

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 :
 CE-54-030123

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)

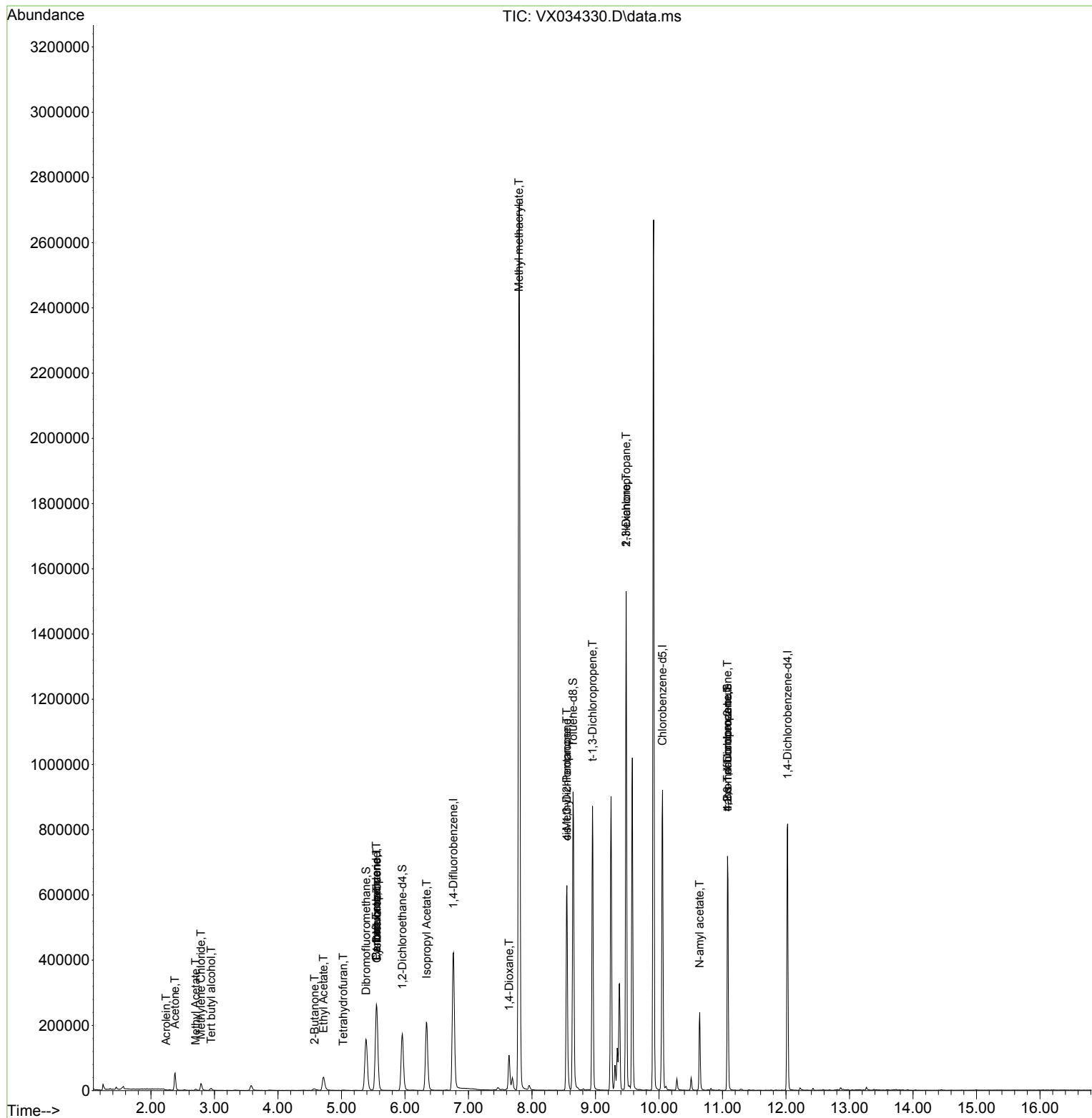
Internal Standards						
1) Pentafluorobenzene	5.550	168	260679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	441522	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	401903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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

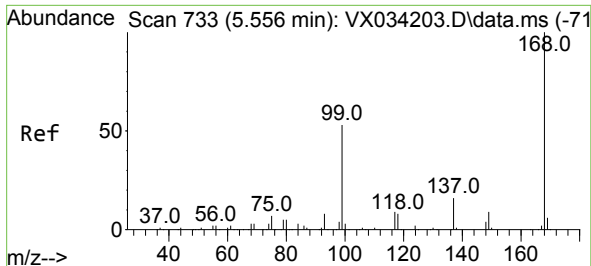
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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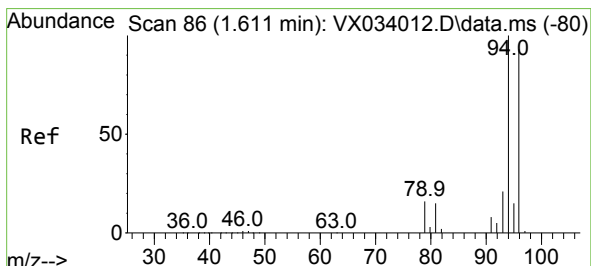
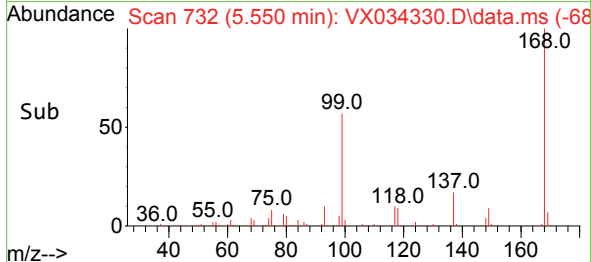
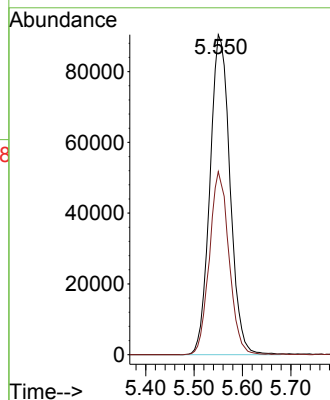
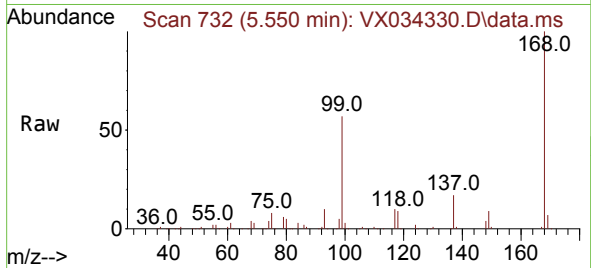




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

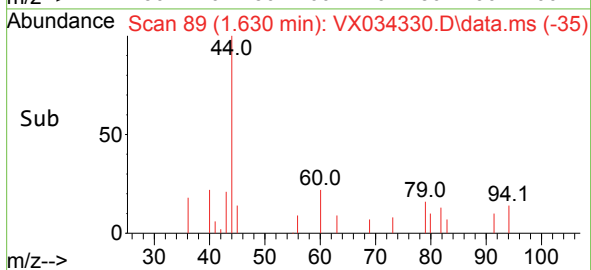
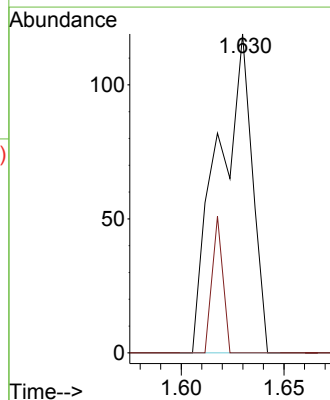
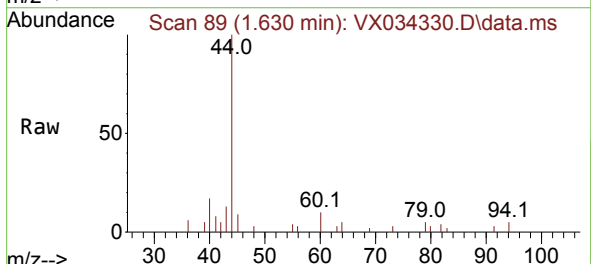
Instrument :
MSVOA_X
ClientSampleId :
CE-54-030123

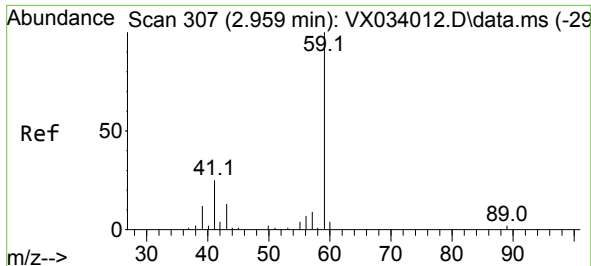
Tgt Ion:168 Resp: 260679
Ion Ratio Lower Upper
168 100
99 57.2 39.6 59.4



