

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033023\
 Data File : VX034849.D
 Acq On : 30 Mar 2023 13:56
 Operator : JC/MD
 Sample : 02091-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-1

Quant Time: Mar 31 01:31:47 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)

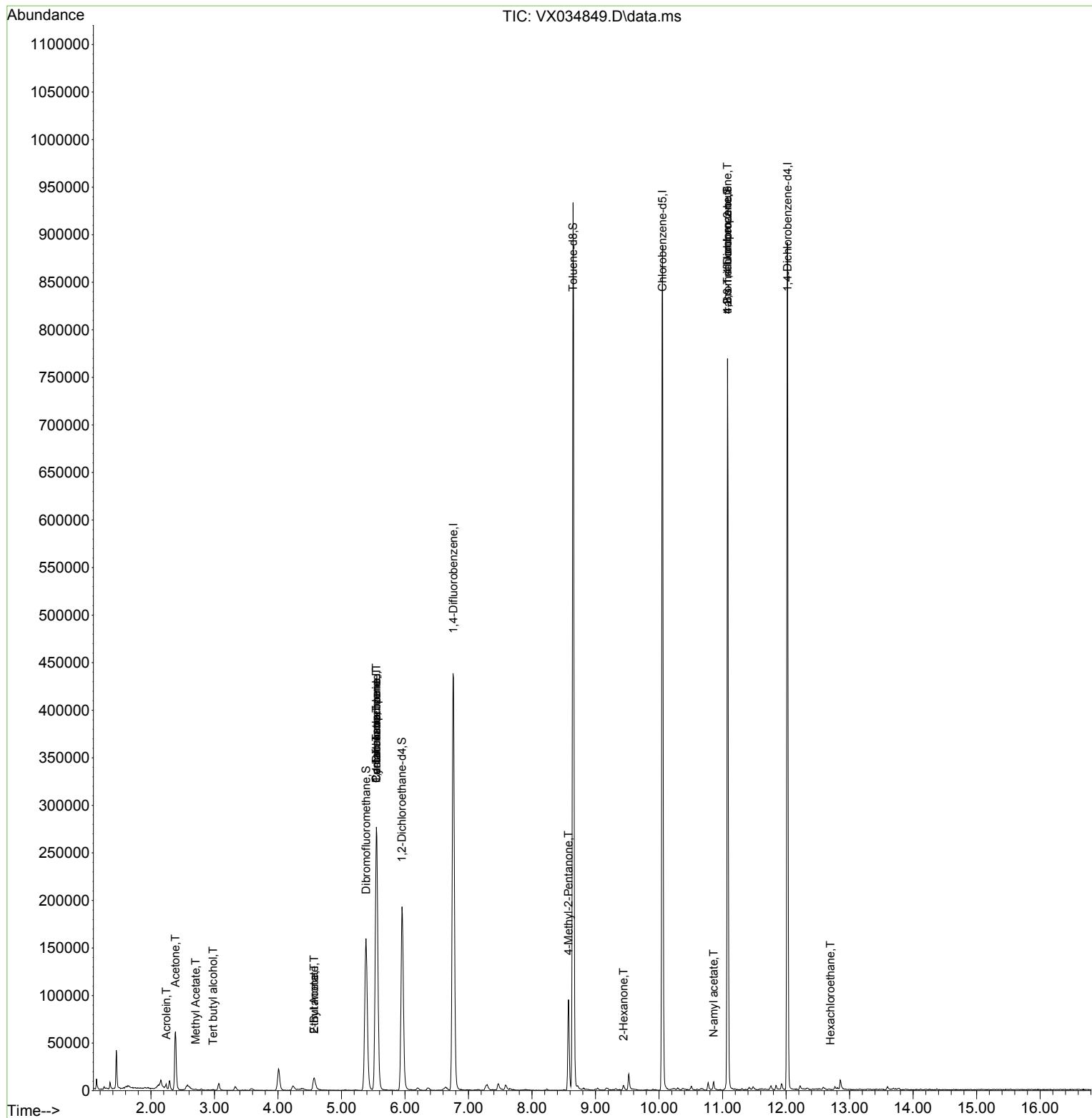
Internal Standards						
1) Pentafluorobenzene	5.549	168	250715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	435295	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	180896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	181780	47.409	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	94.820%	
35) Dibromofluoromethane	5.385	113	135957	47.222	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.440%	
50) Toluene-d8	8.646	98	524106	49.318	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	98.640%	
62) 4-Bromofluorobenzene	11.079	95	191573	46.584	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	93.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	989	1.476	ug/l #	73
13) Acrolein	2.239	56	3267	4.718	ug/l #	77
16) Acetone	2.385	43	73062	47.086	ug/l	98
18) Methyl Acetate	2.702	43	1229	0.224	ug/l #	77
25) 2-Butanone	4.568	43	23744	10.545	ug/l	91
31) Cyclohexane	5.549	56	6539	1.401	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	21627	5.087	ug/l #	51
37) Ethyl Acetate	4.568	43	23744	5.315	ug/l #	70
38) Carbon Tetrachloride	5.549	117	26665	6.603	ug/l #	16
51) 4-Methyl-2-Pentanone	8.573	43	58026	13.221	ug/l	98
59) 2-Hexanone	9.439	43	3409	1.025	ug/l	100
74) N-amyl acetate	10.859	43	2027	0.337	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	105638	28.519	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	105638	76.457	ug/l #	8
90) Hexachloroethane	12.701	117	21	0.733	ug/l #	15
94) Hexachlorobutadiene	13.725	225	199	Below Cal		91

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

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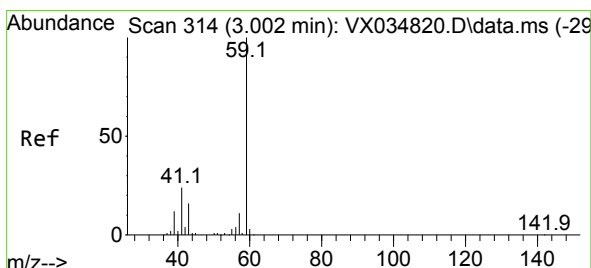
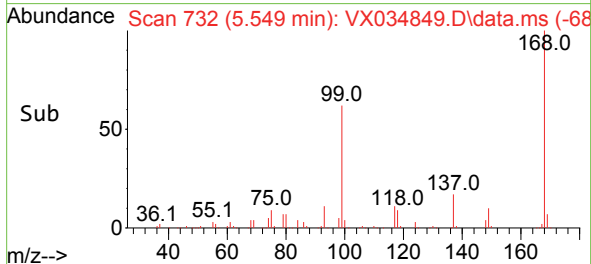
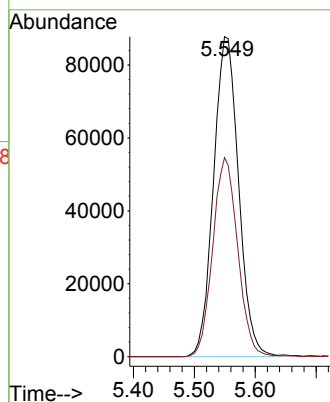
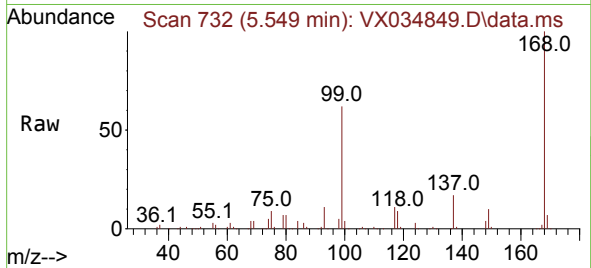




