

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034330.D
 Acq On : 03 Mar 2023 18:09
 Operator : JC/MD
 Sample : 01767-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 22:16:21 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)

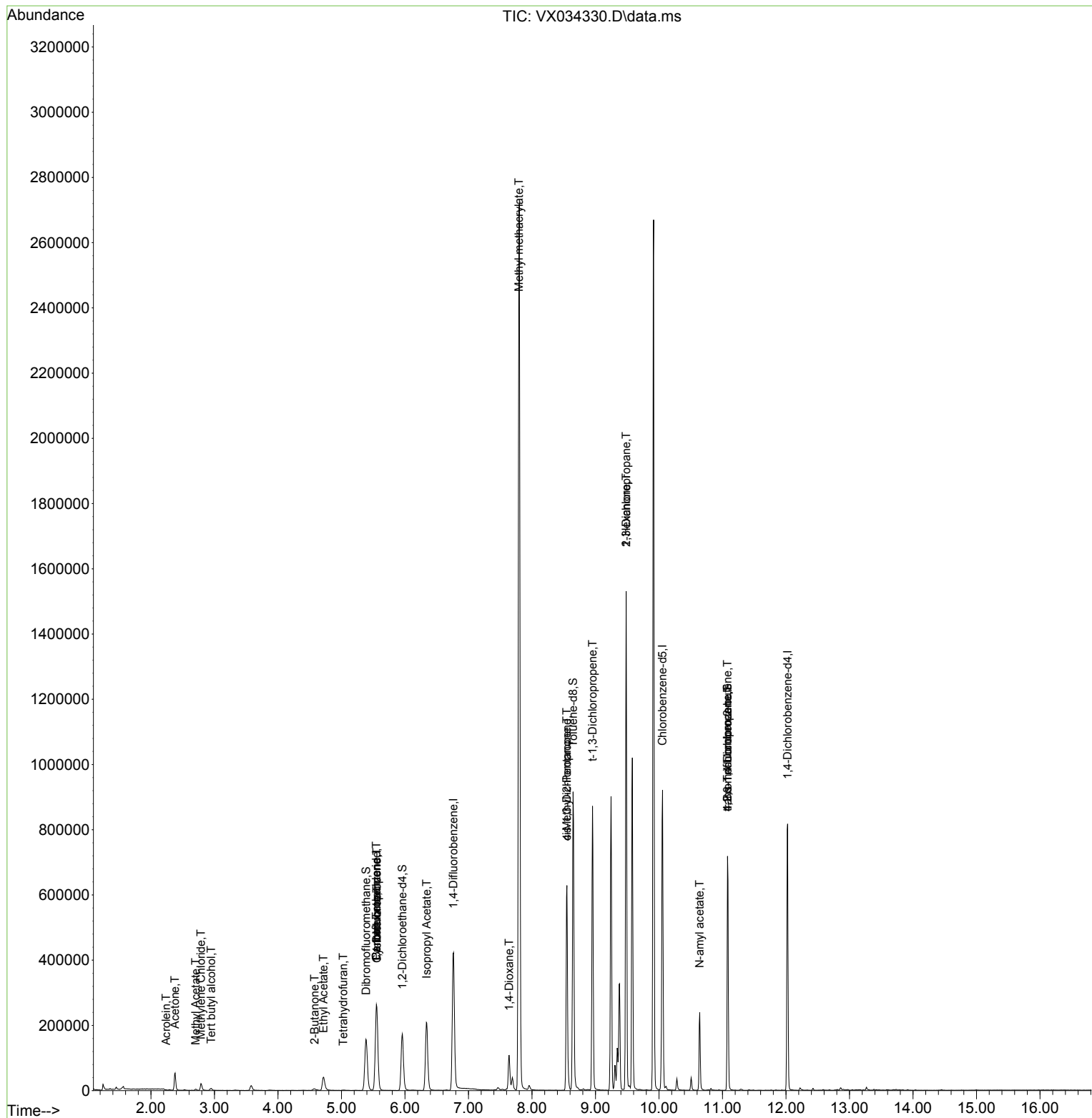
Internal Standards						
1) Pentafluorobenzene	5.550	168	260679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	441522	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	401903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159673	45.481	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.960%		
35) Dibromofluoromethane	5.385	113	138364	48.131	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.260%		
50) Toluene-d8	8.647	98	535308	51.864	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.720%		
62) 4-Bromofluorobenzene	11.079	95	186905	47.342	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.680%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	138	Below Cal	#	3
11) Tert butyl alcohol	2.947	59	4327	5.511	ug/l #	86
13) Acrolein	2.239	56	276	0.770	ug/l #	14
16) Acetone	2.380	43	55203	30.482	ug/l	90
18) Methyl Acetate	2.703	43	4541	0.810	ug/l	96
20) Methylene Chloride	2.788	84	9970	3.055	ug/l	96
25) 2-Butanone	4.574	43	6595	2.517	ug/l #	80
29) Tetrahydrofuran	5.026	42	1295	0.810	ug/l #	75
31) Cyclohexane	5.556	56	5546	1.058	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	19430	4.570	ug/l #	49
37) Ethyl Acetate	4.715	43	72269	15.210	ug/l	99
38) Carbon Tetrachloride	5.550	117	25398	5.805	ug/l #	14
43) Isopropyl Acetate	6.342	43	300214	35.805	ug/l	99
48) Methyl methacrylate	7.793	41	235309	59.128	ug/l #	46
49) 1,4-Dioxane	7.641	88	95	1.197	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	221098	47.929	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1631	0.313	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	100697	18.039	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	12787	2.385	ug/l #	43
59) 2-Hexanone	9.482	43	173788	49.433	ug/l #	51
74) N-amyl acetate	10.640	43	67202	10.094	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	94194	21.529	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	94194	55.305	ug/l #	8

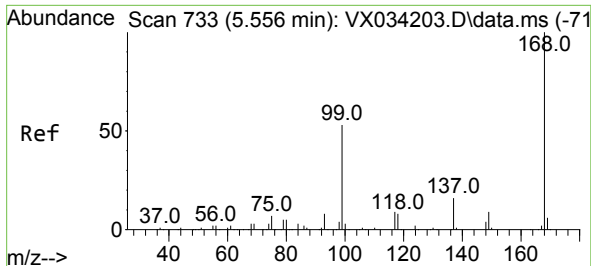
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

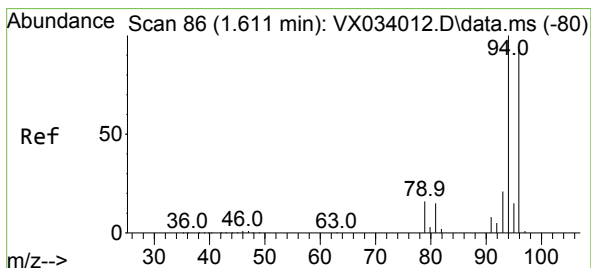
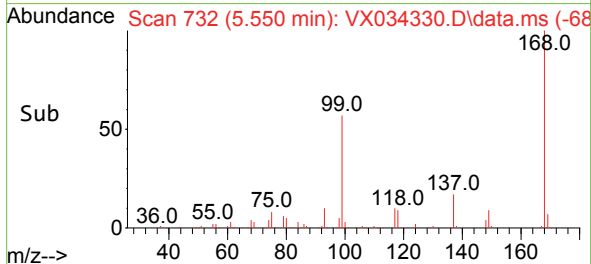
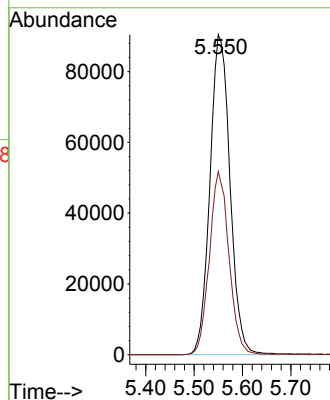
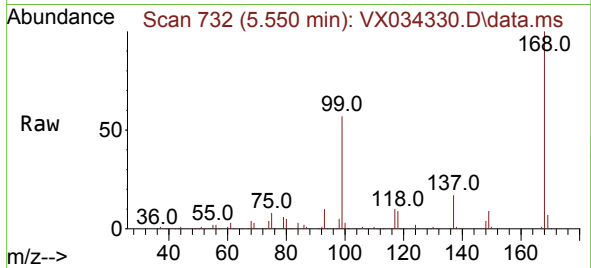




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

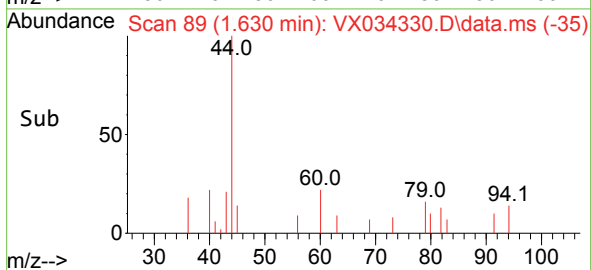
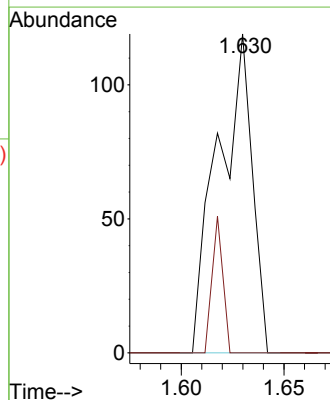
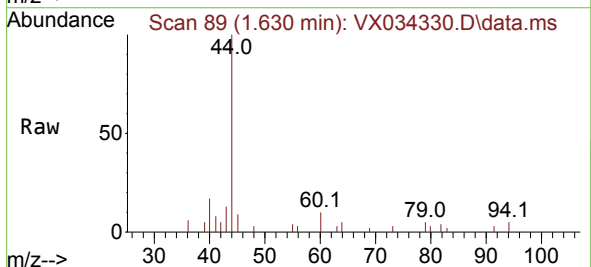
Instrument :
MSVOA_X
ClientSampleId :

