

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039172.D
 Acq On : 12 Dec 2023 17:43
 Operator : JC/MD
 Sample : 05757-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

Quant Time: Dec 13 04:19:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

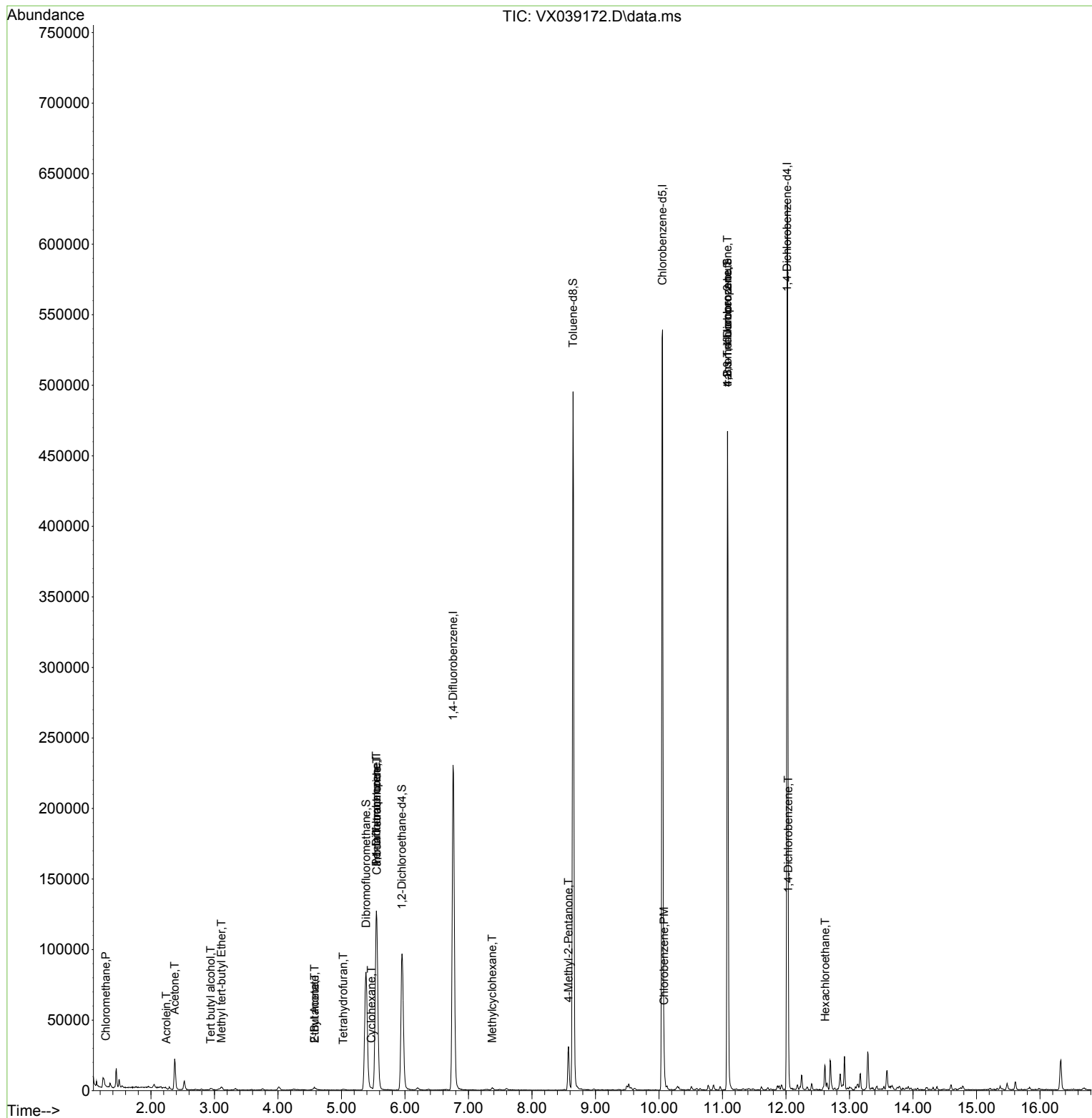
Internal Standards						
1) Pentafluorobenzene	5.550	168	109642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	226662	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95039	53.794	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.580%	
35) Dibromofluoromethane	5.385	113	74119	45.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.560%	
50) Toluene-d8	8.647	98	282848	45.160	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 90.320%#	
62) 4-Bromofluorobenzene	11.079	95	129465	51.637	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	406	0.243	ug/l #	43
11) Tert butyl alcohol	2.941	59	1404	2.857	ug/l #	83
13) Acrolein	2.240	56	471	1.812	ug/l #	15
16) Acetone	2.374	43	22566	23.994	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	2127	0.443	ug/l	92
25) 2-Butanone	4.574	43	2903	1.903	ug/l	97
29) Tetrahydrofuran	5.026	42	273	0.282	ug/l #	64
31) Cyclohexane	5.471	56	586	0.232	ug/l #	68
36) 1,1-Dichloropropene	5.550	75	10193	4.344	ug/l #	51
37) Ethyl Acetate	4.574	43	2903	0.950	ug/l #	69
38) Carbon Tetrachloride	5.556	117	12686	5.850	ug/l #	14
39) Methylcyclohexane	7.373	83	695	0.227	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	18838	6.034	ug/l	99
65) Chlorobenzene	10.080	112	6171	1.238	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	70387	24.130	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70387	53.523	ug/l #	5
88) 1,4-Dichlorobenzene	12.037	146	1520	0.371	ug/l #	60
90) Hexachloroethane	12.616	117	911	0.576	ug/l #	17

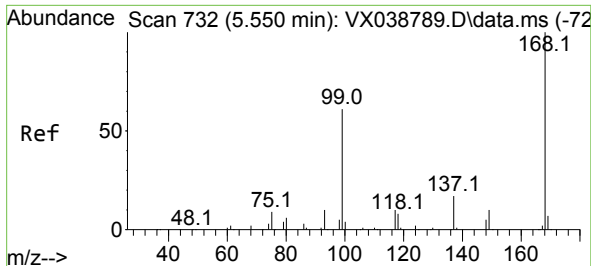
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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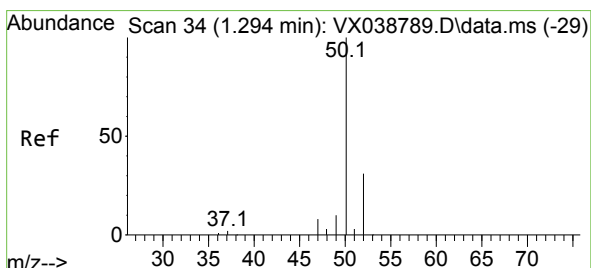
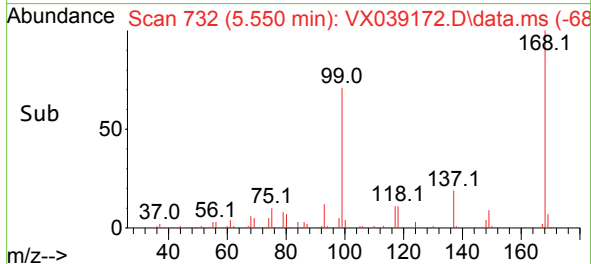
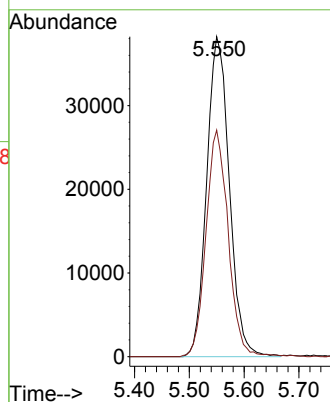
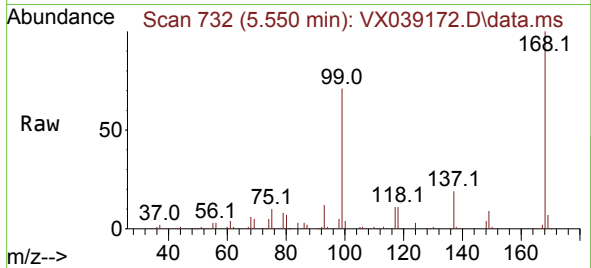




