

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034324.D
 Acq On : 03 Mar 2023 15:47
 Operator : JC/MD
 Sample : PB151167ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 22:14:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

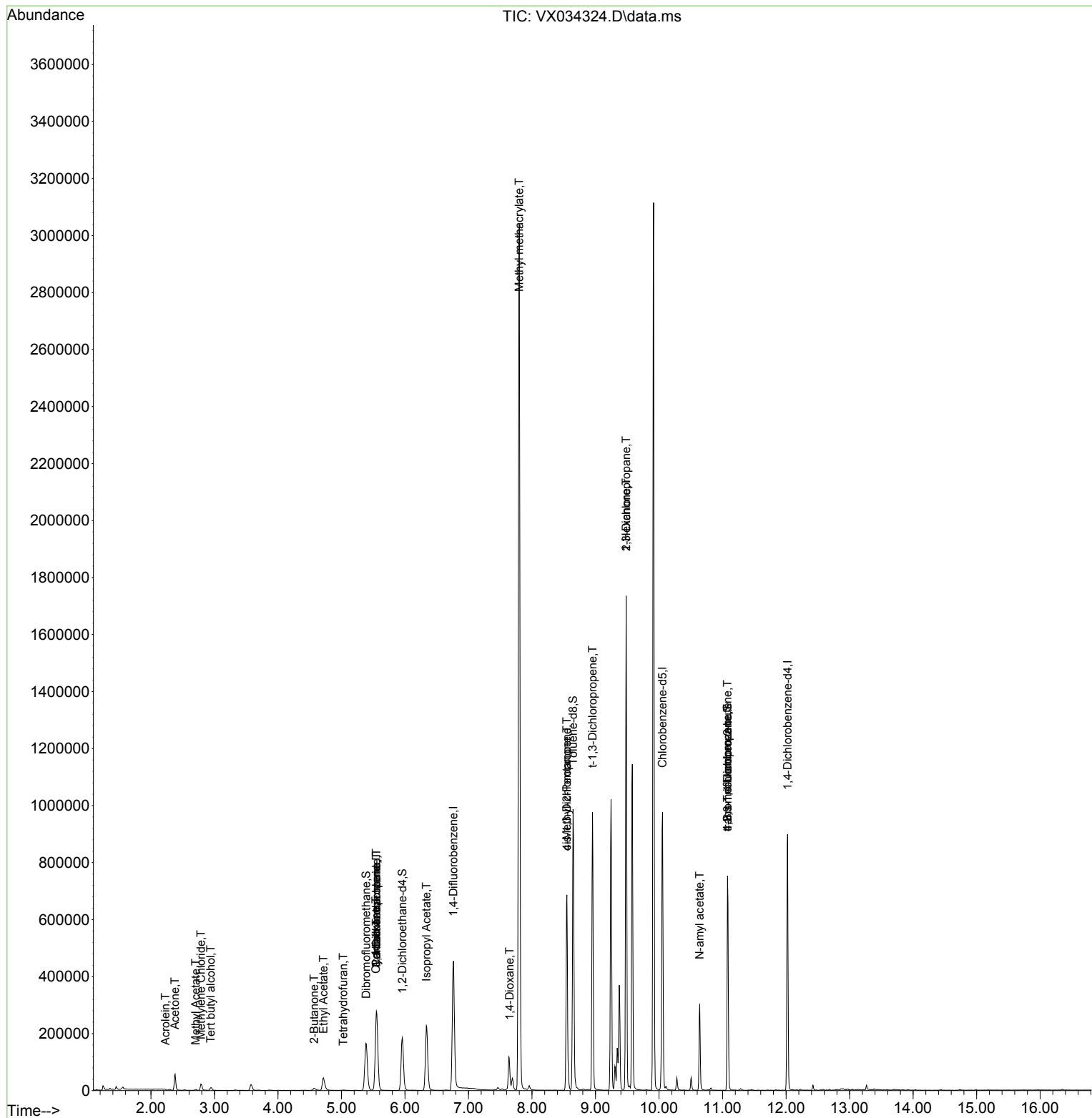
Internal Standards						
1) Pentafluorobenzene	5.550	168	275307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	462452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	431438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	192502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170229	45.912	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.820%		
35) Dibromofluoromethane	5.385	113	144936	48.135	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.280%		
50) Toluene-d8	8.647	98	566921	52.441	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.880%		
62) 4-Bromofluorobenzene	11.079	95	199269	48.190	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.380%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	144	Below Cal		94
11) Tert butyl alcohol	2.940	59	6519	7.861 ug/l #		91
13) Acrolein	2.227	56	175	0.462 ug/l		87
16) Acetone	2.380	43	61129	31.961 ug/l		100
18) Methyl Acetate	2.703	43	4591	0.776 ug/l		98
20) Methylene Chloride	2.788	84	11644	3.379 ug/l		97
25) 2-Butanone	4.568	43	7007	2.532 ug/l		91
29) Tetrahydrofuran	5.025	42	854	0.506 ug/l #		50
31) Cyclohexane	5.544	56	6091	1.100 ug/l #		41
36) 1,1-Dichloropropene	5.550	75	20365	4.573 ug/l #		48
37) Ethyl Acetate	4.714	43	79086	15.891 ug/l		99
38) Carbon Tetrachloride	5.550	117	25989	5.672 ug/l #		15
43) Isopropyl Acetate	6.336	43	323383	36.823 ug/l		99
48) Methyl methacrylate	7.799	41	253156	60.734 ug/l #		45
49) 1,4-Dioxane	7.647	88	59	0.710 ug/l #		14
51) 4-Methyl-2-Pentanone	8.549	43	242445	50.178 ug/l #		49
53) t-1,3-Dichloropropene	8.952	75	1891	0.346 ug/l #		43
54) cis-1,3-Dichloropropene	8.549	75	111270	19.031 ug/l #		59
57) 1,3-Dichloropropane	9.482	76	13854	2.467 ug/l #		43
59) 2-Hexanone	9.482	43	196582	53.386 ug/l #		50
74) N-amyl acetate	10.640	43	84143	11.416 ug/l #		50
76) 1,2,3-Trichloropropane	11.079	75	101962	21.050 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	101962	54.075 ug/l #		8

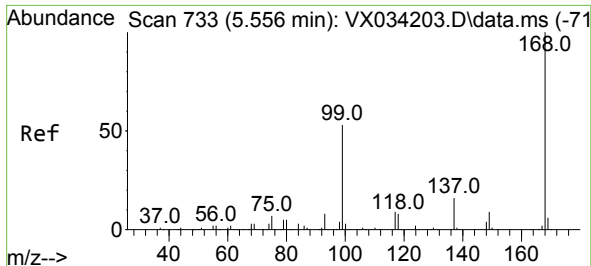
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

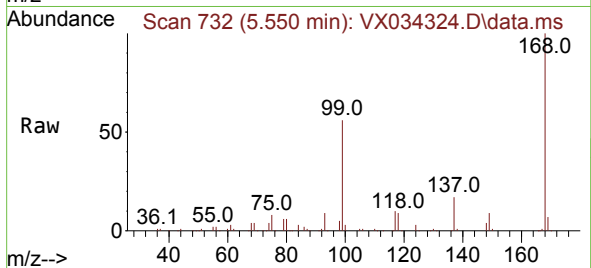
Quant Time: Mar 03 22:14:01 2023
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QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration



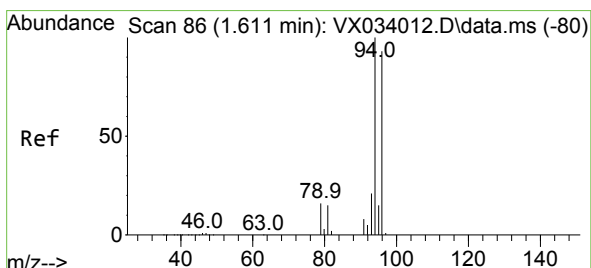
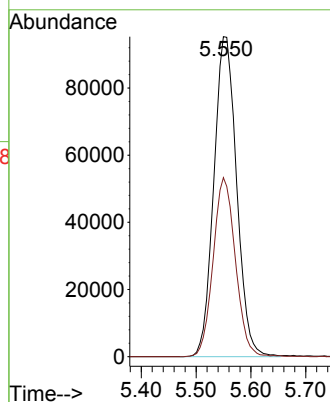
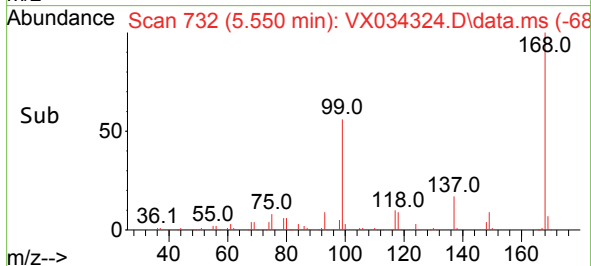


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Instrument :
MSVOA_X
ClientSampleId :