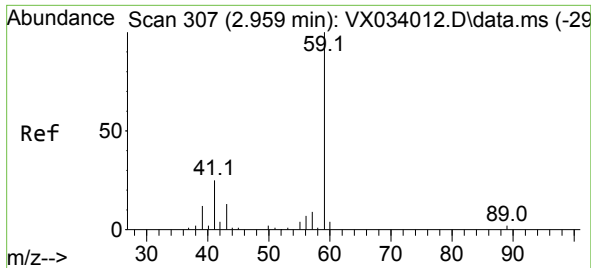
Tgt Ion:168 Resp: 260679
Ion Ratio Lower Upper
168 100
99 57.2 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 0.0 74.3 111.5#

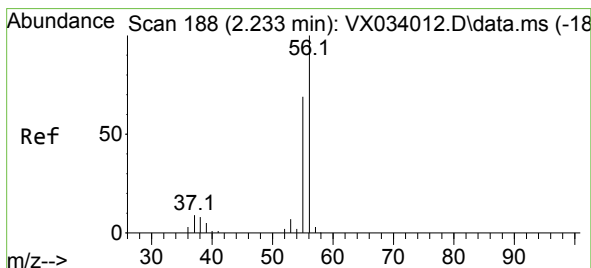
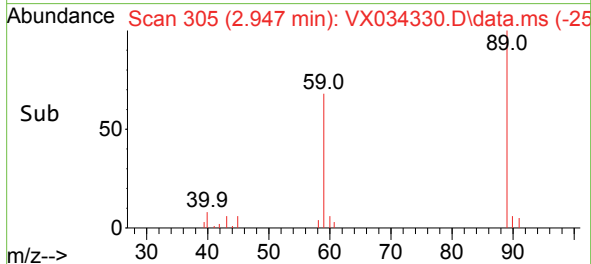
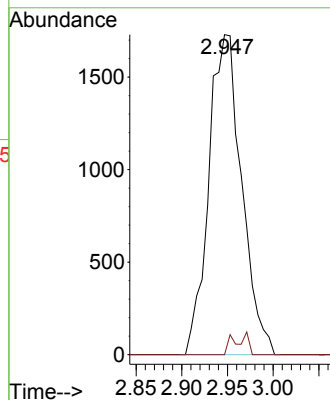
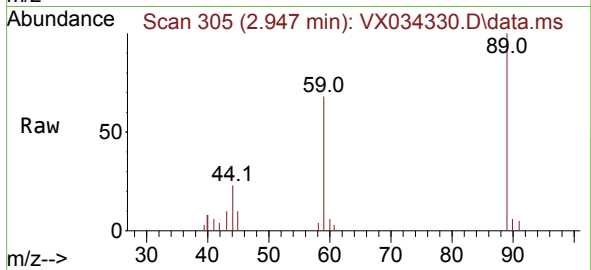




#11
Tert butyl alcohol
Concen: 5.511 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

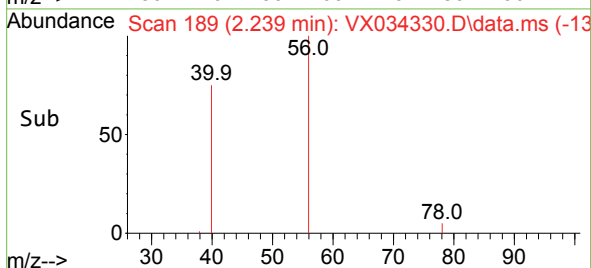
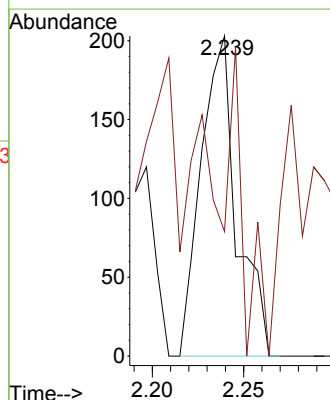
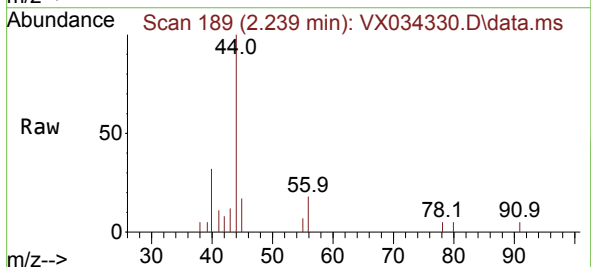
Instrument :
MSVOA_X
ClientSampleId :

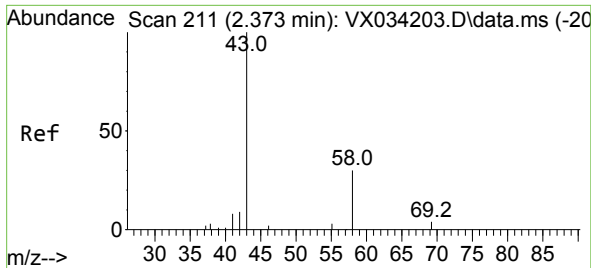
Tgt Ion: 59 Resp: 4327
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#



#13
Acrolein
Concen: 0.770 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#

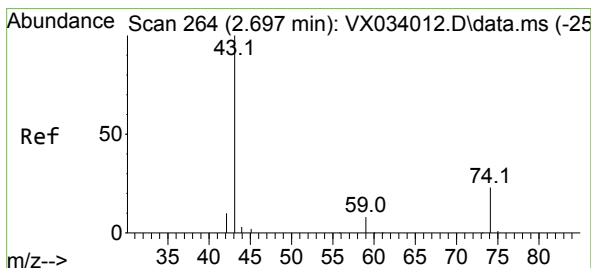
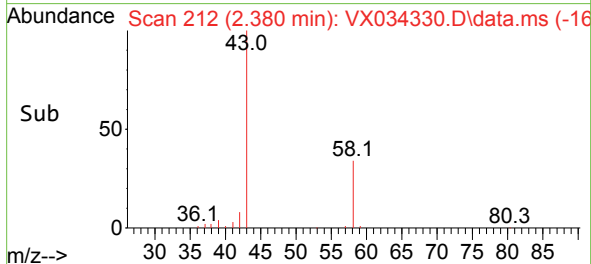
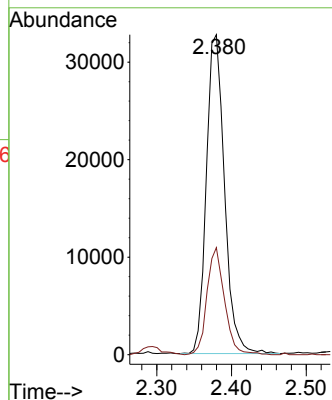
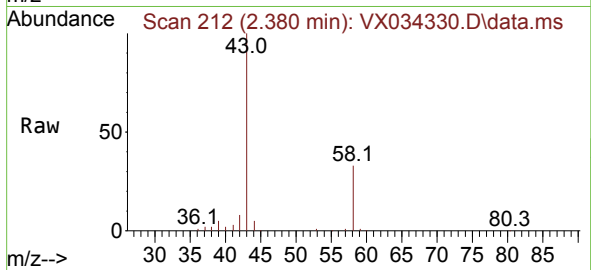




#16
Acetone
Concen: 30.482 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

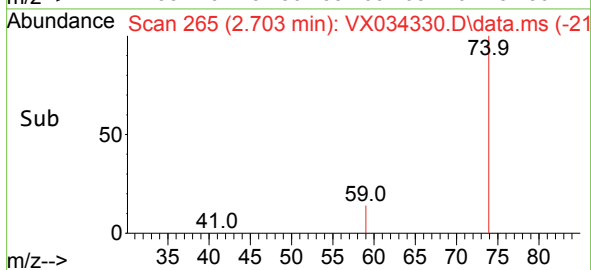
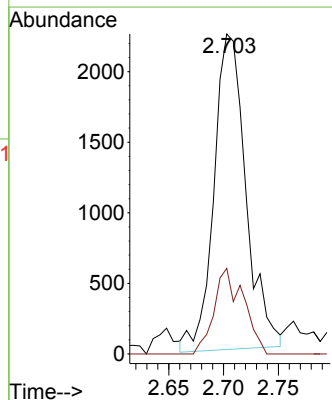
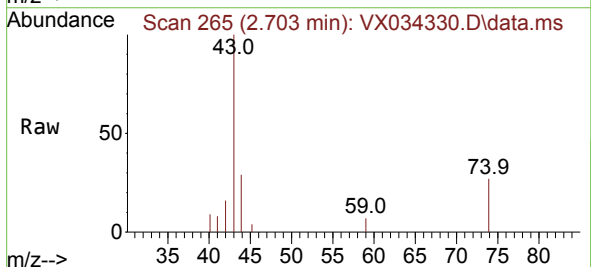
Instrument :
MSVOA_X
ClientSampleId :