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

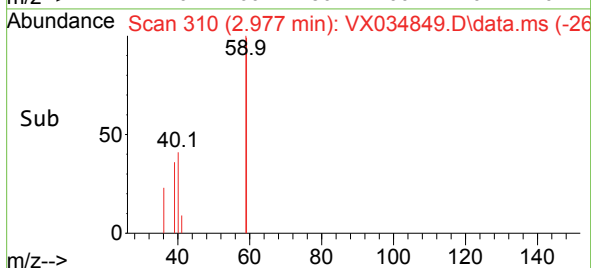
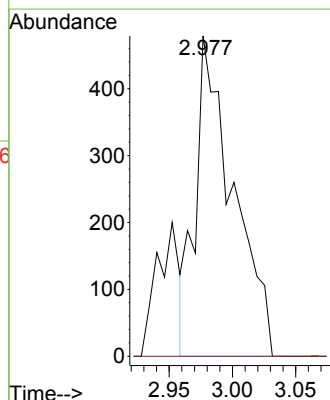
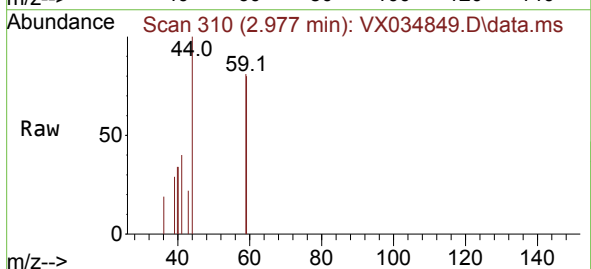
Instrument :
MSVOA_X
ClientSampleId :
OF-1

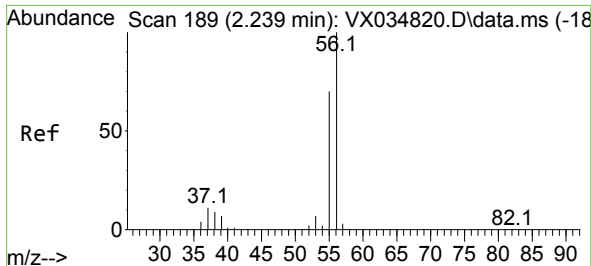
Tgt Ion:168 Resp: 250715
Ion Ratio Lower Upper
168 100
99 62.2 45.7 68.5



#11
Tert butyl alcohol
Concen: 1.476 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.025 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Tgt Ion: 59 Resp: 989
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 4.718 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX034849.D

Acq: 30 Mar 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

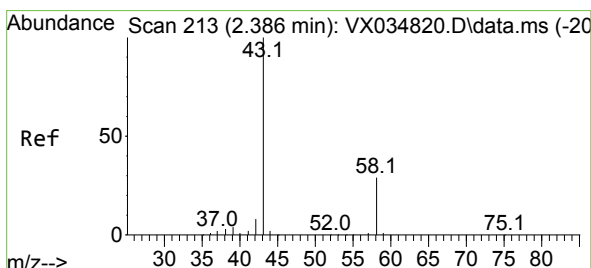
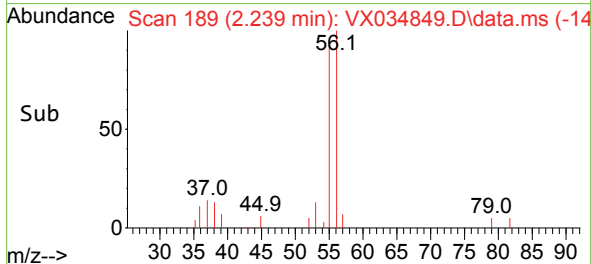
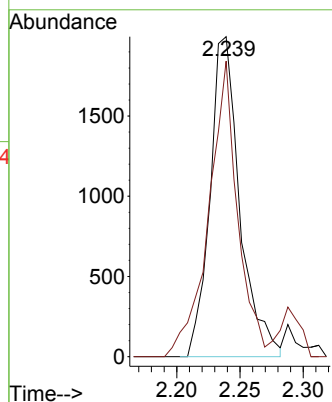
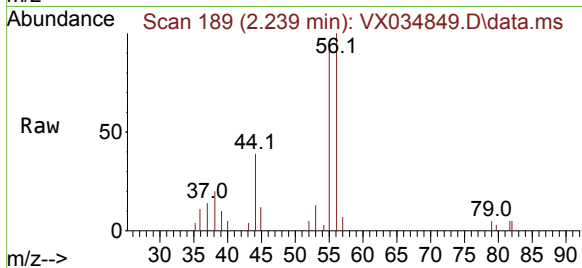
OF-1

Tgt Ion: 56 Resp: 3267

Ion Ratio Lower Upper

56 100

55 89.6 56.6 85.0#



#16

Acetone

Concen: 47.086 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX034849.D

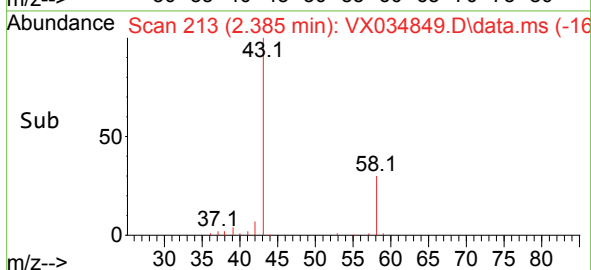
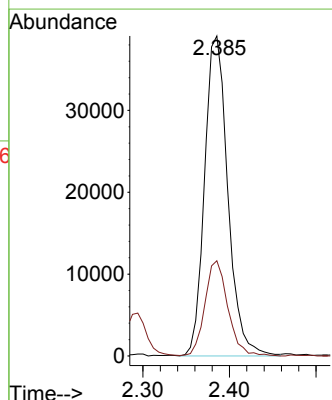
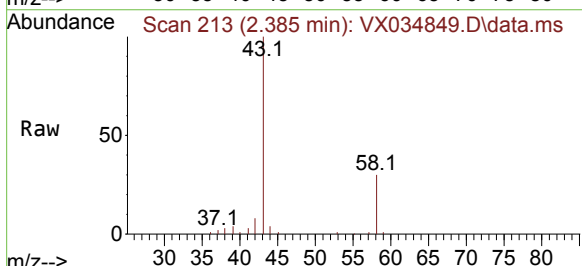
Acq: 30 Mar 2023 13:56

