

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034332.D
 Acq On : 03 Mar 2023 18:56
 Operator : JC/MD
 Sample : 01767-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CE-33-030123

Quant Time: Mar 03 22:17:12 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)

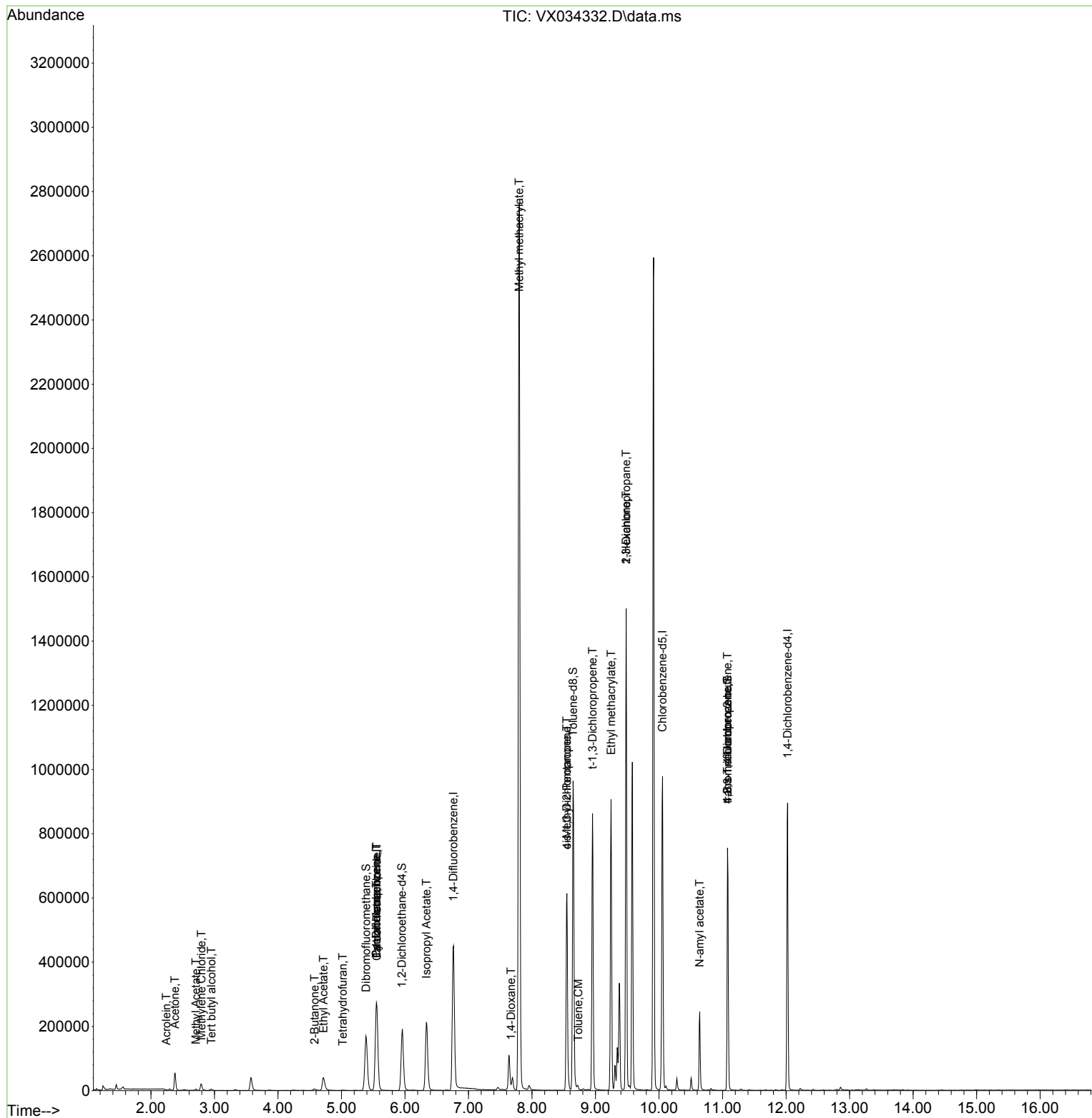
Internal Standards						
1) Pentafluorobenzene	5.550	168	274294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	464211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	429165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	187100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	169778	45.959	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.920%		
35) Dibromofluoromethane	5.385	113	144712	47.879	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.760%		
50) Toluene-d8	8.647	98	569915	52.519	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	105.040%		
62) 4-Bromofluorobenzene	11.079	95	197700	47.629	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.260%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	23	Below Cal	#	12
11) Tert butyl alcohol	2.953	59	2726	3.299	ug/l #	92
13) Acrolein	2.239	56	507	1.344	ug/l	83
16) Acetone	2.380	43	57915	30.392	ug/l	92
18) Methyl Acetate	2.709	43	4570	0.775	ug/l	95
20) Methylene Chloride	2.794	84	10251	2.986	ug/l	88
25) 2-Butanone	4.574	43	7500	2.720	ug/l	96
29) Tetrahydrofuran	5.019	42	879	0.523	ug/l	93
31) Cyclohexane	5.550	56	6051	1.097	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20770	4.647	ug/l #	48
37) Ethyl Acetate	4.715	43	72220	14.457	ug/l	99
38) Carbon Tetrachloride	5.556	117	26247	5.706	ug/l #	15
43) Isopropyl Acetate	6.336	43	300061	34.038	ug/l	99
48) Methyl methacrylate	7.799	41	235923	56.385	ug/l #	46
49) 1,4-Dioxane	7.671	88	128	1.534	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	221499	45.669	ug/l #	49
52) Toluene	8.726	92	4234	0.528	ug/l	95
53) t-1,3-Dichloropropene	8.952	75	1895	0.346	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	100915	17.195	ug/l #	59
56) Ethyl methacrylate	9.244	69	1616	0.295	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	12643	2.243	ug/l #	43
59) 2-Hexanone	9.482	43	172578	46.689	ug/l #	51
74) N-amyl acetate	10.640	43	65981	9.210	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	101101	21.474	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	101101	55.166	ug/l #	8

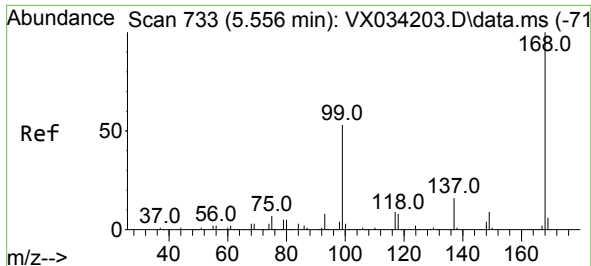
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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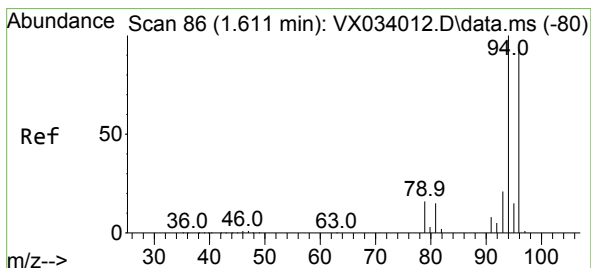
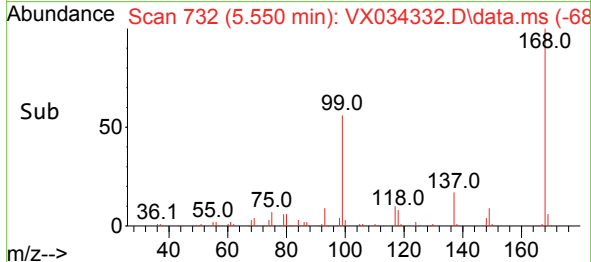
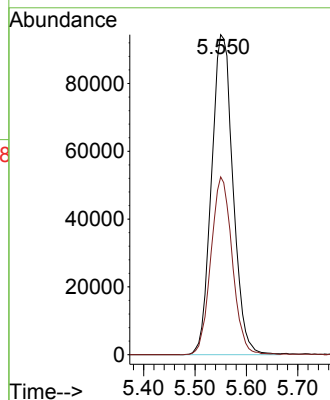
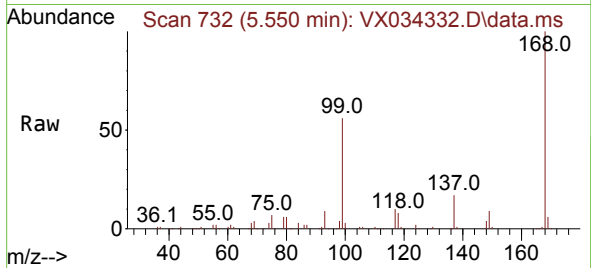




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

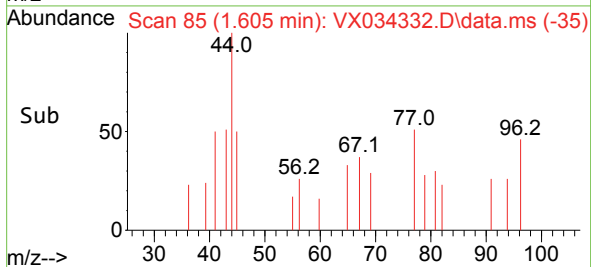
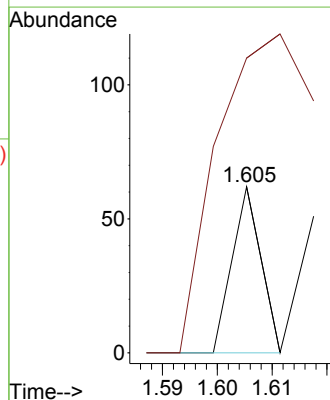
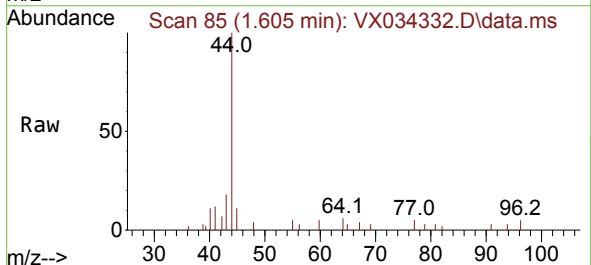
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