#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# 307

Delta R.T. -0.006 min

Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :

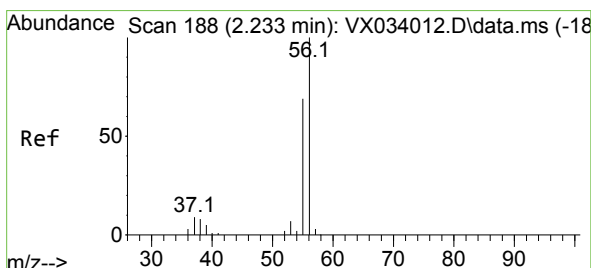
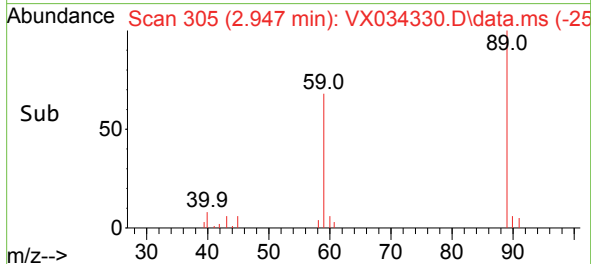
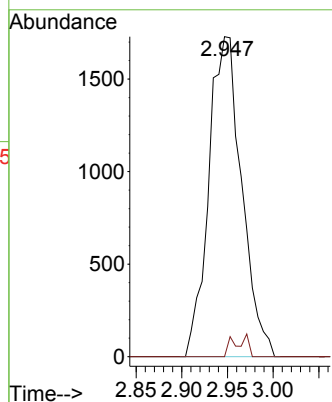
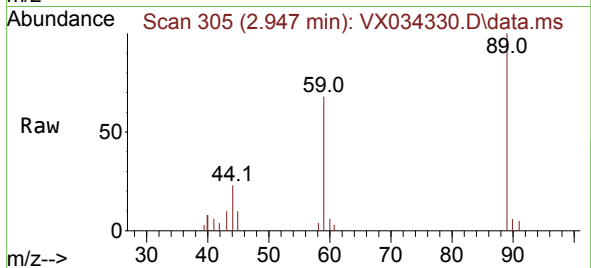
CE-54-030123

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

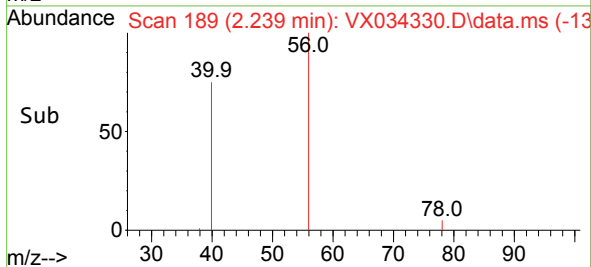
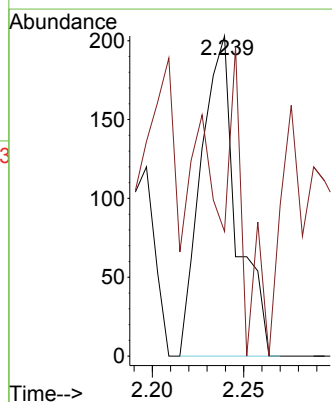
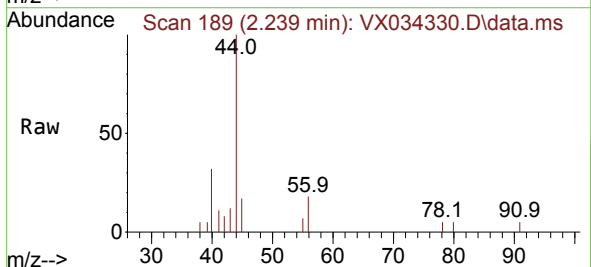
Acq: 03 Mar 2023 18:09

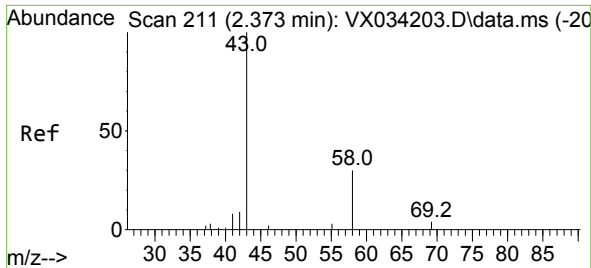
Tgt Ion: 56 Resp: 276

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#

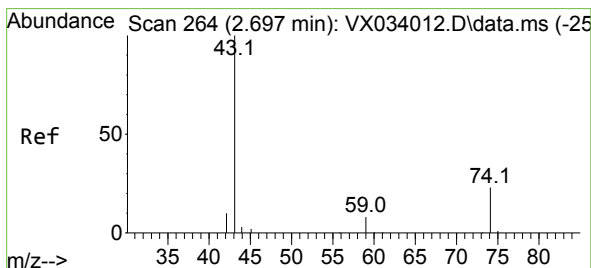
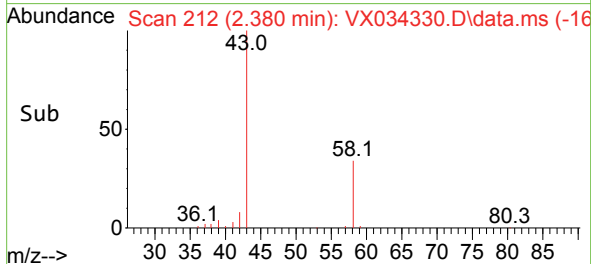
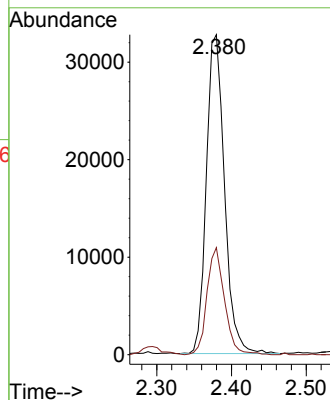
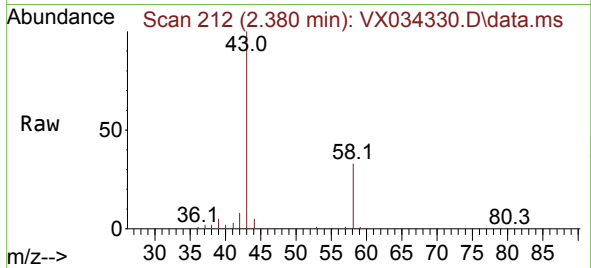




#16
Acetone
Concen: 30.482 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

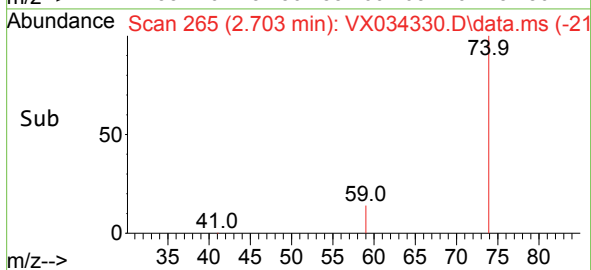
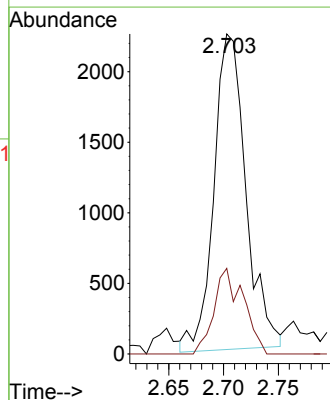
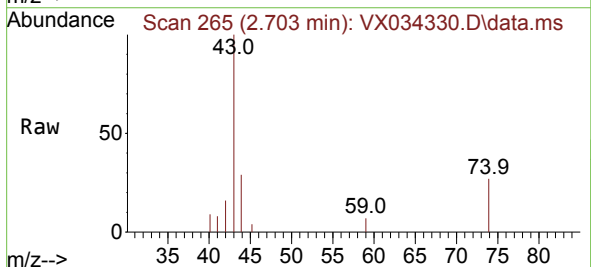
Instrument :
MSVOA_X
ClientSampleId :
CE-54-030123

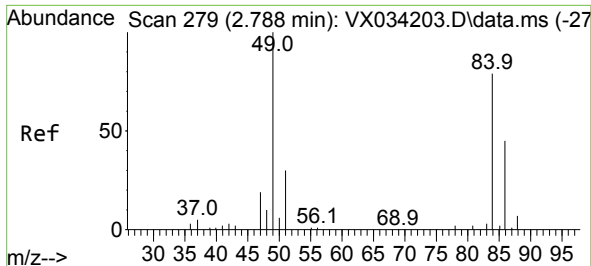
Tgt Ion: 43 Resp: 55203
Ion Ratio Lower Upper
43 100
58 33.6 22.6 33.8