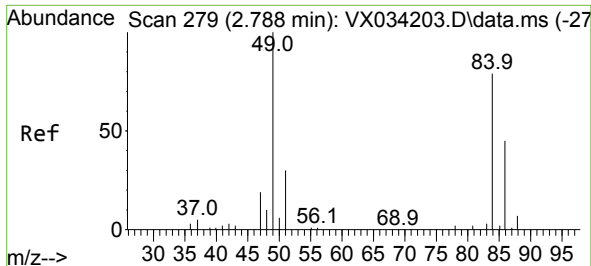
Tgt Ion: 43 Resp: 55203
Ion Ratio Lower Upper
43 100
58 33.6 22.6 33.8



#18
Methyl Acetate
Concen: 0.810 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

Tgt Ion: 43 Resp: 4541
Ion Ratio Lower Upper
43 100
74 25.0 18.2 27.4





#20

Methylene Chloride

Concen: 3.055 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

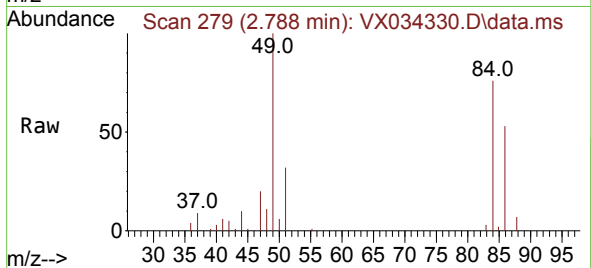
Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 9970

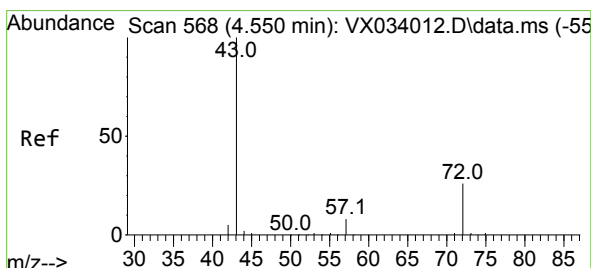
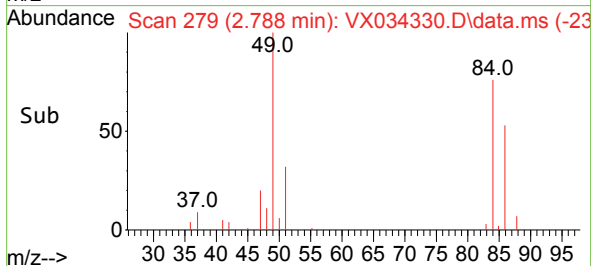
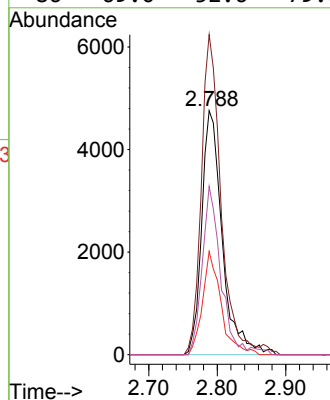
Ion Ratio Lower Upper

84 100

49 131.1 101.1 151.7

51 42.3 31.0 46.6

86 69.0 52.6 79.0



#25

2-Butanone

Concen: 2.517 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.031 min

Lab File: VX034330.D

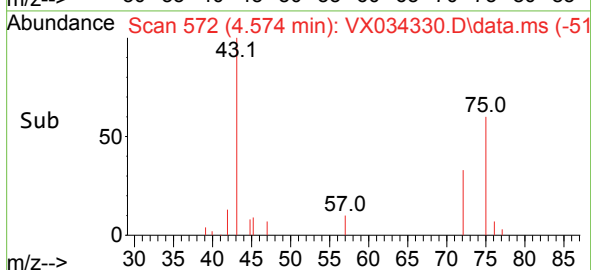
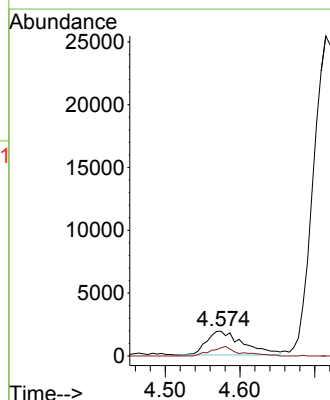
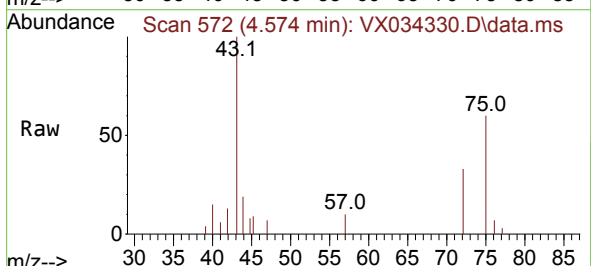
Acq: 03 Mar 2023 18:09

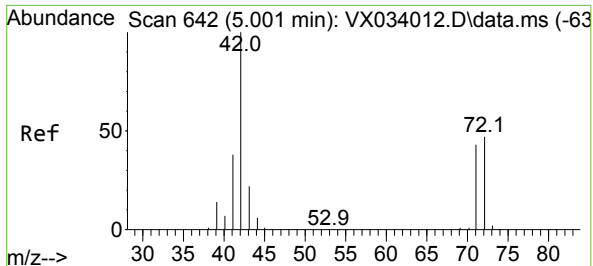
Tgt Ion: 43 Resp: 6595

Ion Ratio Lower Upper

43 100

72 34.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.810 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.031 min

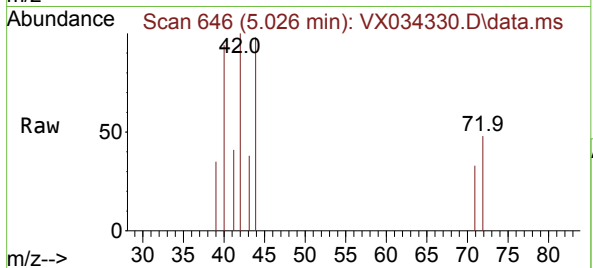
Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

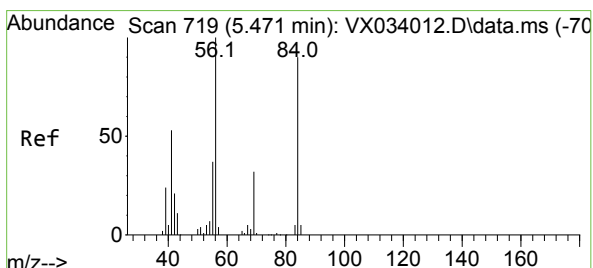
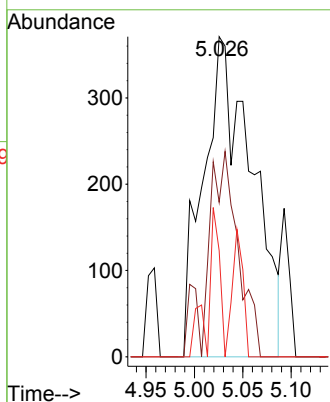
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	1295
Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.8	52.2
71	11.7	32.2	48.2#



#31

Cyclohexane

Concen: 1.058 ug/l

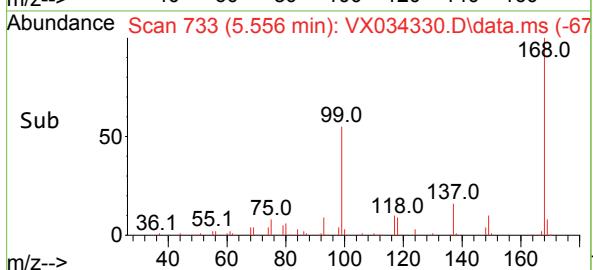
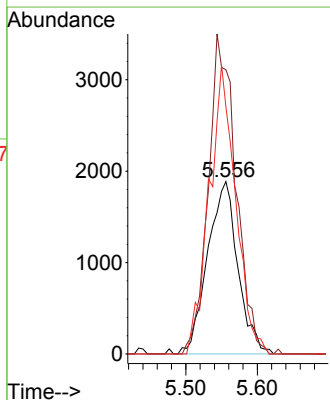
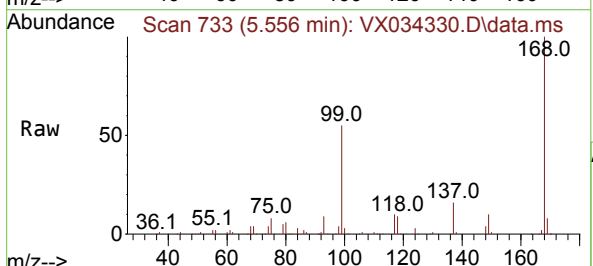
RT: 5.556 min Scan# 733