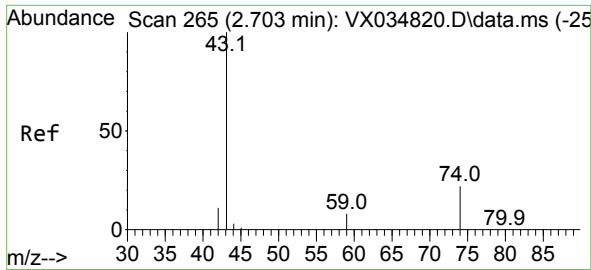
Tgt Ion: 43 Resp: 73062

Ion Ratio Lower Upper

43 100

58 29.7 24.7 37.1





#18

Methyl Acetate

Concen: 0.224 ug/l

RT: 2.702 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX034849.D

Acq: 30 Mar 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

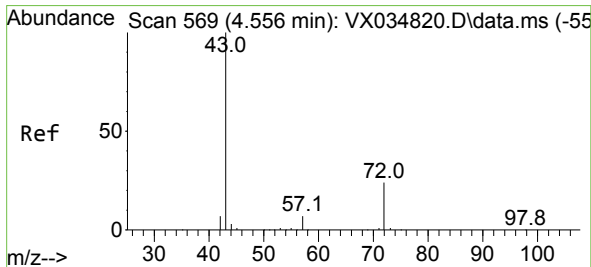
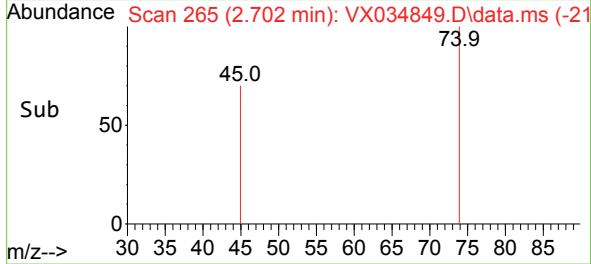
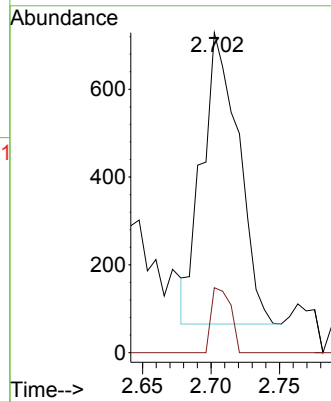
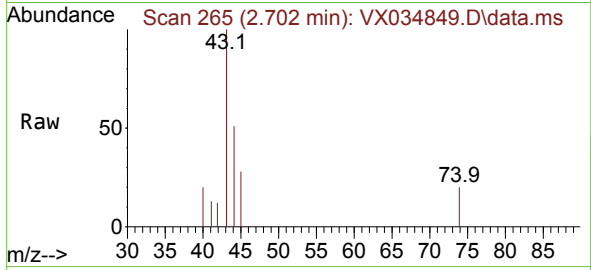
OF-1

Tgt Ion: 43 Resp: 1229

Ion Ratio Lower Upper

43 100

74 11.8 18.3 27.5#



#25

2-Butanone

Concen: 10.545 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX034849.D

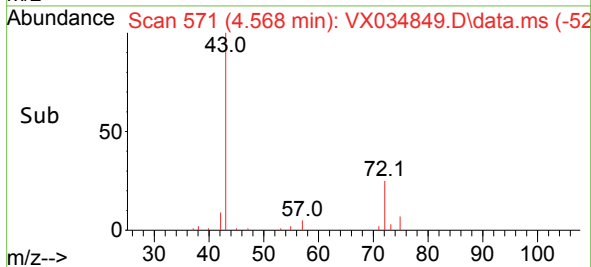
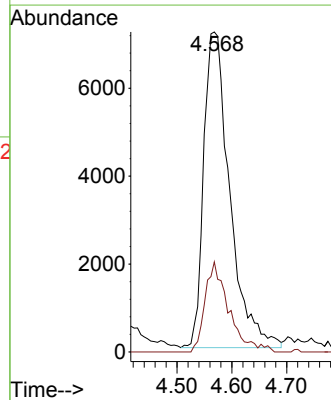
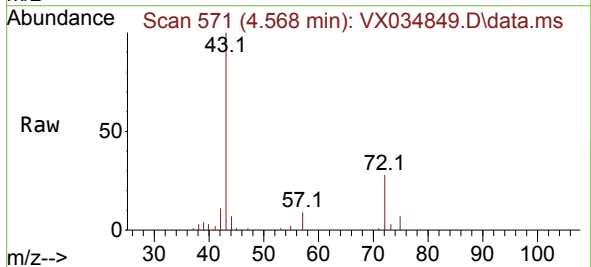
Acq: 30 Mar 2023 13:56

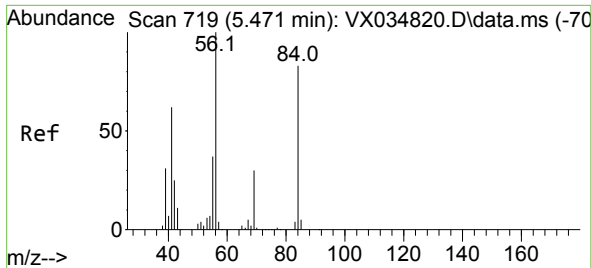
Tgt Ion: 43 Resp: 23744

Ion Ratio Lower Upper

43 100

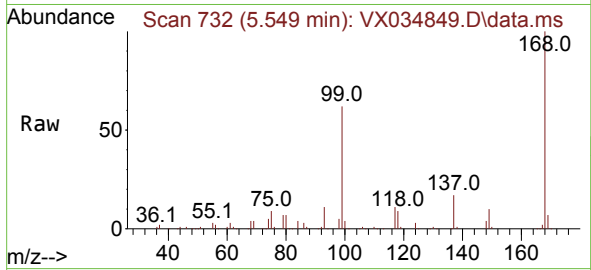
72 28.6 19.3 28.9



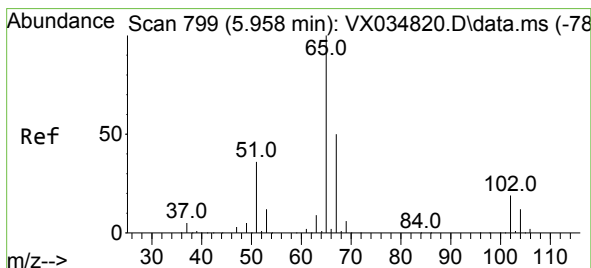
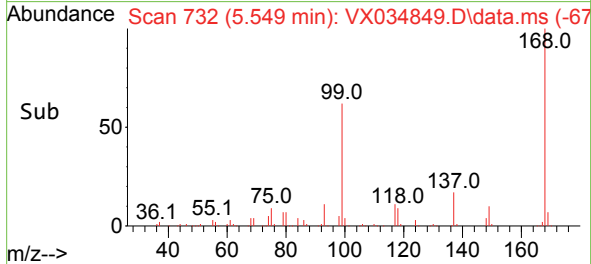
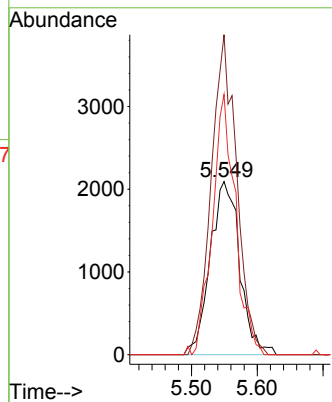