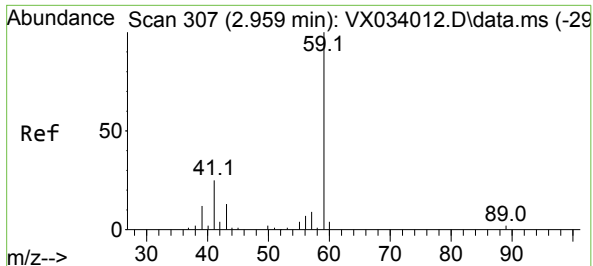
Tgt Ion:168 Resp: 274294
Ion Ratio Lower Upper
168 100
99 55.6 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion: 94 Resp: 23
Ion Ratio Lower Upper
94 100
96 177.4 74.3 111.5#





#11

Tert butyl alcohol

Concen: 3.299 ug/l

RT: 2.953 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX034332.D

Acq: 03 Mar 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

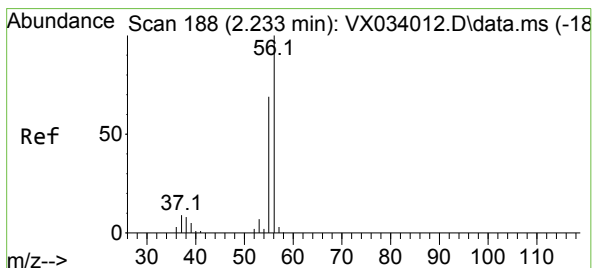
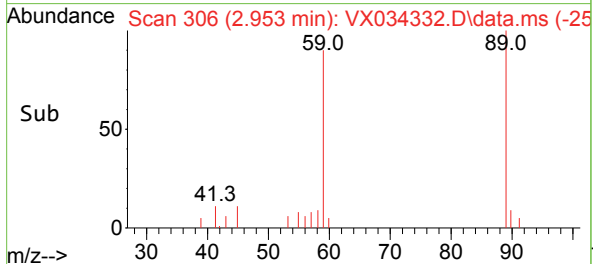
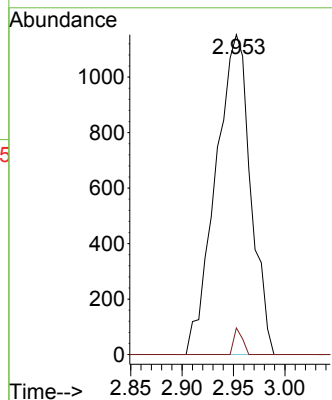
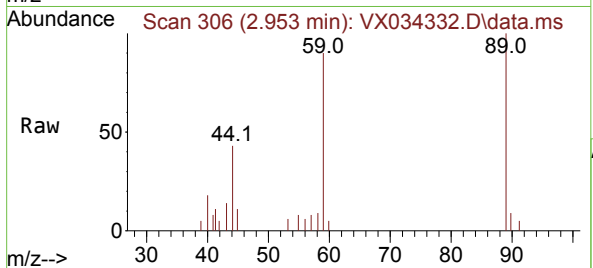
CE-33-030123

Tgt Ion: 59 Resp: 2726

Ion Ratio Lower Upper

59 100

57 2.1 3.7 5.5#



#13

Acrolein

Concen: 1.344 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX034332.D

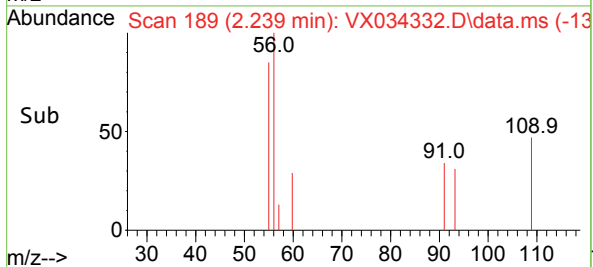
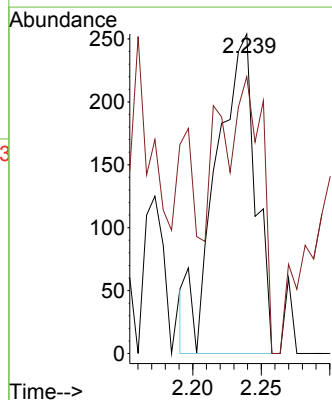
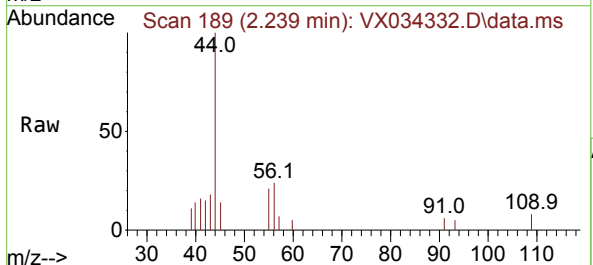
Acq: 03 Mar 2023 18:56

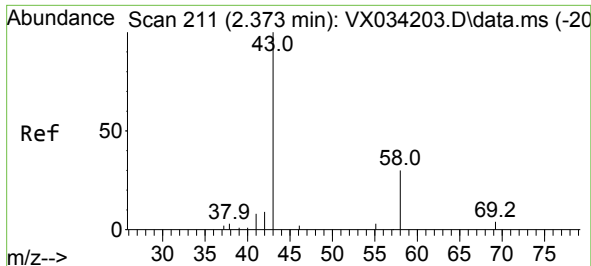
Tgt Ion: 56 Resp: 507

Ion Ratio Lower Upper

56 100

55 56.6 56.3 84.5

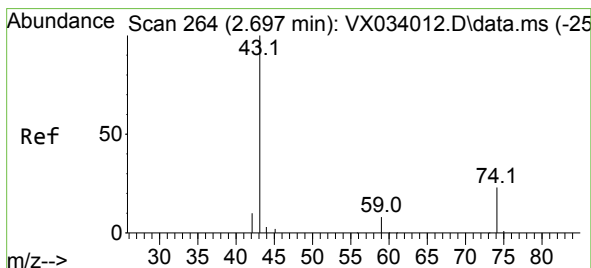
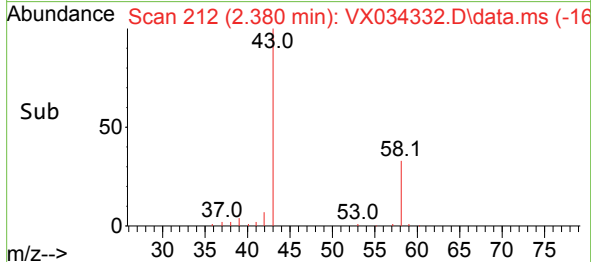
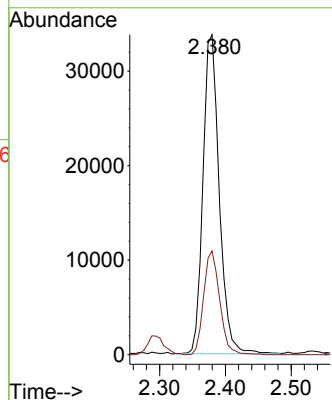
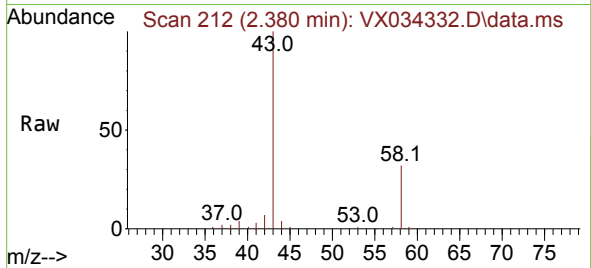




#16
Acetone
Concen: 30.392 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

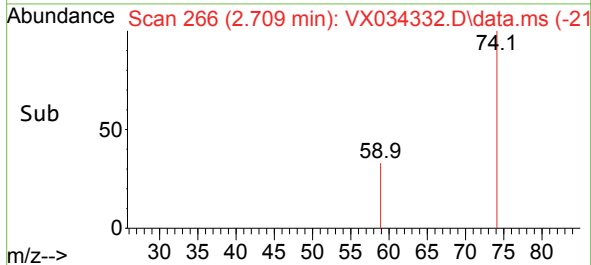
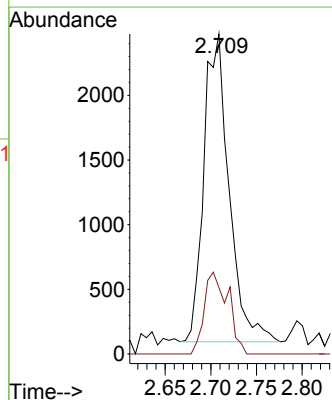
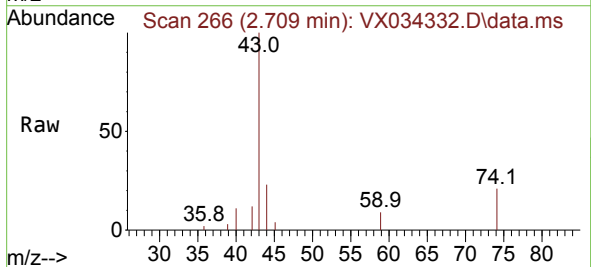
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

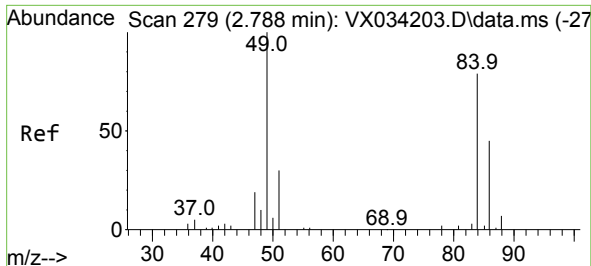
Tgt Ion: 43 Resp: 57915
Ion Ratio Lower Upper
43 100
58 32.6 22.6 33.8