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

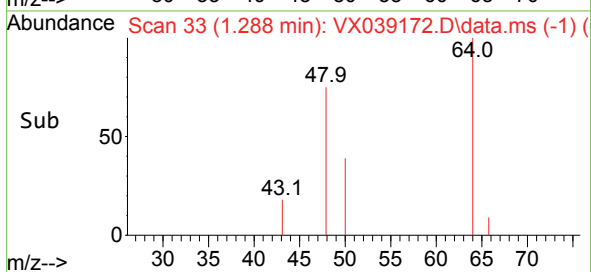
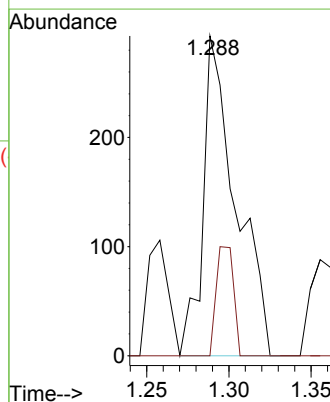
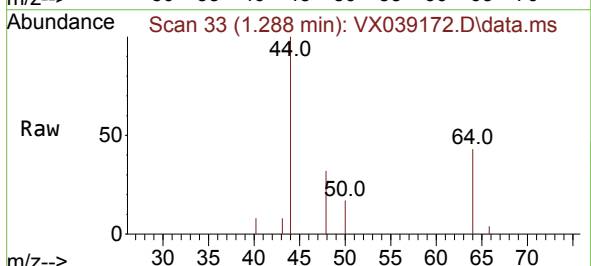
Instrument :
MSVOA_X
ClientSampleId :
OF-2

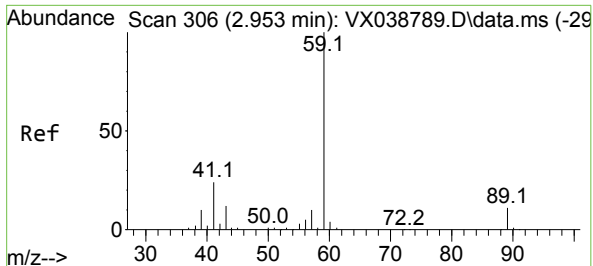
Tgt Ion:168 Resp: 109642
Ion Ratio Lower Upper
168 100
99 70.8 56.6 85.0



#3
Chloromethane
Concen: 0.243 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion: 50 Resp: 406
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

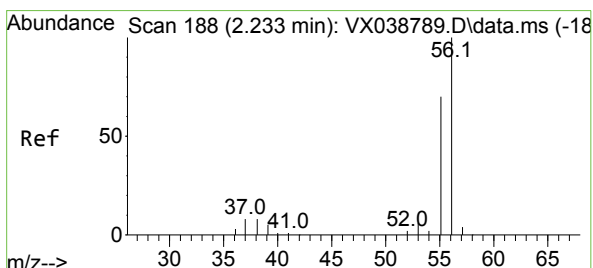
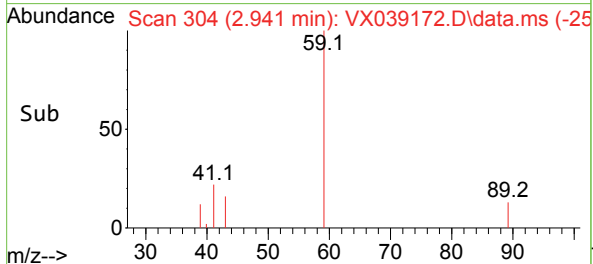
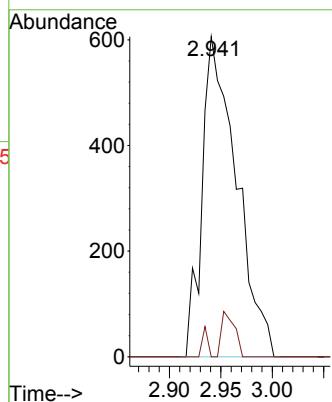
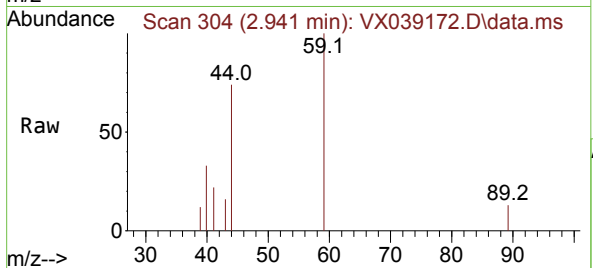




#11
Tert butyl alcohol
Concen: 2.857 ug/l
RT: 2.941 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

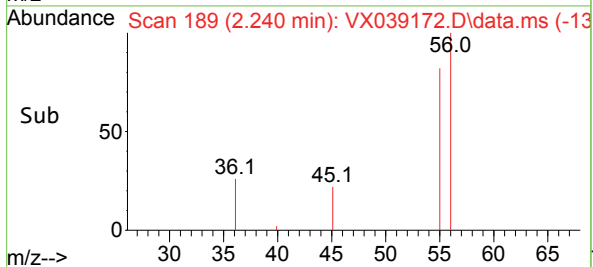
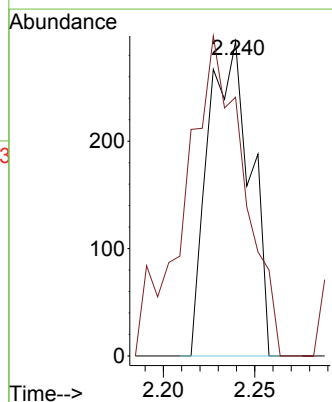
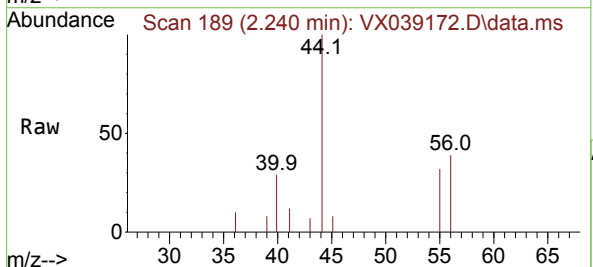
Instrument :
MSVOA_X
ClientSampleId :
OF-2

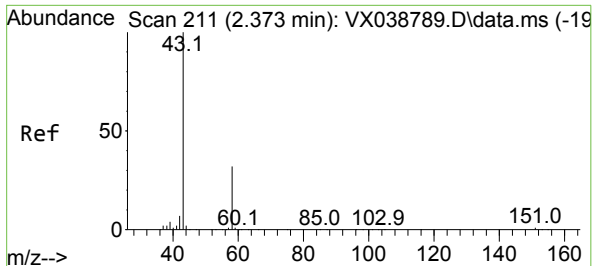
Tgt Ion: 59 Resp: 1404
Ion Ratio Lower Upper
59 100
57 1.5 6.0 9.0#



#13
Acrolein
Concen: 1.812 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion: 56 Resp: 471
Ion Ratio Lower Upper
56 100
55 142.0 57.1 85.7#

