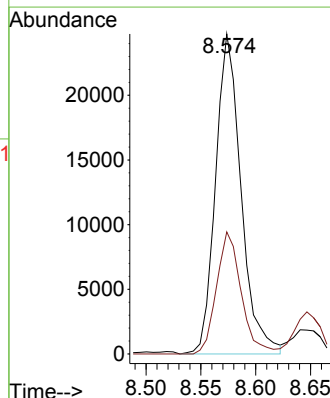
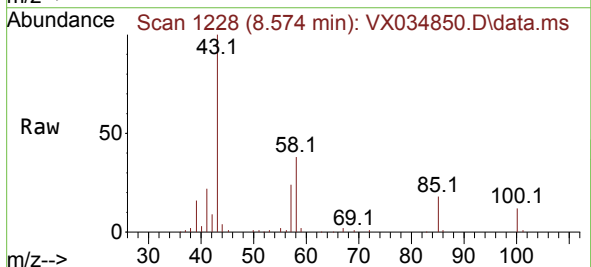
Acq: 30 Mar 2023 14:19

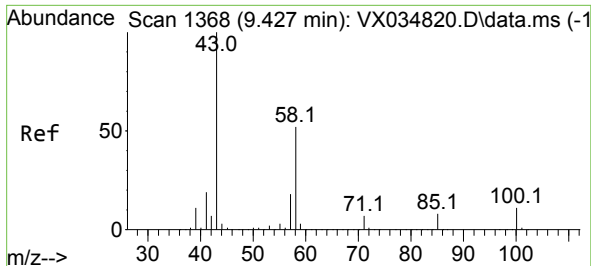
Tgt Ion: 43 Resp: 40035

Ion Ratio Lower Upper

43 100

58 36.8 30.6 46.0





#59

2-Hexanone

Concen: 1.162 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX034850.D

Acq: 30 Mar 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

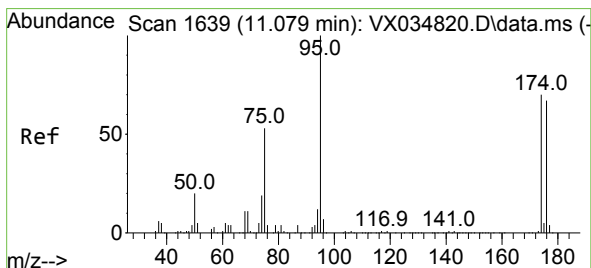
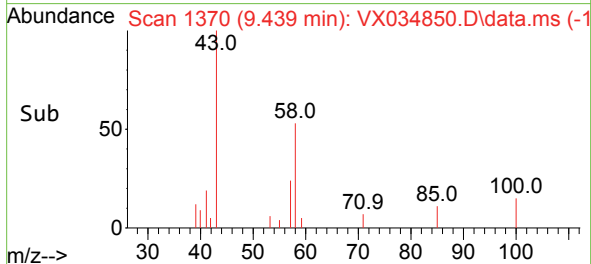
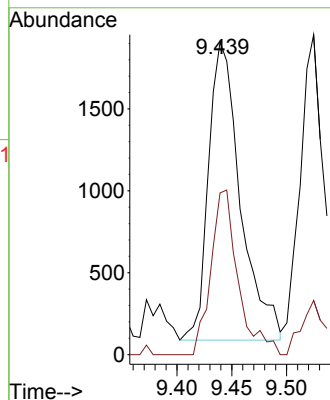
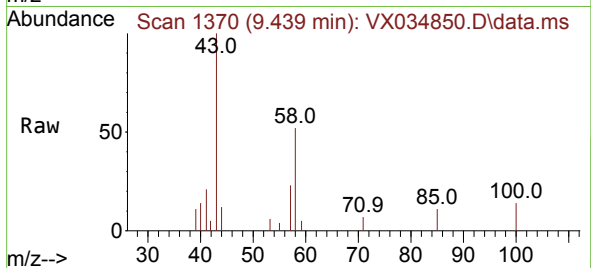
OF-2