#31
Cyclohexane
Concen: 1.401 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Instrument :
MSVOA_X
ClientSampleId :
OF-1

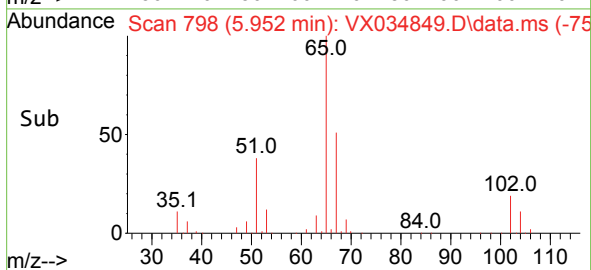
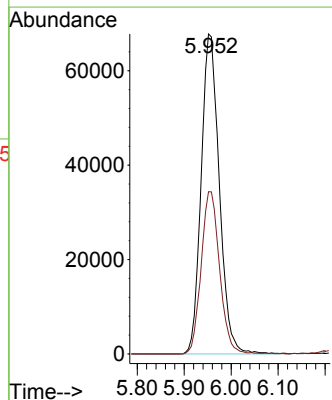
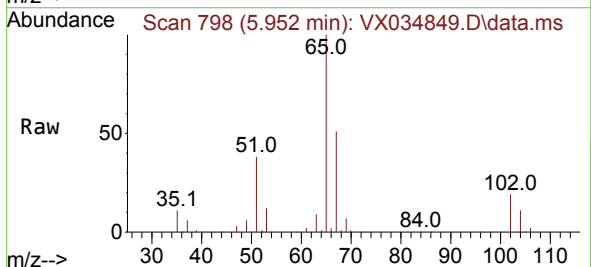


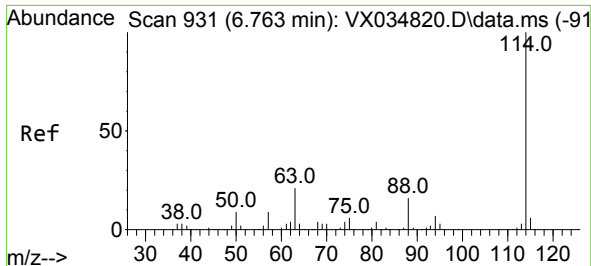
Tgt Ion: 56 Resp: 6539
Ion Ratio Lower Upper
56 100
69 184.8 23.7 35.5#
84 150.2 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.409 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Tgt Ion: 65 Resp: 181780
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0

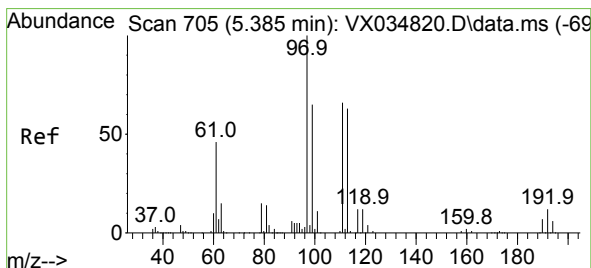
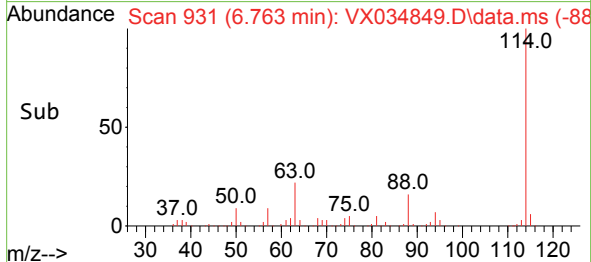
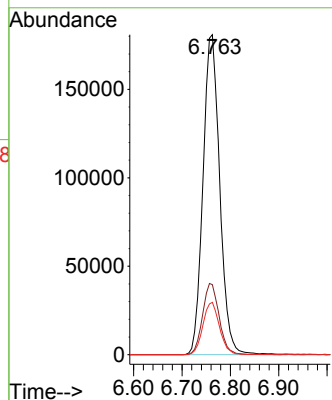
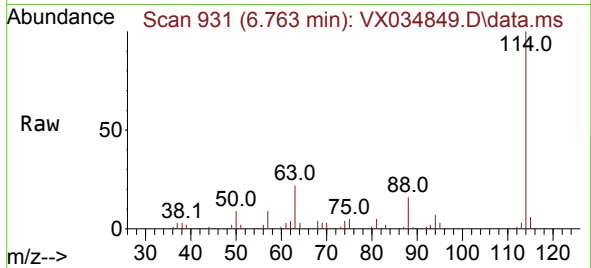




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

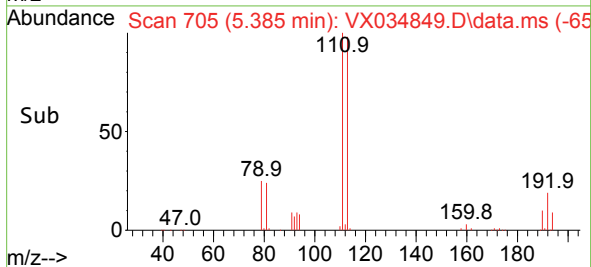
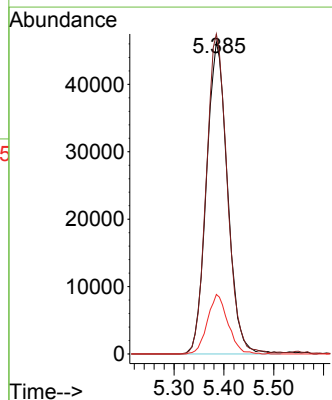
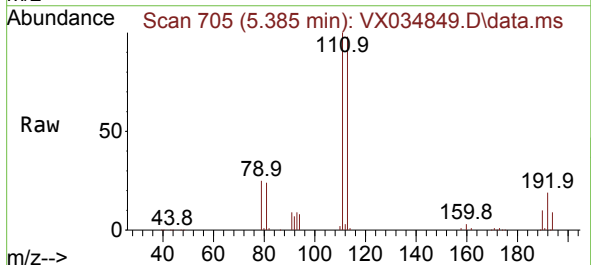
Instrument :
MSVOA_X
ClientSampleId :
OF-1