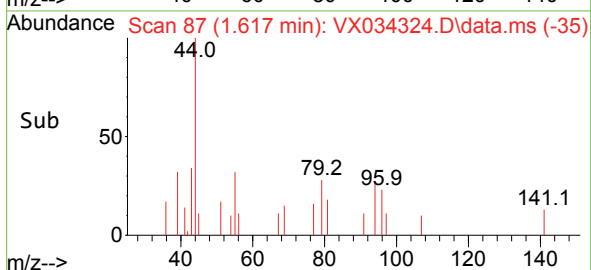
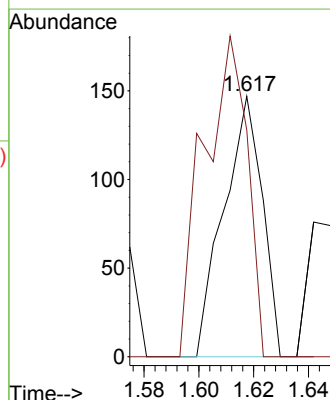
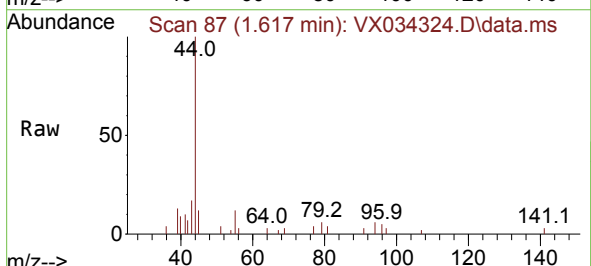


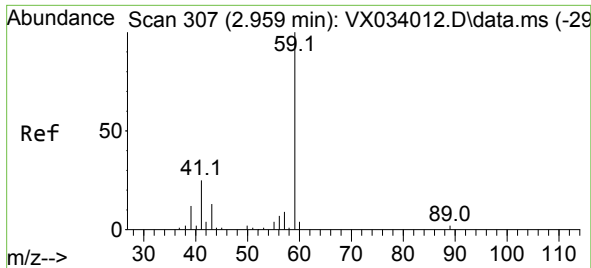
Tgt Ion:168 Resp: 275307
Ion Ratio Lower Upper
168 100
99 55.9 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Tgt Ion: 94 Resp: 144
Ion Ratio Lower Upper
94 100
96 87.1 74.3 111.5





#11

Tert butyl alcohol

Concen: 7.861 ug/l

RT: 2.940 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX034324.D

Acq: 03 Mar 2023 15:47

Instrument :

MSVOA_X

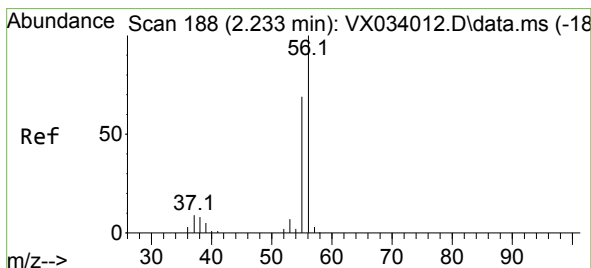
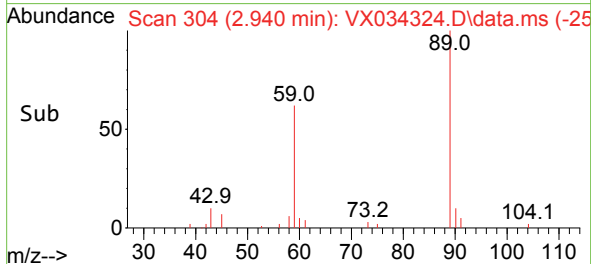
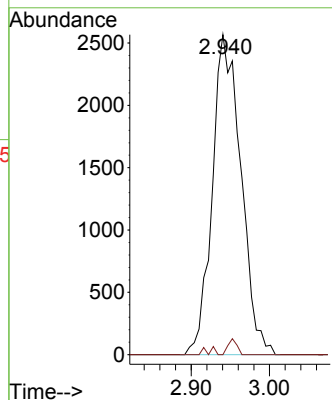
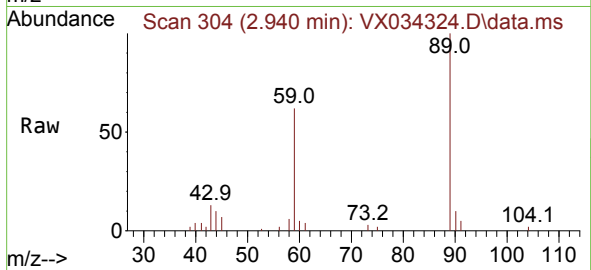
ClientSampleId :

Tgt Ion: 59 Resp: 6519

Ion Ratio Lower Upper

59 100

57 1.5 3.7 5.5#



#13

Acrolein

Concen: 0.462 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX034324.D

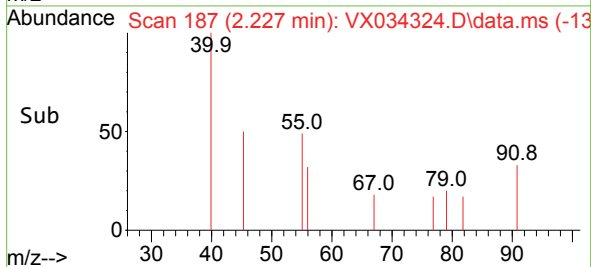
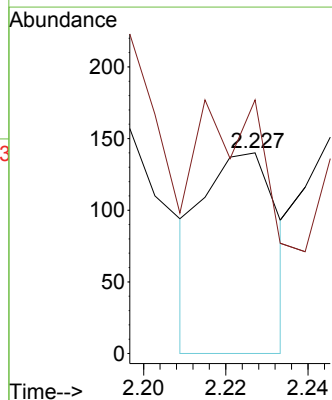
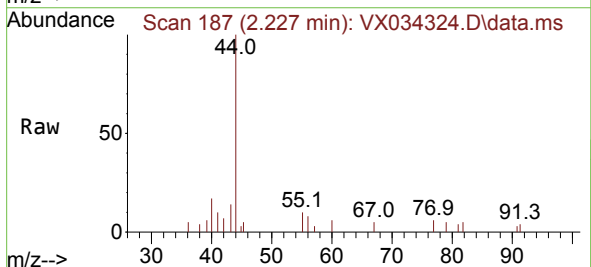
Acq: 03 Mar 2023 15:47

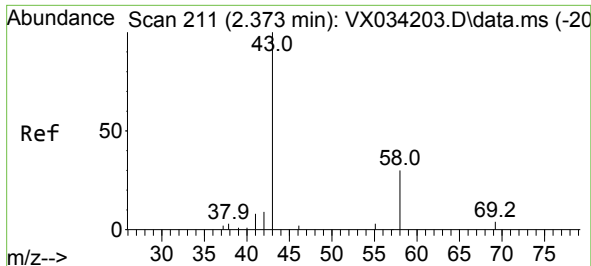
Tgt Ion: 56 Resp: 175

Ion Ratio Lower Upper

56 100

55 59.4 56.3 84.5

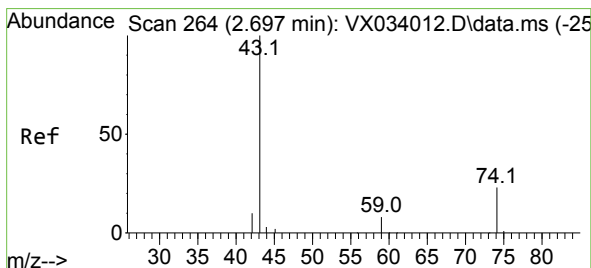
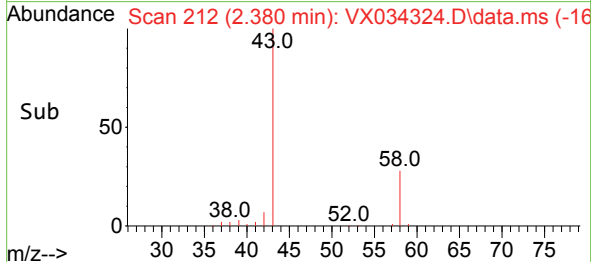
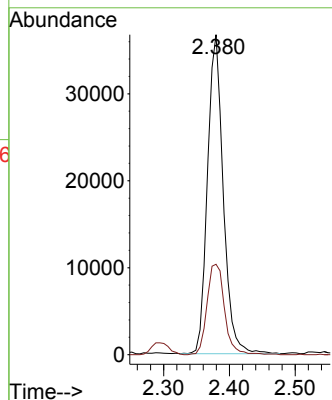
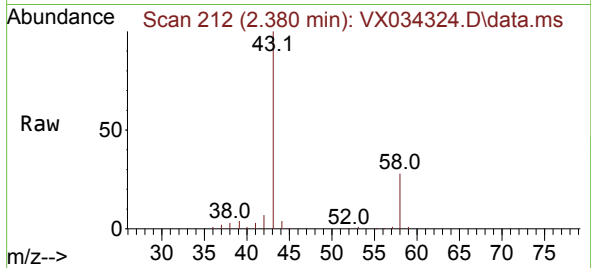




#16
Acetone
Concen: 31.961 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

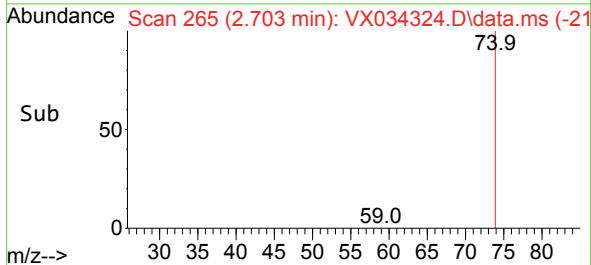
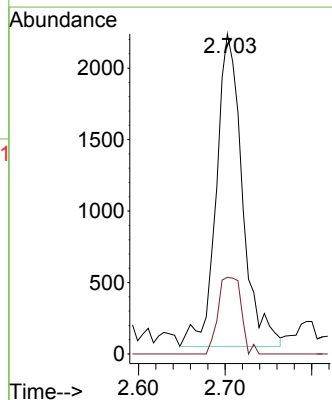
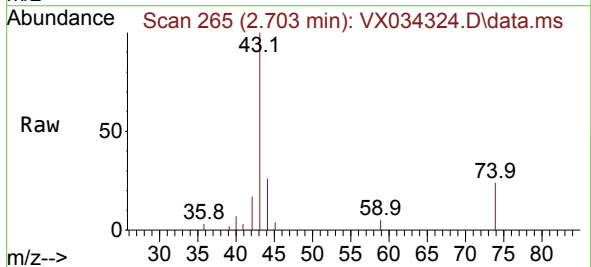
Instrument :
MSVOA_X
ClientSampleId :

