

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034331.D
 Acq On : 03 Mar 2023 18:32
 Operator : JC/MD
 Sample : 01767-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 22:16:46 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)

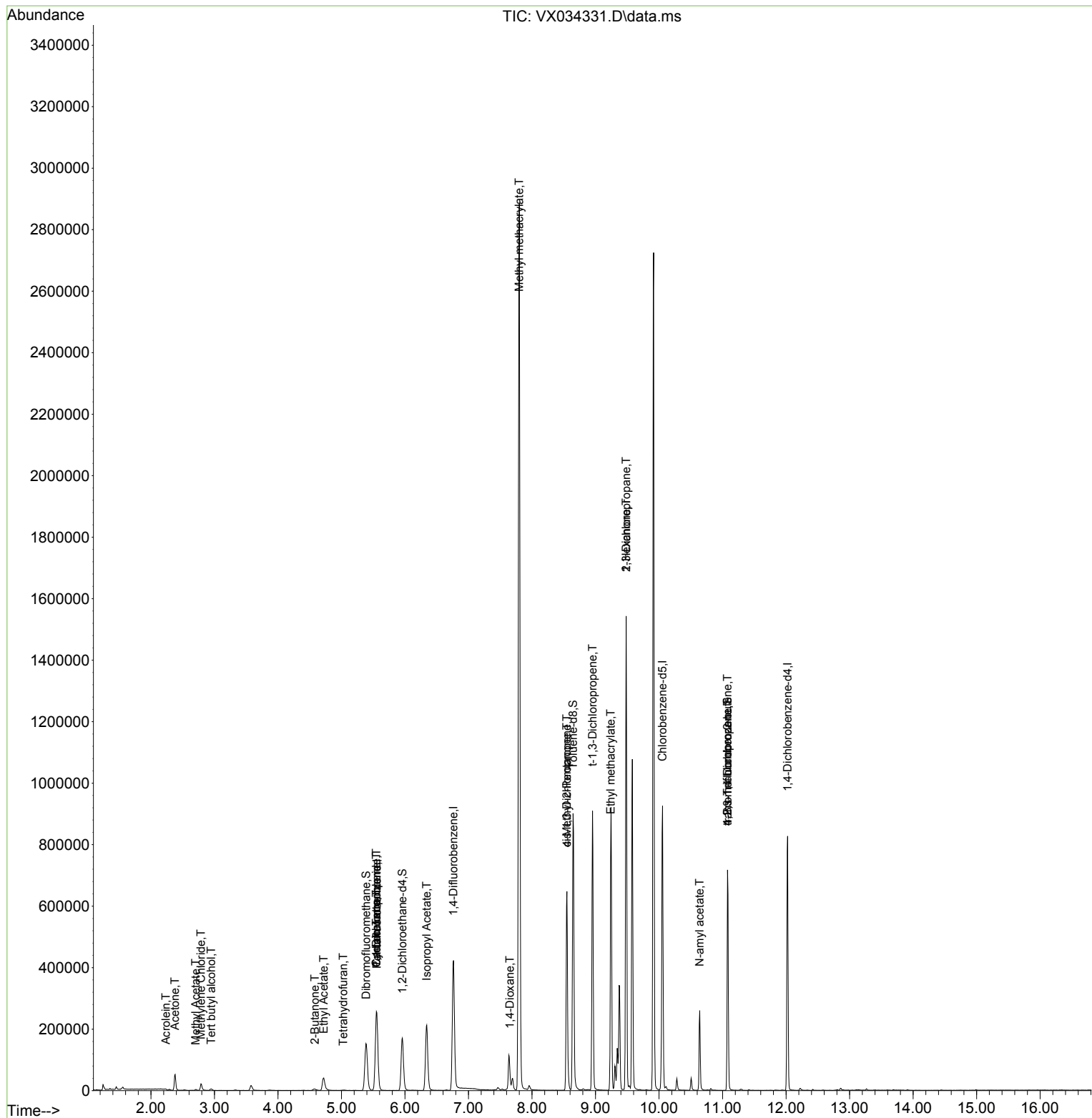
Internal Standards						
1) Pentafluorobenzene	5.556	168	257040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	432157	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	401551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	157389	45.466	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.940%		
35) Dibromofluoromethane	5.385	113	134043	47.638	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.280%		
50) Toluene-d8	8.647	98	529327	52.396	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.800%		
62) 4-Bromofluorobenzene	11.079	95	186384	48.233	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.460%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	71	Below Cal	#	3
11) Tert butyl alcohol	2.947	59	3564	4.603	ug/l #	94
13) Acrolein	2.233	56	413	1.169	ug/l #	38
16) Acetone	2.380	43	54804	30.690	ug/l	95
18) Methyl Acetate	2.703	43	4505	0.815	ug/l #	89
20) Methylene Chloride	2.788	84	10134	3.150	ug/l	97
25) 2-Butanone	4.580	43	6538	2.530	ug/l	91
29) Tetrahydrofuran	5.025	42	1509	0.957	ug/l #	67
31) Cyclohexane	5.550	56	5661	1.095	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	19604	4.711	ug/l #	48
37) Ethyl Acetate	4.721	43	73226	15.745	ug/l	98
38) Carbon Tetrachloride	5.550	117	24342	5.685	ug/l #	14
43) Isopropyl Acetate	6.342	43	304474	37.100	ug/l	99
48) Methyl methacrylate	7.799	41	242550	62.269	ug/l #	45
49) 1,4-Dioxane	7.653	88	53	0.682	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	226779	50.226	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1722	0.337	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	104695	19.162	ug/l #	60
56) Ethyl methacrylate	9.238	69	1376	0.270	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	13336	2.541	ug/l #	43
59) 2-Hexanone	9.482	43	179021	52.025	ug/l #	50
74) N-amyl acetate	10.640	43	70417	10.426	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	94147	21.211	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	94147	54.488	ug/l #	8