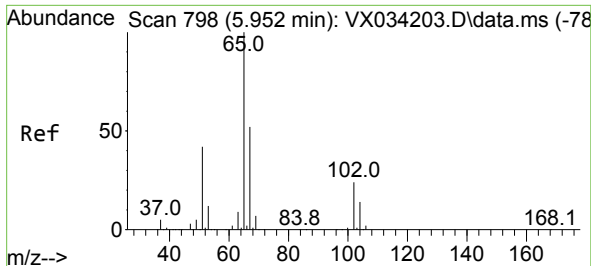
Delta R.T. 0.086 min

Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

Tgt Ion:	56	Resp:	5546
Ion	Ratio	Lower	Upper
56	100		
69	165.0	24.6	37.0#
84	143.6	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.481 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

Instrument :

MSVOA_X

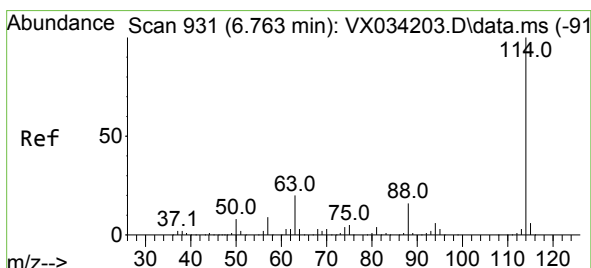
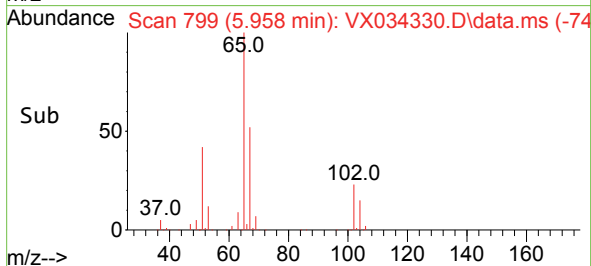
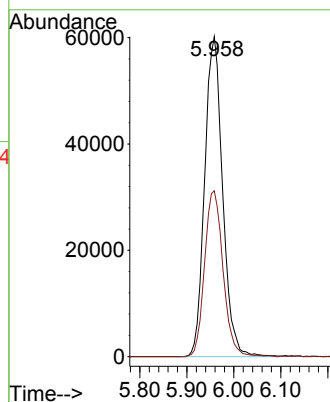
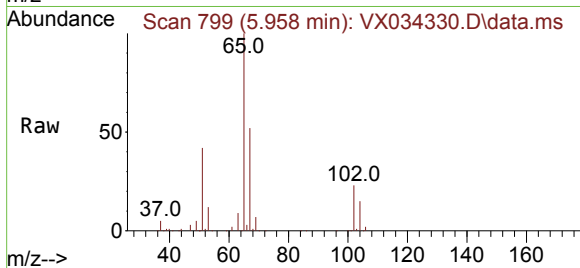
ClientSampleId :

Tgt Ion: 65 Resp: 159673

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: VX034330.D

Acq: 03 Mar 2023 18:09

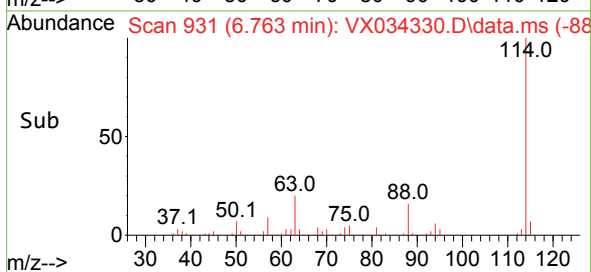
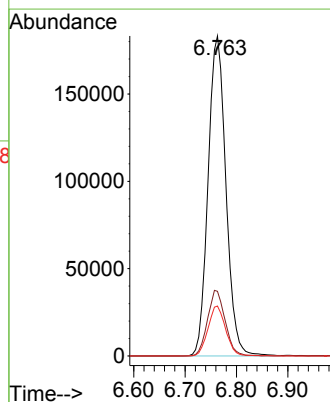
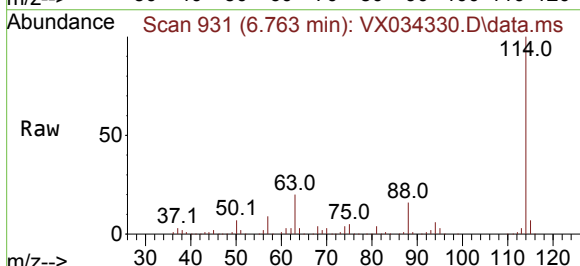
Tgt Ion: 114 Resp: 441522

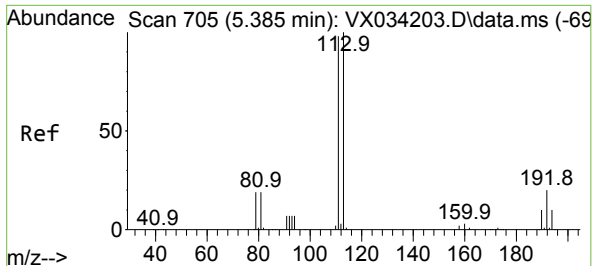
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.131 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

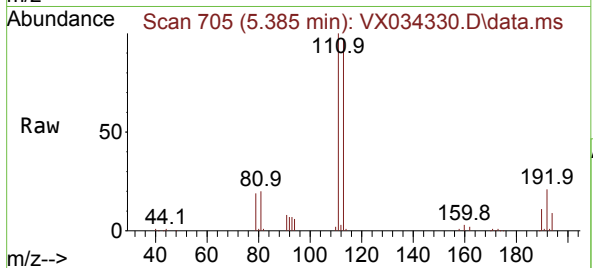
Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

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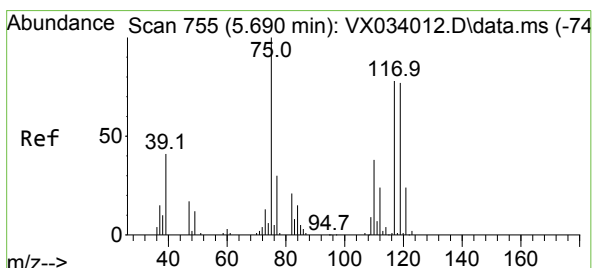
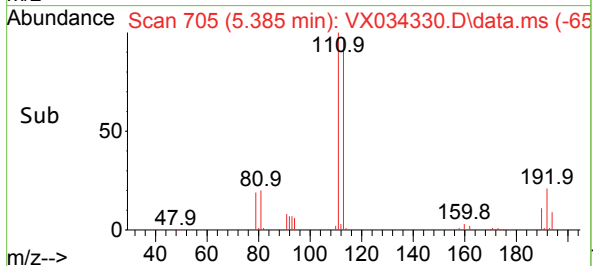
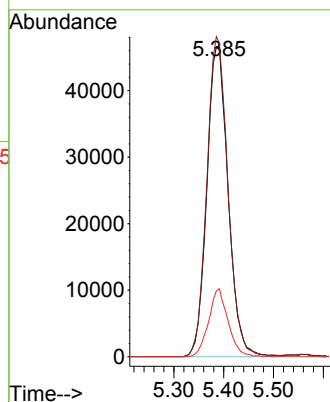
Tgt Ion:113 Resp: 138364

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.6

192 20.0 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.570 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

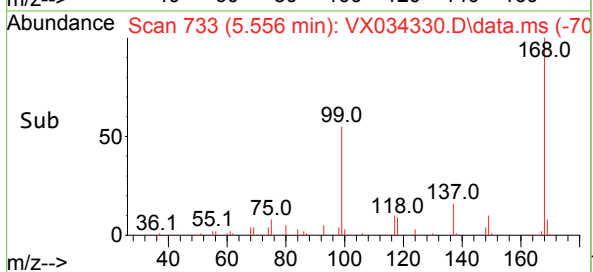
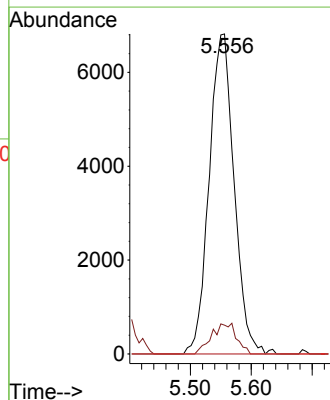
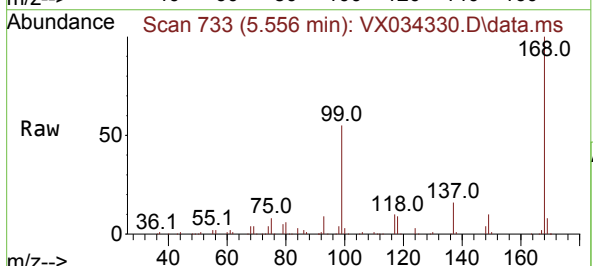
Tgt Ion: 75 Resp: 19430

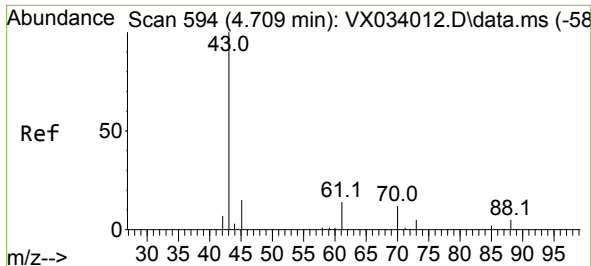
Ion Ratio Lower Upper

75 100

110 9.5 18.8 56.4#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 15.210 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