Tgt Ion: 43 Resp: 3681

Ion Ratio Lower Upper

43 100

58 47.1 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 45.475 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034850.D

Acq: 30 Mar 2023 14:19

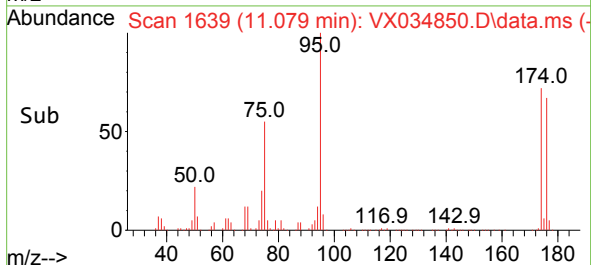
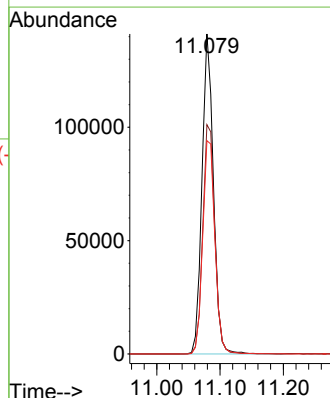
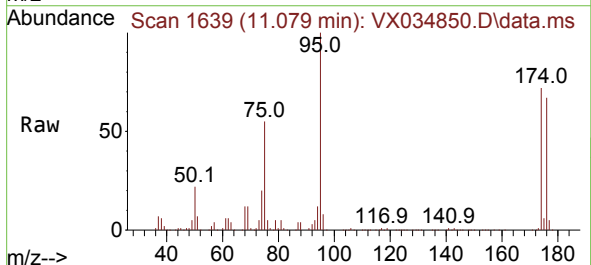
Tgt Ion: 95 Resp: 178032

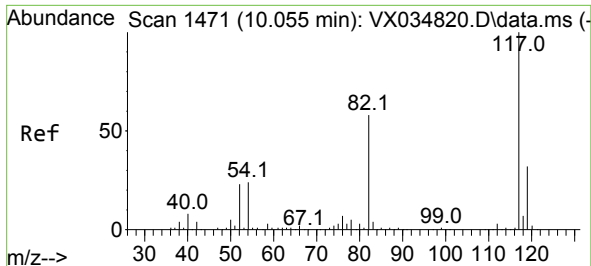
Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.4

176 71.4 0.0 140.6

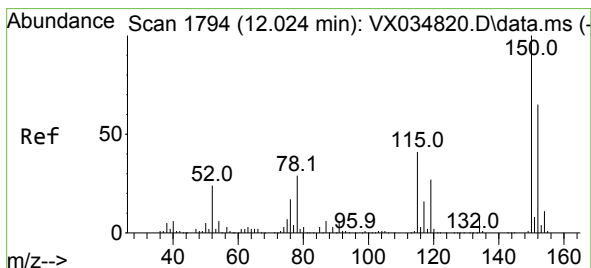
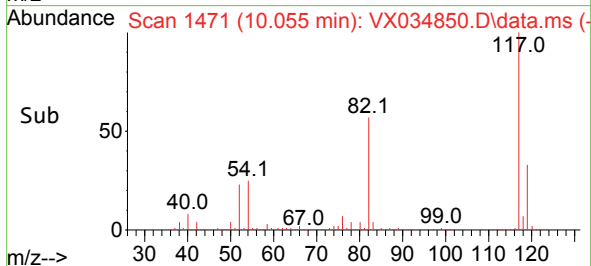
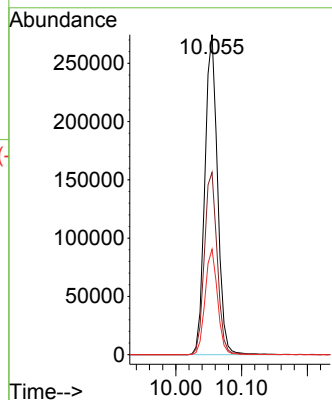
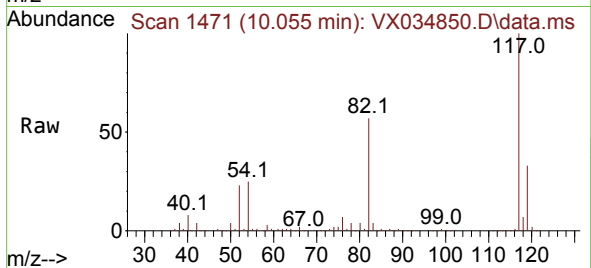