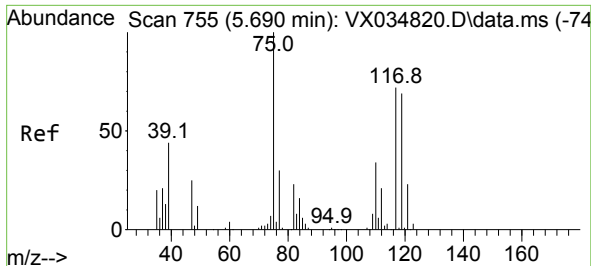
Tgt Ion:114 Resp: 435295
Ion Ratio Lower Upper
114 100
63 21.9 0.0 42.2
88 16.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.222 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Tgt Ion:113 Resp: 135957
Ion Ratio Lower Upper
113 100
111 101.6 83.7 125.5
192 18.6 15.4 23.2

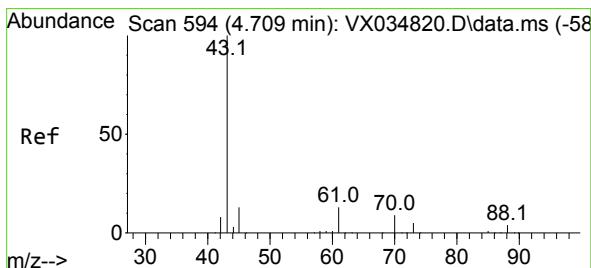
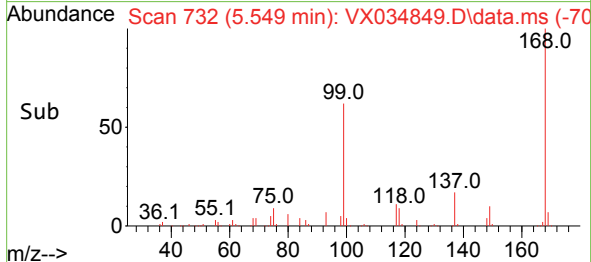
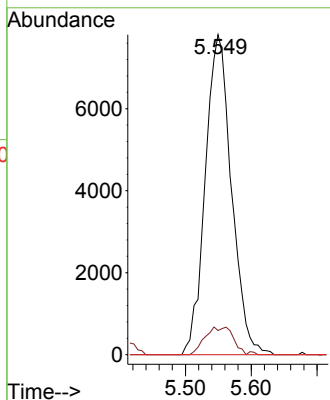
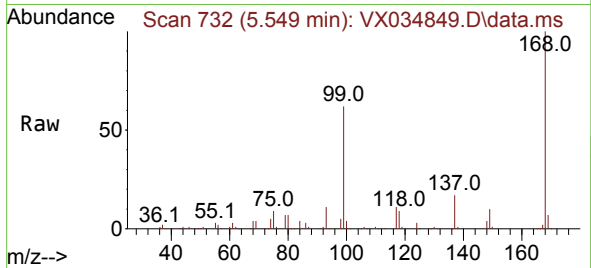




#36
1,1-Dichloropropene
Concen: 5.087 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

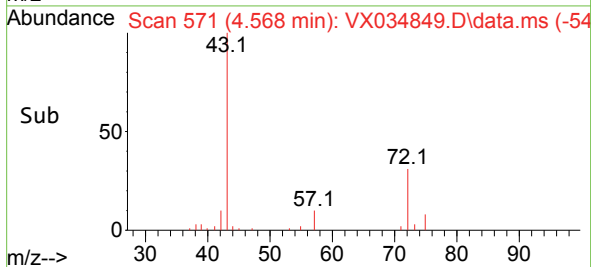
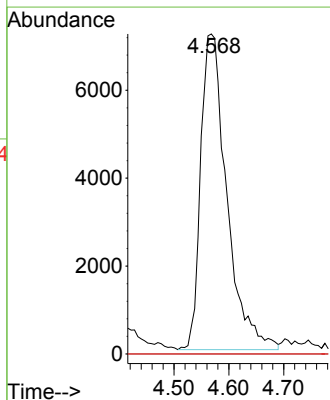
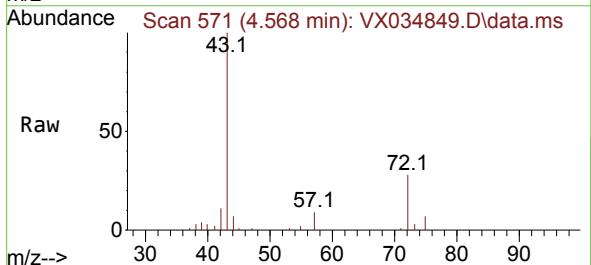
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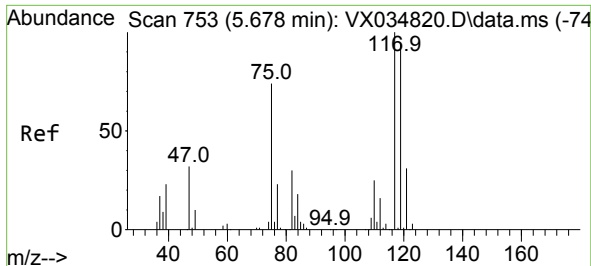
Tgt Ion: 75 Resp: 21627
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 5.315 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.141 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

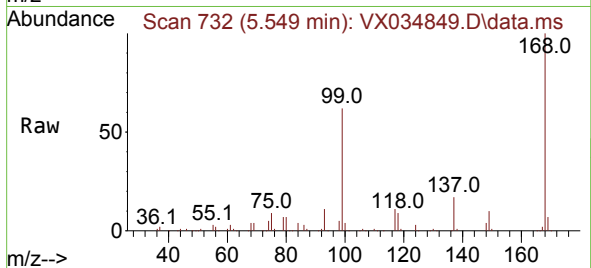
Tgt Ion: 43 Resp: 23744
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



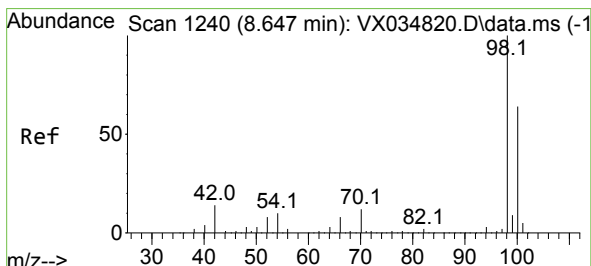
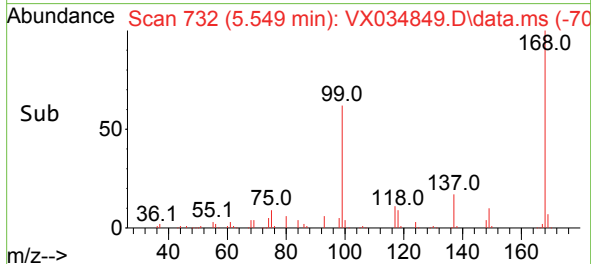
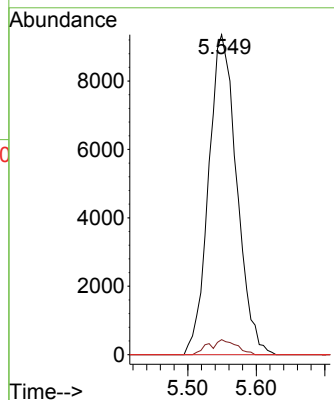