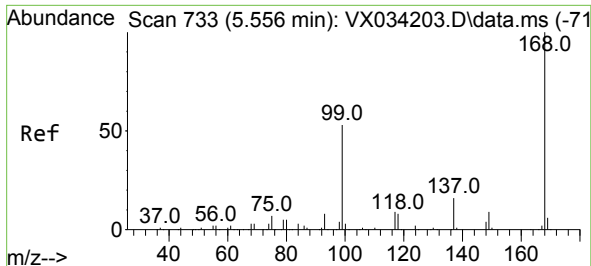
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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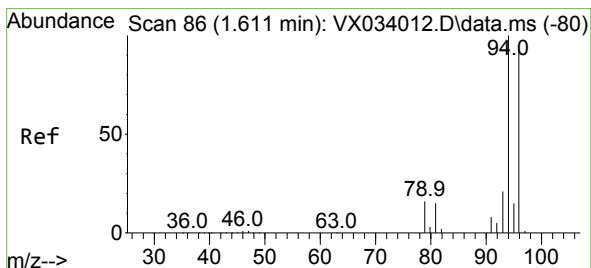
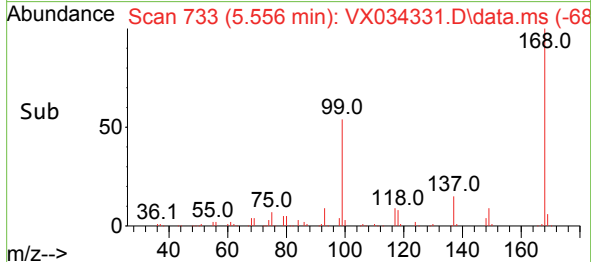
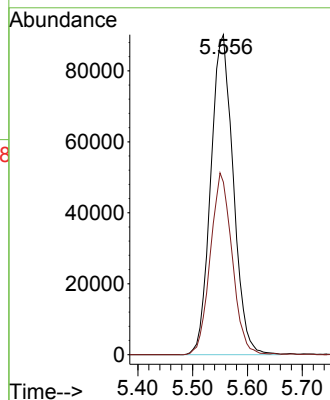
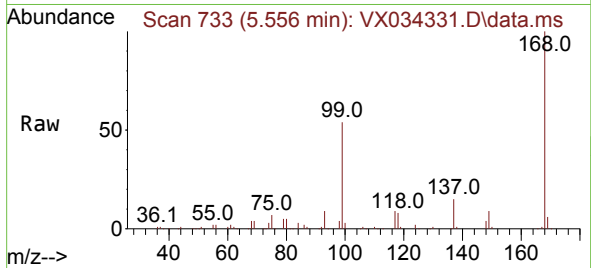