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

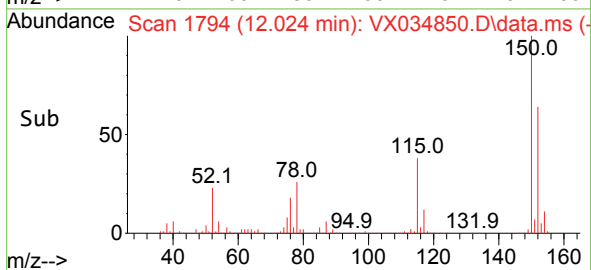
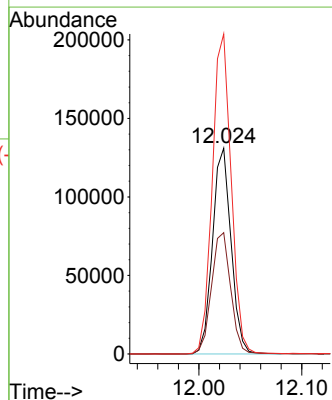
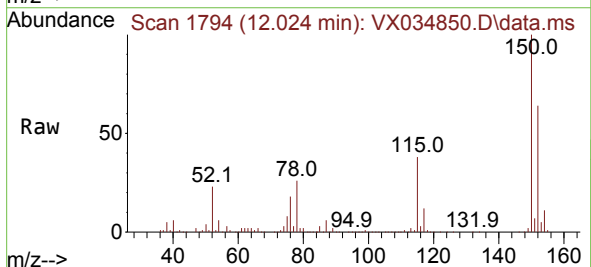
Instrument :
MSVOA_X
ClientSampleId :
OF-2

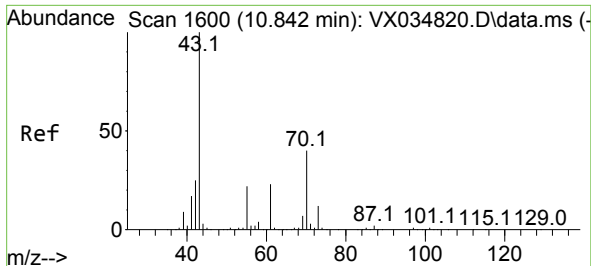
Tgt Ion:117 Resp: 368100
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 33.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion:152 Resp: 164071
Ion Ratio Lower Upper
152 100
115 61.0 45.0 135.0
150 158.1 0.0 352.4