#38
Carbon Tetrachloride
Concen: 6.603 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Instrument :
MSVOA_X
ClientSampleId :
OF-1

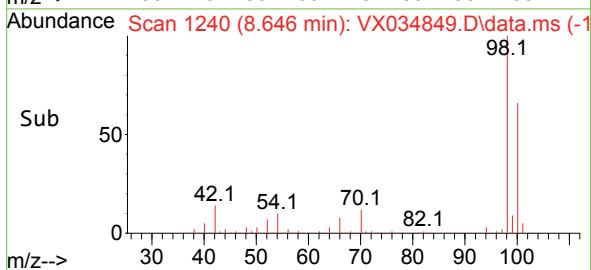
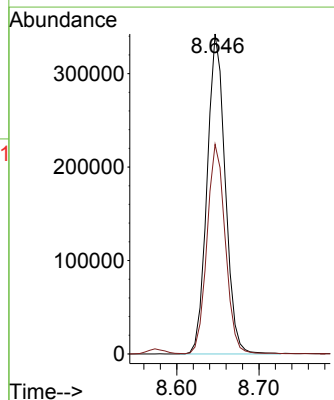
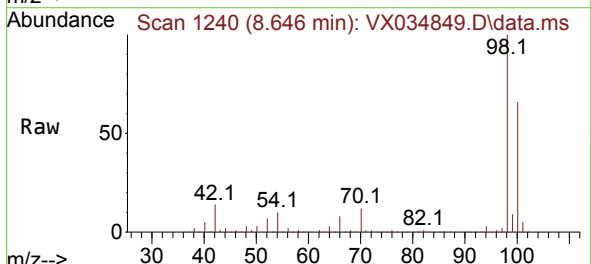


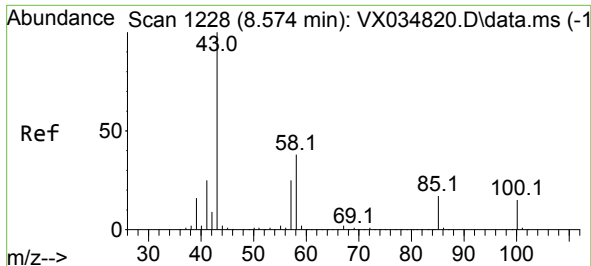
Tgt Ion:117 Resp: 26665
Ion Ratio Lower Upper
117 100
119 4.7 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.318 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Tgt Ion: 98 Resp: 524106
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7

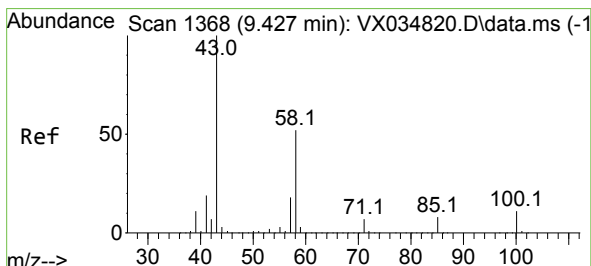
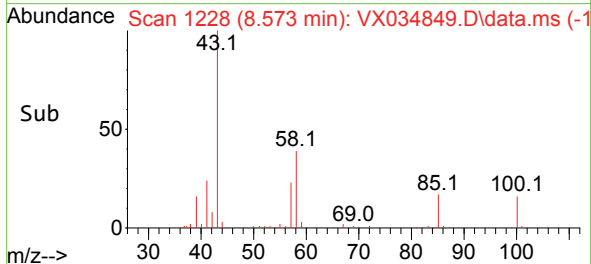
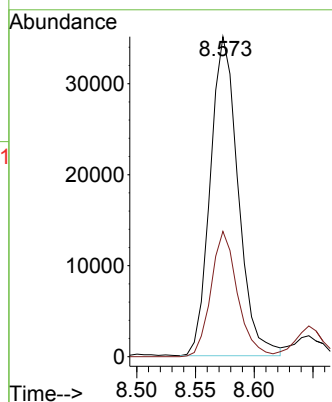
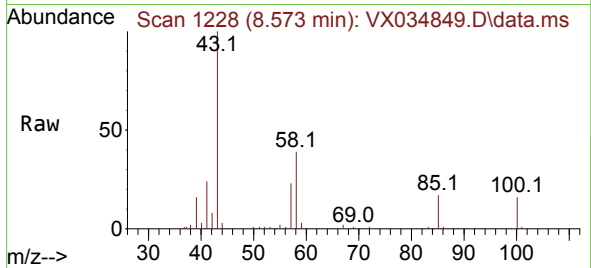




#51
4-Methyl-2-Pentanone
Concen: 13.221 ug/l
RT: 8.573 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

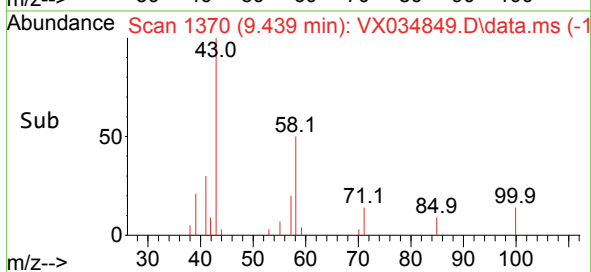
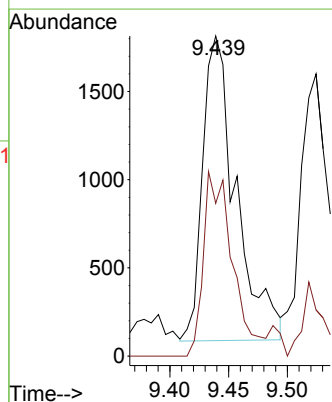
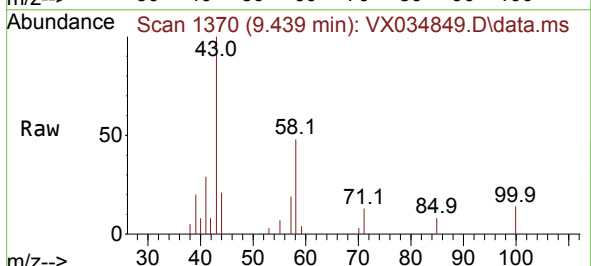
Instrument :
MSVOA_X
ClientSampleId :
OF-1

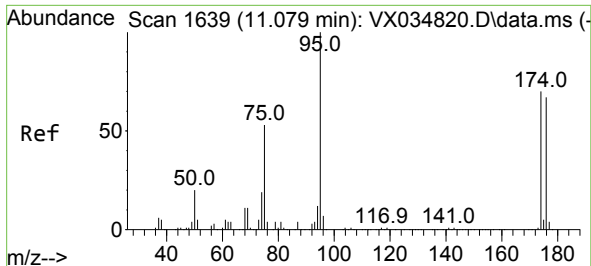
Tgt Ion: 43 Resp: 58026
Ion Ratio Lower Upper
43 100
58 37.4 30.6 46.0



#59
2-Hexanone
Concen: 1.025 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Tgt Ion: 43 Resp: 3409
Ion Ratio Lower Upper
43 100
58 52.8 26.3 78.9