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

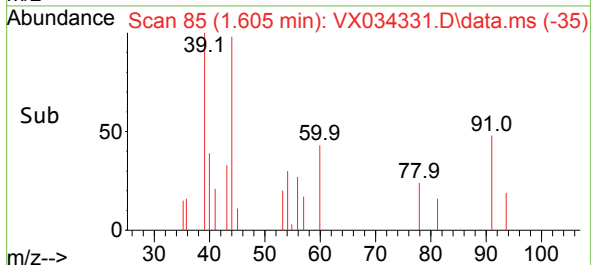
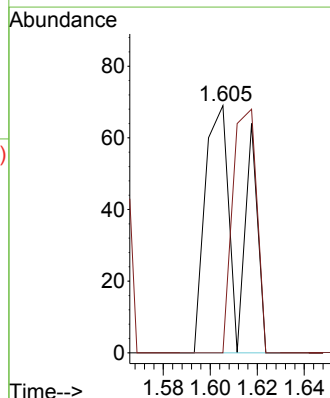
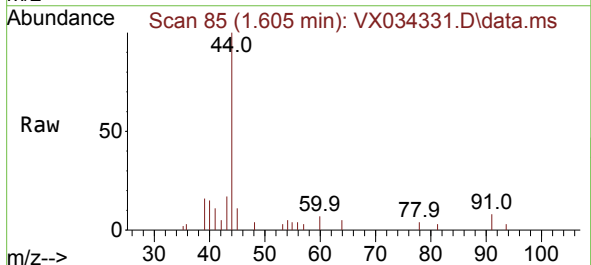
Instrument :
MSVOA_X
ClientSampleId :

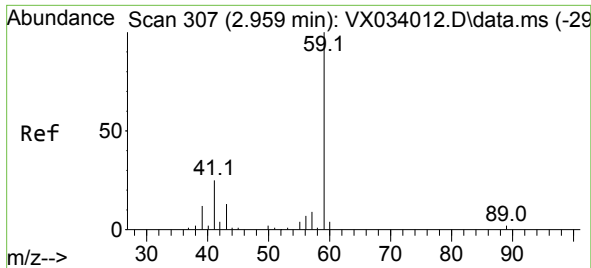
Tgt Ion:168 Resp: 257040
Ion Ratio Lower Upper
168 100
99 53.9 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

Tgt Ion: 94 Resp: 71
Ion Ratio Lower Upper
94 100
96 0.0 74.3 111.5#





#11

Tert butyl alcohol

Concen: 4.603 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Instrument :