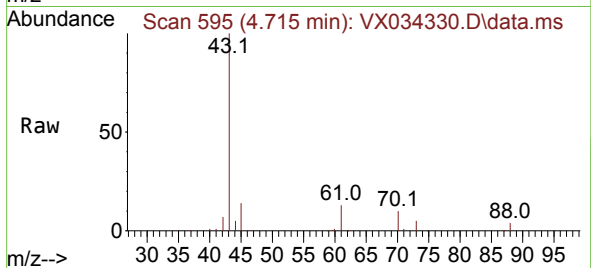
Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

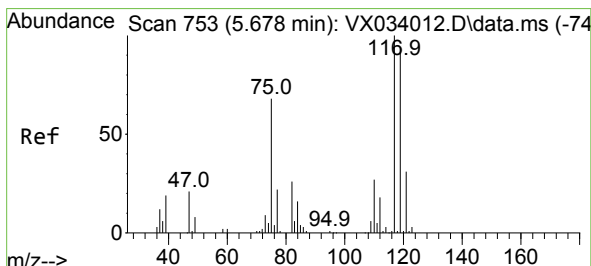
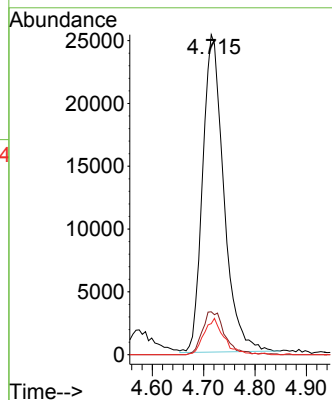
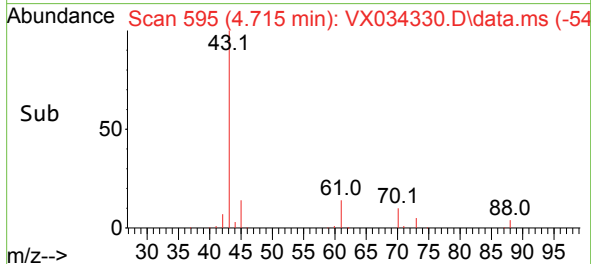
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	72269
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	10.8	8.5	12.7



#38

Carbon Tetrachloride

Concen: 5.805 ug/l

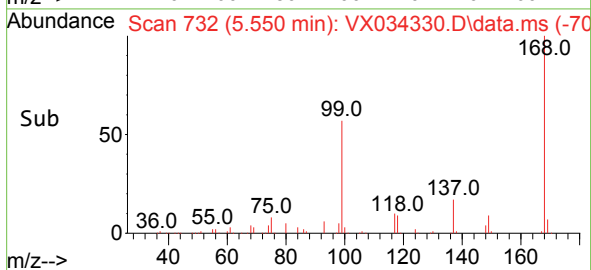
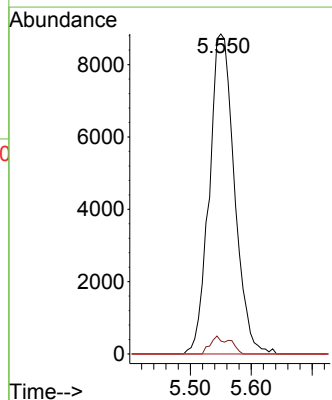
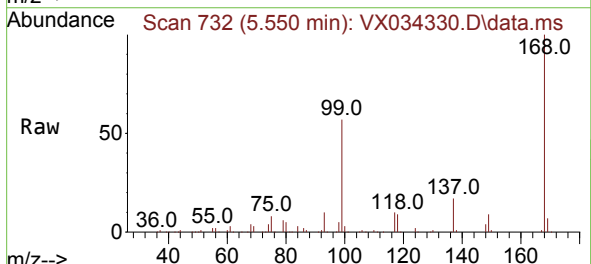
RT: 5.550 min Scan# 732

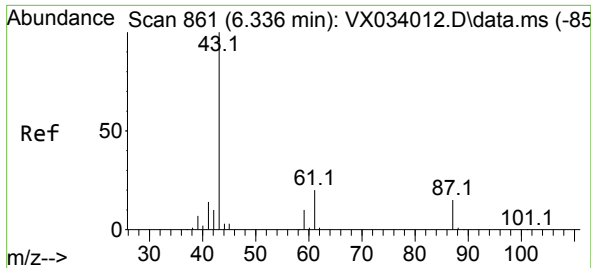
Delta R.T. -0.122 min

Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

Tgt Ion:	117	Resp:	25398
Ion	Ratio	Lower	Upper
117	100		
119	4.1	78.0	117.0#
121	0.0	24.4	36.6#

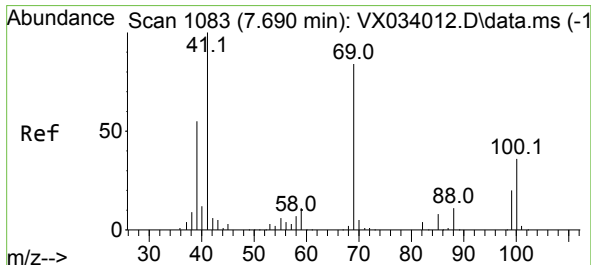
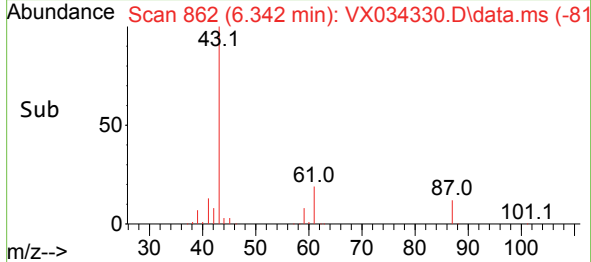
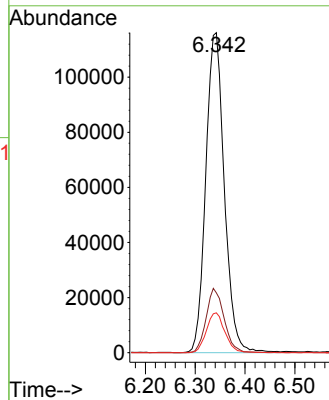
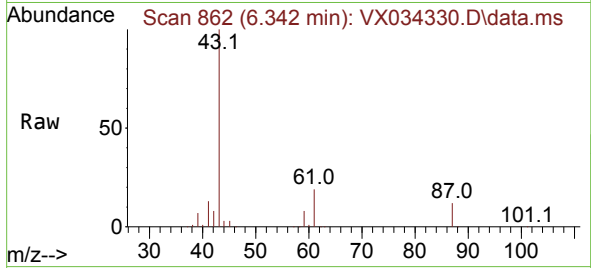




#43
Isopropyl Acetate
Concen: 35.805 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

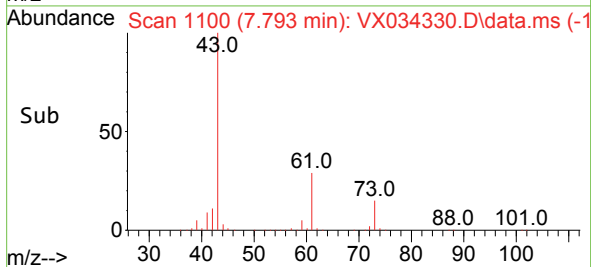
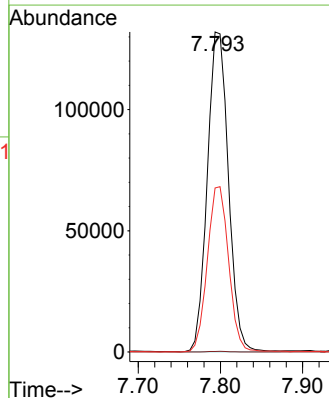
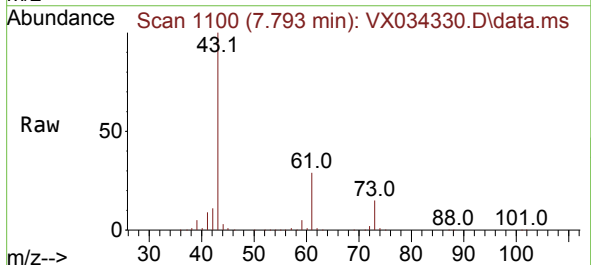
Instrument :
MSVOA_X
ClientSampleId :

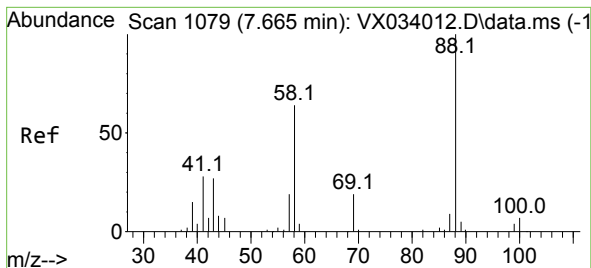
Tgt Ion: 43 Resp: 300214
Ion Ratio Lower Upper
43 100
61 19.5 15.7 23.5
87 12.4 10.6 15.8