#18
Methyl Acetate
Concen: 0.775 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion: 43 Resp: 4570
Ion Ratio Lower Upper
43 100
74 25.3 18.2 27.4

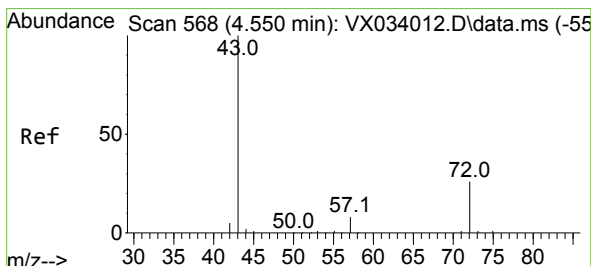
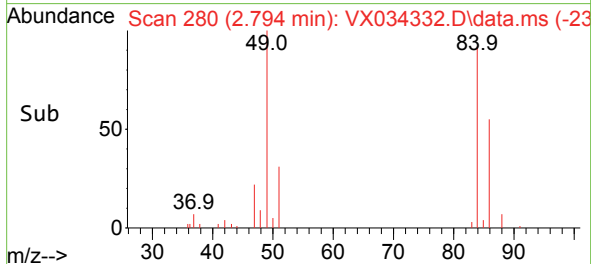
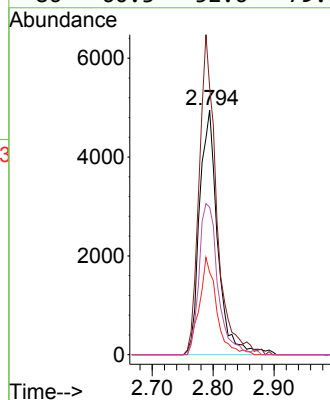
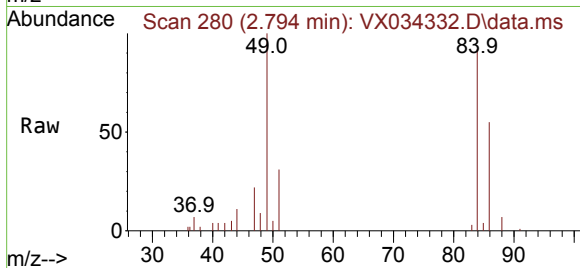




#20
Methylene Chloride
Concen: 2.986 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

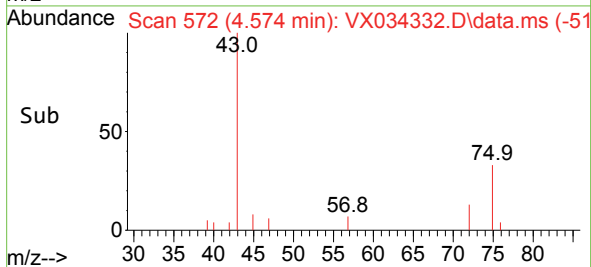
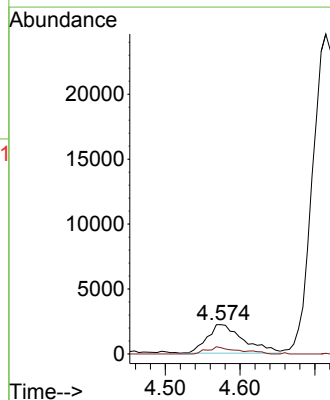
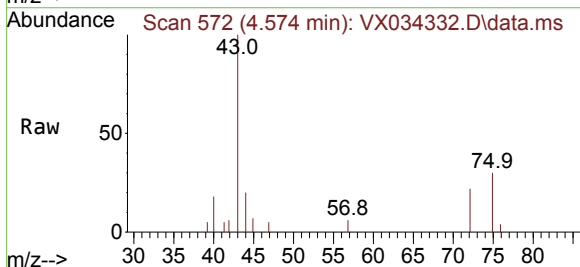
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

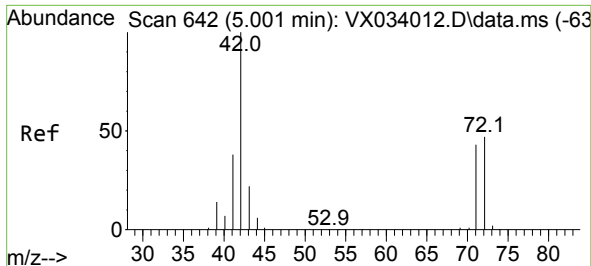
Tgt Ion:	84	Resp:	10251
Ion	Ratio	Lower	Upper
84	100		
49	109.3	101.1	151.7
51	33.6	31.0	46.6
86	60.3	52.6	79.0



#25
2-Butanone
Concen: 2.720 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.031 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion:	43	Resp:	7500
Ion	Ratio	Lower	Upper
43	100		
72	22.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.523 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX034332.D

Acq: 03 Mar 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

CE-33-030123

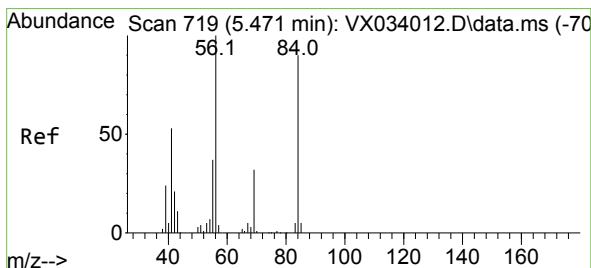
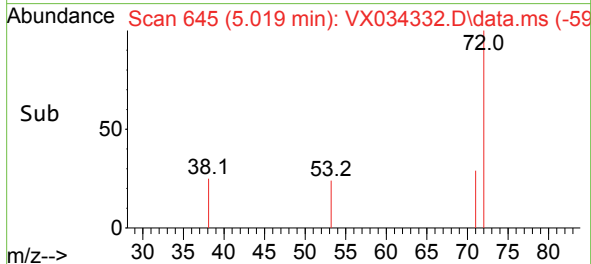
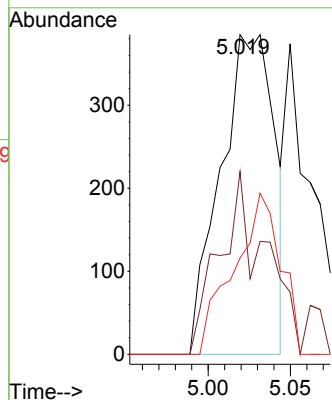
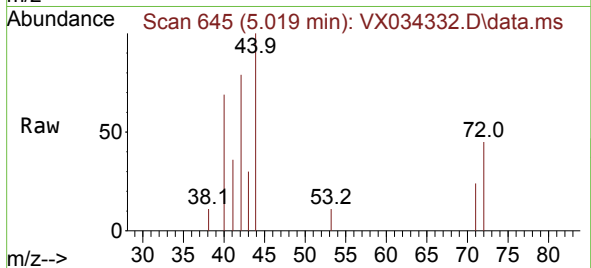
Tgt Ion: 42 Resp: 879

Ion Ratio Lower Upper

42 100

72 48.4 34.8 52.2

71 43.6 32.2 48.2



#31

Cyclohexane

Concen: 1.097 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX034332.D

Acq: 03 Mar 2023 18:56

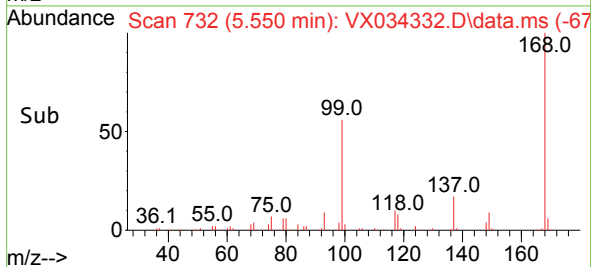
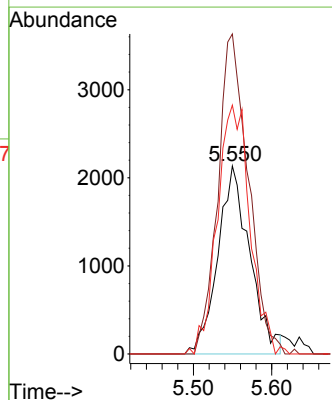
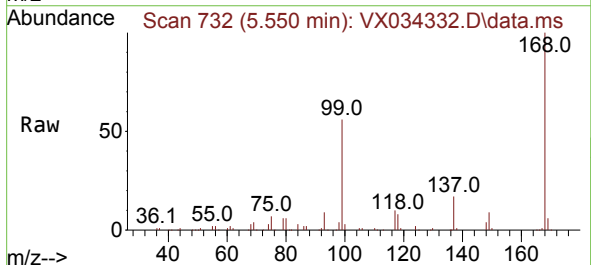
Tgt Ion: 56 Resp: 6051

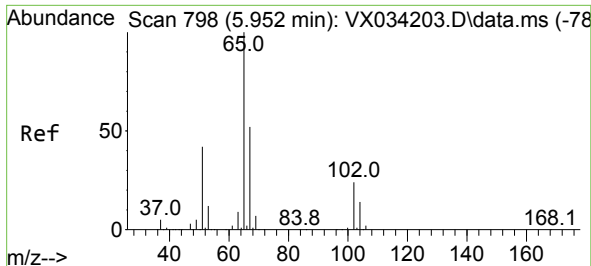
Ion Ratio Lower Upper

56 100

69 170.2 24.6 37.0#

84 132.4 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.959 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX034332.D