MSVOA_X

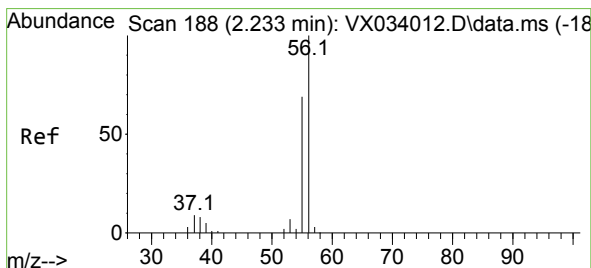
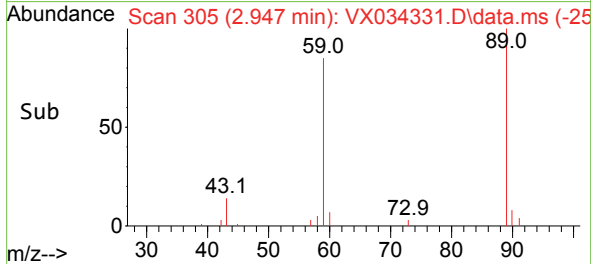
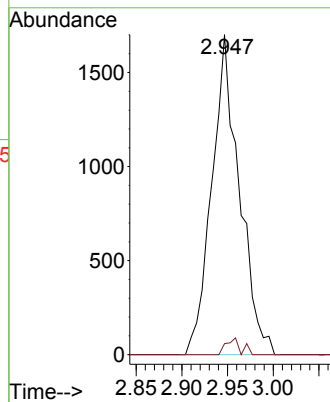
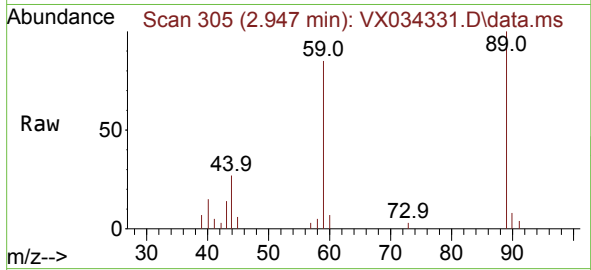
ClientSampleId :

Tgt Ion: 59 Resp: 3564

Ion Ratio Lower Upper

59 100

57 2.8 3.7 5.5#



#13

Acrolein

Concen: 1.169 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX034331.D

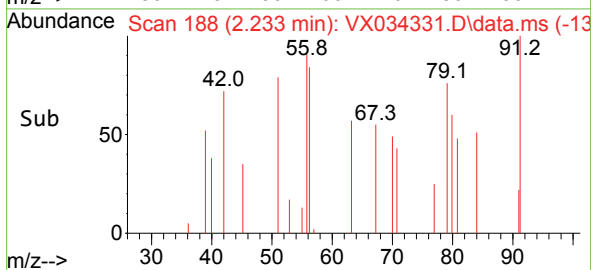
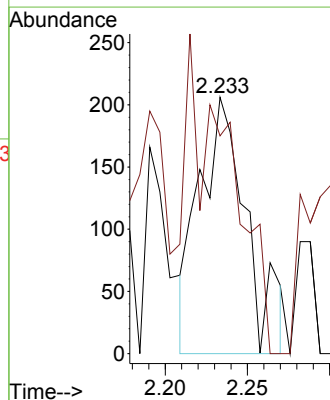
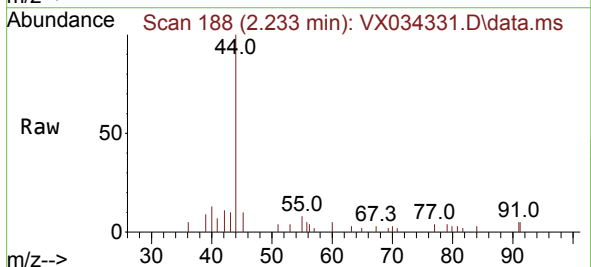
Acq: 03 Mar 2023 18:32