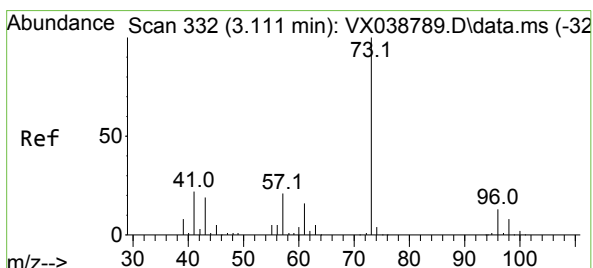
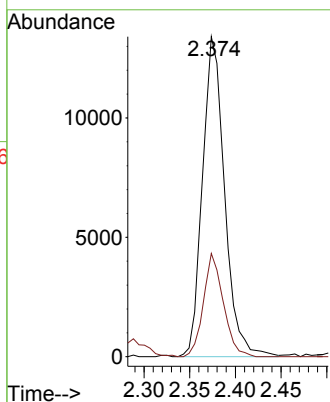
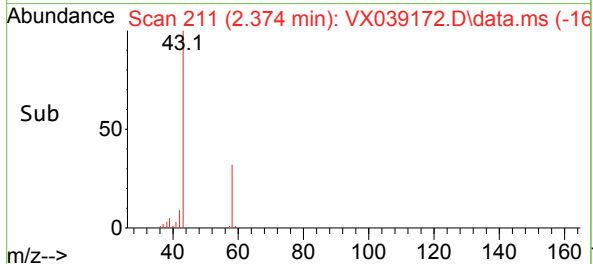
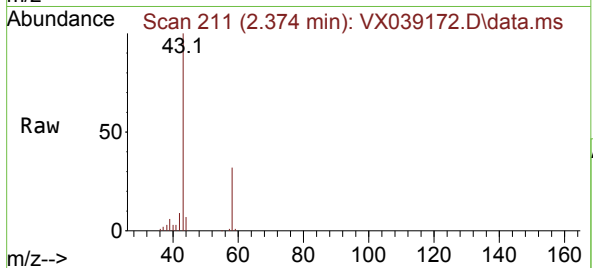




#16
Acetone
Concen: 23.994 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

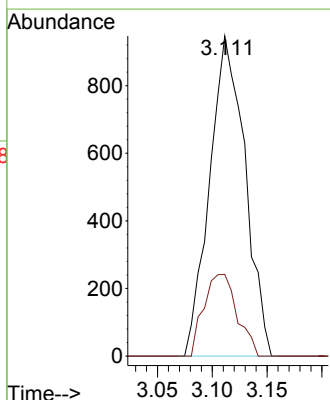
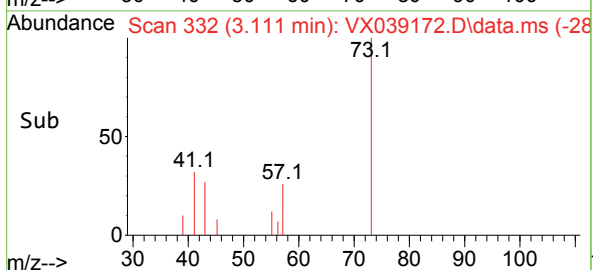
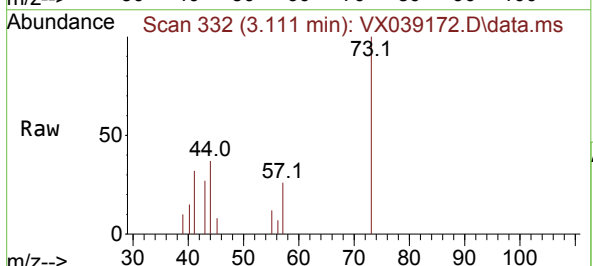
Instrument :
MSVOA_X
ClientSampleId :
OF-2

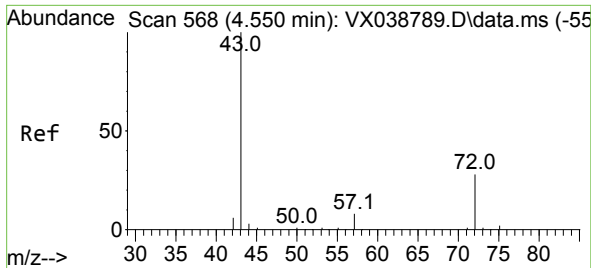
Tgt Ion: 43 Resp: 22566
Ion Ratio Lower Upper
43 100
58 32.2 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.443 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion: 73 Resp: 2127
Ion Ratio Lower Upper
73 100
57 25.6 17.3 25.9

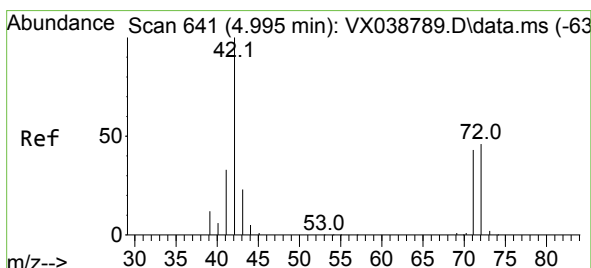
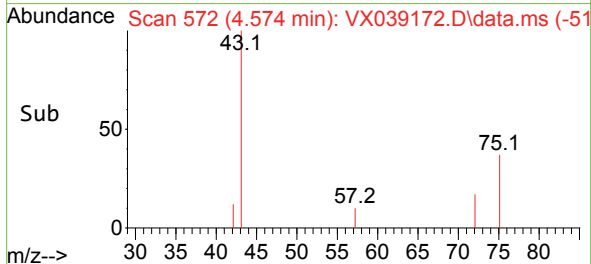
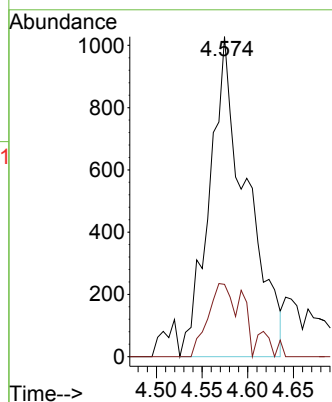
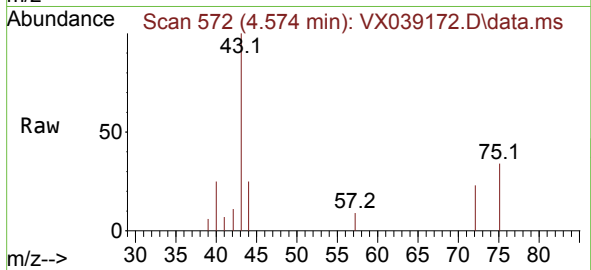




#25
2-Butanone
Concen: 1.903 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

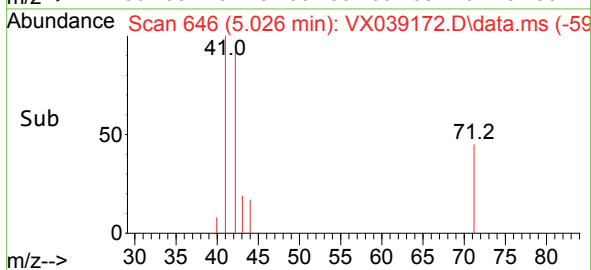
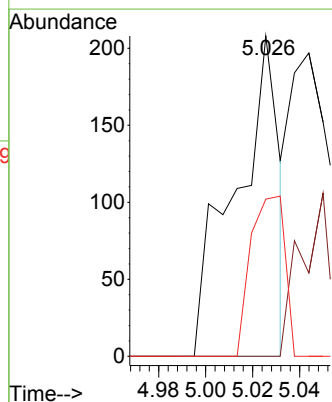
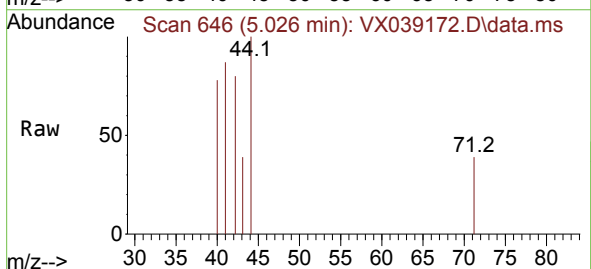
Instrument :
MSVOA_X
ClientSampleId :
OF-2