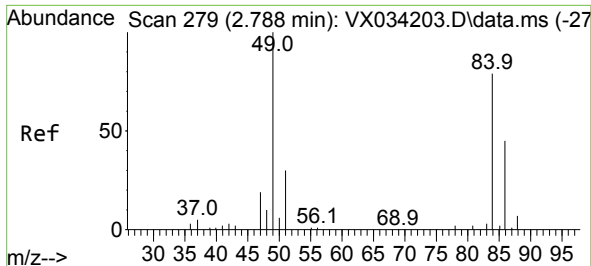
Tgt Ion: 43 Resp: 61129
Ion Ratio Lower Upper
43 100
58 28.3 22.6 33.8



#18
Methyl Acetate
Concen: 0.776 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

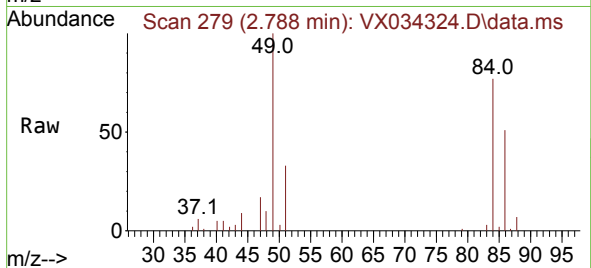
Tgt Ion: 43 Resp: 4591
Ion Ratio Lower Upper
43 100
74 21.7 18.2 27.4



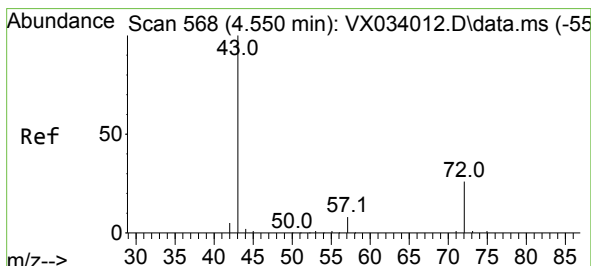
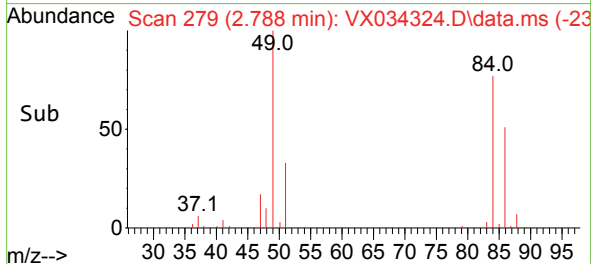
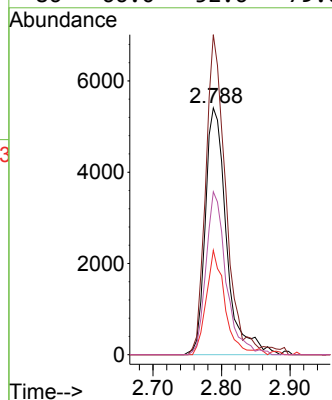


#20
Methylene Chloride
Concen: 3.379 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Instrument :
MSVOA_X
ClientSampleId :

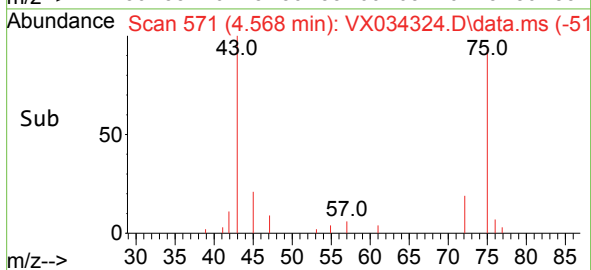
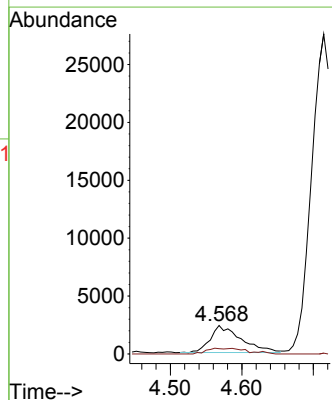
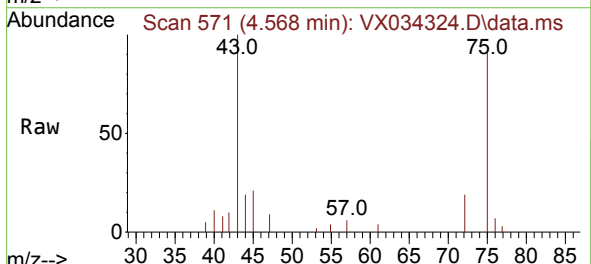


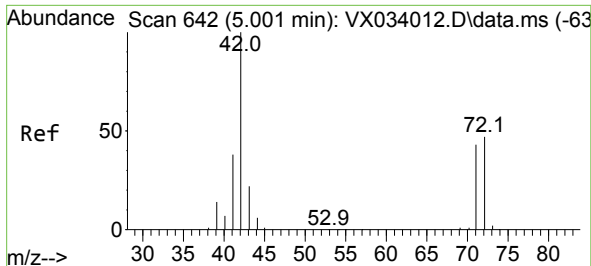
Tgt Ion: 84	Resp: 11644
Ion Ratio	Lower Upper
84 100	
49 129.7	101.1 151.7
51 42.3	31.0 46.6
86 66.0	52.6 79.0



#25
2-Butanone
Concen: 2.532 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Tgt Ion: 43	Resp: 7007		
Ion Ratio	Lower	Upper	
43 100			
72 19.8	19.4	29.2	





#29

Tetrahydrofuran

Concen: 0.506 ug/l

RT: 5.025 min Scan# 642

Delta R.T. 0.031 min

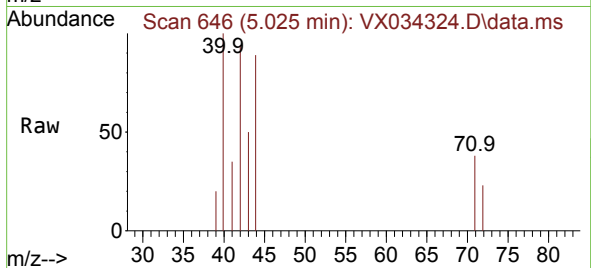
Lab File: VX034324.D

Acq: 03 Mar 2023 15:47

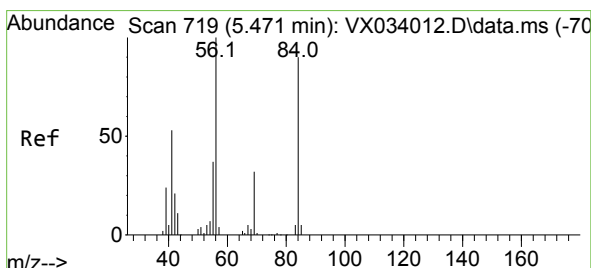
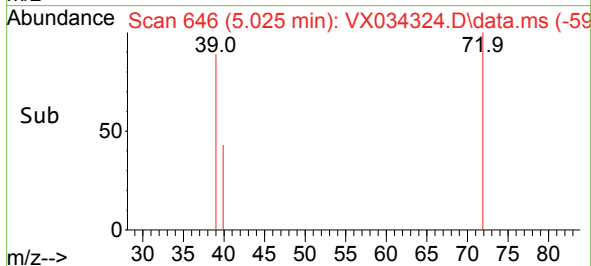
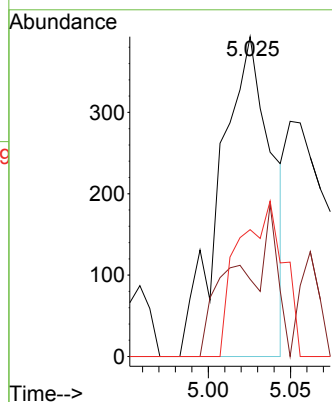
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	854
Ion Ratio	Lower	Upper	
42	100		
72	20.7	34.8	52.2#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.100 ug/l

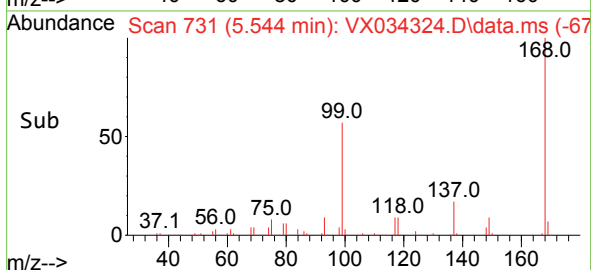
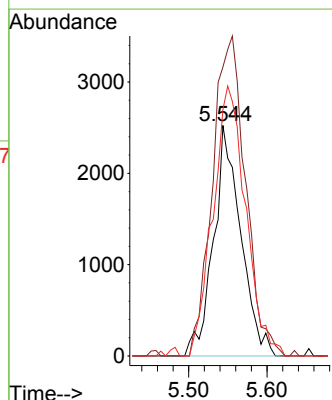
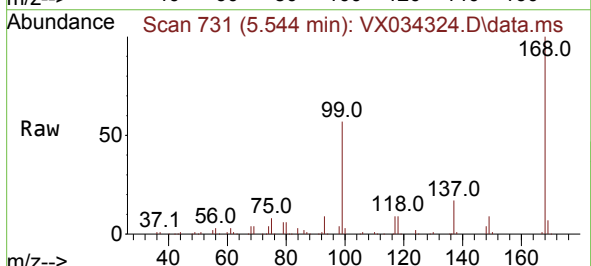
RT: 5.544 min Scan# 731