#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

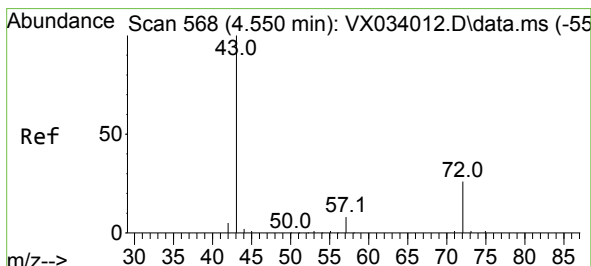
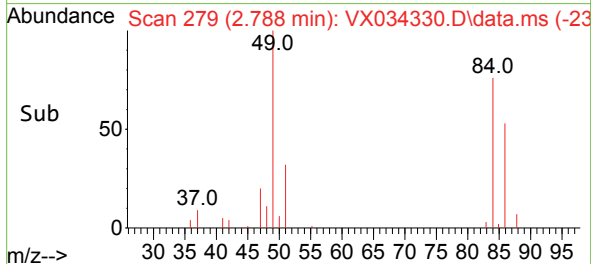
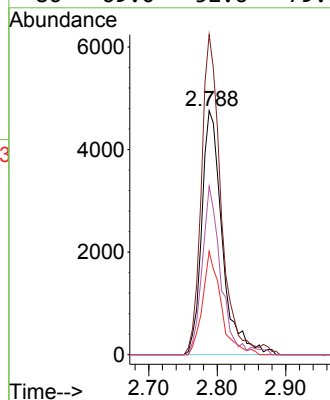
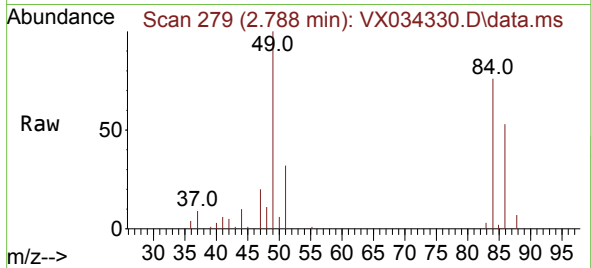




#20
Methylene Chloride
Concen: 3.055 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

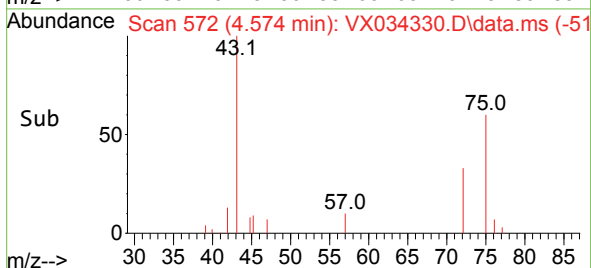
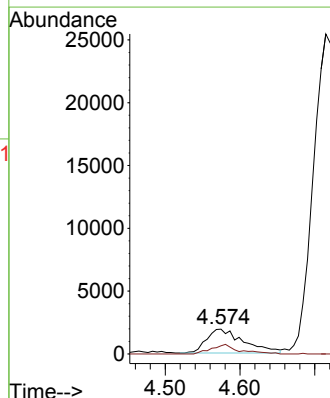
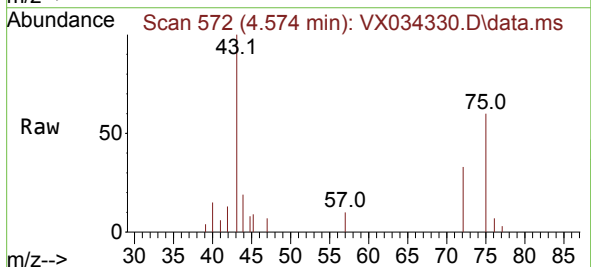
Instrument :
MSVOA_X
ClientSampleId :
CE-54-030123

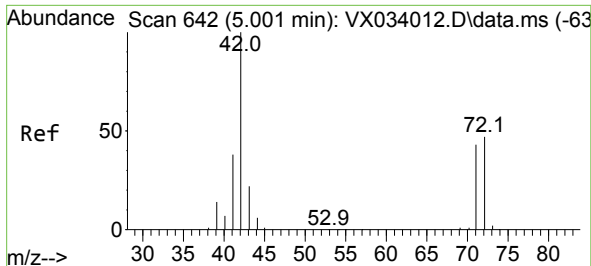
Tgt Ion:	84	Resp:	9970
Ion	Ratio	Lower	Upper
84	100		
49	131.1	101.1	151.7
51	42.3	31.0	46.6
86	69.0	52.6	79.0



#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 :

CE-54-030123

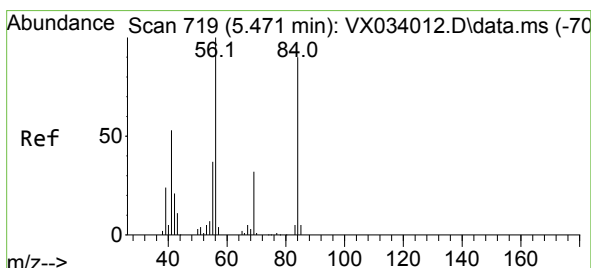
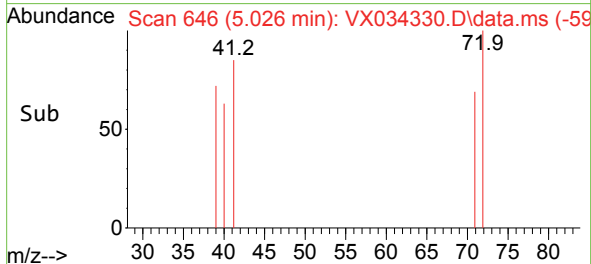
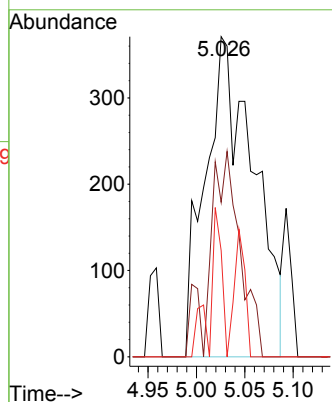
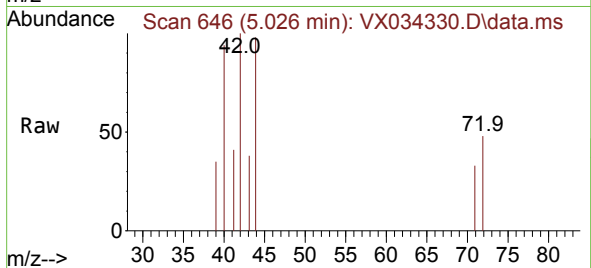
Tgt Ion: 42 Resp: 1295

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

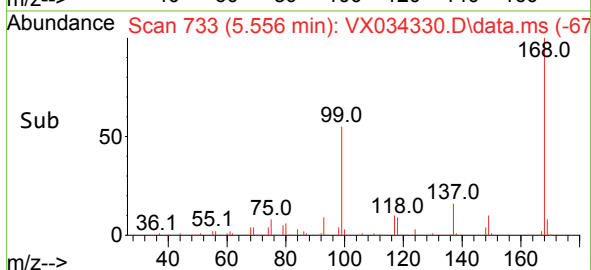
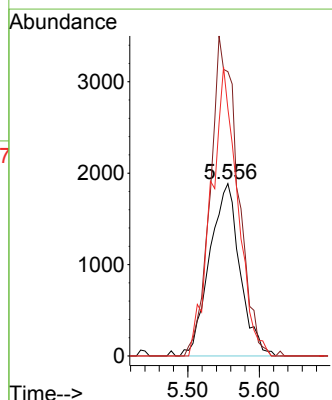
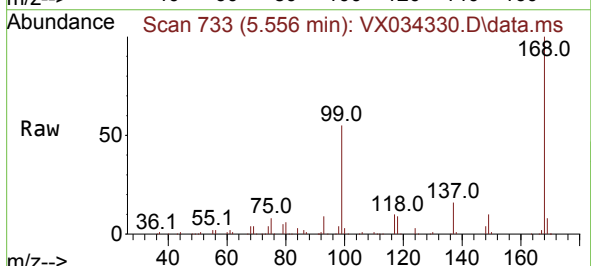
Tgt Ion: 56 Resp: 5546