Acq: 03 Mar 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

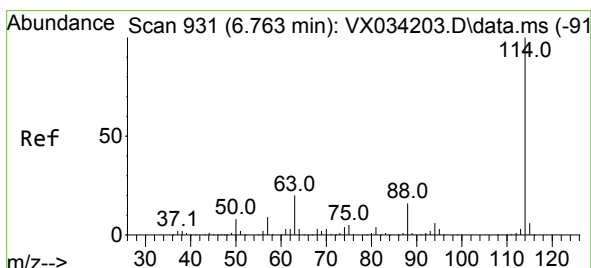
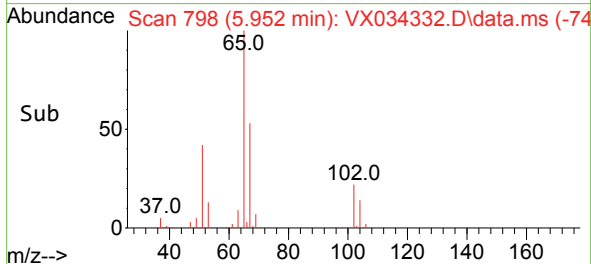
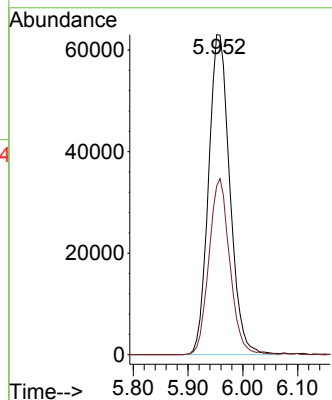
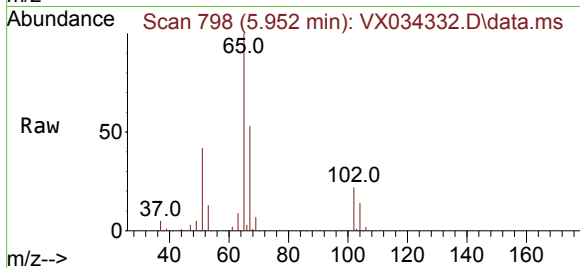
CE-33-030123

Tgt Ion: 65 Resp: 169778

Ion Ratio Lower Upper

65 100

67 53.9 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: VX034332.D

Acq: 03 Mar 2023 18:56

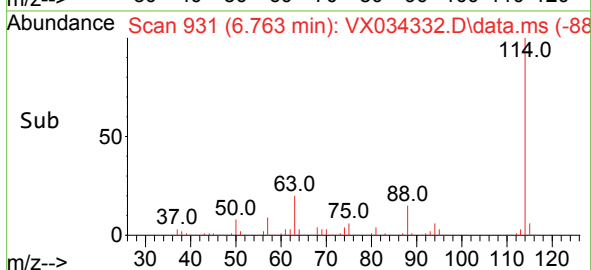
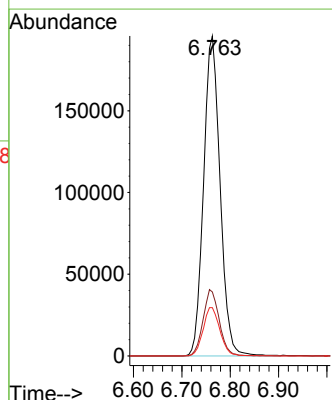
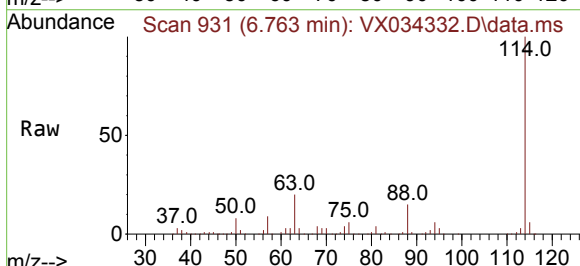
Tgt Ion: 114 Resp: 464211

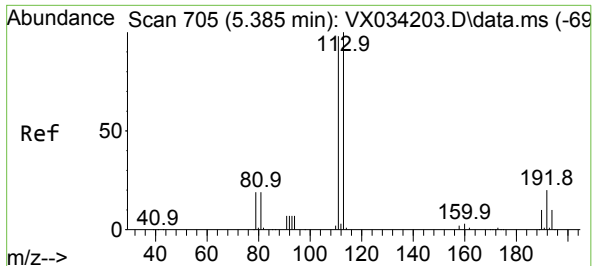
Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 15.1 0.0 30.6

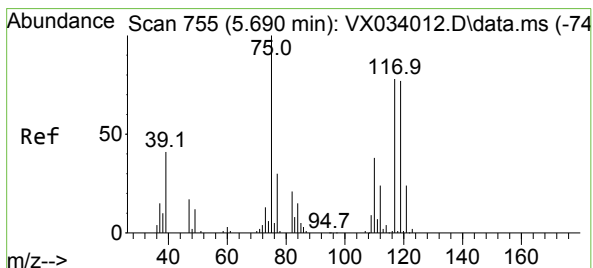
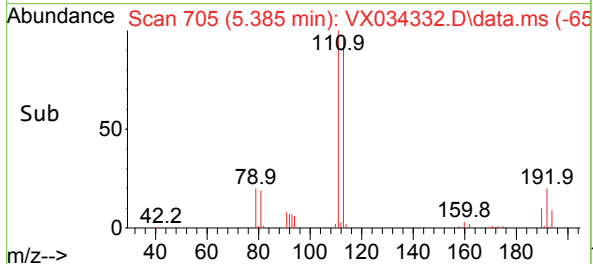
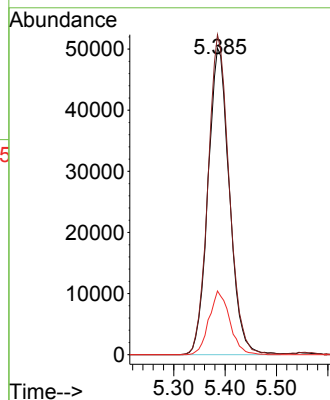
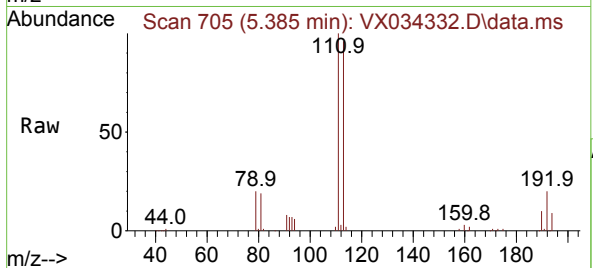




#35
Dibromofluoromethane
Concen: 47.879 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

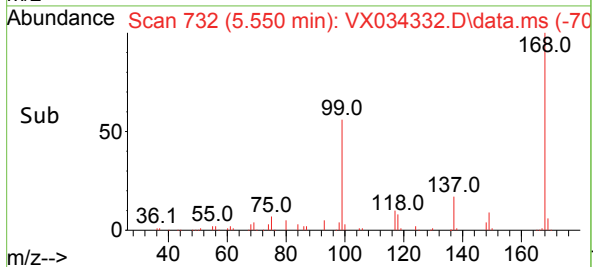
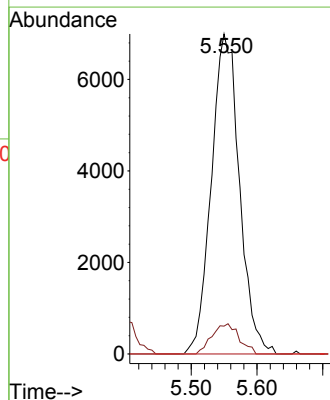
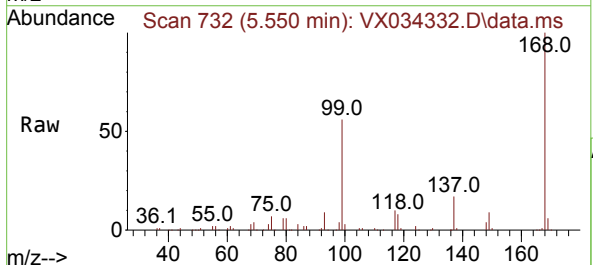
Instrument :
MSVOA_X
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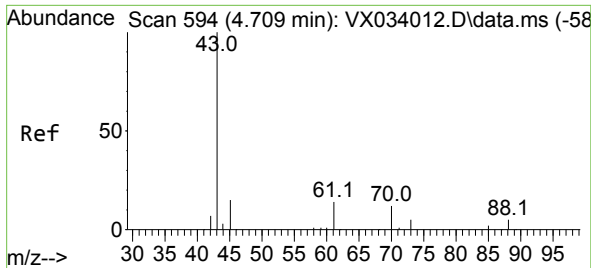
Tgt Ion:113 Resp: 144712
Ion Ratio Lower Upper
113 100
111 103.8 83.0 124.6
192 20.1 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.647 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion: 75 Resp: 20770
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.4#
77 0.0 25.1 37.7#

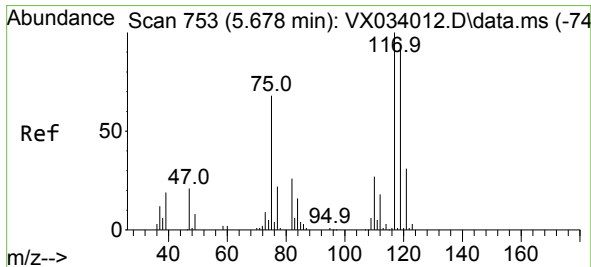
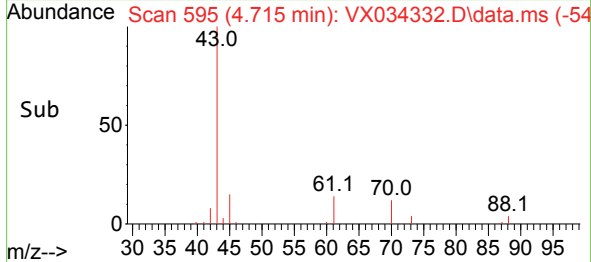
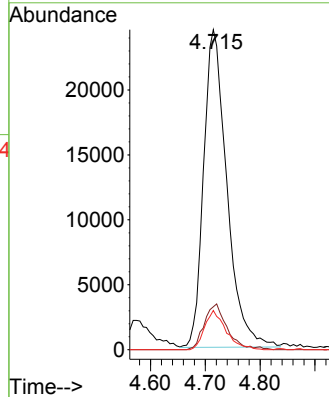
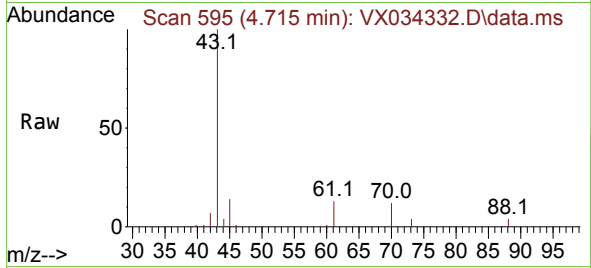