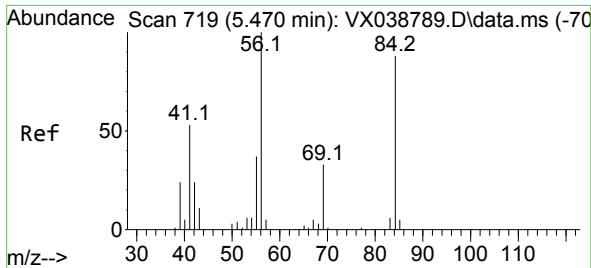
Tgt Ion: 43 Resp: 2903
Ion Ratio Lower Upper
43 100
72 22.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.282 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.031 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion: 42 Resp: 273
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 38.5 32.2 48.2

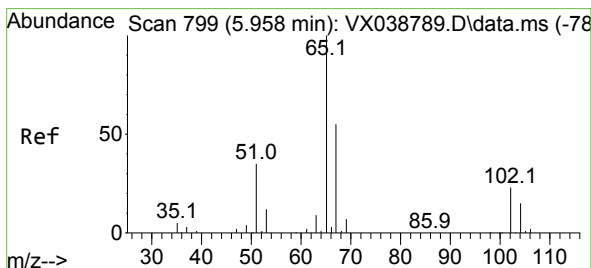
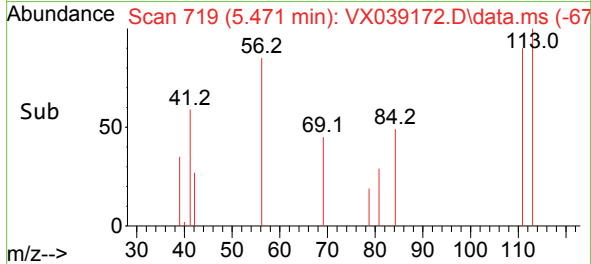
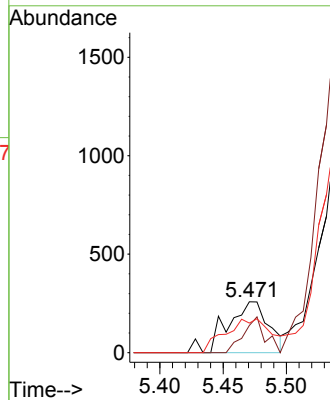
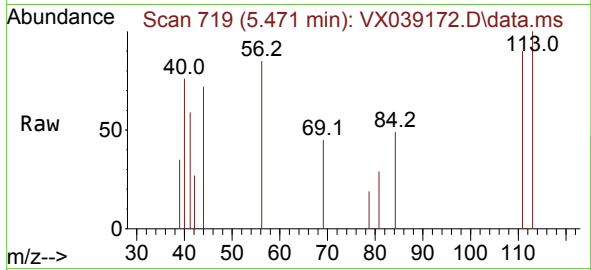




#31
Cyclohexane
Concen: 0.232 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

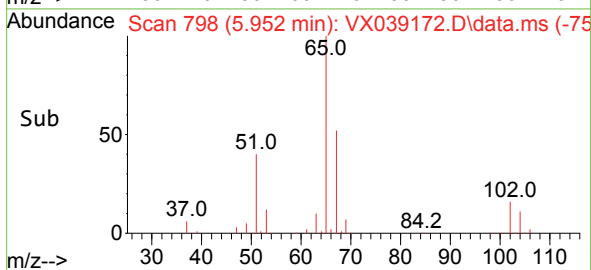
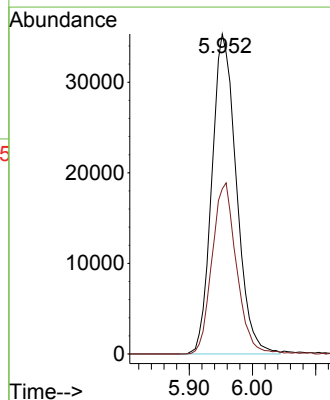
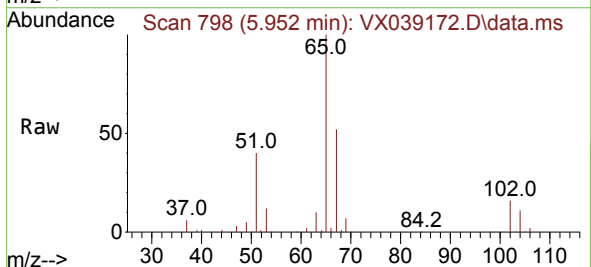
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ClientSampleId :
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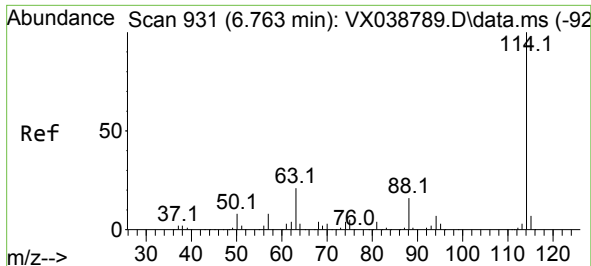
Tgt Ion	Ratio	Lower	Upper
56	100		
69	53.5	23.4	35.2#
84	58.1	65.9	98.9#



#33
1,2-Dichloroethane-d4
Concen: 53.794 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	100.2

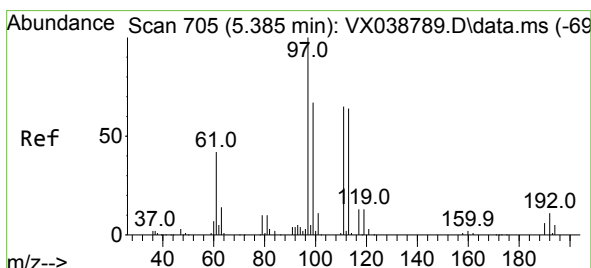
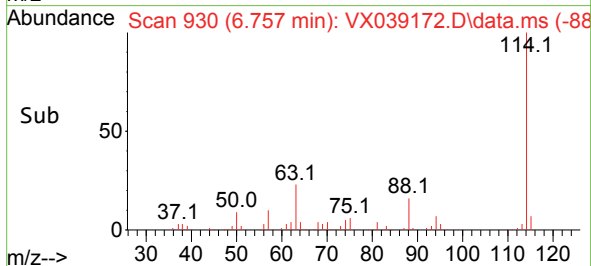
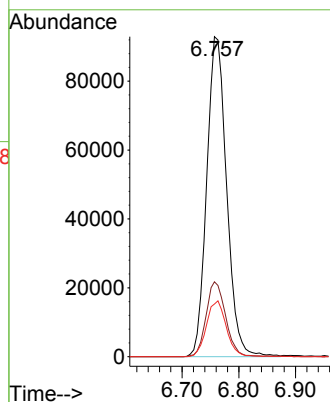
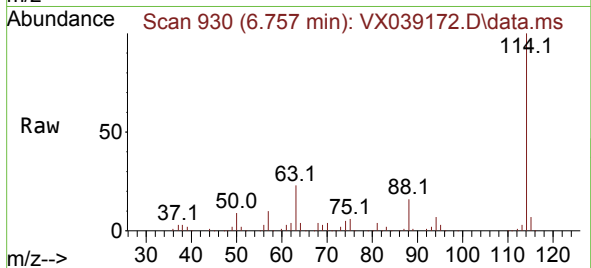