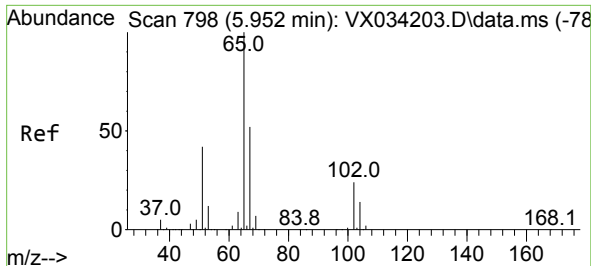
Ion Ratio Lower Upper

56 100

69 165.0 24.6 37.0#

84 143.6 71.0 106.6#

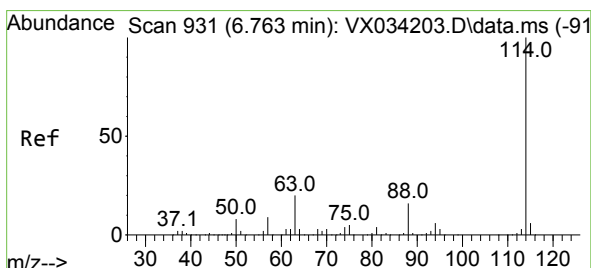
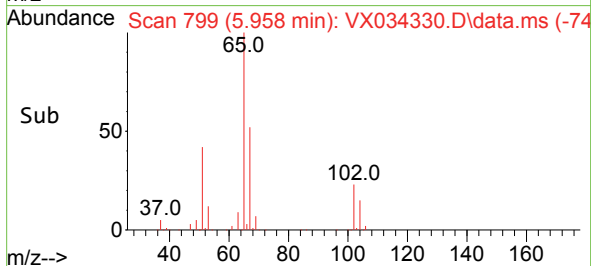
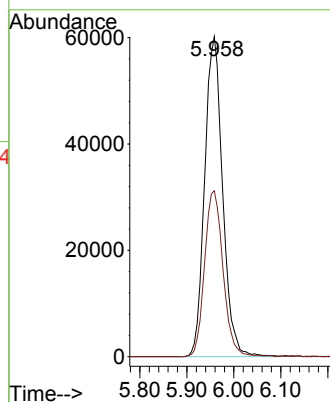
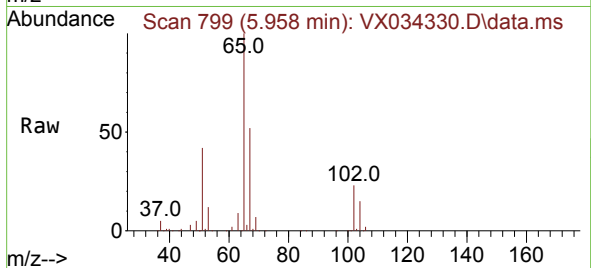




#33
1,2-Dichloroethane-d4
Concen: 45.481 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

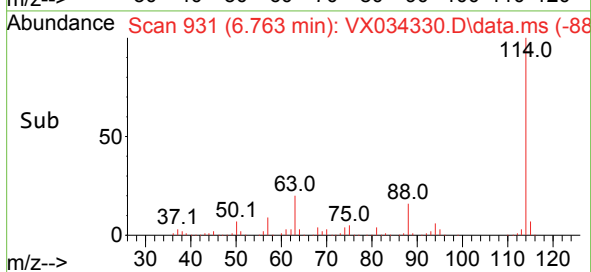
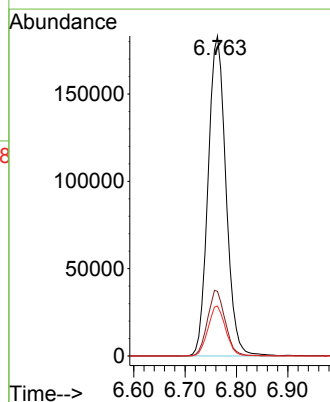
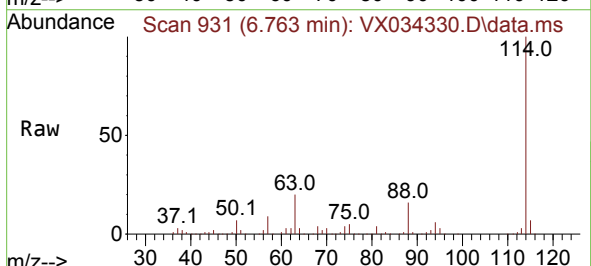
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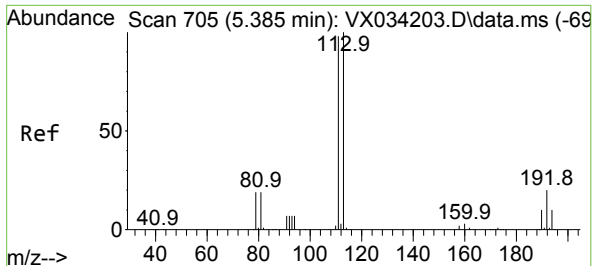
Tgt Ion: 65 Resp: 159673
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8



#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

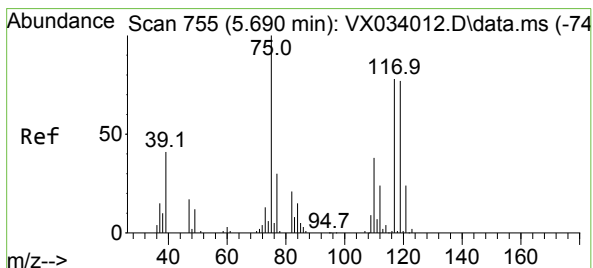
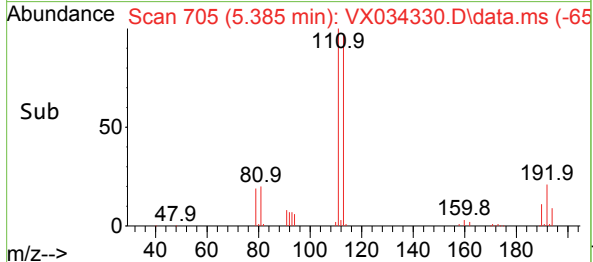
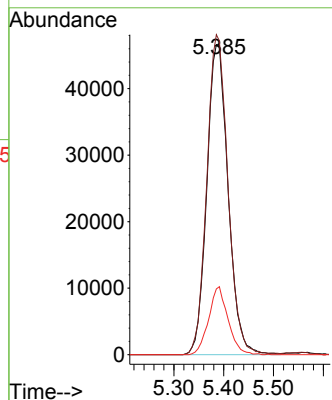
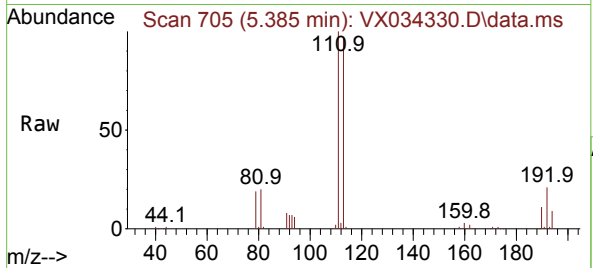




#35
Dibromofluoromethane
Concen: 48.131 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

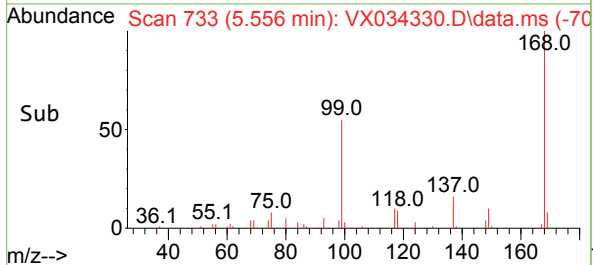
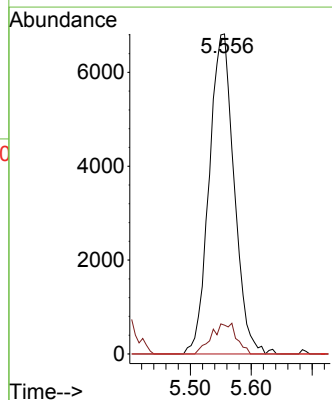
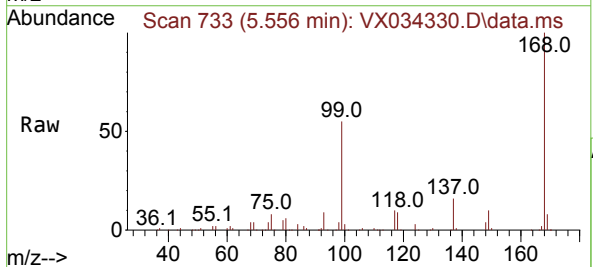
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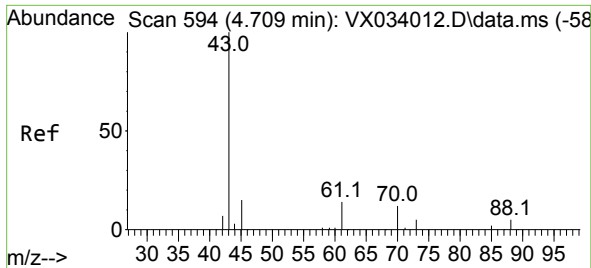
Tgt Ion:113 Resp: 138364
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.6
192 20.0 19.0 28.4