#37
Ethyl Acetate
Concen: 14.457 ug/l
RT: 4.715 min Scan# 594
Delta R.T. 0.006 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

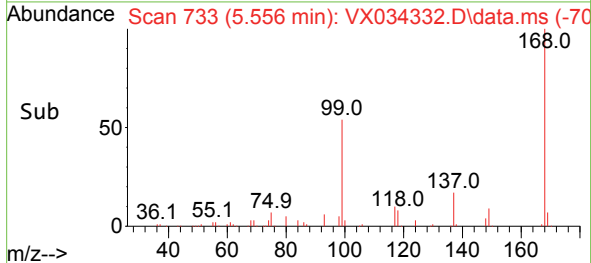
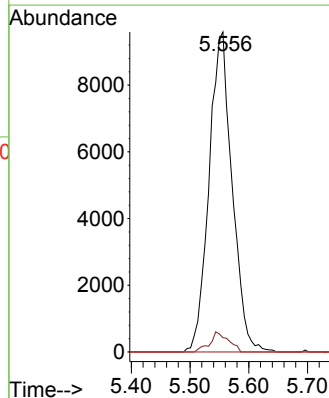
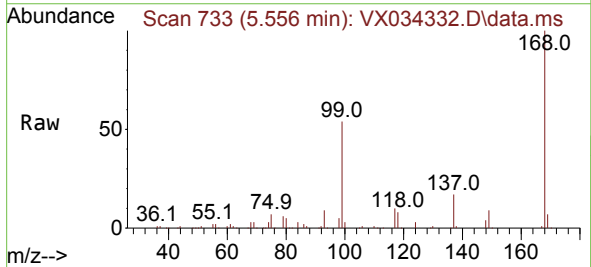
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

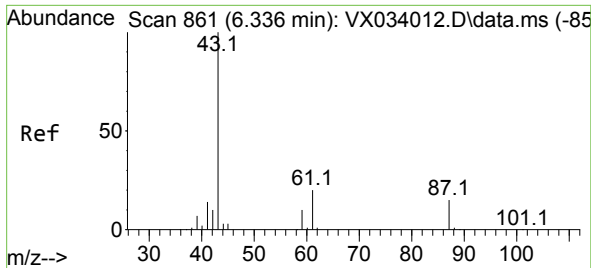
Tgt Ion: 43	Resp: 72220
Ion Ratio	Lower Upper
43 100	
61 14.2	11.1 16.7
70 11.3	8.5 12.7



#38
Carbon Tetrachloride
Concen: 5.706 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion: 117	Resp: 26247
Ion Ratio	Lower Upper
117 100	
119 4.4	78.0 117.0#
121 0.0	24.4 36.6#

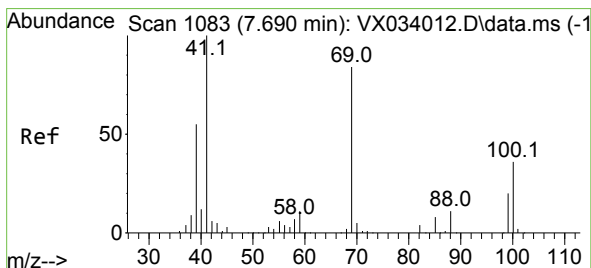
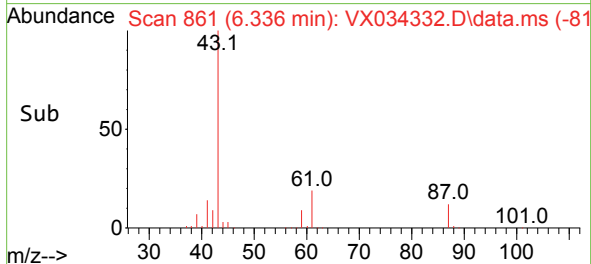
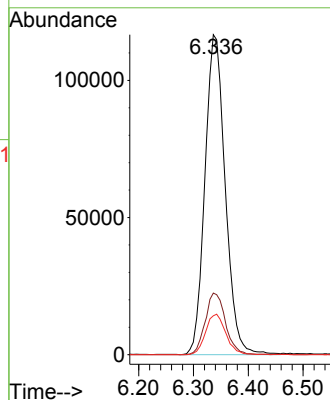
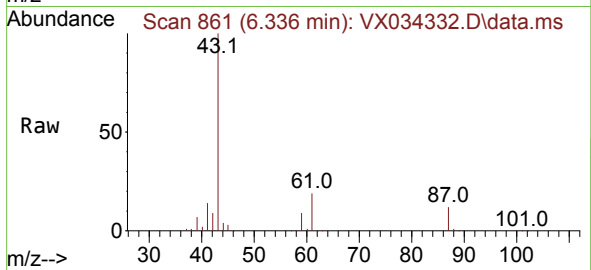




#43
Isopropyl Acetate
Concen: 34.038 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

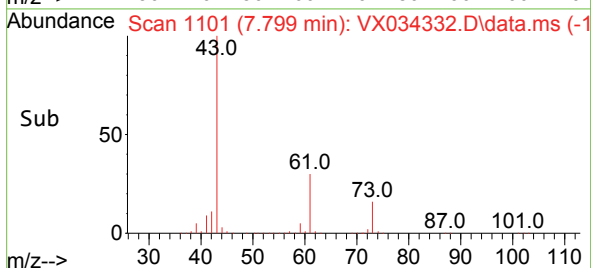
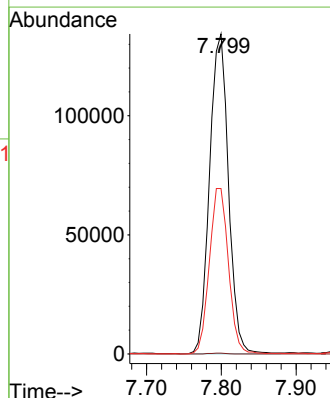
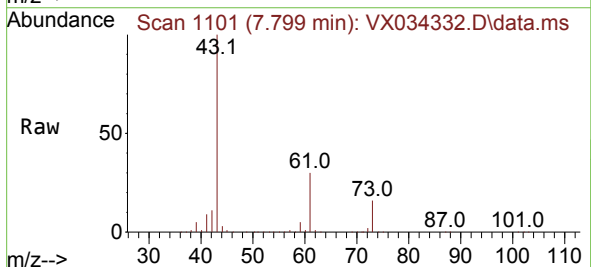
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

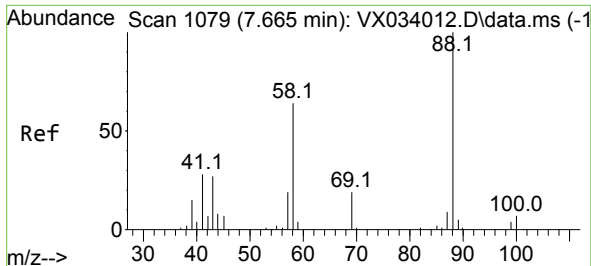
Tgt Ion: 43 Resp: 300061
Ion Ratio Lower Upper
43 100
61 19.2 15.7 23.5
87 12.5 10.6 15.8



#48
Methyl methacrylate
Concen: 56.385 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion: 41 Resp: 235923
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 52.5 43.2 64.8

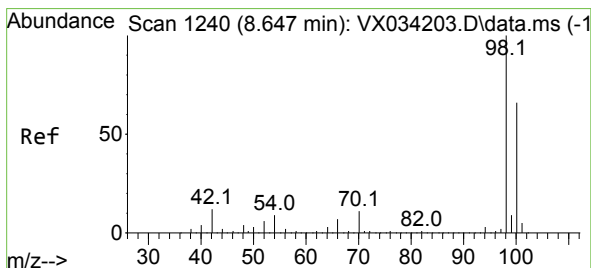
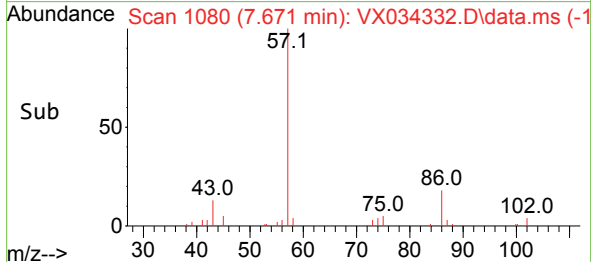
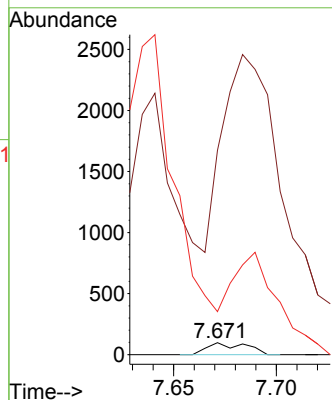
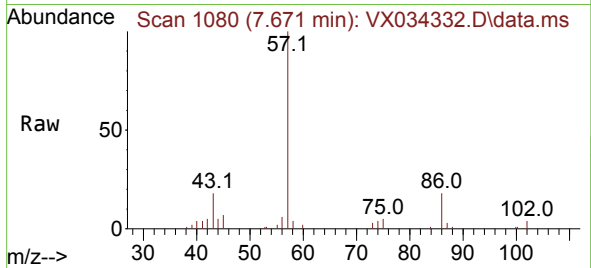




#49
1,4-Dioxane
Concen: 1.534 ug/l
RT: 7.671 min Scan# 1079
Delta R.T. 0.018 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