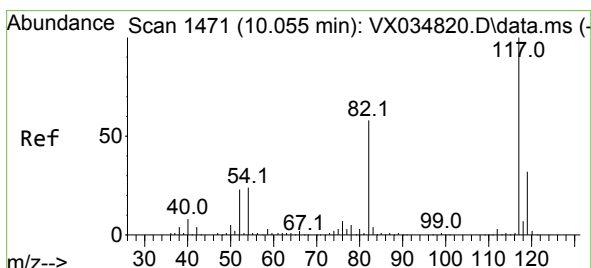
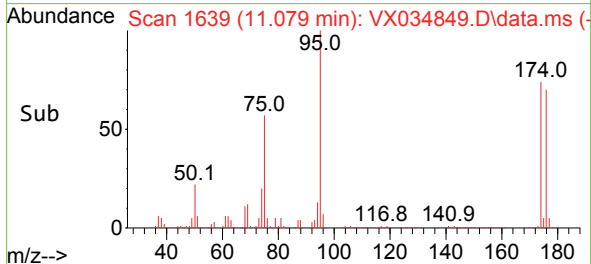
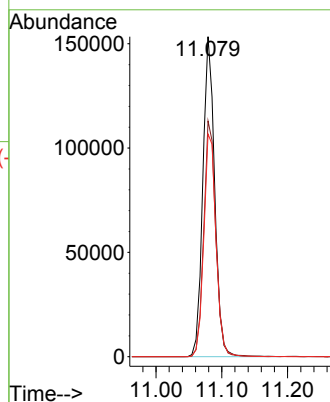
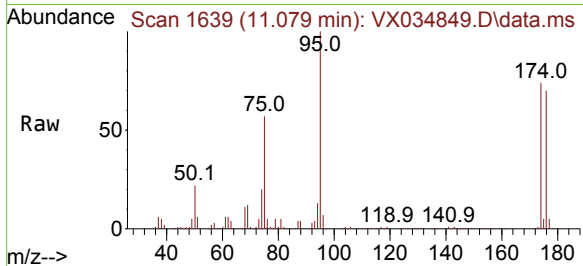




#62
4-Bromofluorobenzene
Concen: 46.584 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

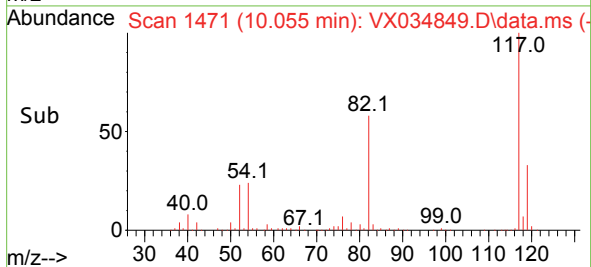
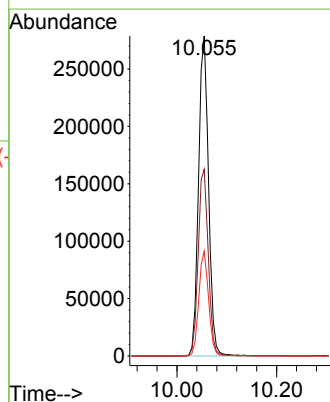
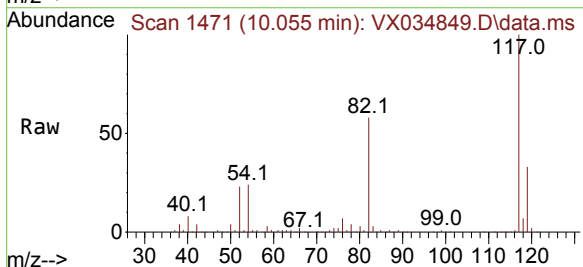
Instrument :
MSVOA_X
ClientSampleId :
OF-1

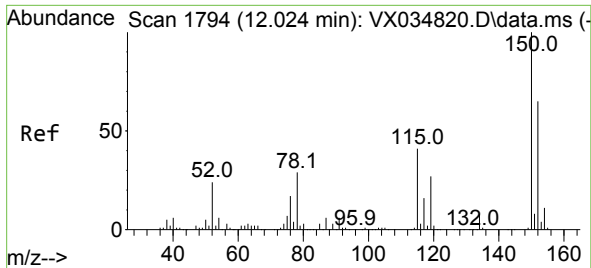
Tgt Ion: 95 Resp: 191573
Ion Ratio Lower Upper
95 100
174 74.8 0.0 147.4
176 72.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Tgt Ion: 117 Resp: 387606
Ion Ratio Lower Upper
117 100
82 58.3 45.0 67.4
119 32.7 26.0 39.0

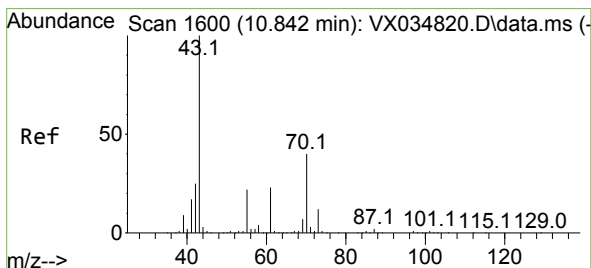
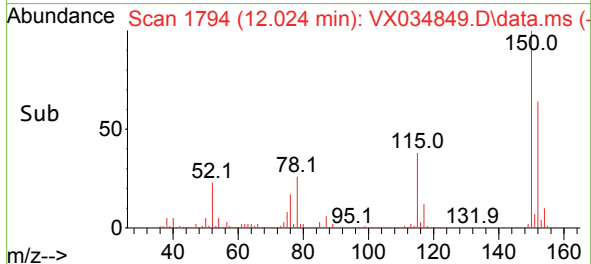
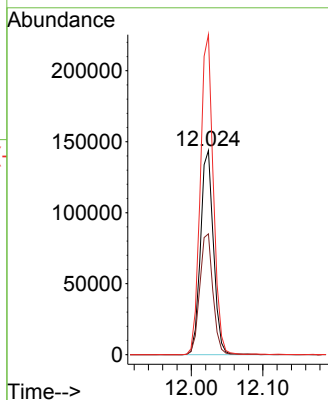
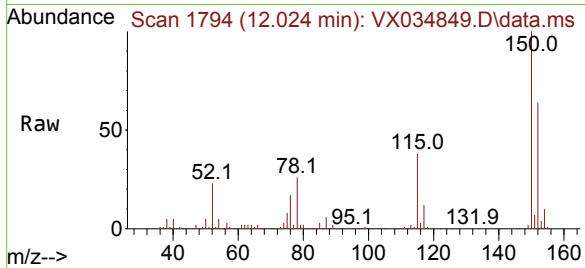