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

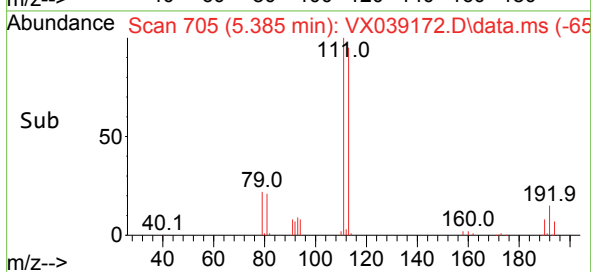
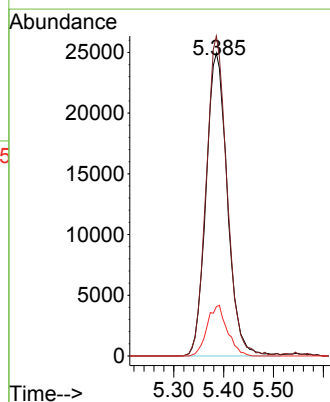
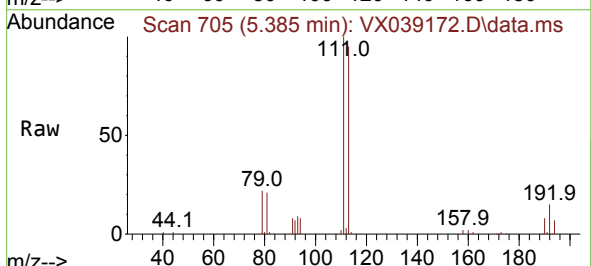
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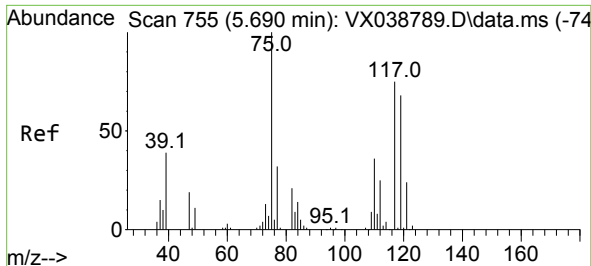
Tgt Ion:114 Resp: 226662
Ion Ratio Lower Upper
114 100
63 23.4 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.277 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion:113 Resp: 74119
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 15.9 13.3 19.9

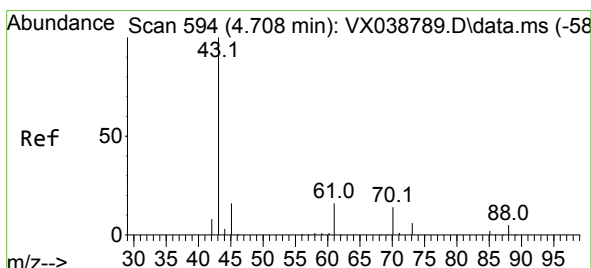
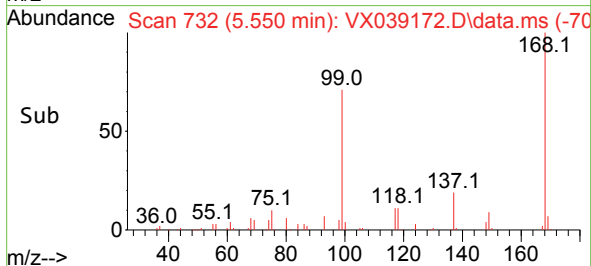
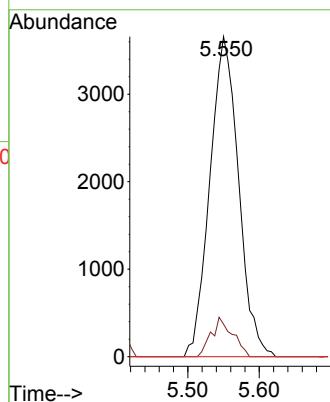
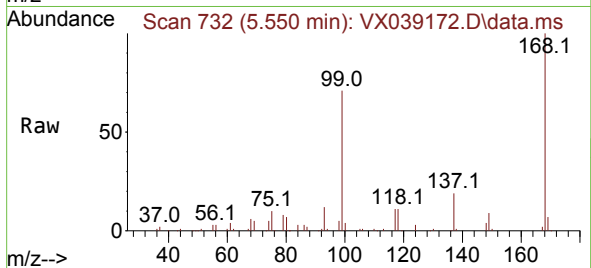




#36
1,1-Dichloropropene
Concen: 4.344 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

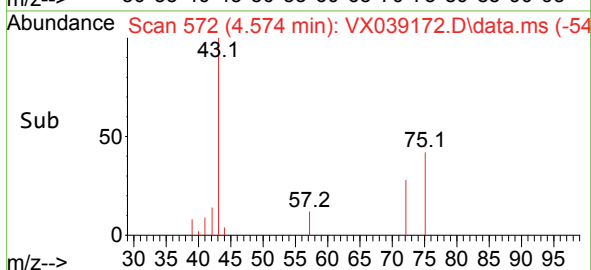
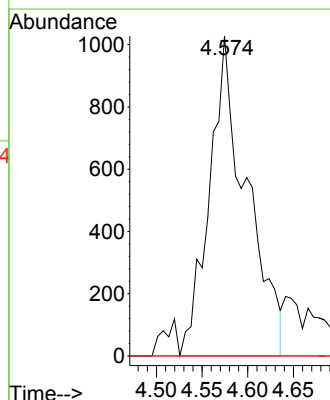
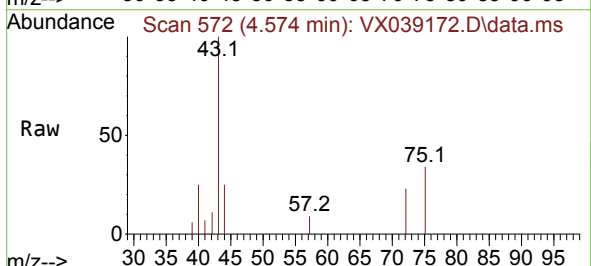
Instrument :
MSVOA_X
ClientSampleId :
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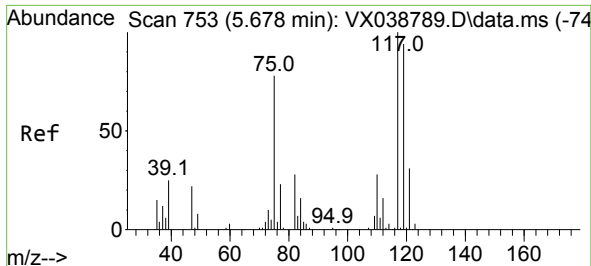
Tgt Ion: 75 Resp: 10193
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.950 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.134 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

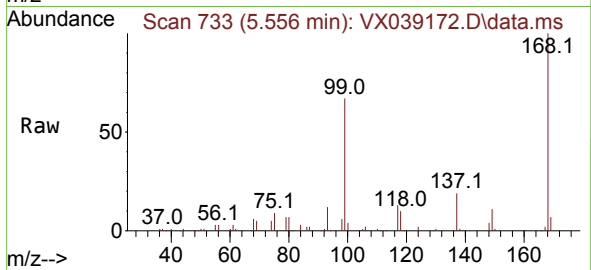
Tgt Ion: 43 Resp: 2903
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



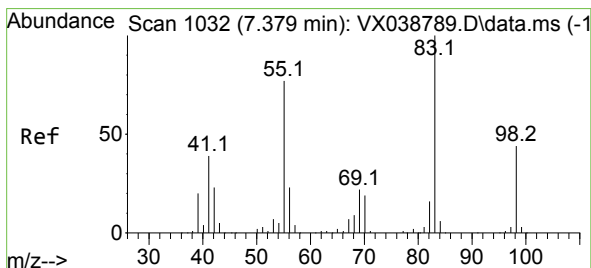
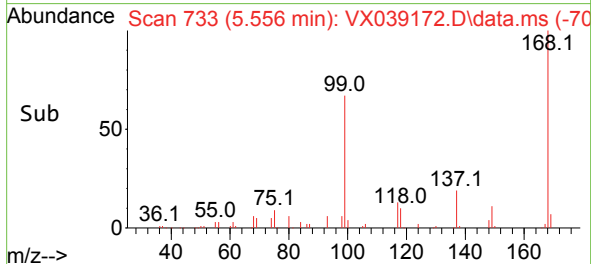
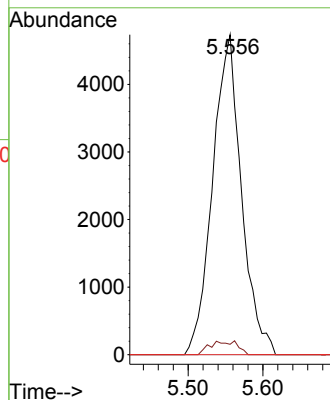