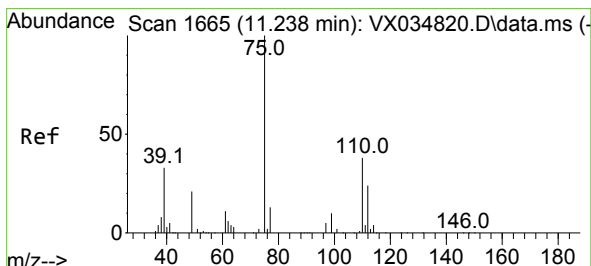
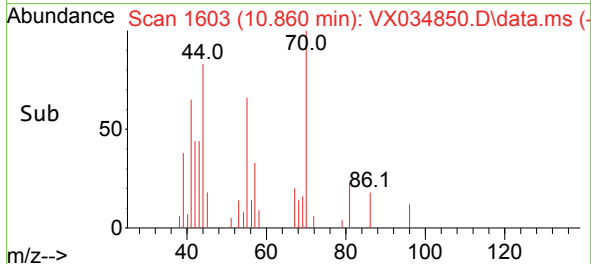
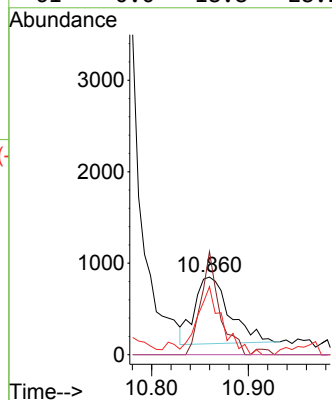
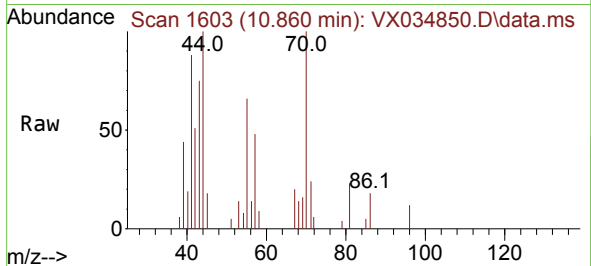




#74
N-amy1 acetate
Concen: 0.339 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

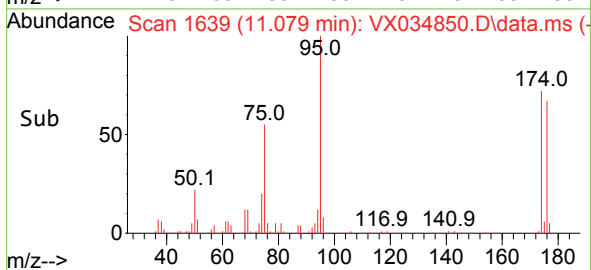
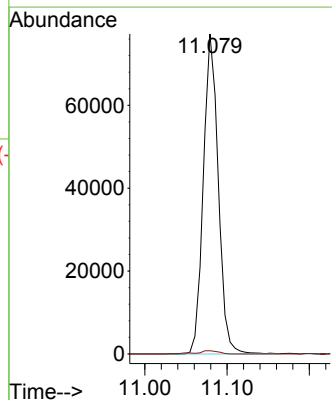
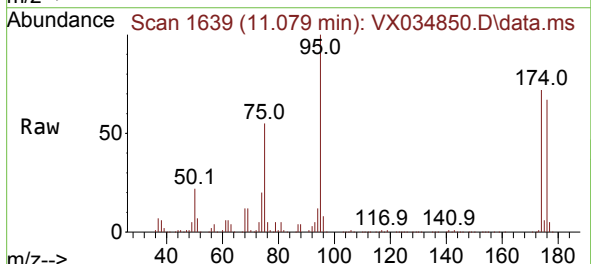
Instrument :
MSVOA_X
ClientSampleId :
OF-2

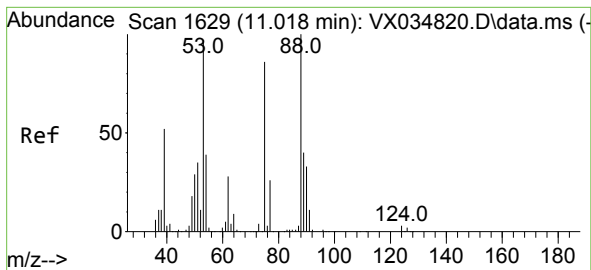
Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
70 81.5 32.1 48.1#
55 71.9 18.3 27.5#
61 0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 28.990 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion: 75 Resp: 97395
Ion Ratio Lower Upper
75 100
77 1.5 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.637 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX034850.D
 Acq: 30 Mar 2023 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

Tgt Ion: 75 Resp: 97395
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