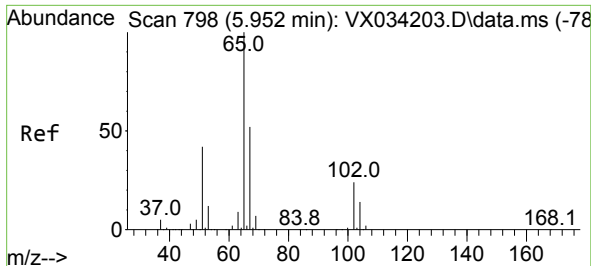
Delta R.T. 0.073 min

Lab File: VX034324.D

Acq: 03 Mar 2023 15:47

Tgt Ion:	56	Resp:	6091
Ion Ratio	Lower	Upper	
56	100		
69	125.4	24.6	37.0#
84	106.9	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.912 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034324.D

Acq: 03 Mar 2023 15:47

Instrument :

MSVOA_X

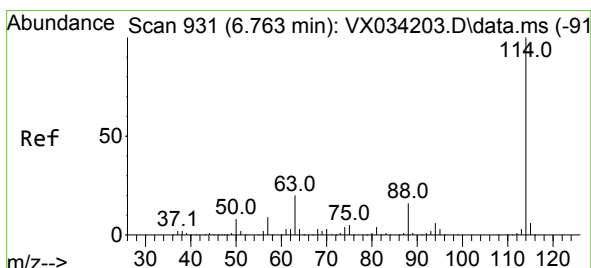
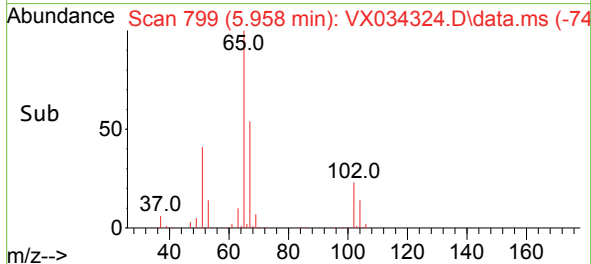
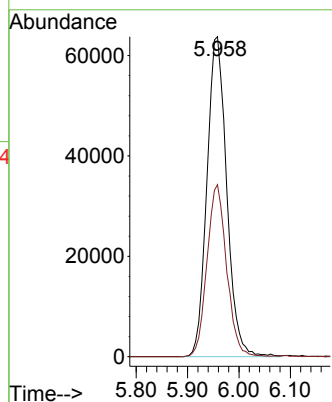
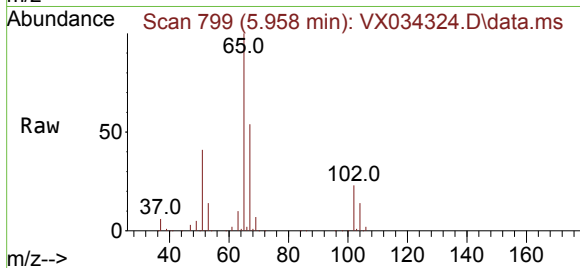
ClientSampleId :

Tgt Ion: 65 Resp: 170229

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034324.D

Acq: 03 Mar 2023 15:47

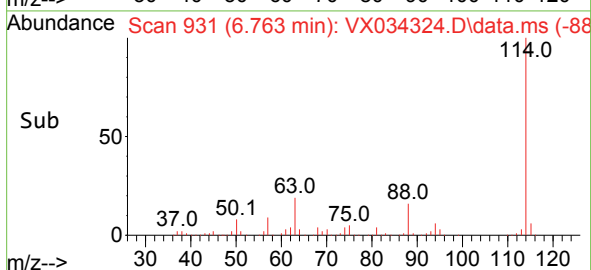
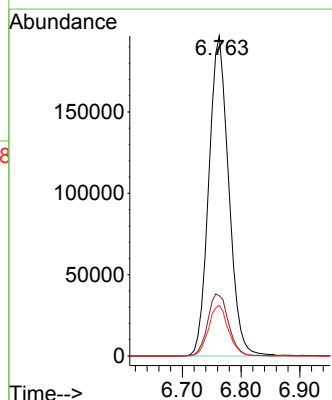
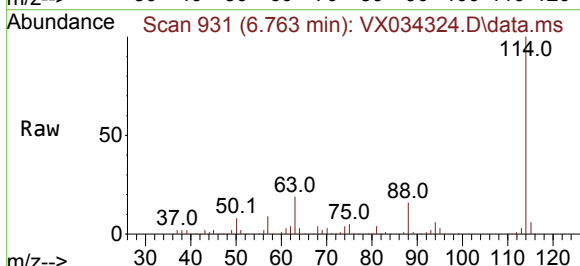
Tgt Ion: 114 Resp: 462452

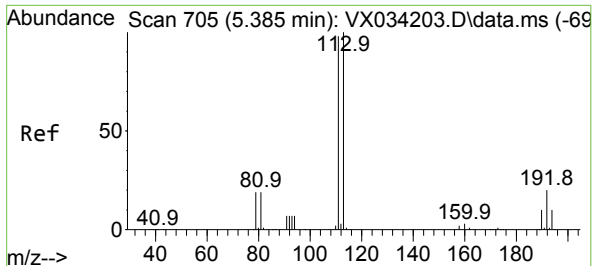
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

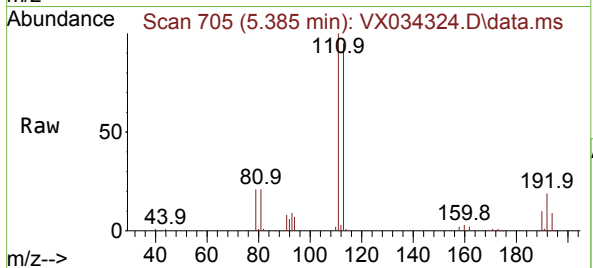
88 15.8 0.0 30.6



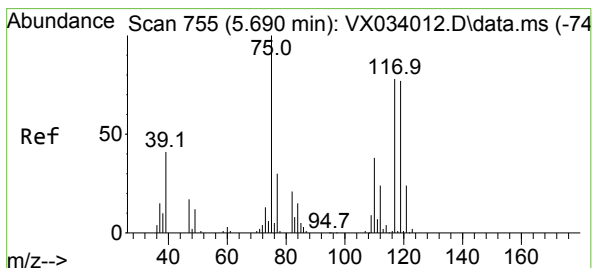
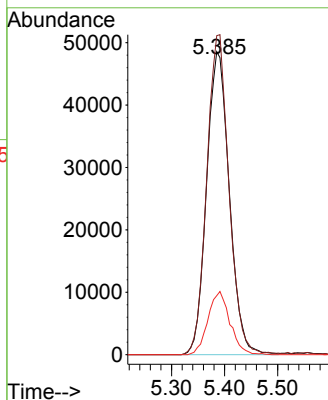
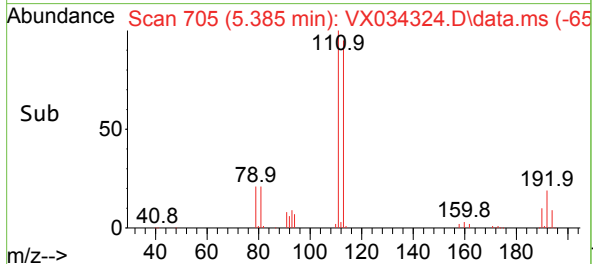


#35
Dibromofluoromethane
Concen: 48.135 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Instrument :
MSVOA_X
ClientSampleId :

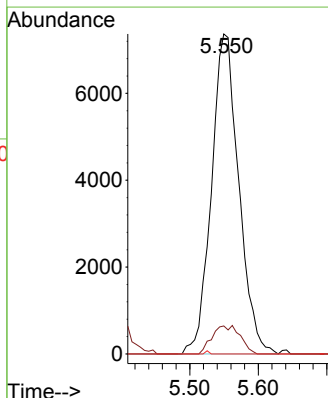
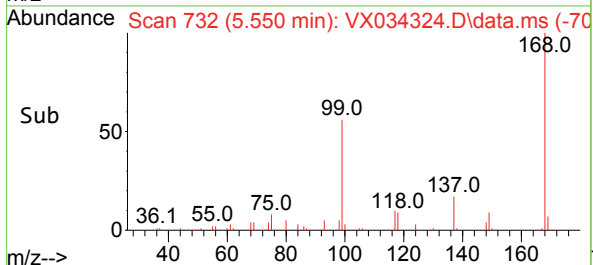
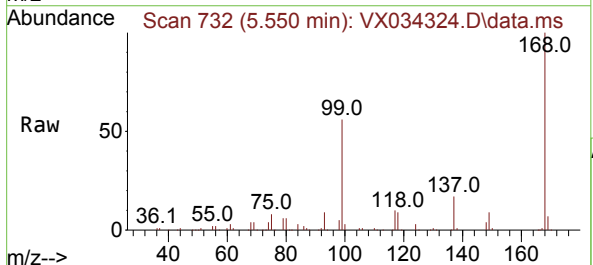