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

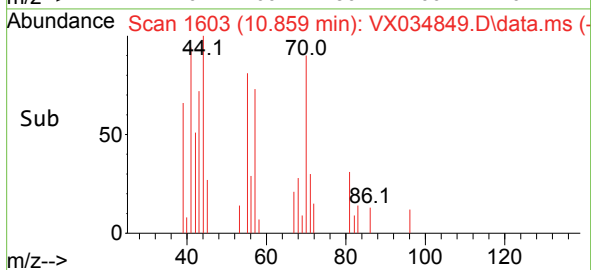
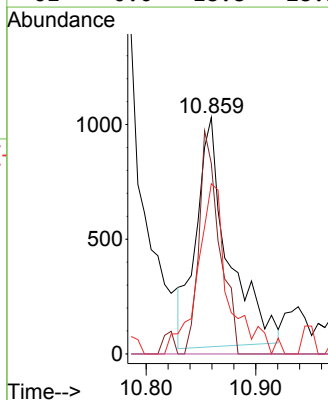
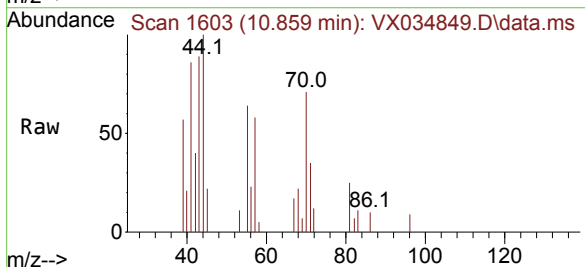
Instrument :
MSVOA_X
ClientSampleId :
OF-1

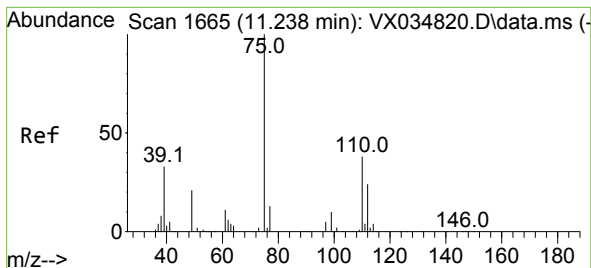
Tgt Ion:152 Resp: 180896
Ion Ratio Lower Upper
152 100
115 60.3 45.0 135.0
150 157.0 0.0 352.4



#74
N-ethyl acetate
Concen: 0.337 ug/l
RT: 10.859 min Scan# 1603
Delta R.T. 0.017 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
70 62.3 32.1 48.1#
55 71.8 18.3 27.5#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 28.519 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034849.D

Acq: 30 Mar 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

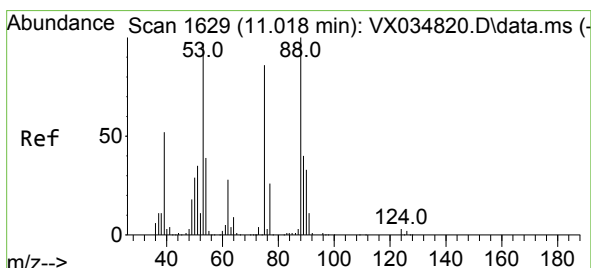
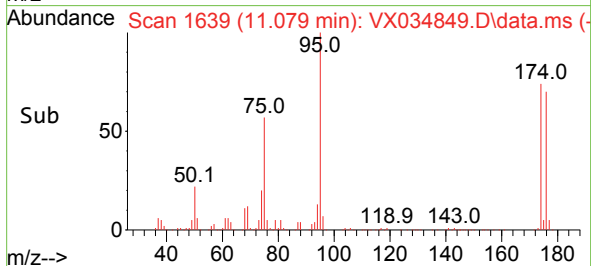
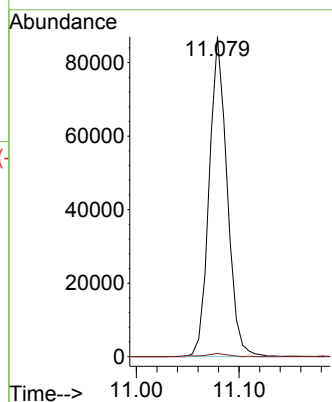
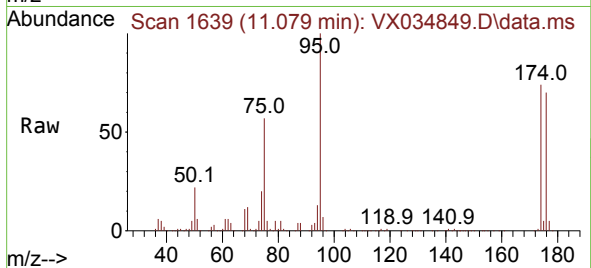
OF-1

Tgt Ion: 75 Resp: 105638

Ion Ratio Lower Upper

75 100

77 1.4 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.457 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034849.D

Acq: 30 Mar 2023 13:56

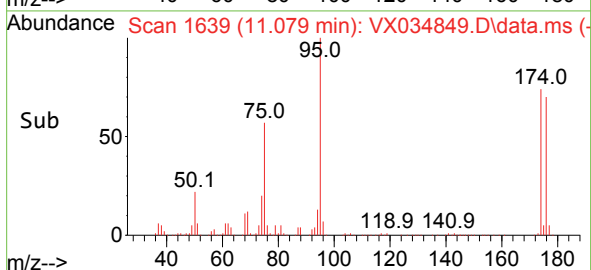
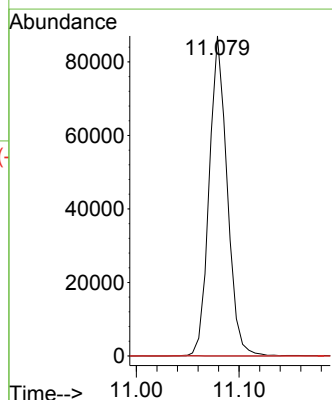
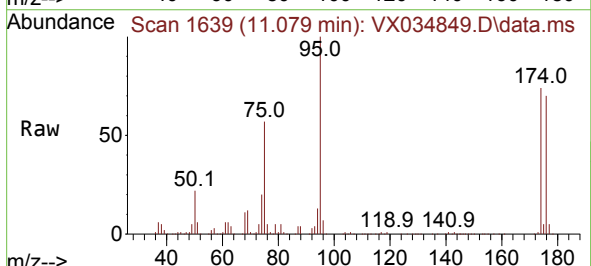
Tgt Ion: 75 Resp: 105638

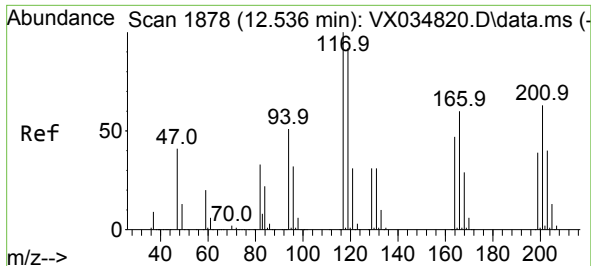
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#90
Hexachloroethane
Concen: 0.733 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX034849.D
Acq: 30 Mar 2023 13:56

Instrument :
MSVOA_X
ClientSampleId :
OF-1

Tgt Ion:117 Resp: 21
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.1#