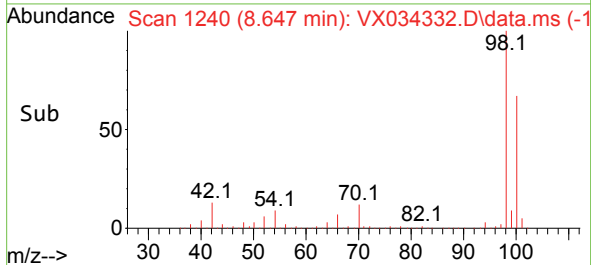
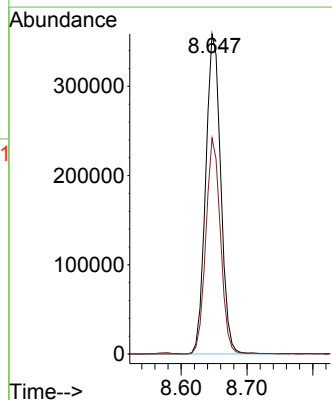
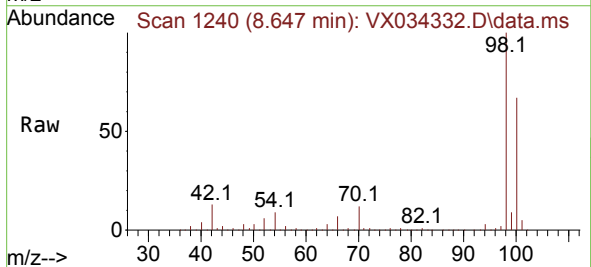
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

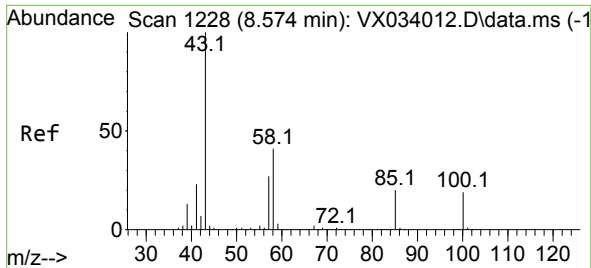
Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 1028.9 56.5 84.7#



#50
Toluene-d8
Concen: 52.519 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion: 98 Resp: 569915
Ion Ratio Lower Upper
98 100
100 65.8 53.6 80.4

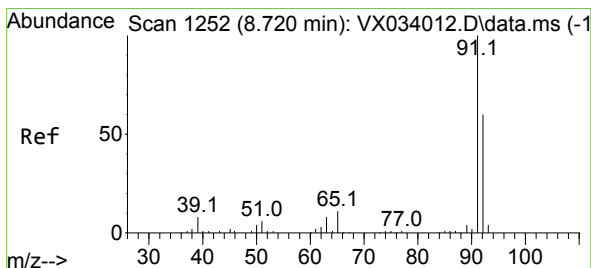
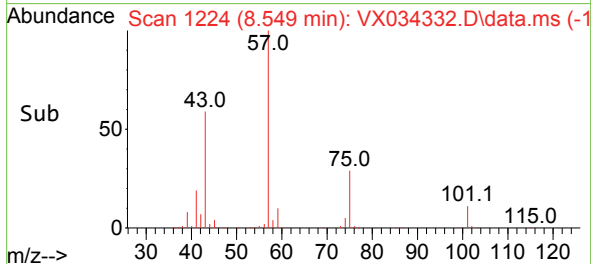
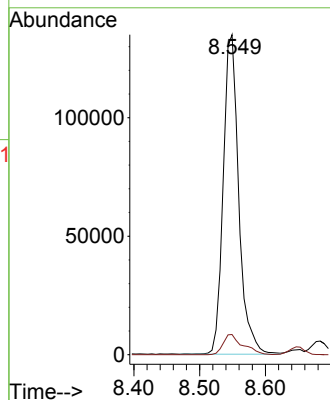
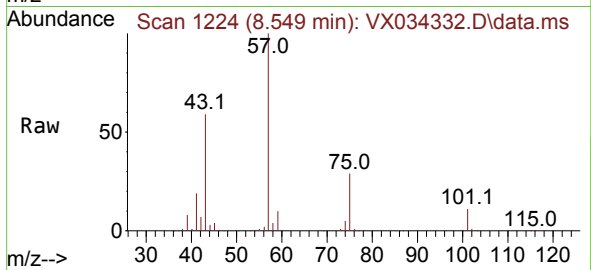




#51
4-Methyl-2-Pentanone
Concen: 45.669 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

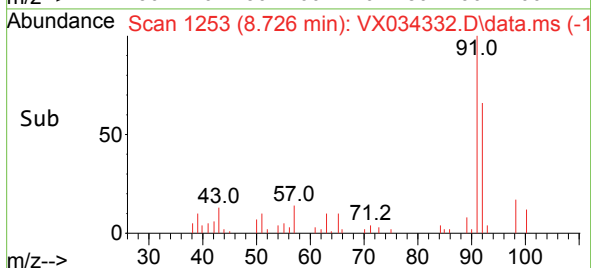
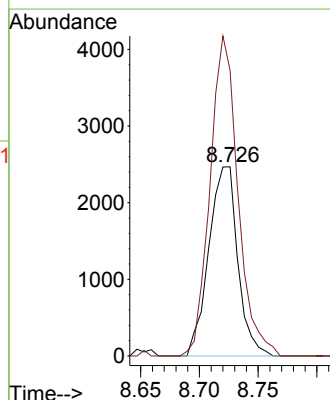
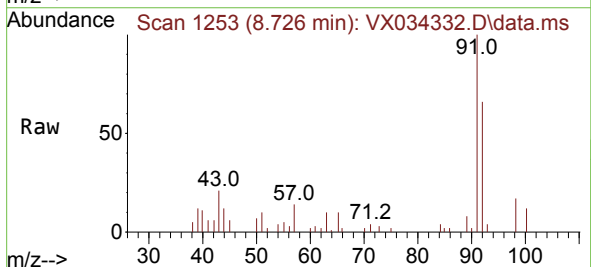
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

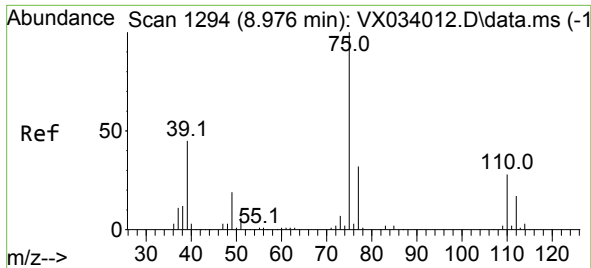
Tgt Ion: 43 Resp: 221499
Ion Ratio Lower Upper
43 100
58 8.0 31.2 46.8#



#52
Toluene
Concen: 0.528 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion: 92 Resp: 4234
Ion Ratio Lower Upper
92 100
91 163.0 135.5 203.3

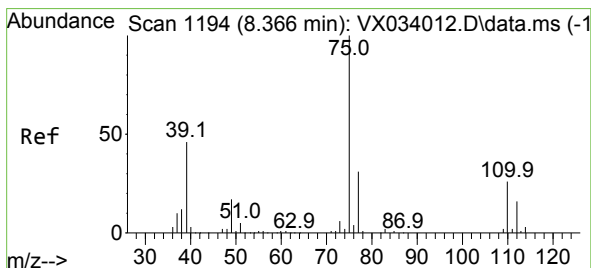
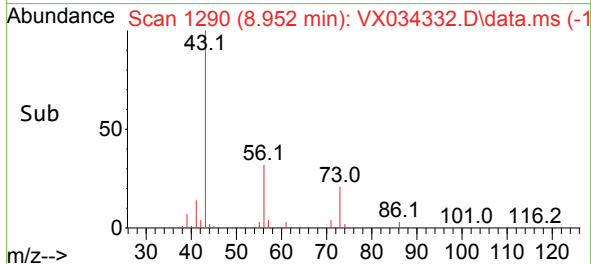
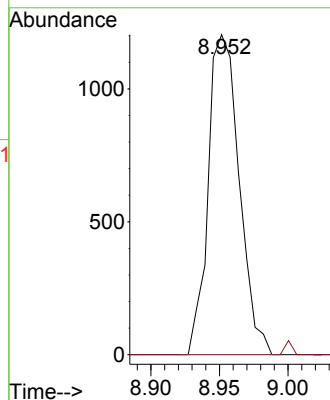
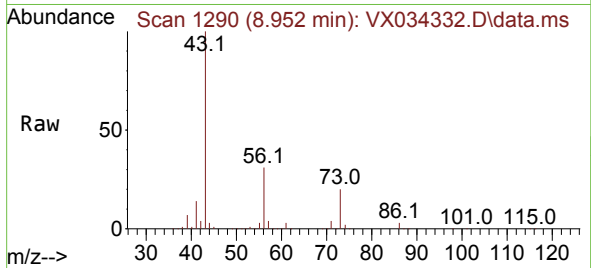




#53
 t-1,3-Dichloropropene
 Concen: 0.346 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034332.D
 Acq: 03 Mar 2023 18:56

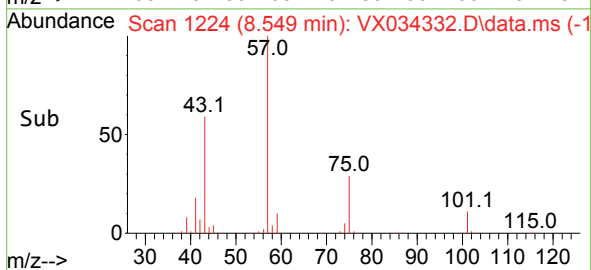
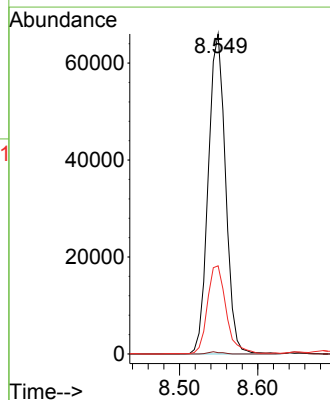
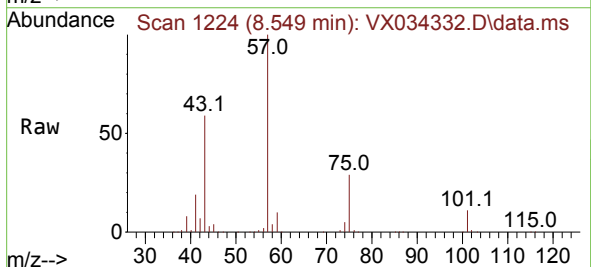
Instrument :
 MSVOA_X
 ClientSampleId :
 CE-33-030123