#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#

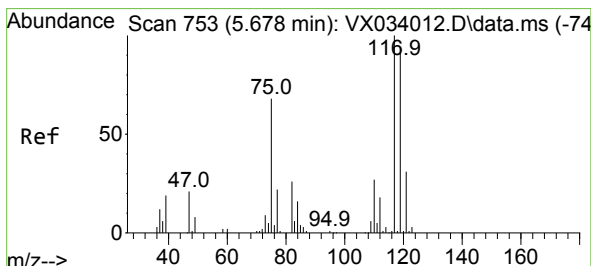
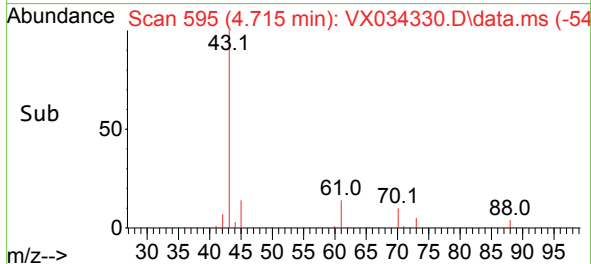
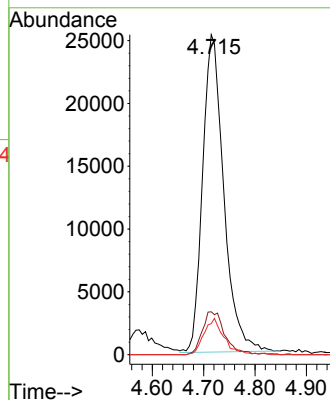
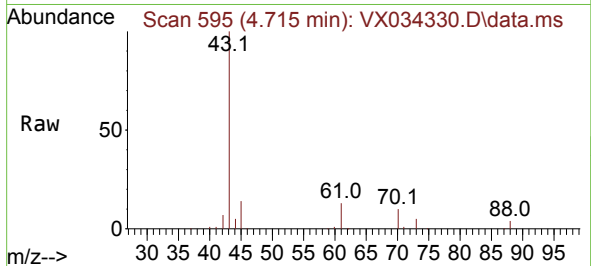




#37
Ethyl Acetate
Concen: 15.210 ug/l
RT: 4.715 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

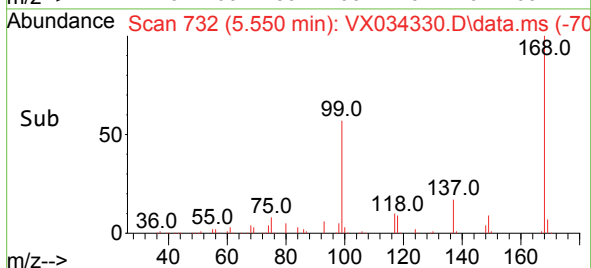
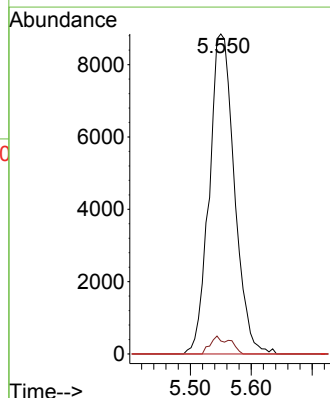
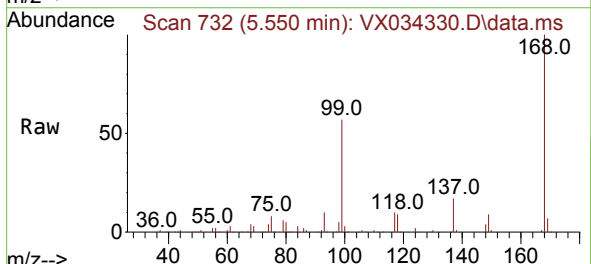
Instrument :
MSVOA_X
ClientSampleId :
CE-54-030123

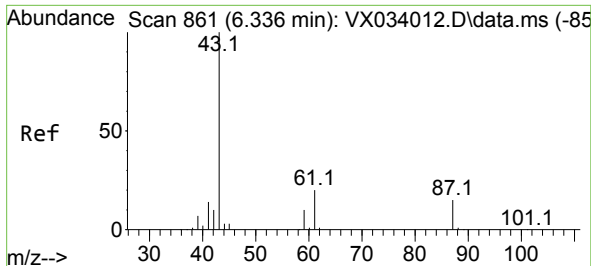
Tgt Ion:	43	Resp:	72269
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	10.8	8.5	12.7



#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#

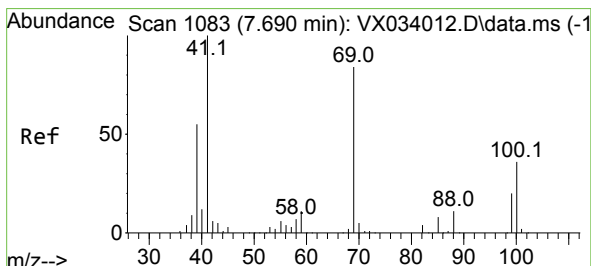
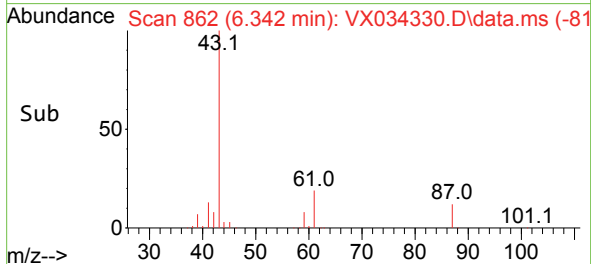
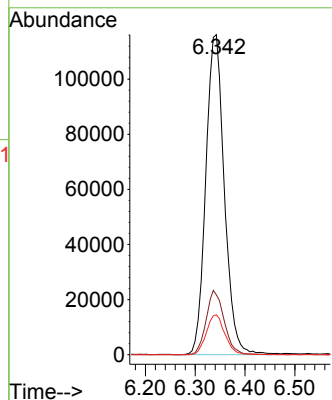
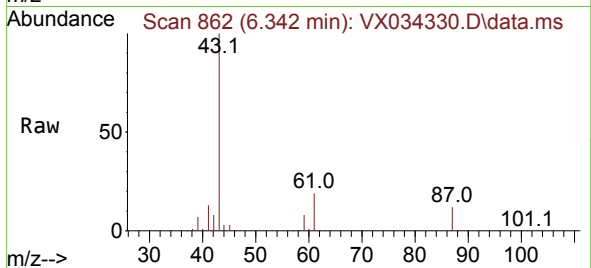




#43
Isopropyl Acetate
Concen: 35.805 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

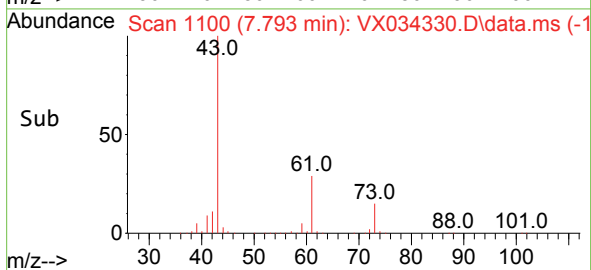
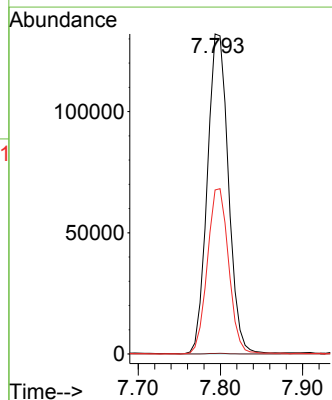
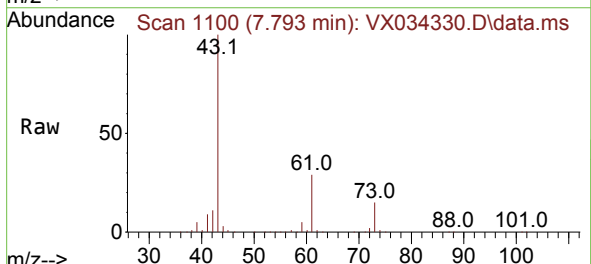
Instrument :
MSVOA_X
ClientSampleId :
CE-54-030123

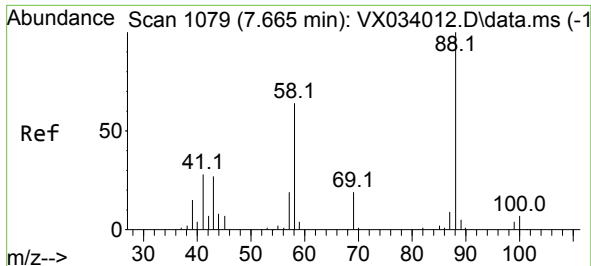
Tgt Ion: 43 Resp: 300214
Ion Ratio Lower Upper
43 100
61 19.5 15.7 23.5
87 12.4 10.6 15.8