#48
Methyl methacrylate
Concen: 59.128 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

Tgt Ion: 41 Resp: 235309
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 52.4 43.2 64.8





#49

1,4-Dioxane

Concen: 1.197 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. -0.012 min

Lab File: VX034330.D

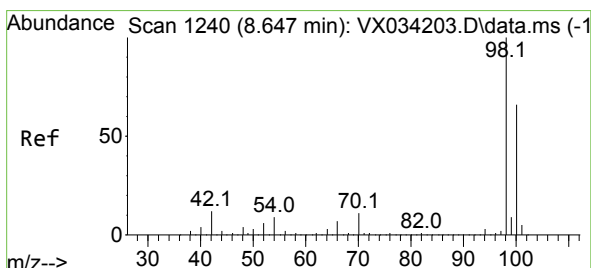
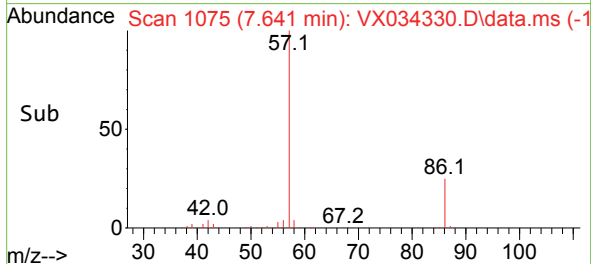
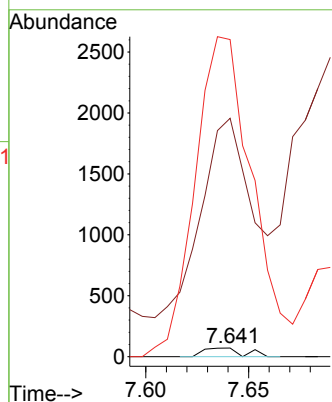
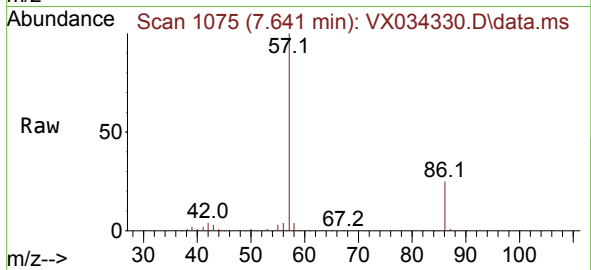
Acq: 03 Mar 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	95
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	5381.1	56.5	84.7#



#50

Toluene-d8

Concen: 51.864 ug/l

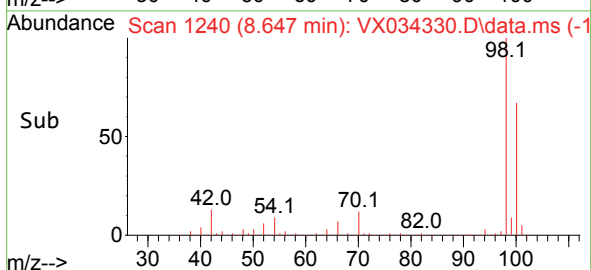
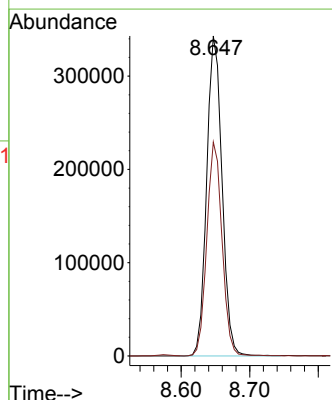
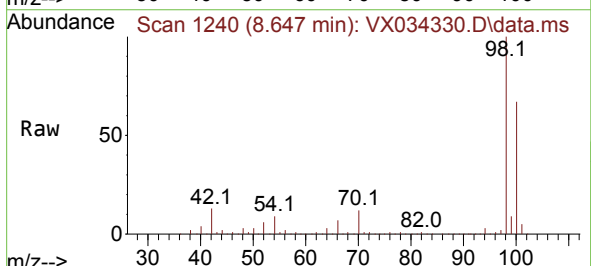
RT: 8.647 min Scan# 1240

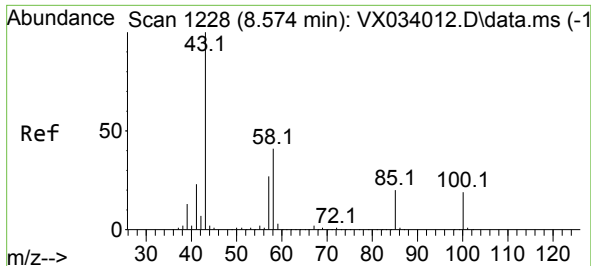
Delta R.T. 0.000 min

Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

Tgt Ion:	98	Resp:	535308
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.6	80.4

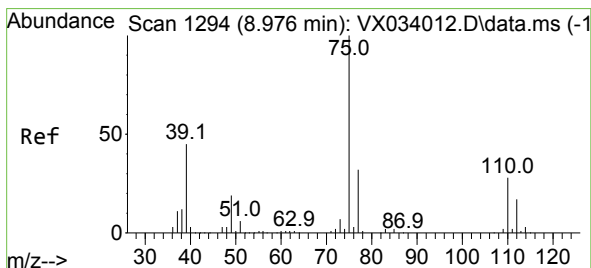
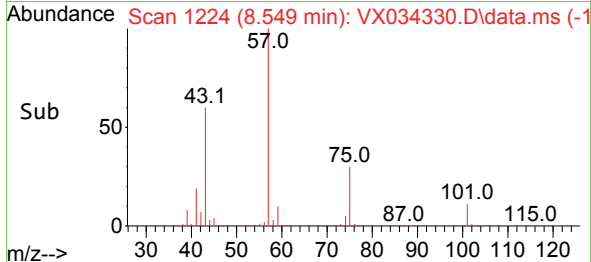
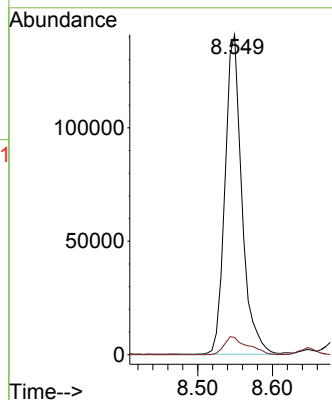
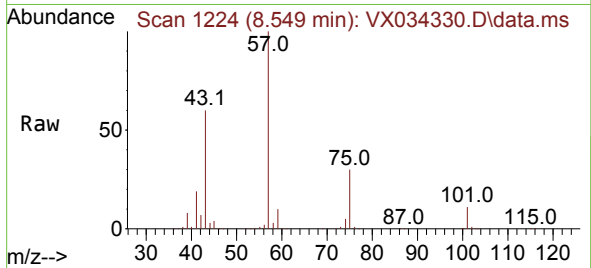




#51
4-Methyl-2-Pentanone
Concen: 47.929 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

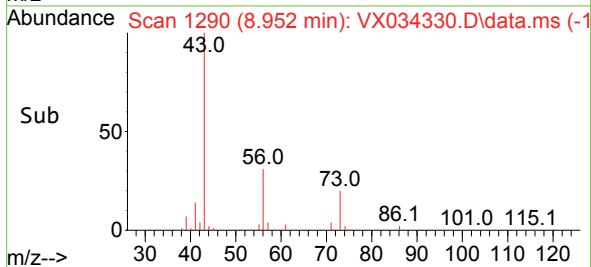
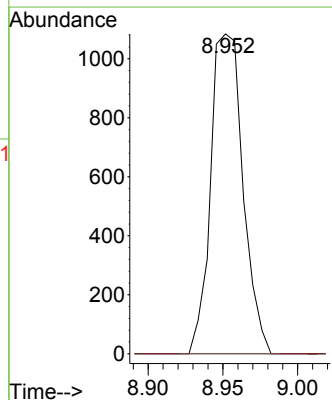
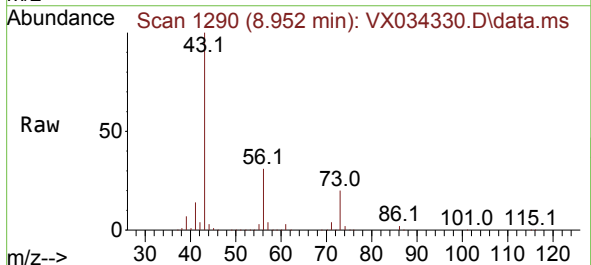
Instrument :
MSVOA_X
ClientSampleId :

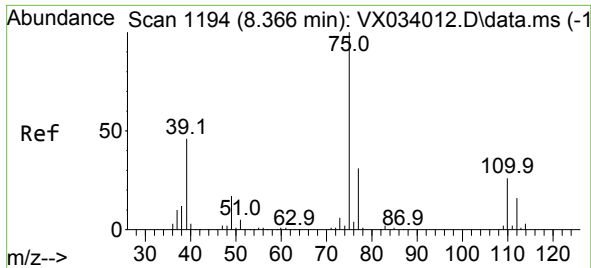
Tgt Ion: 43 Resp: 221098
Ion Ratio Lower Upper
43 100
58 7.8 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.313 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