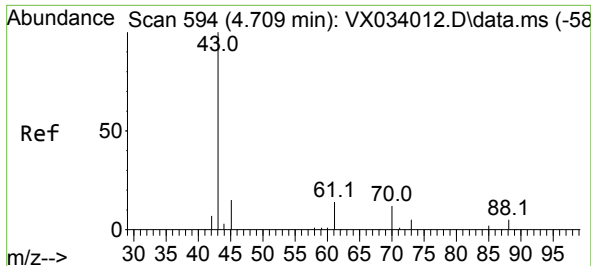
Tgt Ion:113 Resp: 144936
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.6
192 20.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.573 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Tgt Ion: 75 Resp: 20365
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 15.891 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

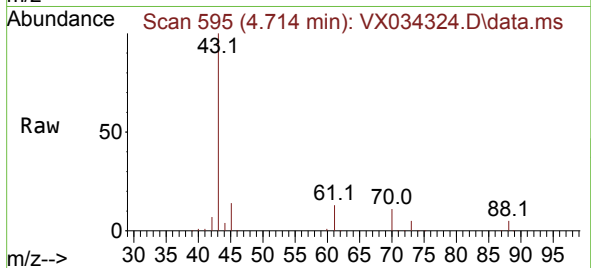
Lab File: VX034324.D

Acq: 03 Mar 2023 15:47

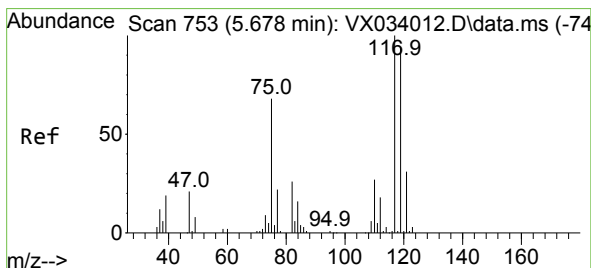
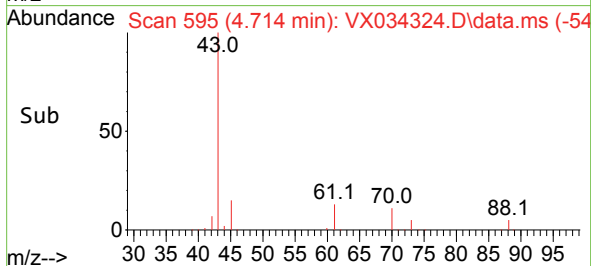
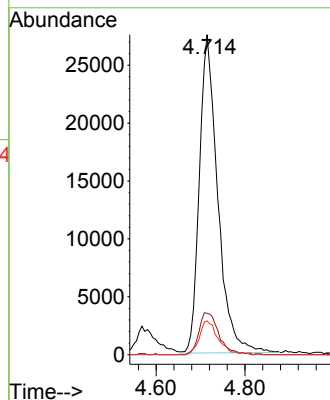
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 79086
Ion Ratio	Lower Upper
43	100
61	14.4 11.1 16.7
70	10.9 8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.672 ug/l

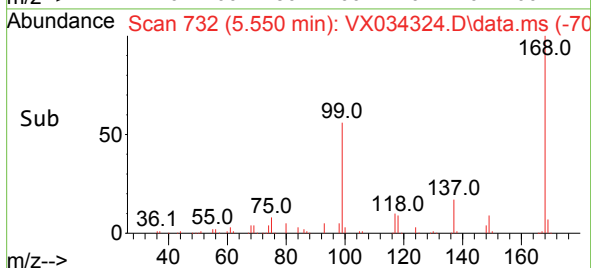
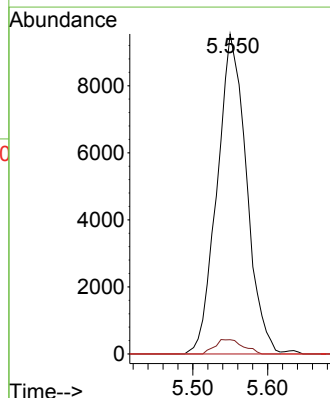
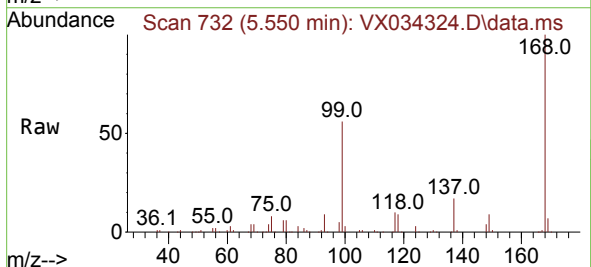
RT: 5.550 min Scan# 732

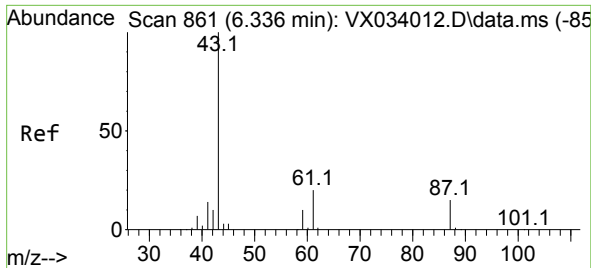
Delta R.T. -0.122 min

Lab File: VX034324.D

Acq: 03 Mar 2023 15:47

Tgt Ion: 117	Resp: 25989
Ion Ratio	Lower Upper
117	100
119	4.5 78.0 117.0#
121	0.0 24.4 36.6#

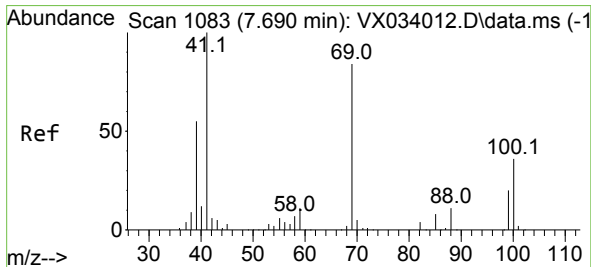
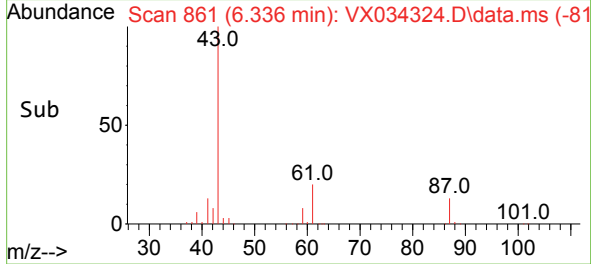
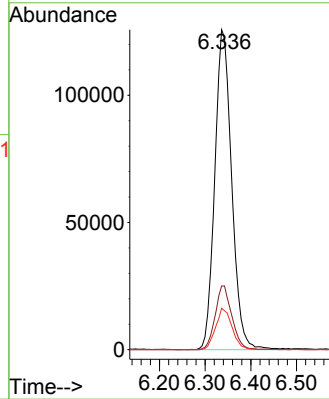
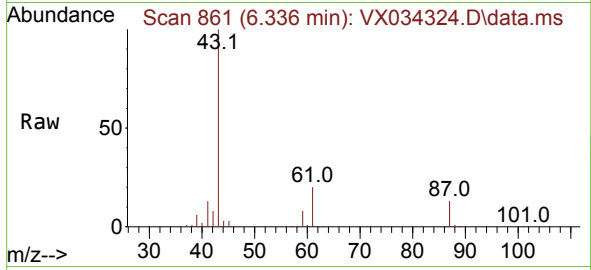




#43
Isopropyl Acetate
Concen: 36.823 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

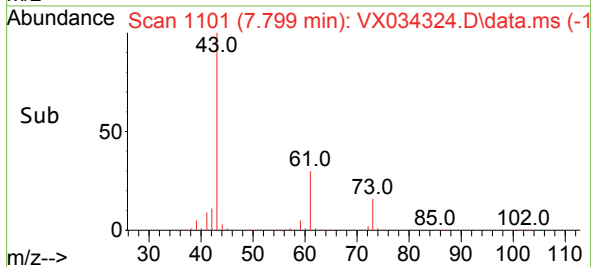
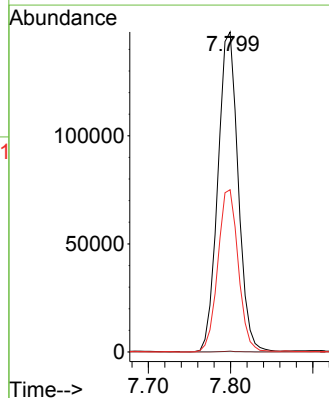
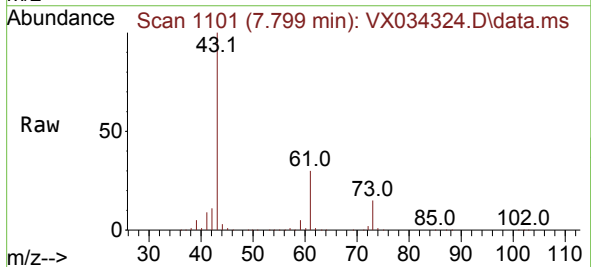
Instrument :
MSVOA_X
ClientSampleId :