#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

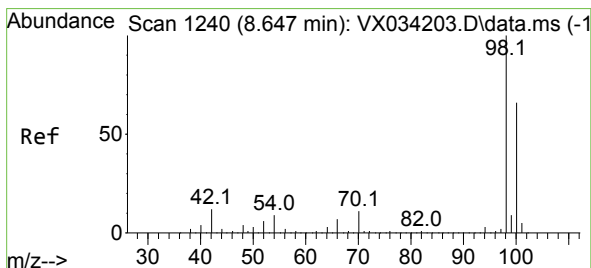
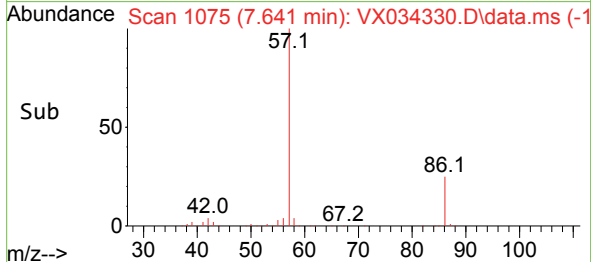
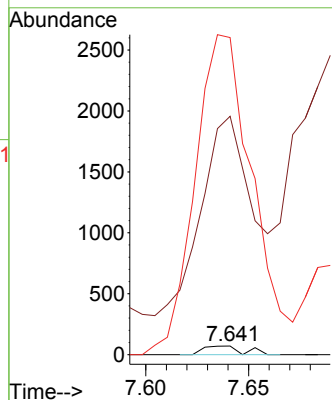
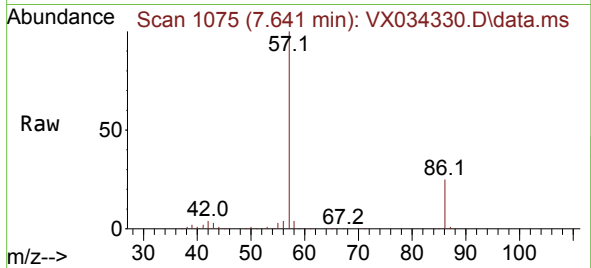




#49
1,4-Dioxane
Concen: 1.197 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.012 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

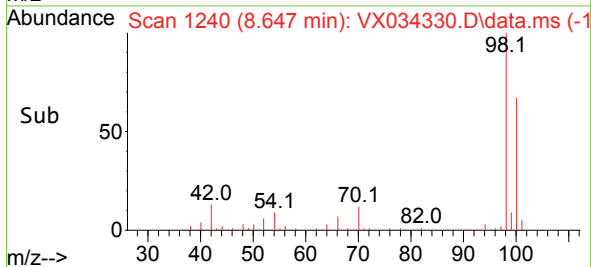
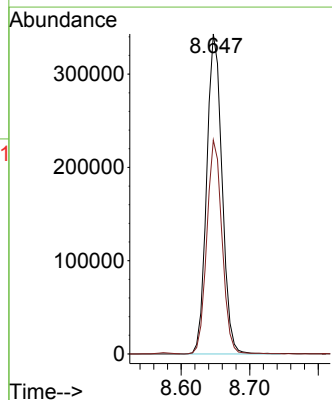
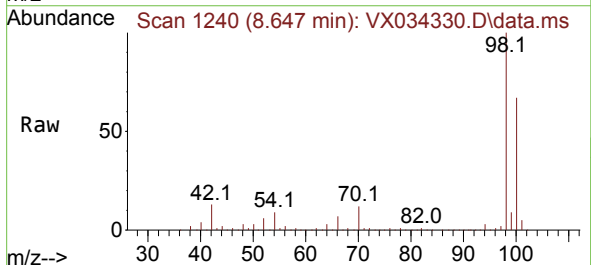
Instrument :
MSVOA_X
ClientSampleId :
CE-54-030123

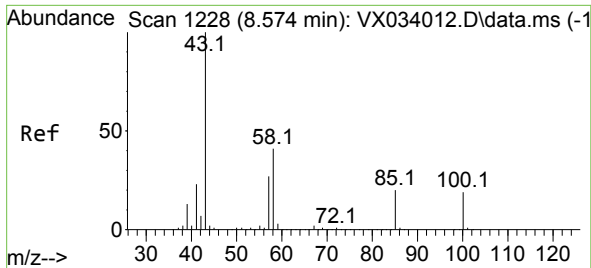
Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 5381.1 56.5 84.7#



#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

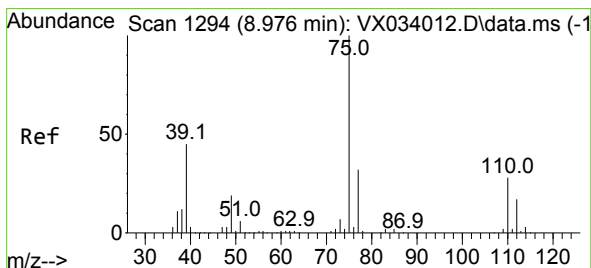
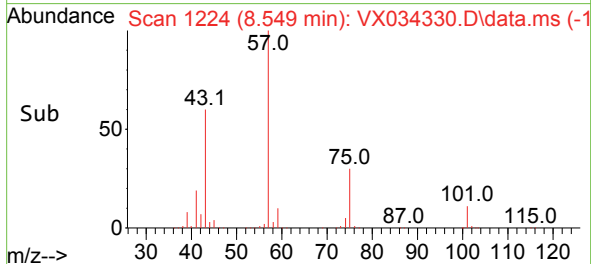
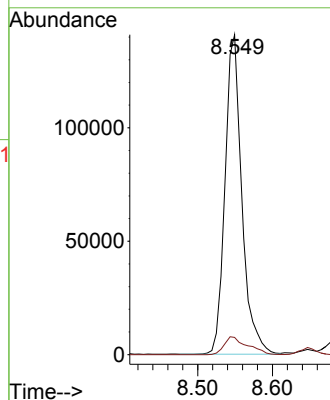
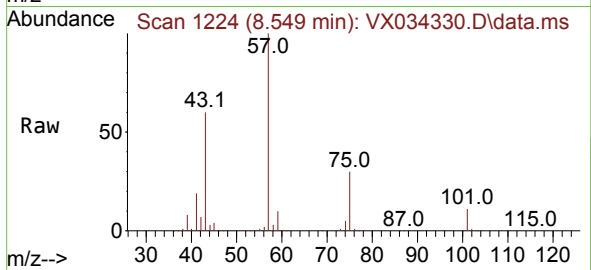




#51
4-Methyl-2-Pentanone
Concen: 47.929 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

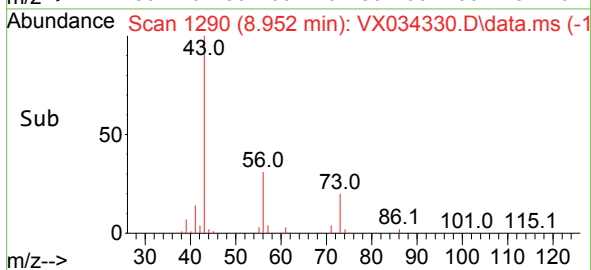
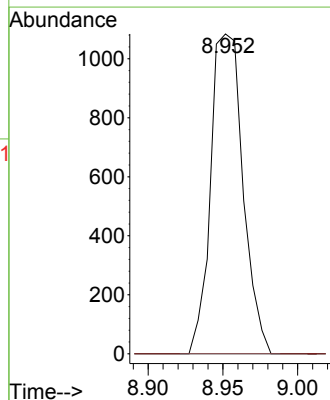
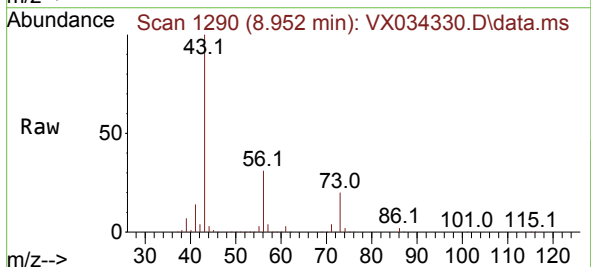
Instrument :
MSVOA_X
ClientSampleId :
CE-54-030123

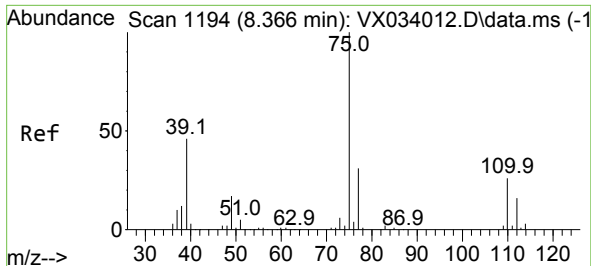
Tgt Ion: 43 Resp: 221098
Ion Ratio Lower Upper
43 100
58 7.8 31.2 46.8#