Tgt Ion: 75 Resp: 1631
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

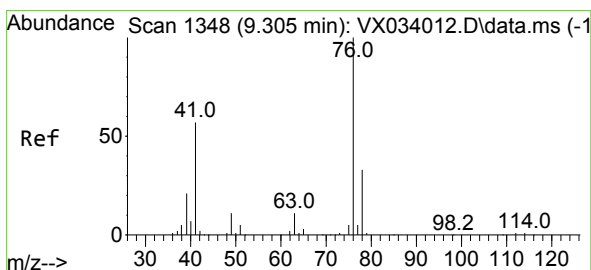
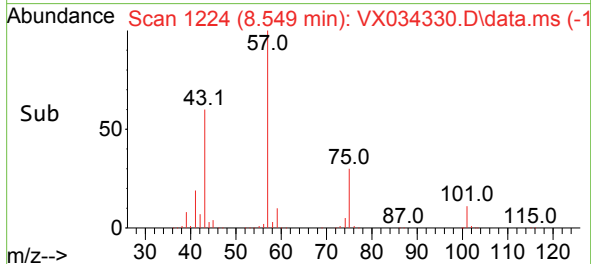
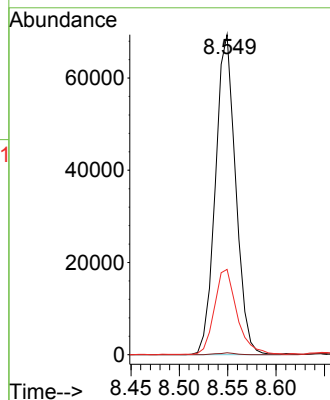
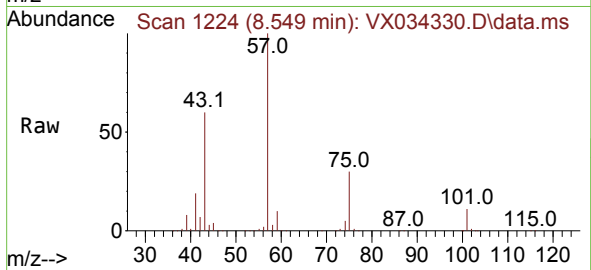




#54
 cis-1,3-Dichloropropene
 Concen: 18.039 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034330.D
 Acq: 03 Mar 2023 18:09

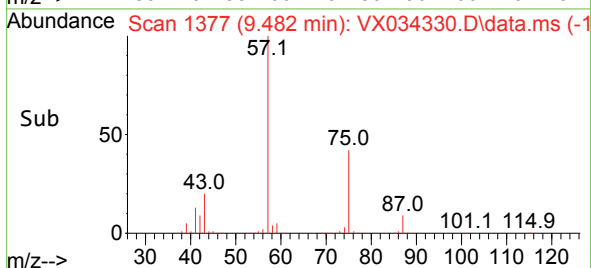
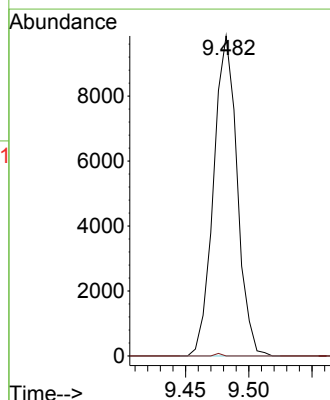
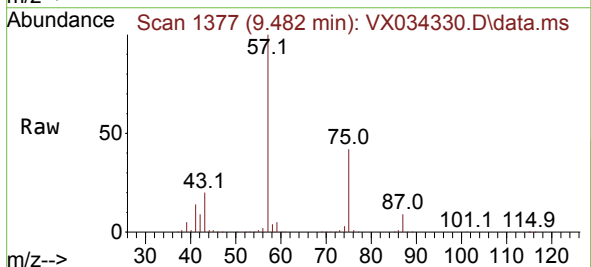
Instrument :
 MSVOA_X
 ClientSampleId :

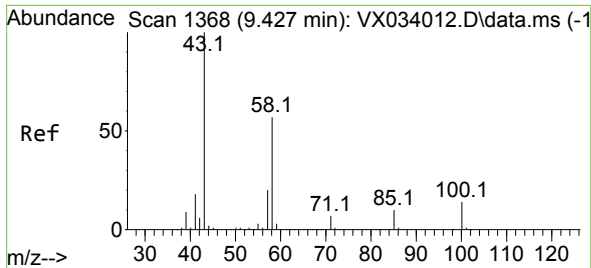
Tgt Ion: 75 Resp: 100697
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 26.5 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 2.385 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034330.D
 Acq: 03 Mar 2023 18:09

Tgt Ion: 76 Resp: 12787
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.6 38.4#

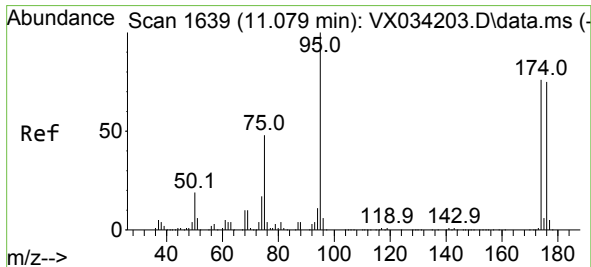
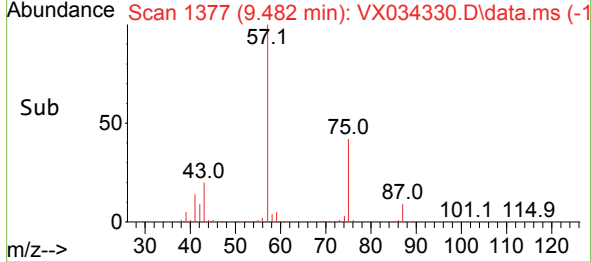
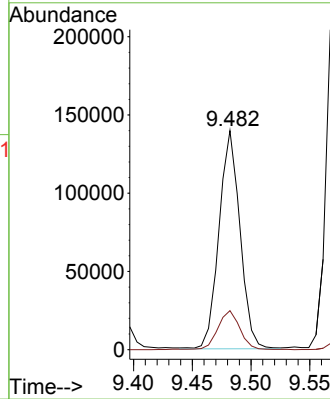
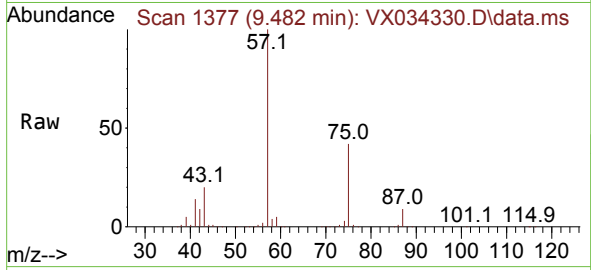




#59
2-Hexanone
Concen: 49.433 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

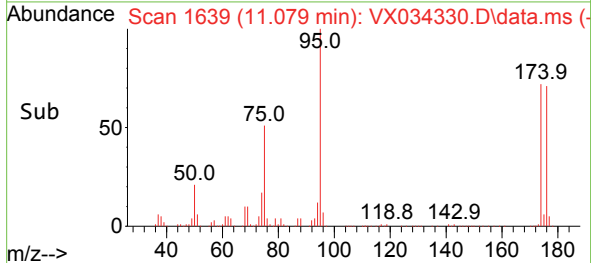
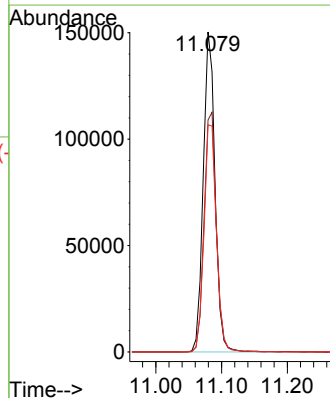
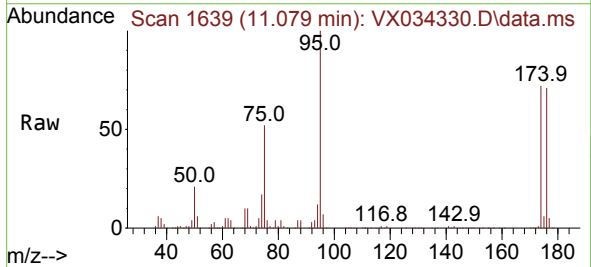
Instrument :
MSVOA_X
ClientSampleId :

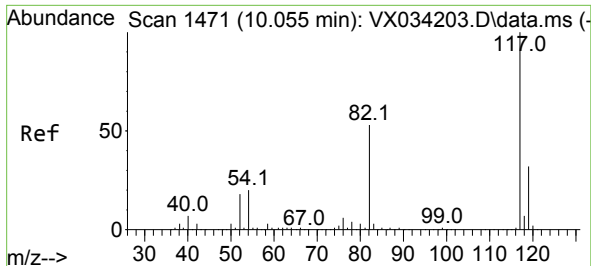
Tgt Ion: 43 Resp: 173788
Ion Ratio Lower Upper
43 100
58 19.0 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 47.342 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