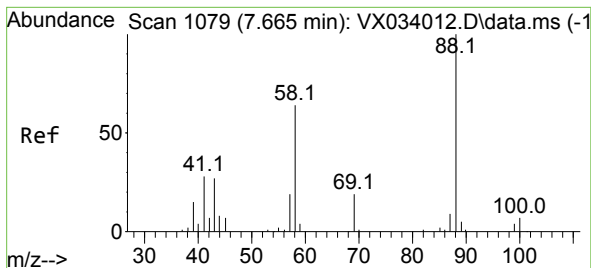
Tgt Ion: 43 Resp: 323383
Ion Ratio Lower Upper
43 100
61 19.7 15.7 23.5
87 12.7 10.6 15.8



#48
Methyl methacrylate
Concen: 60.734 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Tgt Ion: 41 Resp: 253156
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 51.3 43.2 64.8





#49

1,4-Dioxane

Concen: 0.710 ug/l

RT: 7.647 min Scan# 1079

Delta R.T. -0.006 min

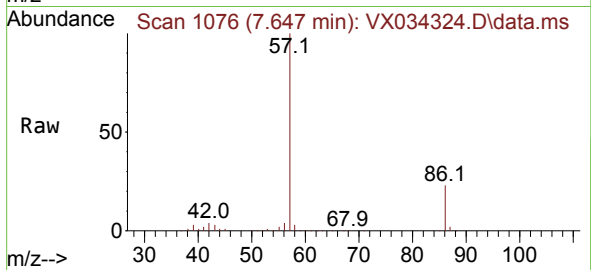
Lab File: VX034324.D

Acq: 03 Mar 2023 15:47

Instrument :

MSVOA_X

ClientSampleId :



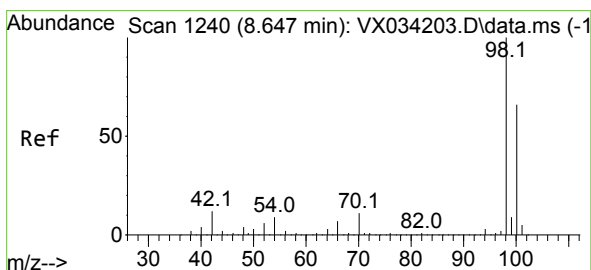
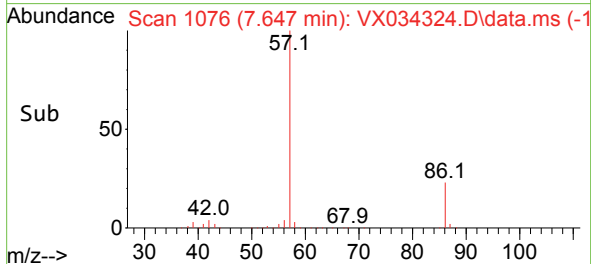
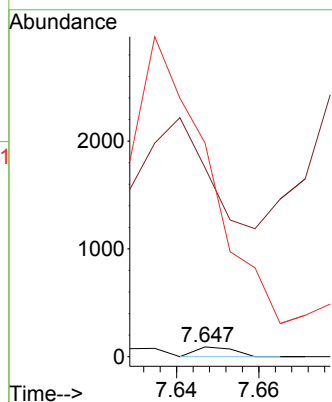
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 56.5 84.7#



#50

Toluene-d8

Concen: 52.441 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034324.D

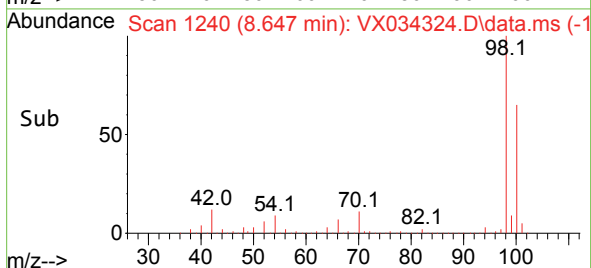
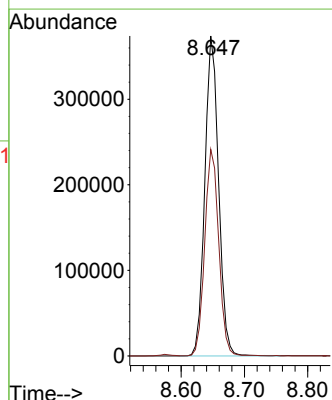
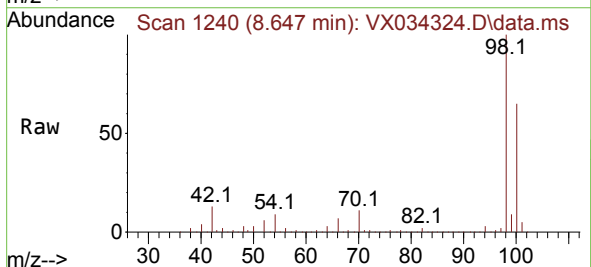
Acq: 03 Mar 2023 15:47

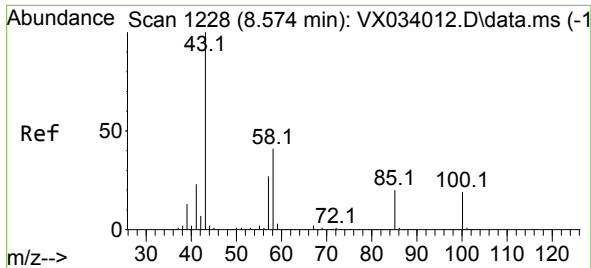
Tgt Ion: 98 Resp: 566921

Ion Ratio Lower Upper

98 100

100 65.6 53.6 80.4

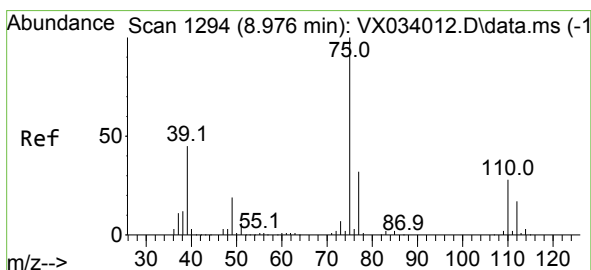
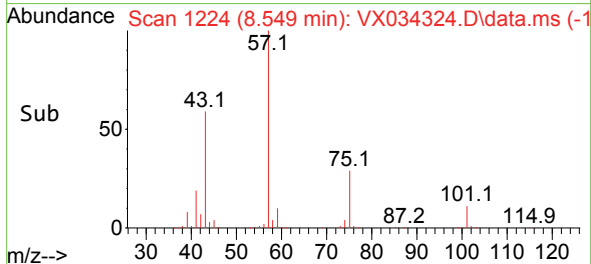
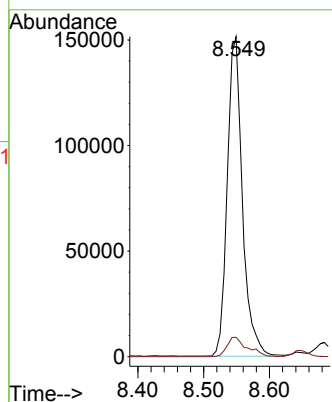
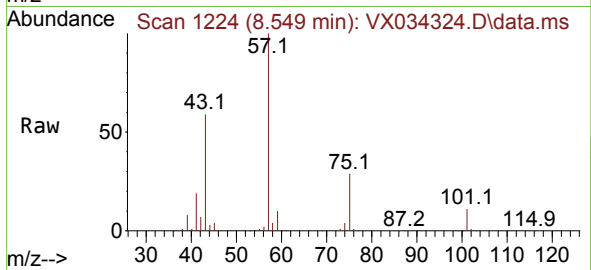




#51
4-Methyl-2-Pentanone
Concen: 50.178 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

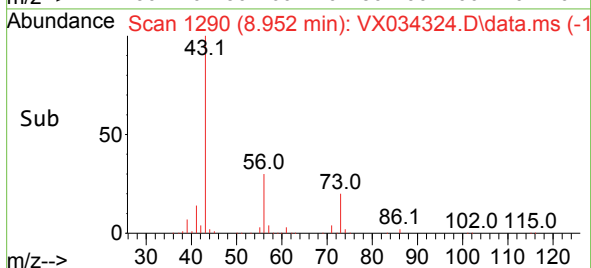
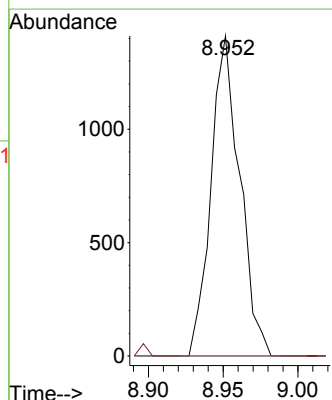
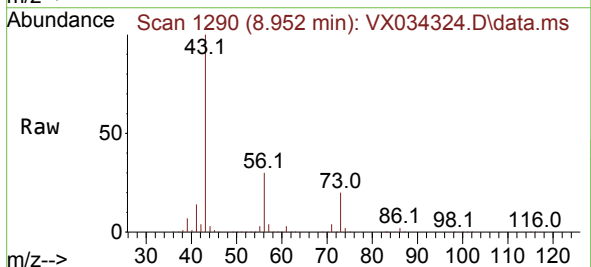
Instrument :
MSVOA_X
ClientSampleId :

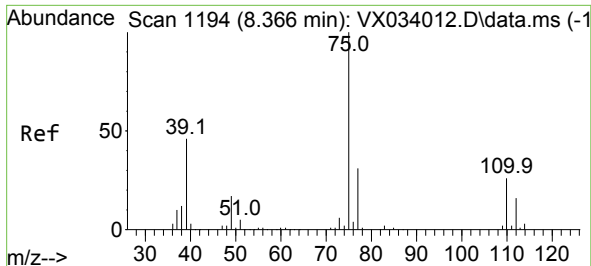
Tgt Ion: 43 Resp: 242445
Ion Ratio Lower Upper
43 100
58 8.1 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.346 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Tgt Ion: 75 Resp: 1891
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