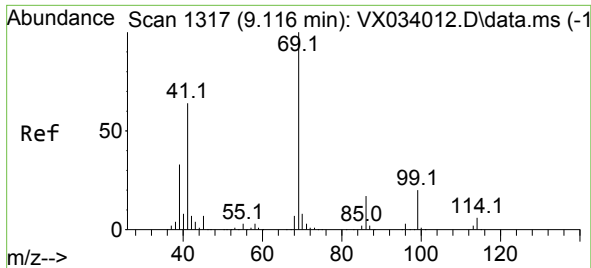
Tgt Ion: 75 Resp: 1895
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 17.195 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX034332.D
 Acq: 03 Mar 2023 18:56

Tgt Ion: 75 Resp: 100915
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.6#
 39 27.4 38.6 58.0#

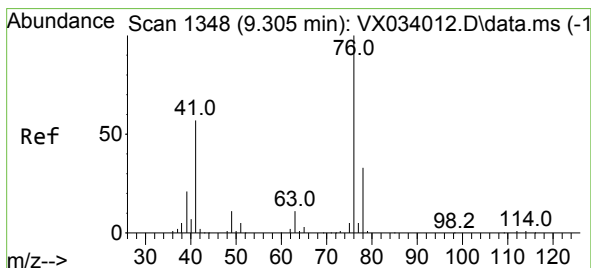
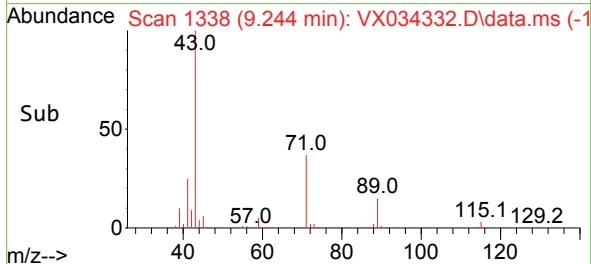
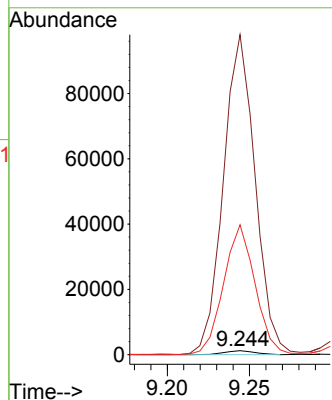
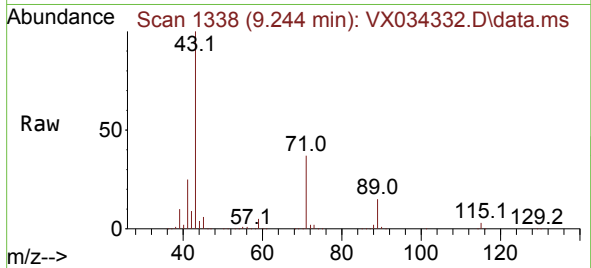




#56
Ethyl methacrylate
Concen: 0.295 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

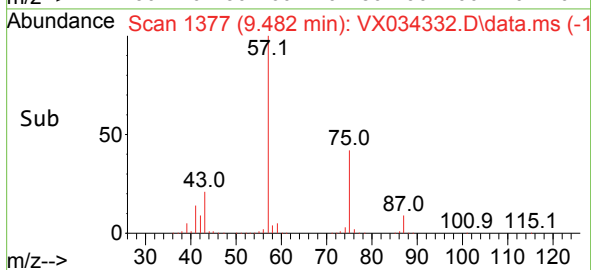
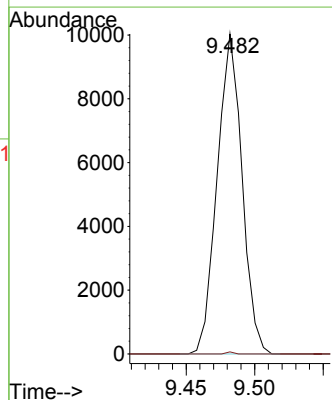
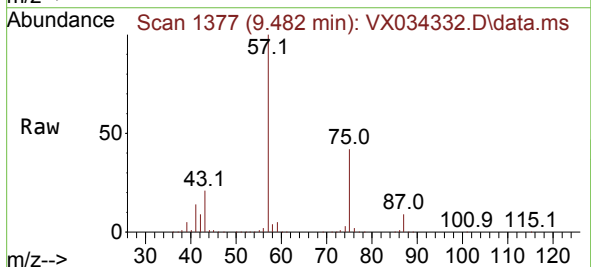
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

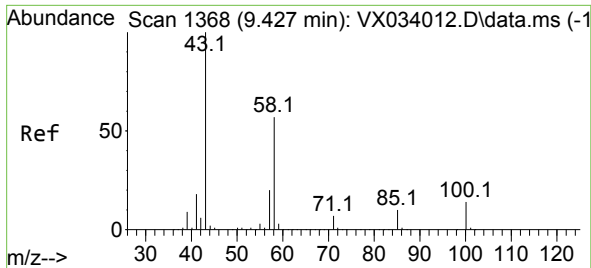
Tgt Ion: 69 Resp: 1616
Ion Ratio Lower Upper
69 100
41 8163.8 55.1 82.7#
39 3294.3 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.243 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion: 76 Resp: 12643
Ion Ratio Lower Upper
76 100
78 0.2 25.6 38.4#

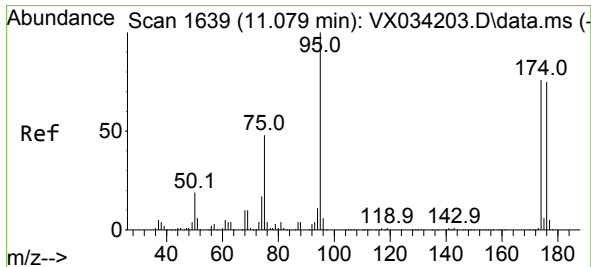
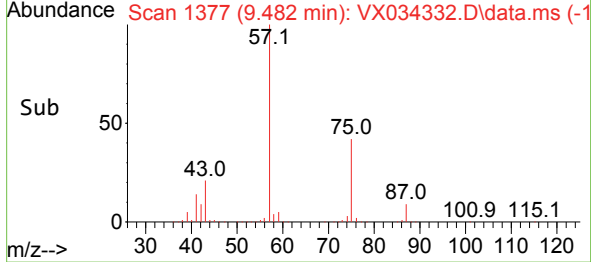
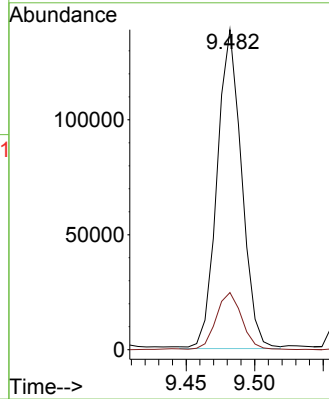
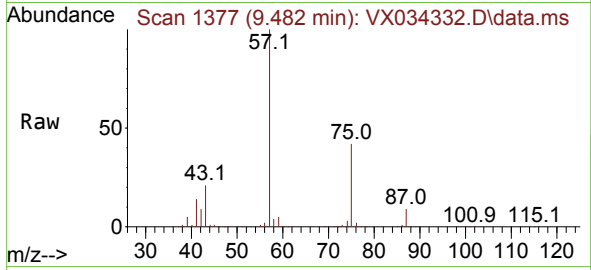




#59
2-Hexanone
Concen: 46.689 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

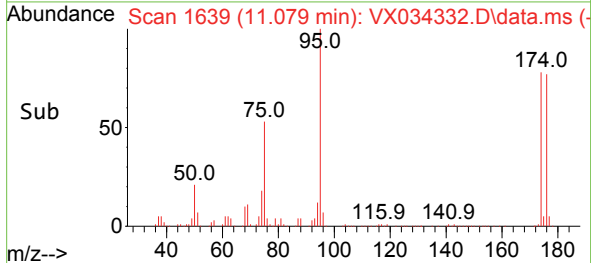
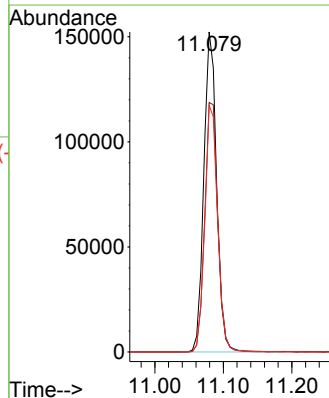
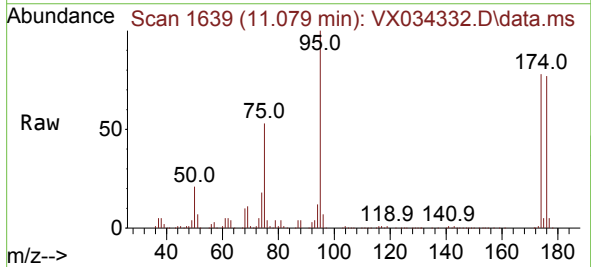
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

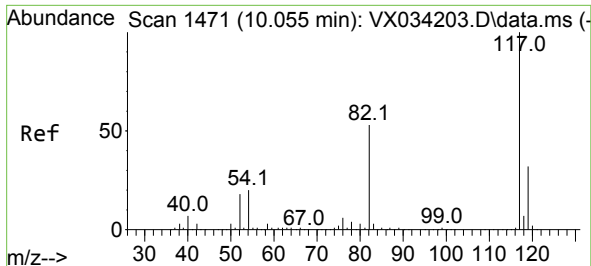
Tgt Ion: 43 Resp: 172578
Ion Ratio Lower Upper
43 100
58 19.3 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 47.629 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion: 95 Resp: 197700
Ion Ratio Lower Upper
95 100
174 80.2 0.0 184.4
176 77.3 0.0 178.8