#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#

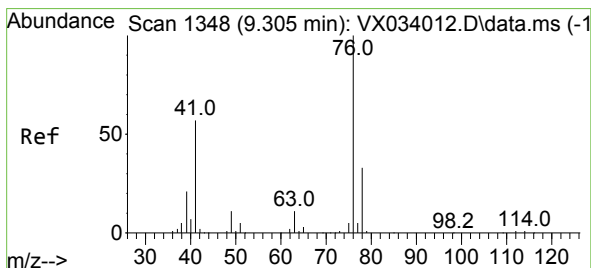
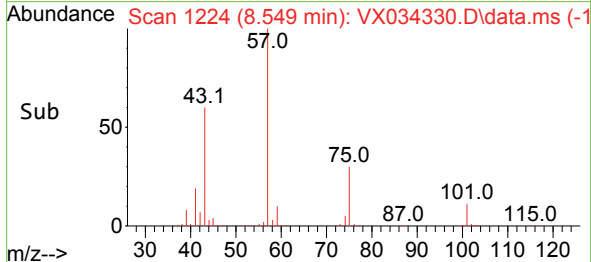
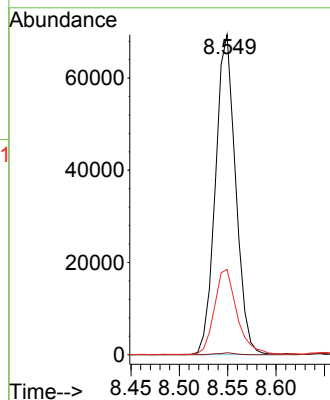
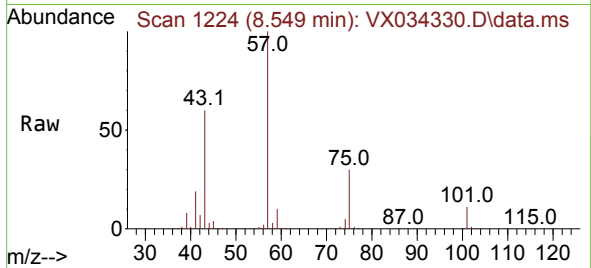




#54
 cis-1,3-Dichloropropene
 Concen: 18.039 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034330.D
 Acq: 03 Mar 2023 18:09

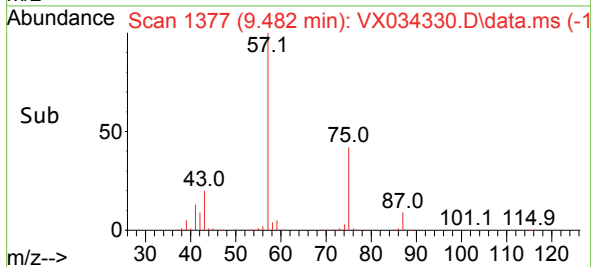
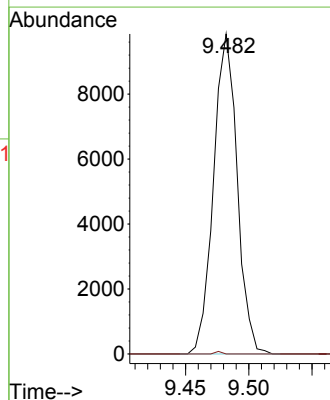
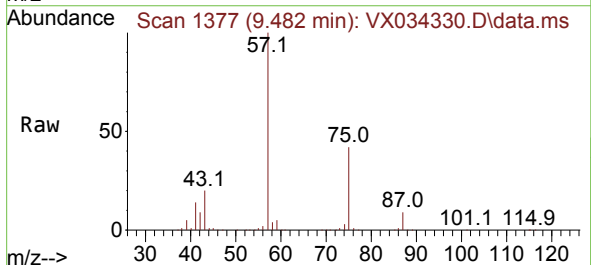
Instrument :
 MSVOA_X
 ClientSampleId :
 CE-54-030123

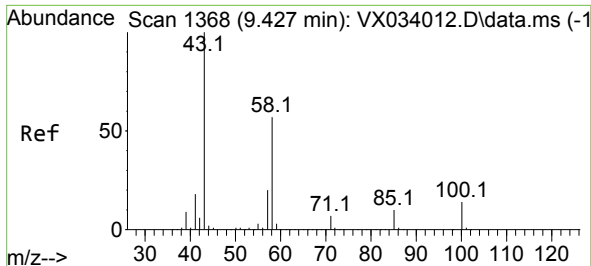
Tgt Ion: 75 Resp: 100697
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 26.5 38.6 58.0#



#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#

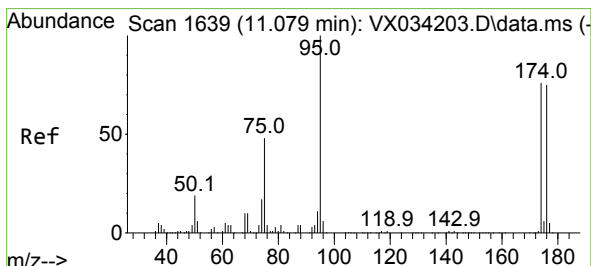
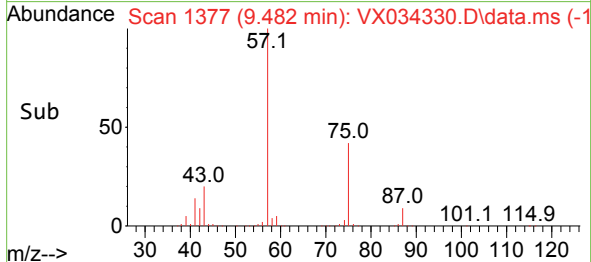
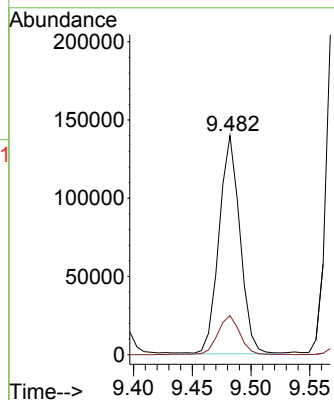
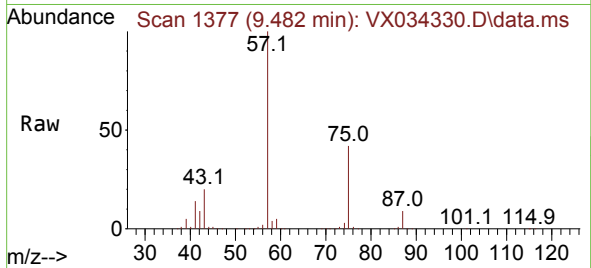




#59
2-Hexanone
Concen: 49.433 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

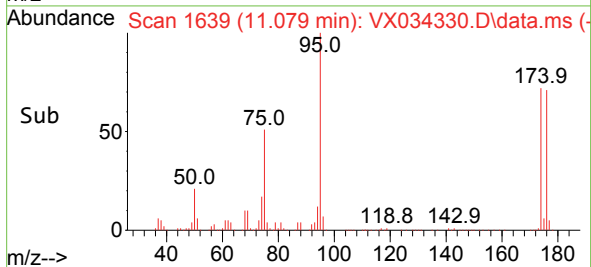
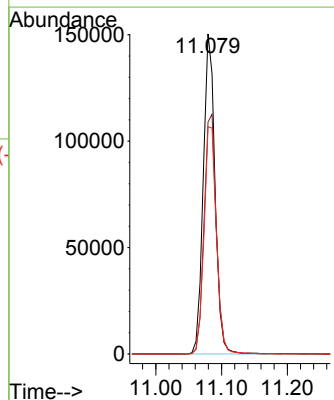
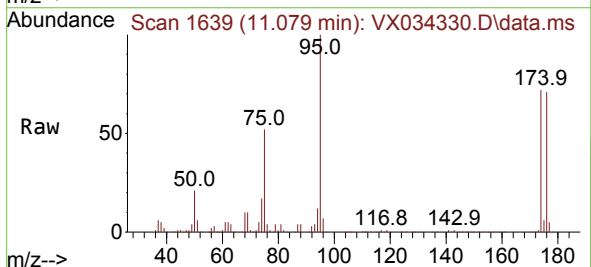
Instrument :
MSVOA_X
ClientSampleId :
CE-54-030123

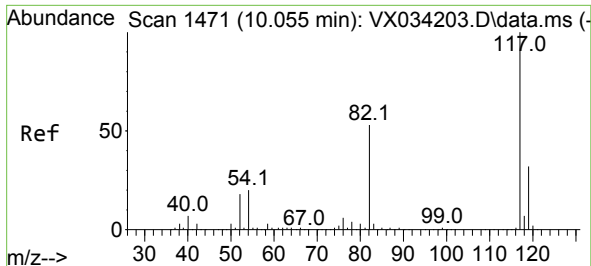
Tgt Ion: 43 Resp: 173788
Ion Ratio Lower Upper
43 100
58 19.0 27.4 82.0#