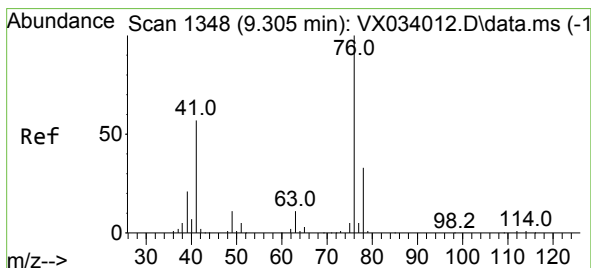
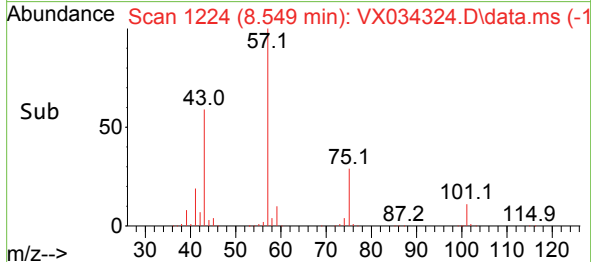
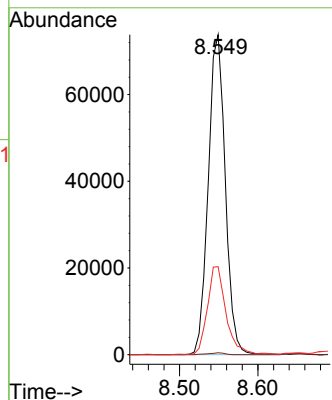
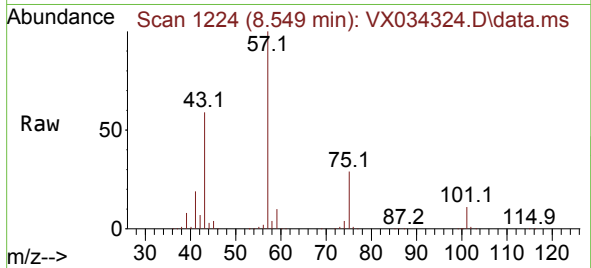




#54
 cis-1,3-Dichloropropene
 Concen: 19.031 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034324.D
 Acq: 03 Mar 2023 15:47

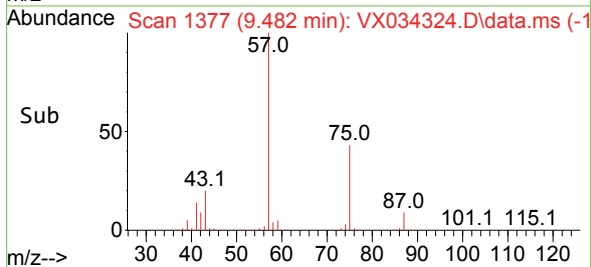
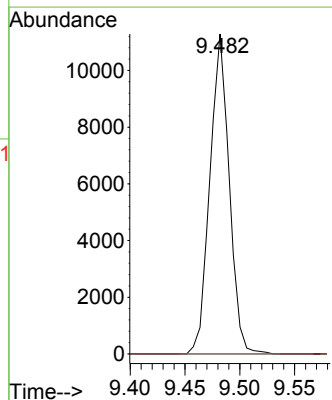
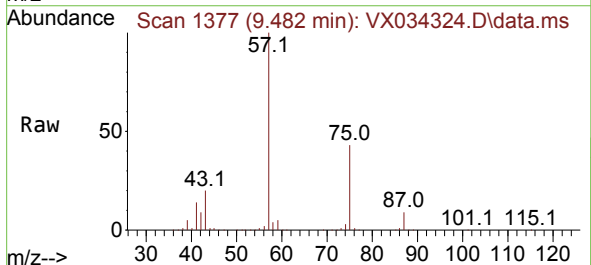
Instrument :
 MSVOA_X
 ClientSampleId :

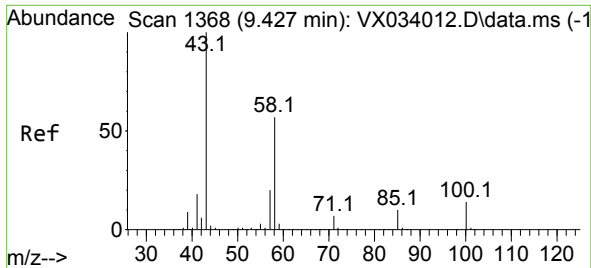
Tgt Ion: 75 Resp: 111270
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 27.4 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 2.467 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034324.D
 Acq: 03 Mar 2023 15:47

Tgt Ion: 76 Resp: 13854
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

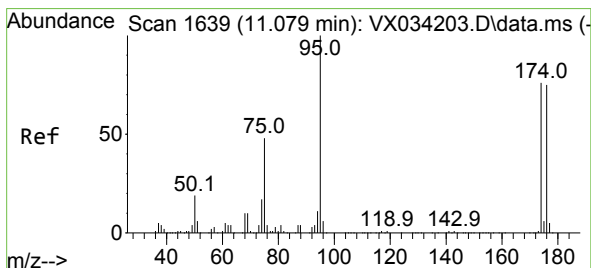
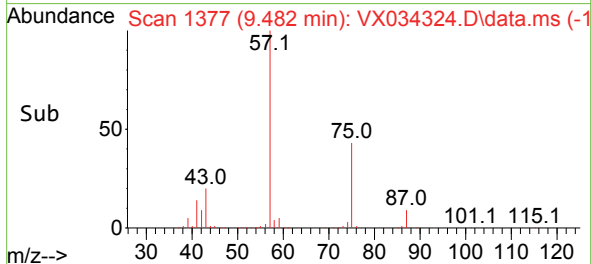
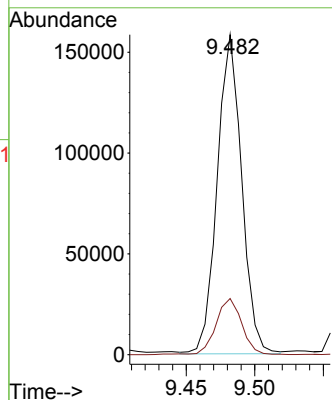
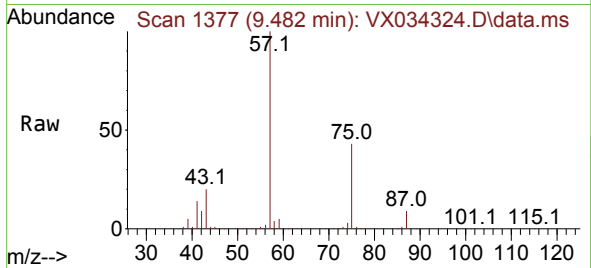




#59
2-Hexanone
Concen: 53.386 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

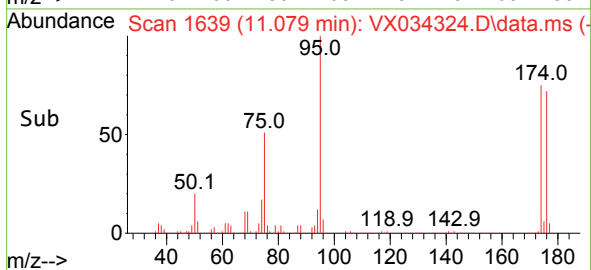
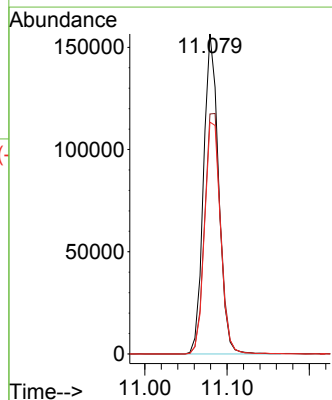
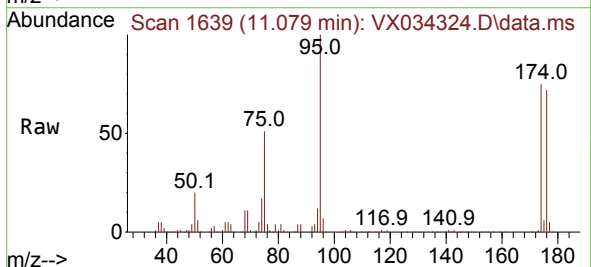
Instrument :
MSVOA_X
ClientSampleId :

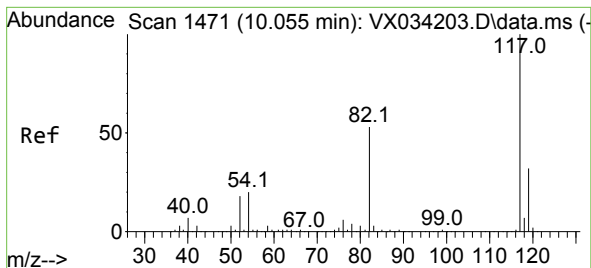
Tgt Ion: 43 Resp: 196582
Ion Ratio Lower Upper
43 100
58 18.7 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 48.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Tgt Ion: 95 Resp: 199269
Ion Ratio Lower Upper
95 100
174 80.0 0.0 184.4
176 76.7 0.0 178.8