#38
Carbon Tetrachloride
Concen: 5.850 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Instrument :
MSVOA_X
ClientSampleId :
OF-2

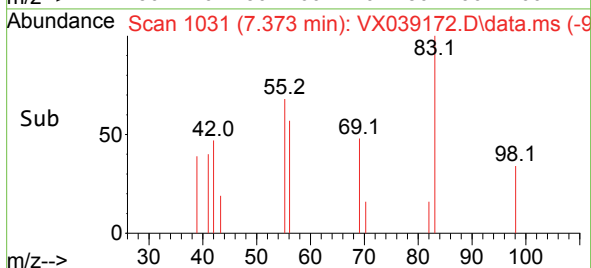
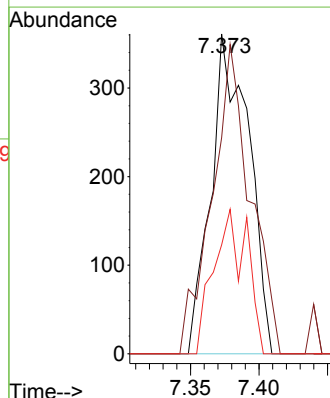
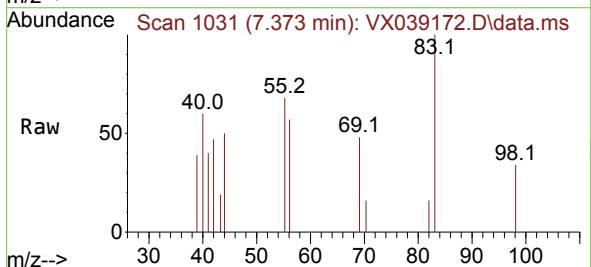


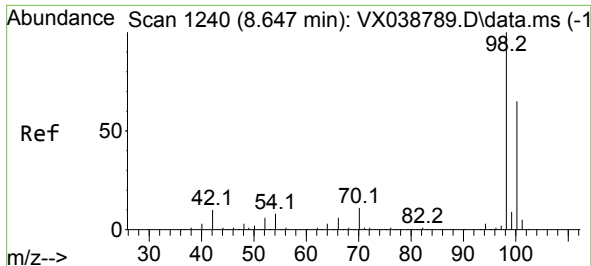
Tgt Ion:117 Resp: 12686
Ion Ratio Lower Upper
117 100
119 3.3 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.227 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion: 83 Resp: 695
Ion Ratio Lower Upper
83 100
55 67.6 64.6 97.0
98 34.1 36.7 55.1#

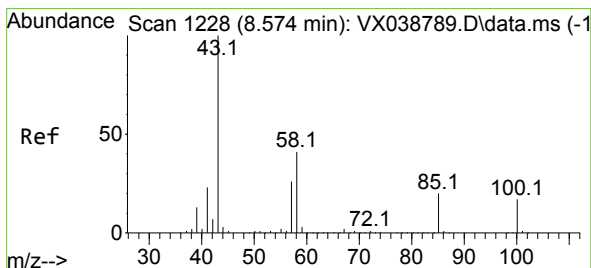
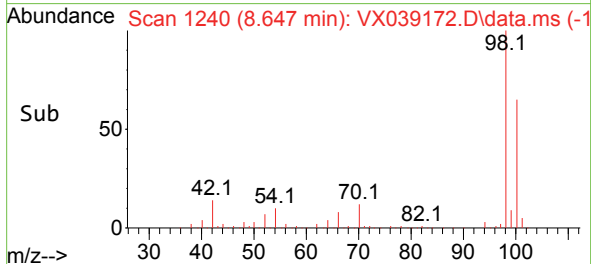
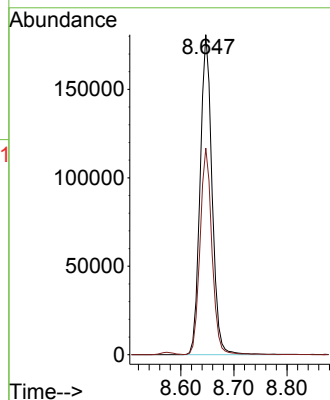
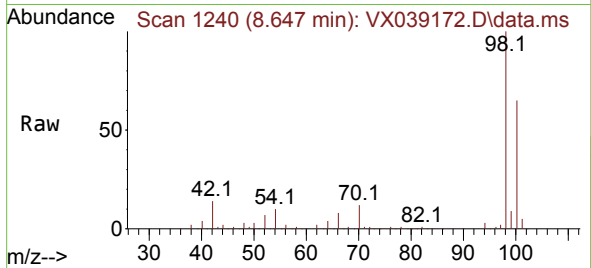




#50
Toluene-d8
Concen: 45.160 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

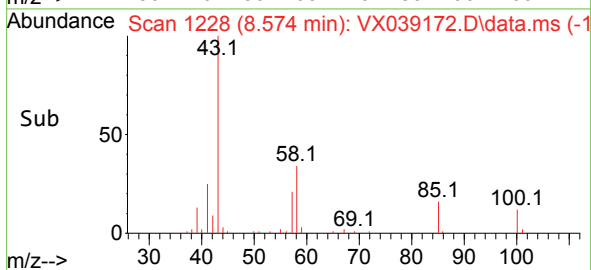
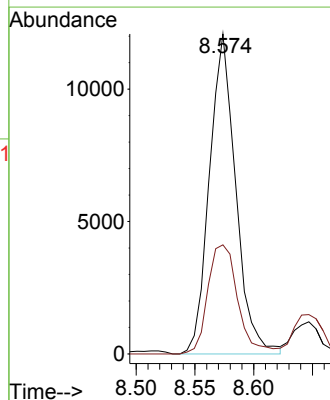
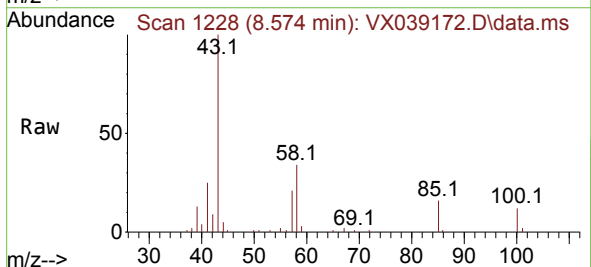
Instrument :
MSVOA_X
ClientSampleId :
OF-2

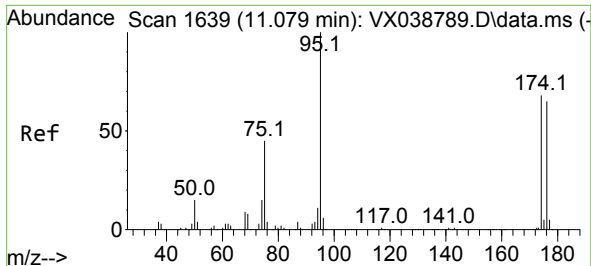
Tgt Ion: 98 Resp: 282848
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 6.034 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion: 43 Resp: 18838
Ion Ratio Lower Upper
43 100
58 38.6 30.4 45.6