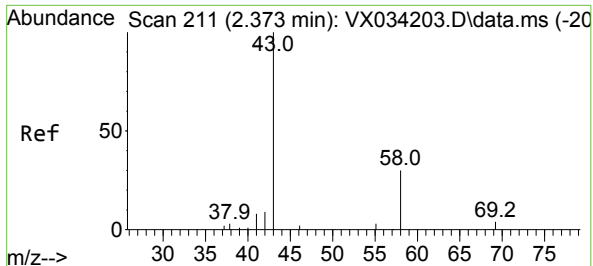
Tgt Ion: 56 Resp: 413

Ion Ratio Lower Upper

56 100

55 19.4 56.3 84.5#

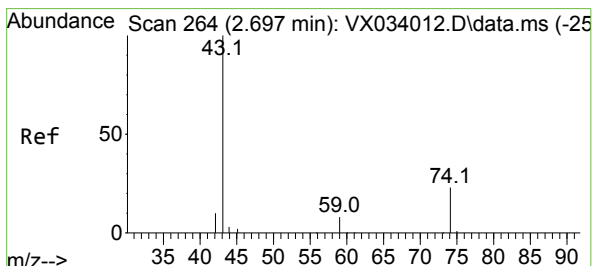
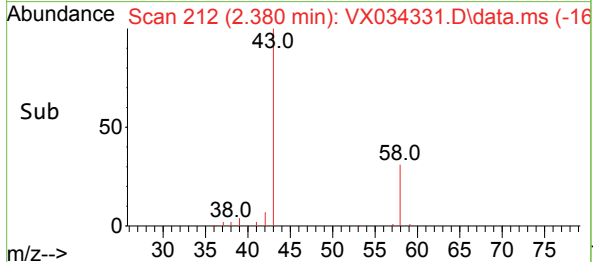
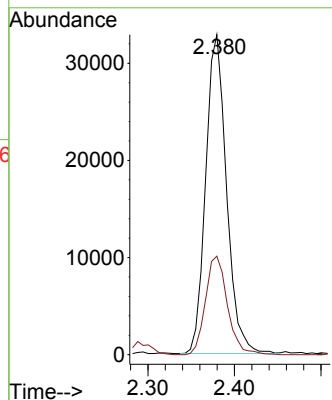
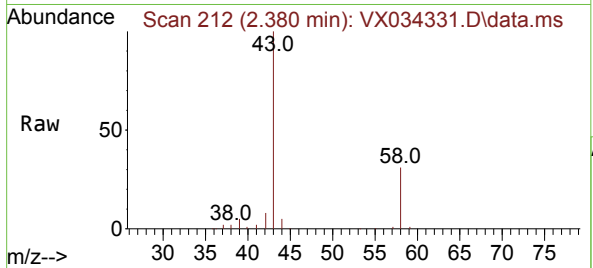




#16
Acetone
Concen: 30.690 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

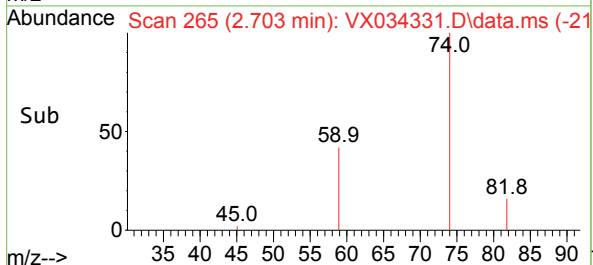
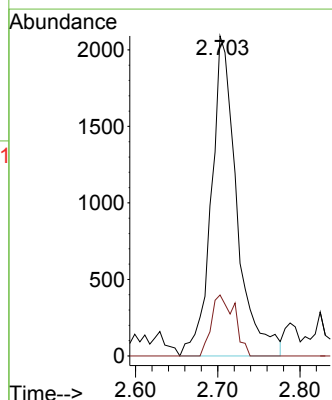
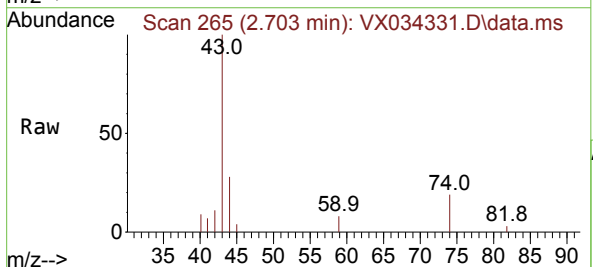
Instrument :
MSVOA_X
ClientSampleId :