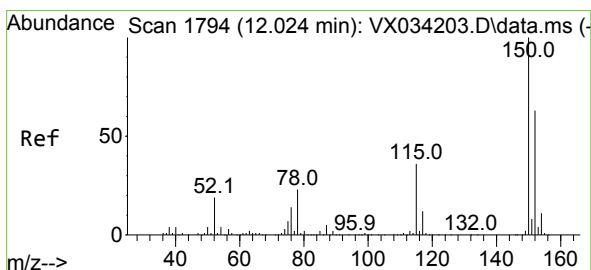
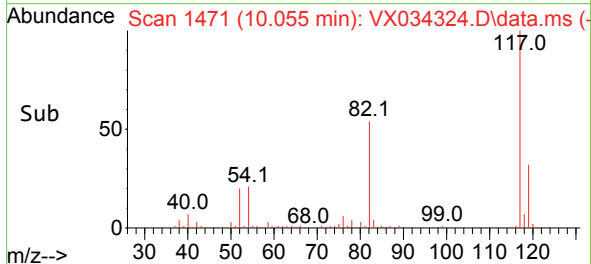
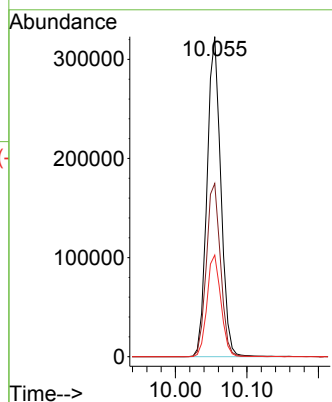
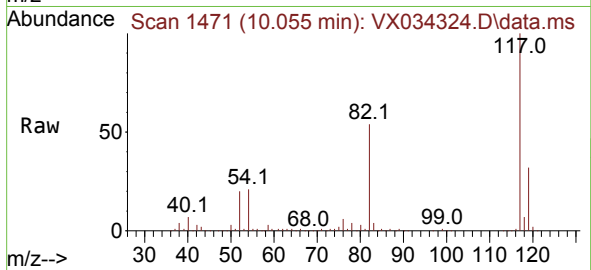




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

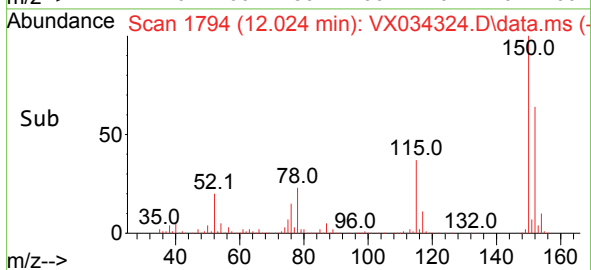
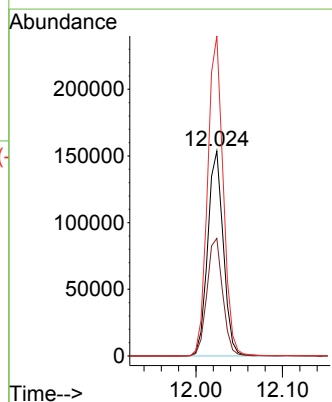
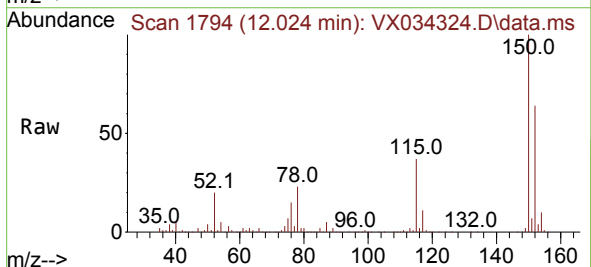
Instrument :
MSVOA_X
ClientSampleId :

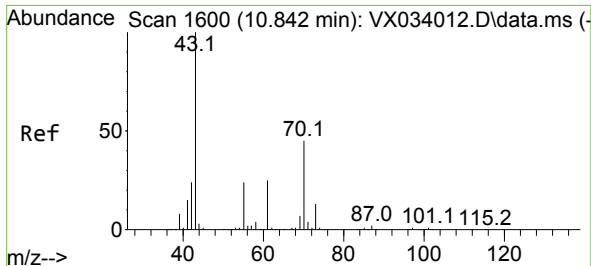
Tgt Ion:117 Resp: 431438
Ion Ratio Lower Upper
117 100
82 54.1 40.6 60.8
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

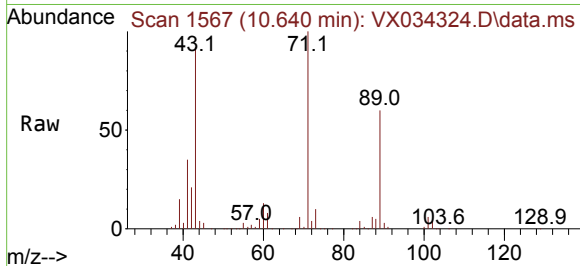
Tgt Ion:152 Resp: 192502
Ion Ratio Lower Upper
152 100
115 58.1 38.7 116.1
150 156.0 0.0 348.2



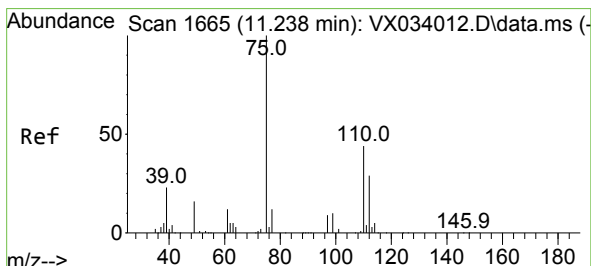
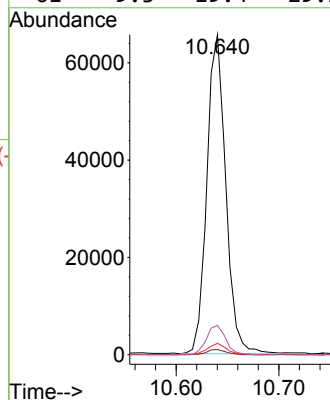
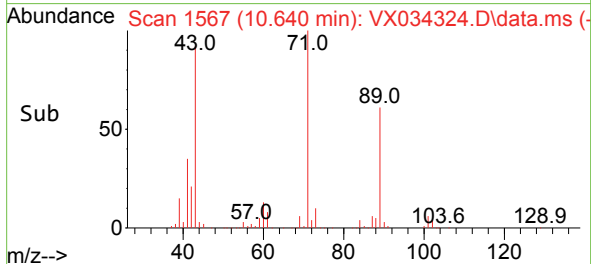


#74
N-amy1 acetate
Concen: 11.416 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

Instrument :
MSVOA_X
ClientSampleId :

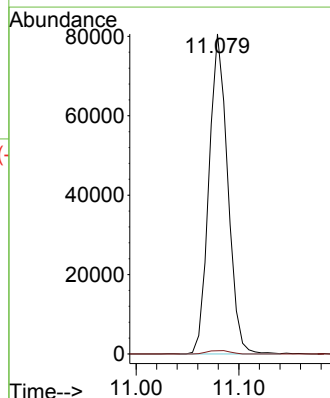
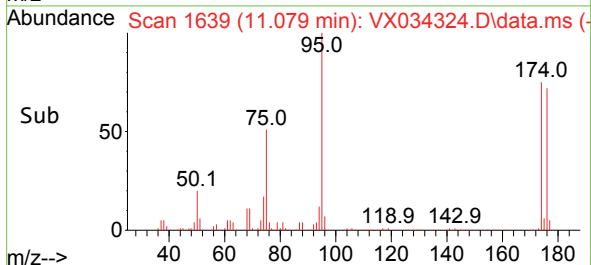
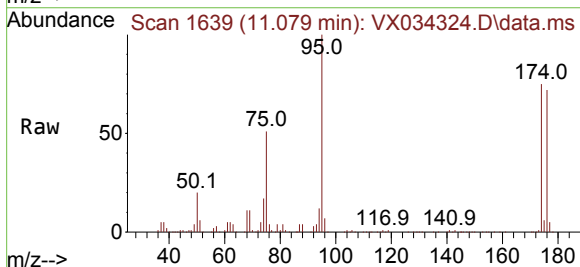


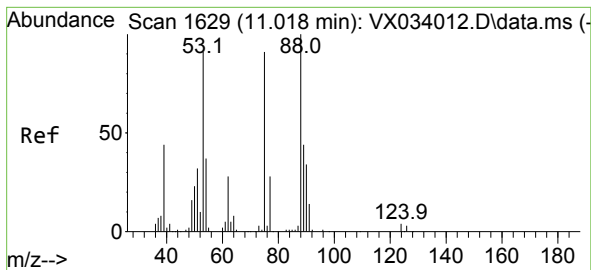
Tgt Ion: 43 Resp: 84143
Ion Ratio Lower Upper
43 100
70 1.6 34.8 52.2#
55 3.7 19.4 29.0#
61 9.3 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 21.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034324.D
Acq: 03 Mar 2023 15:47

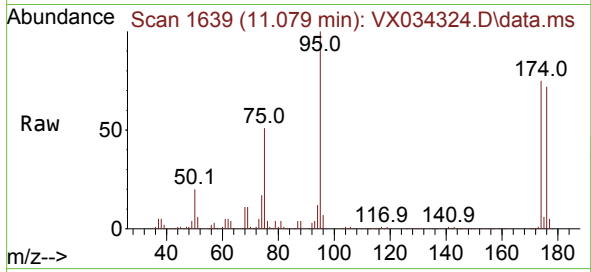
Tgt Ion: 75 Resp: 101962
Ion Ratio Lower Upper
75 100
77 1.3 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.075 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034324.D
 Acq: 03 Mar 2023 15:47

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 101962
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