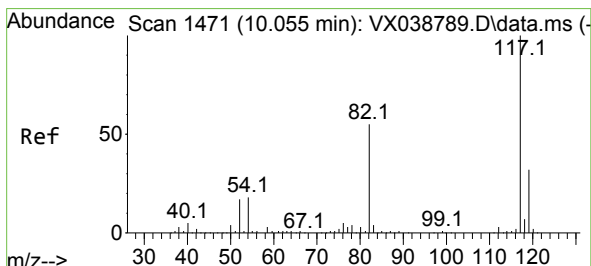
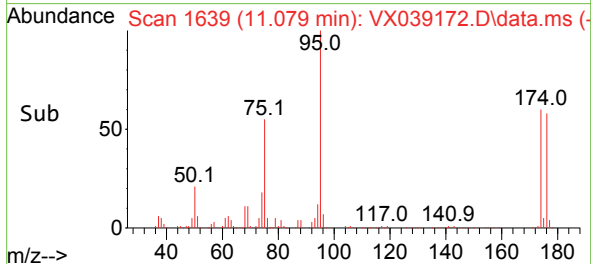
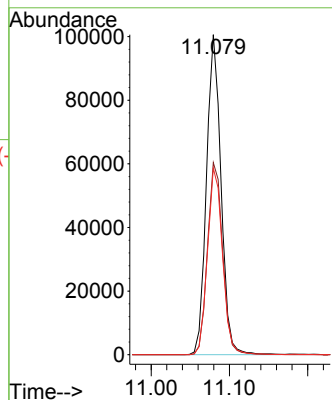
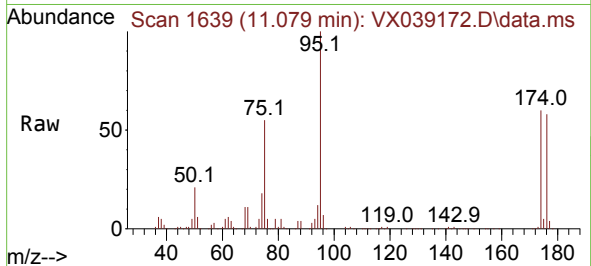




#62
4-Bromofluorobenzene
Concen: 51.637 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

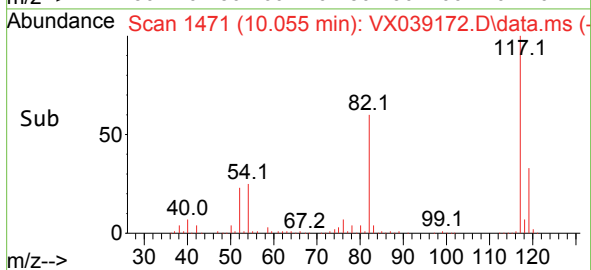
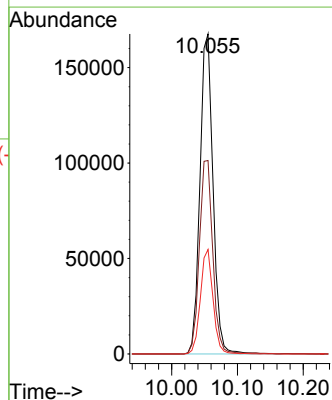
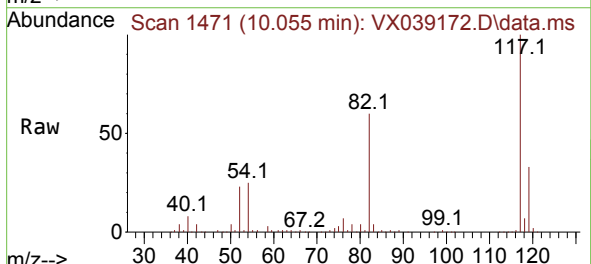
Instrument :
MSVOA_X
ClientSampleId :
OF-2

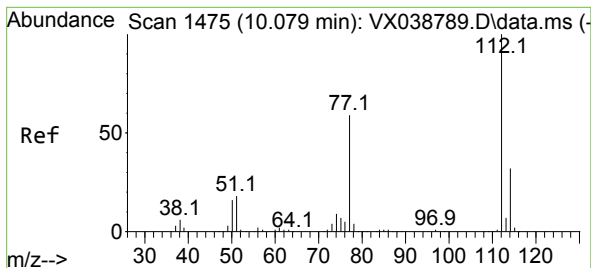
Tgt Ion: 95 Resp: 129465
Ion Ratio Lower Upper
95 100
174 62.5 0.0 135.6
176 60.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion: 117 Resp: 231340
Ion Ratio Lower Upper
117 100
82 60.4 46.2 69.4
119 32.6 25.5 38.3





#65

Chlorobenzene

Concen: 1.238 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX039172.D

Acq: 12 Dec 2023 17:43

Instrument :

MSVOA_X

ClientSampleId :

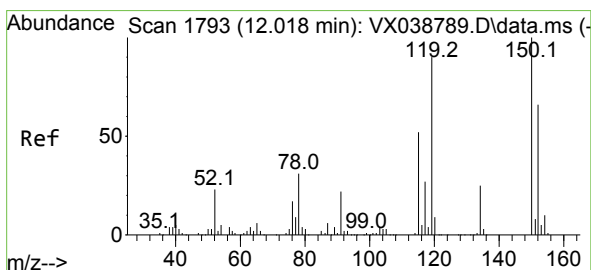
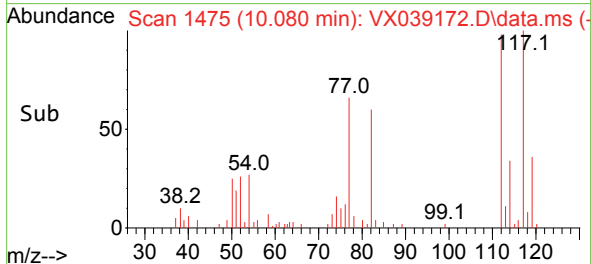
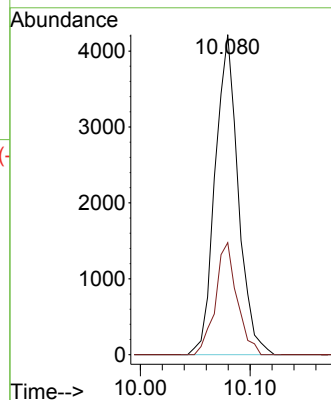
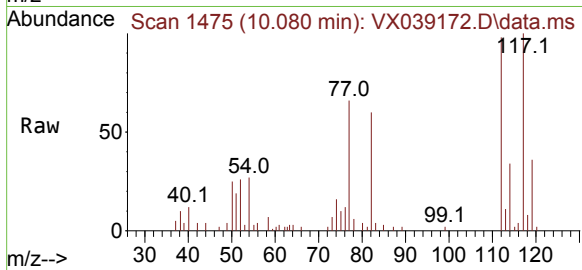
OF-2

Tgt Ion:112 Resp: 6171

Ion Ratio Lower Upper

112 100

114 35.0 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX039172.D

Acq: 12 Dec 2023 17:43

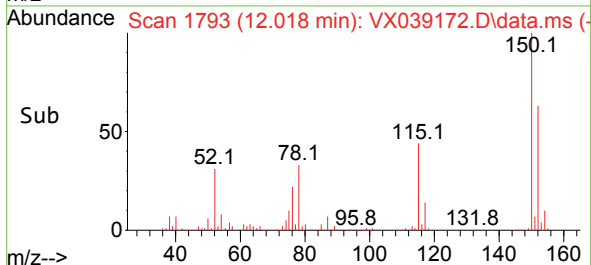
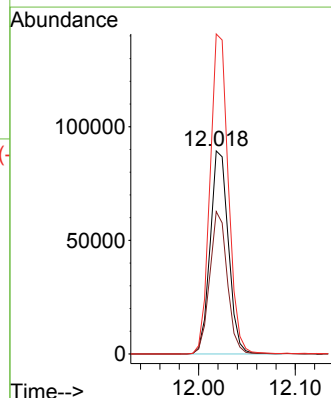
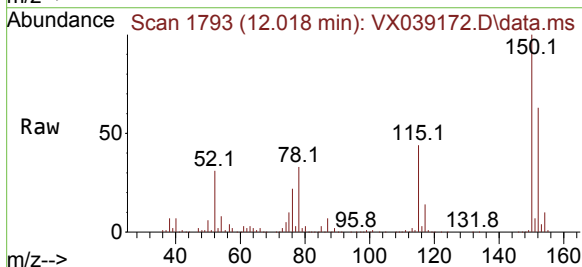
Tgt Ion:152 Resp: 116913