#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

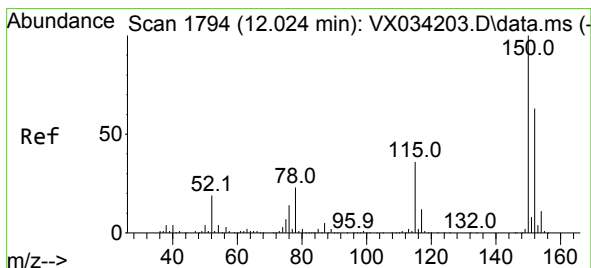
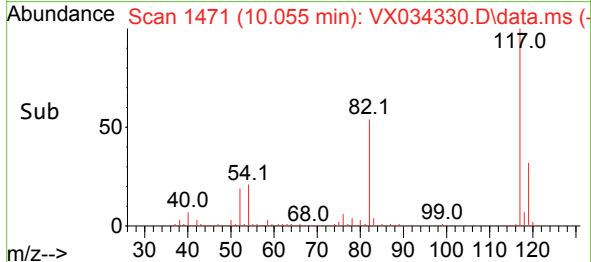
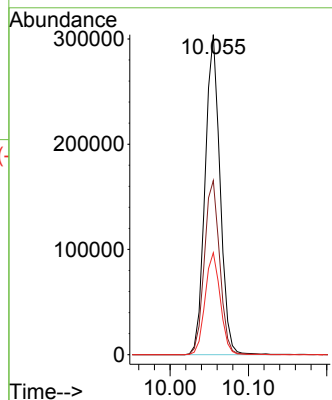
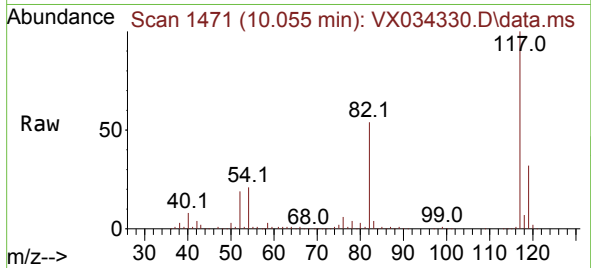




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034330.D
Acq: 03 Mar 2023 18:09

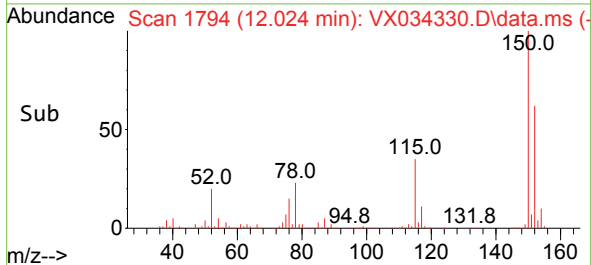
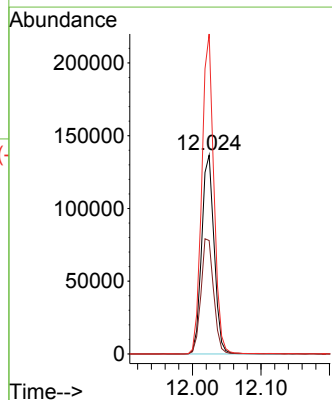
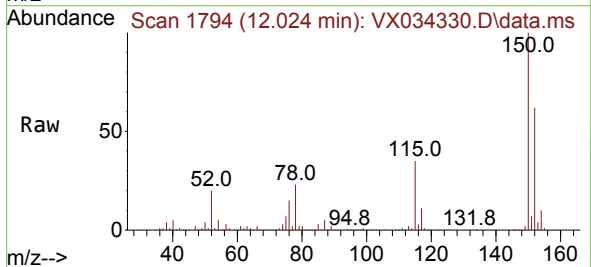
Instrument :
MSVOA_X
ClientSampleId :
CE-54-030123

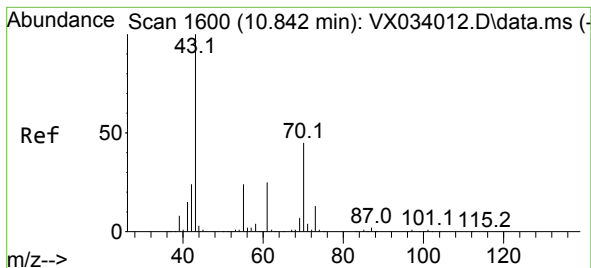
Tgt Ion:117	Resp: 401903
Ion Ratio	Lower Upper
117 100	
82 54.4	40.6 60.8
119 31.8	25.6 38.4



#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# 1

Delta R.T. -0.201 min

Lab File: VX034330.D

Acq: 03 Mar 2023 18:09

Instrument :

MSVOA_X

ClientSampleId :

CE-54-030123

Tgt Ion: 43 Resp: 67202

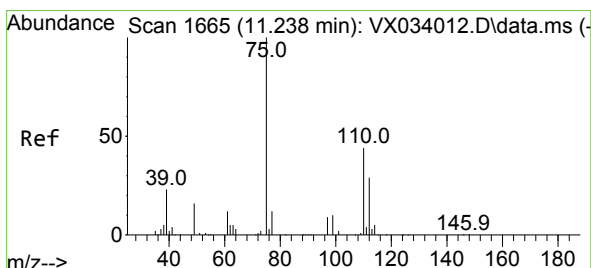
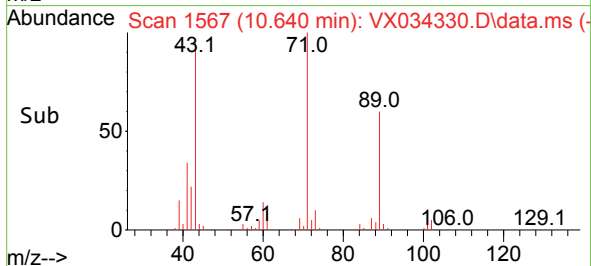
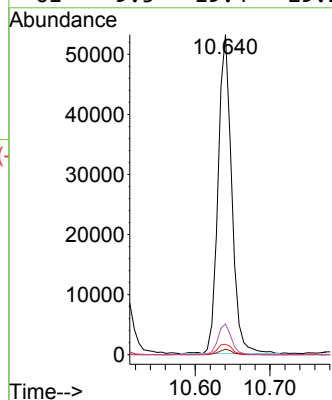
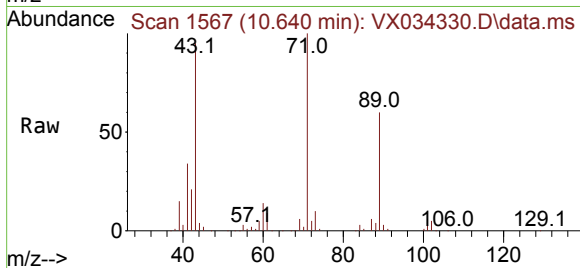
Ion Ratio Lower Upper

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

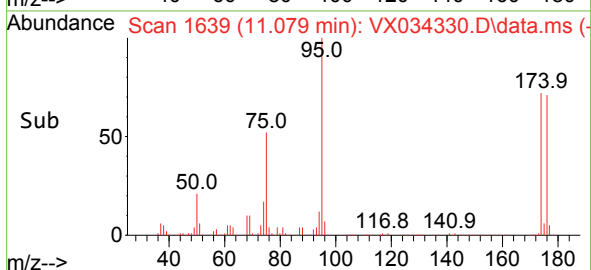
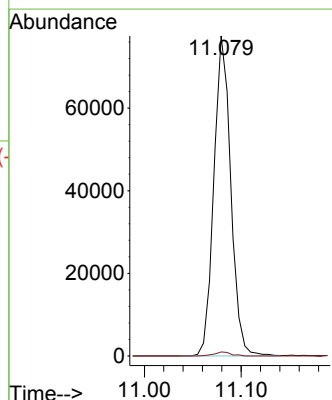
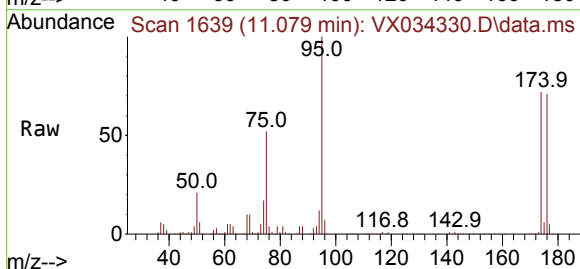
Acq: 03 Mar 2023 18:09

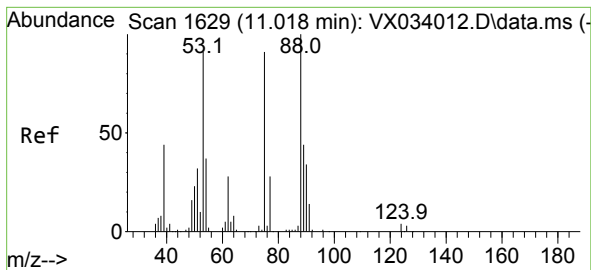
Tgt Ion: 75 Resp: 94194

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 :
 CE-54-030123

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#