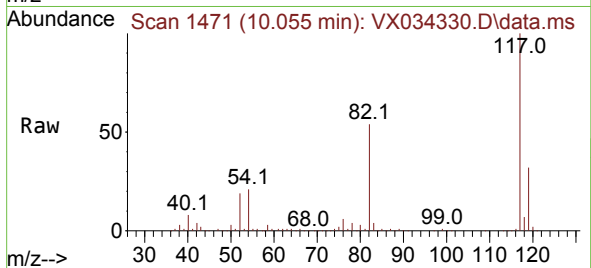
Tgt Ion: 95 Resp: 186905
Ion Ratio Lower Upper
95 100
174 78.1 0.0 184.4
176 75.2 0.0 178.8



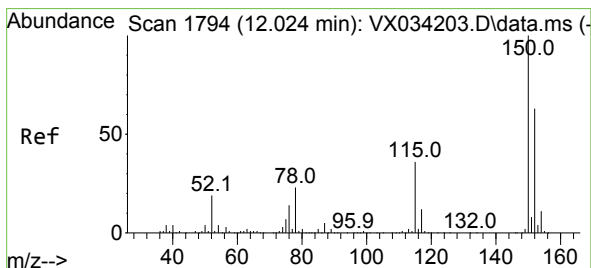
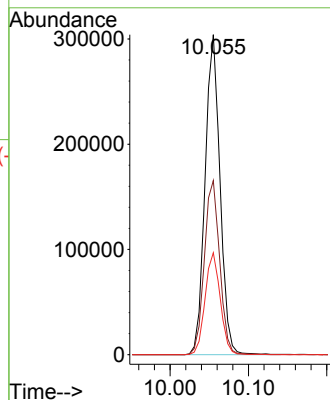
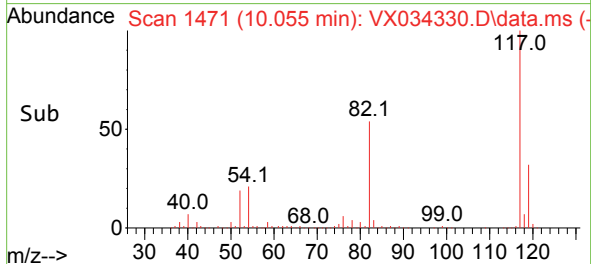


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

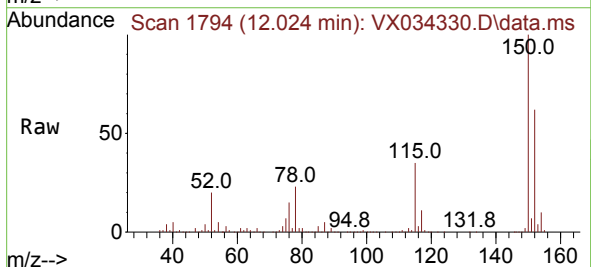
Instrument :
MSVOA_X
ClientSampleId :



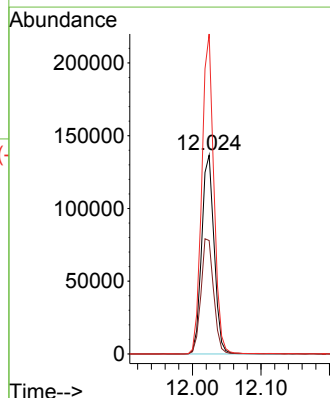
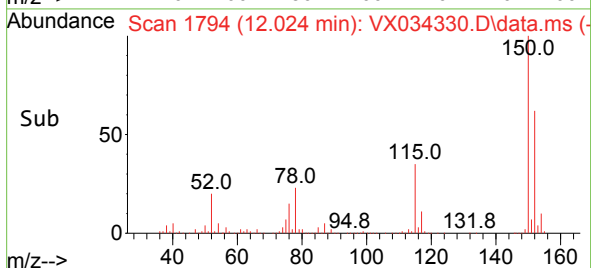
Tgt Ion:117 Resp: 401903
Ion Ratio Lower Upper
117 100
82 54.4 40.6 60.8
119 31.8 25.6 38.4

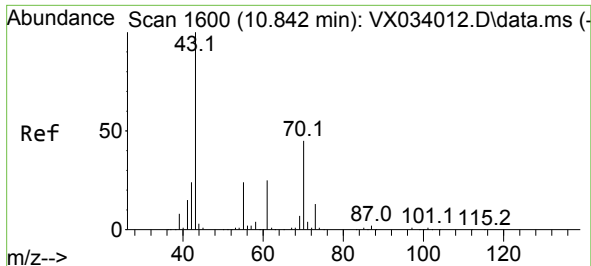


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09



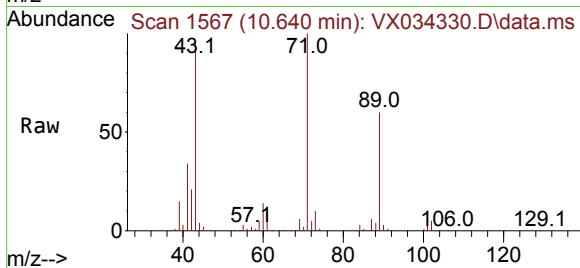
Tgt Ion:152 Resp: 173880
Ion Ratio Lower Upper
152 100
115 58.9 38.7 116.1
150 155.3 0.0 348.2



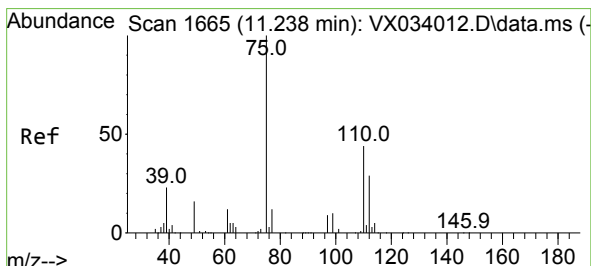
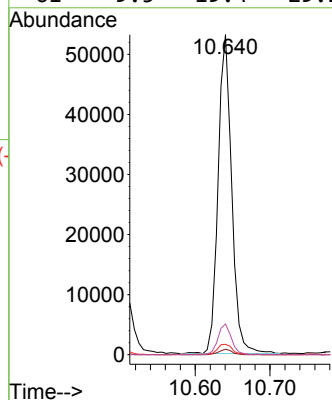


#74
N-amy1 acetate
Concen: 10.094 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

Instrument :
MSVOA_X
ClientSampleId :

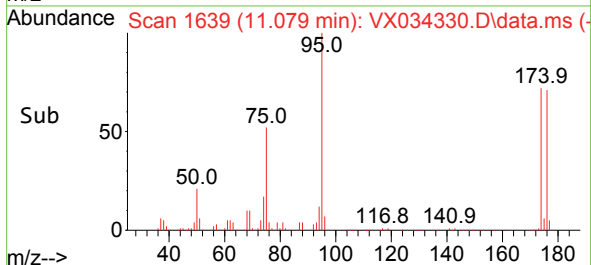
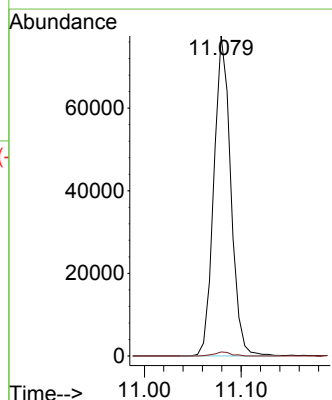
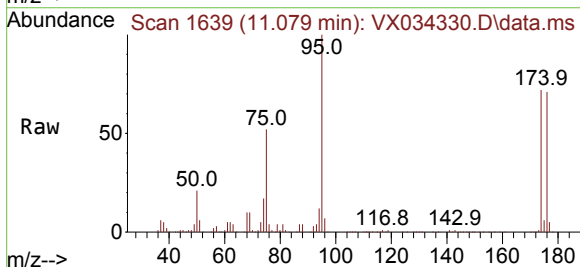


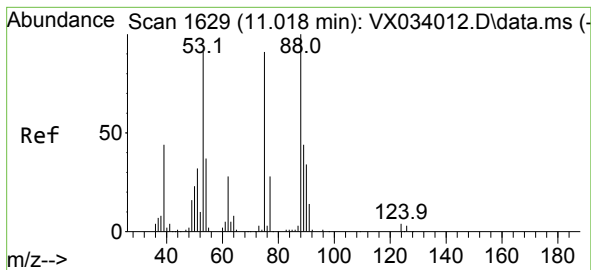
Tgt Ion: 43	Resp: 67202
Ion Ratio	Lower Upper
43 100	
70 1.6	34.8 52.2#
55 3.8	19.4 29.0#
61 9.5	19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 21.529 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

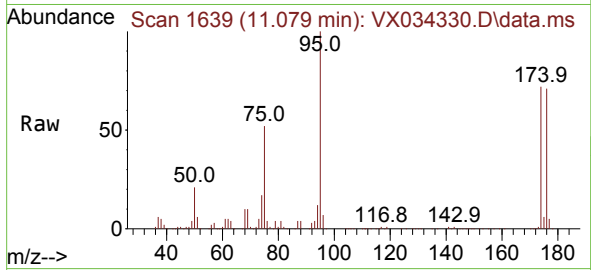
Tgt Ion: 75	Resp: 94194
Ion Ratio	Lower Upper
75 100	
77 1.3	21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.305 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034330.D
 Acq: 03 Mar 2023 18:09

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 94194
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