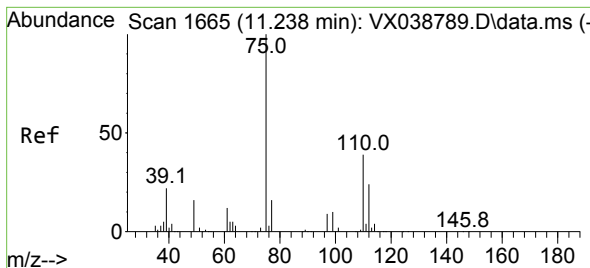
Ion Ratio Lower Upper

152 100

115 67.5 43.3 129.9

150 158.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.130 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039172.D

Acq: 12 Dec 2023 17:43

Instrument :

MSVOA_X

ClientSampleId :

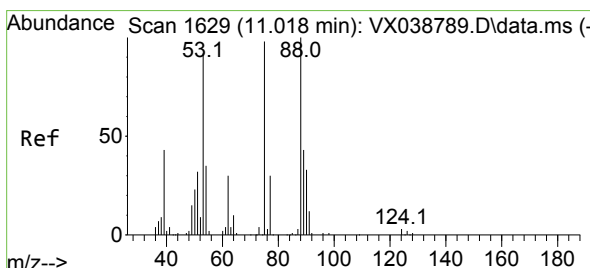
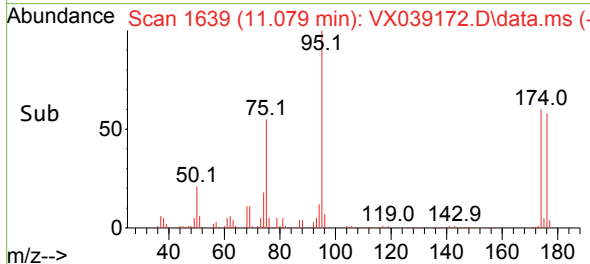
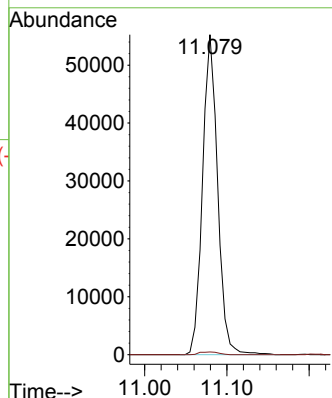
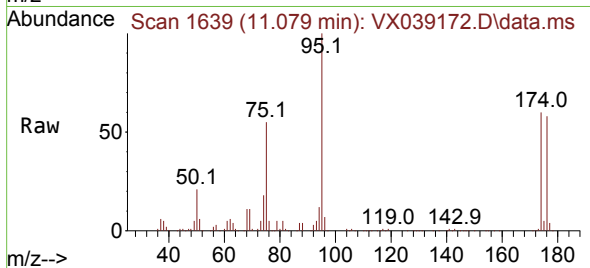
OF-2

Tgt Ion: 75 Resp: 70387

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.523 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039172.D

Acq: 12 Dec 2023 17:43

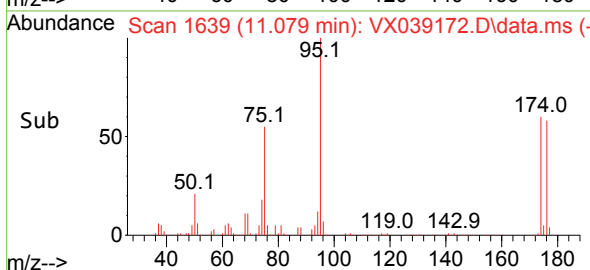
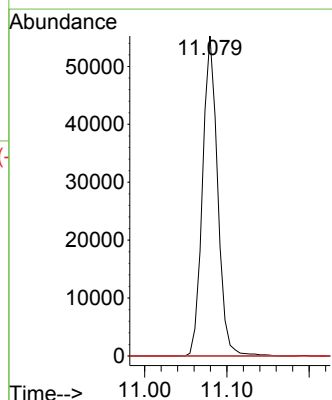
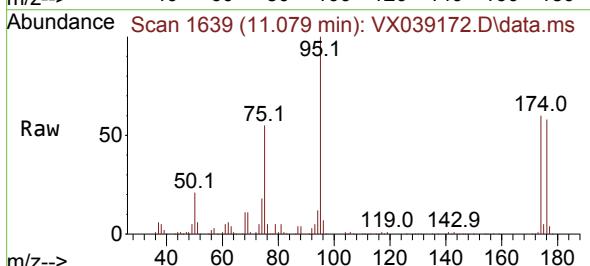
Tgt Ion: 75 Resp: 70387

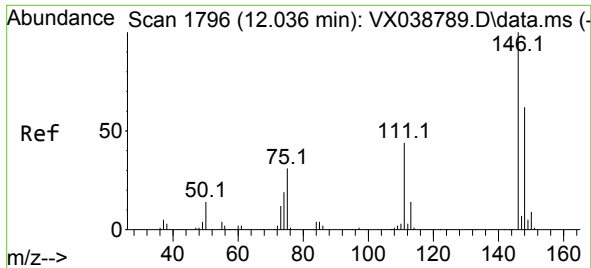
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

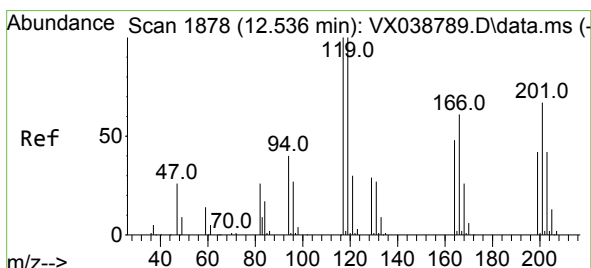
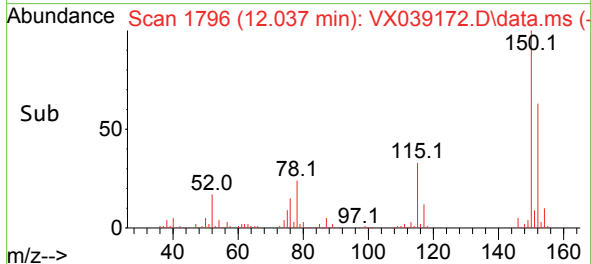
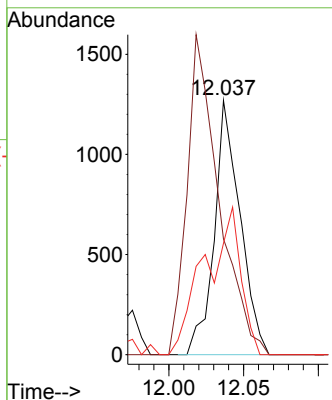
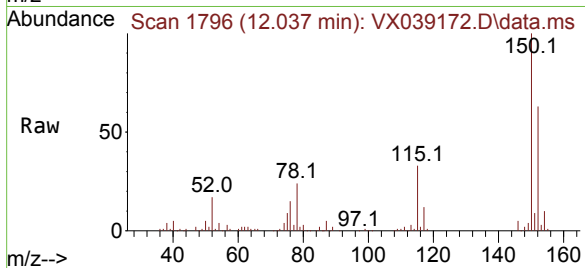




#88
1,4-Dichlorobenzene
Concen: 0.371 ug/l
RT: 12.037 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Instrument :
MSVOA_X
ClientSampleId :
OF-2

Tgt Ion:146 Resp: 1520
Ion Ratio Lower Upper
146 100
111 0.0 21.3 63.7#
148 81.4 31.8 95.4



#90
Hexachloroethane
Concen: 0.576 ug/l
RT: 12.616 min Scan# 1891
Delta R.T. 0.079 min
Lab File: VX039172.D
Acq: 12 Dec 2023 17:43

Tgt Ion:117 Resp: 911
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