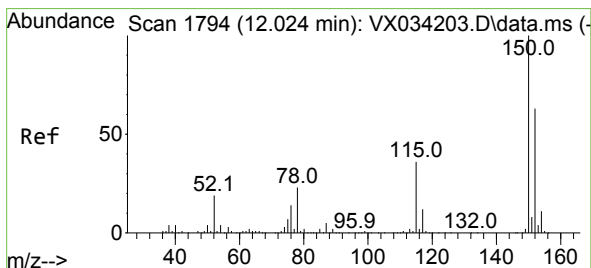
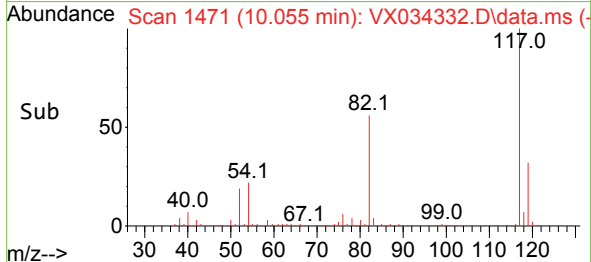
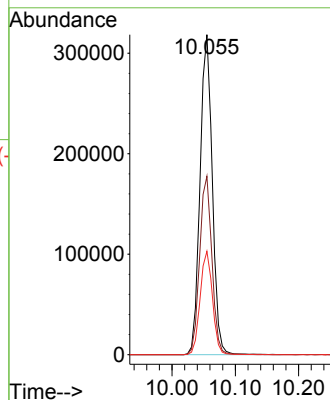
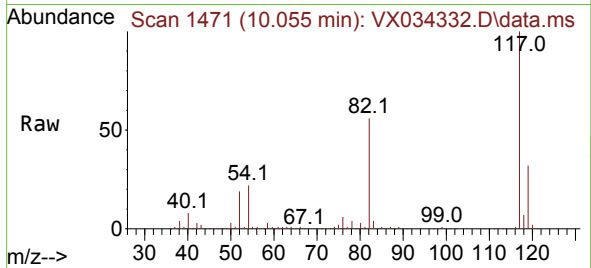




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

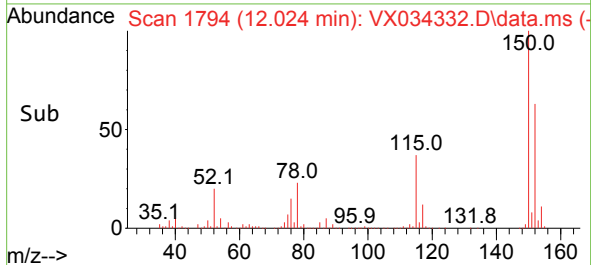
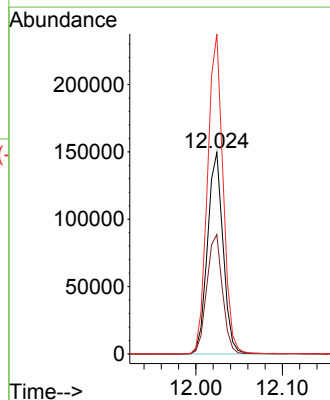
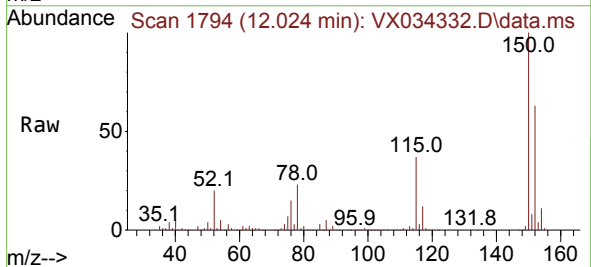
Instrument :
MSVOA_X
ClientSampleId :
CE-33-030123

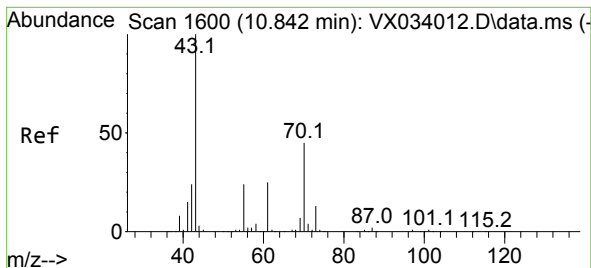
Tgt Ion:117 Resp: 429165
Ion Ratio Lower Upper
117 100
82 55.8 40.6 60.8
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034332.D
Acq: 03 Mar 2023 18:56

Tgt Ion:152 Resp: 187100
Ion Ratio Lower Upper
152 100
115 60.0 38.7 116.1
150 158.8 0.0 348.2





#74

N-amy1 acetate

Concen: 9.210 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034332.D

Acq: 03 Mar 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

CE-33-030123

Tgt Ion: 43 Resp: 65981

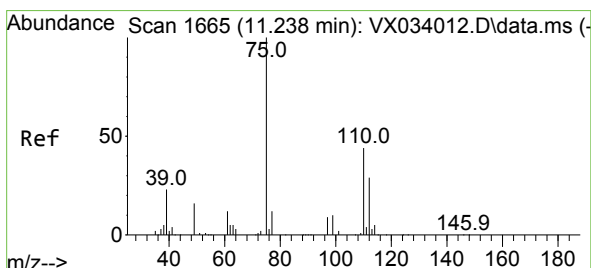
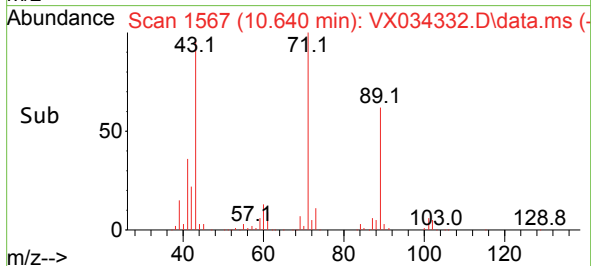
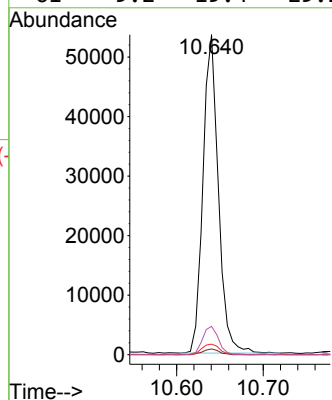
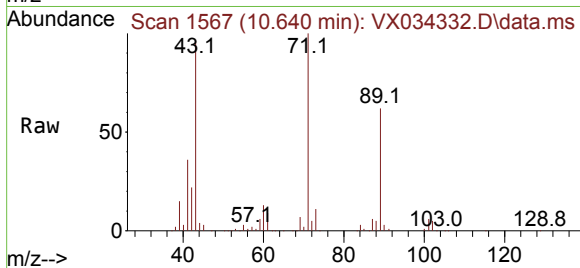
Ion Ratio Lower Upper

43 100

70 1.9 34.8 52.2#

55 3.9 19.4 29.0#

61 9.2 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 21.474 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034332.D

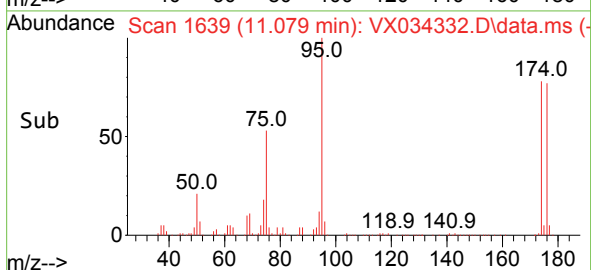
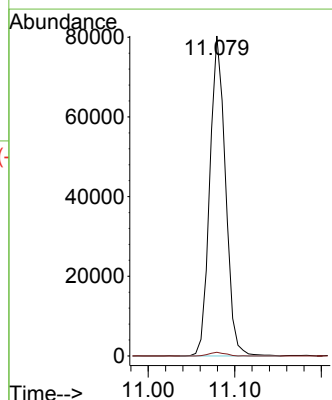
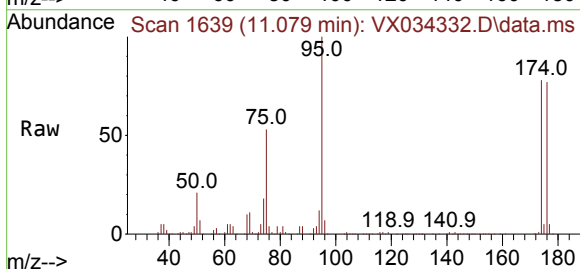
Acq: 03 Mar 2023 18:56

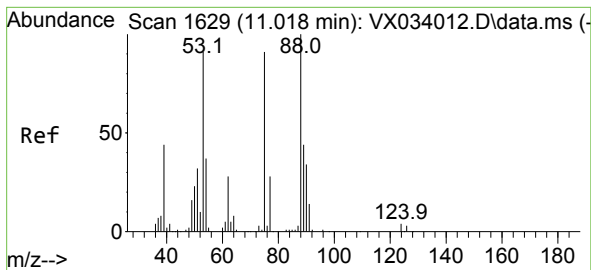
Tgt Ion: 75 Resp: 101101

Ion Ratio Lower Upper

75 100

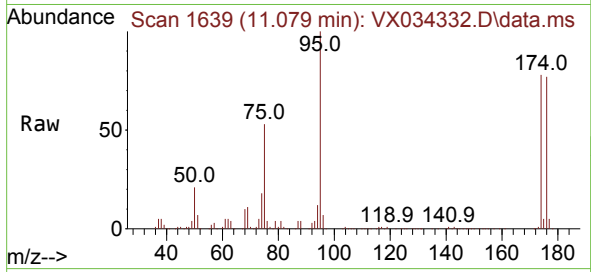
77 1.2 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.166 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034332.D
 Acq: 03 Mar 2023 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 CE-33-030123



Tgt Ion: 75 Resp: 101101
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