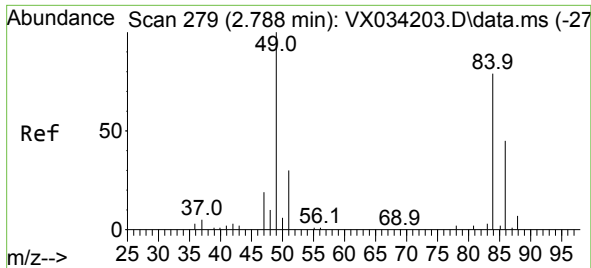
Tgt Ion: 43 Resp: 54804
Ion Ratio Lower Upper
43 100
58 30.9 22.6 33.8



#18
Methyl Acetate
Concen: 0.815 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

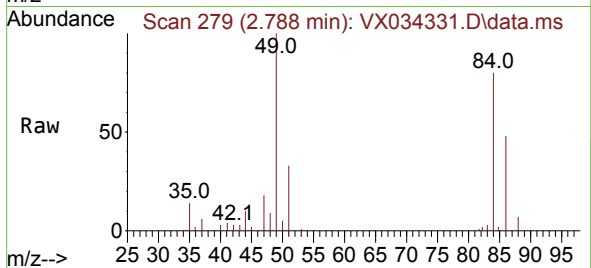
Tgt Ion: 43 Resp: 4505
Ion Ratio Lower Upper
43 100
74 17.3 18.2 27.4#



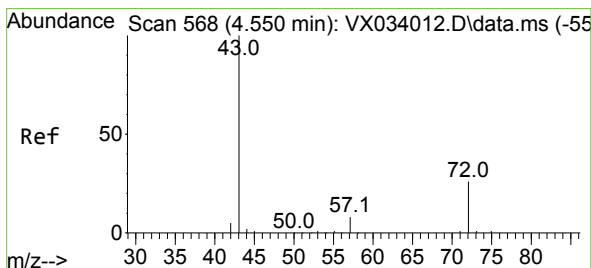
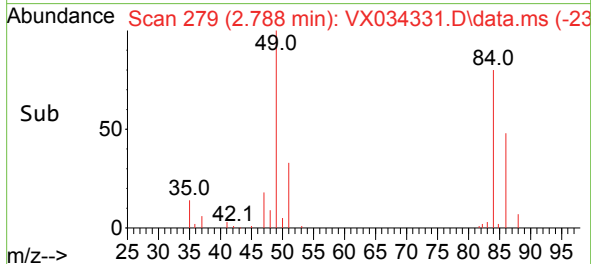
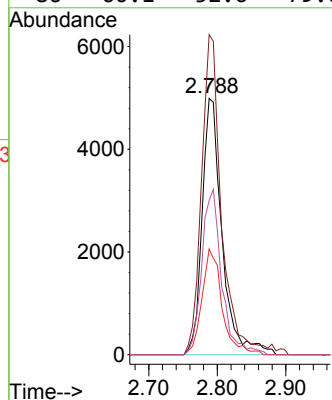


#20
Methylene Chloride
Concen: 3.150 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :

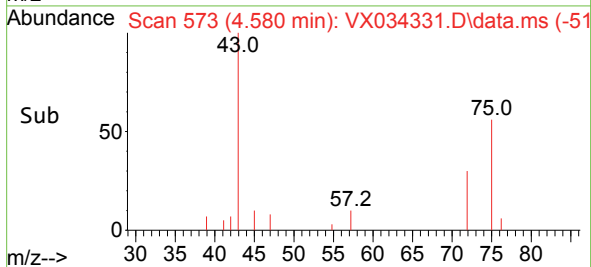
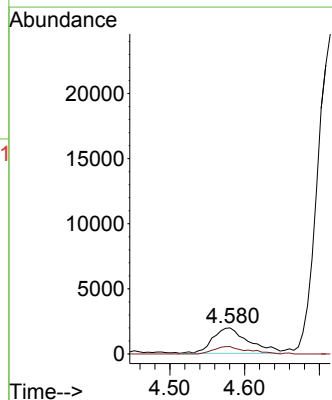
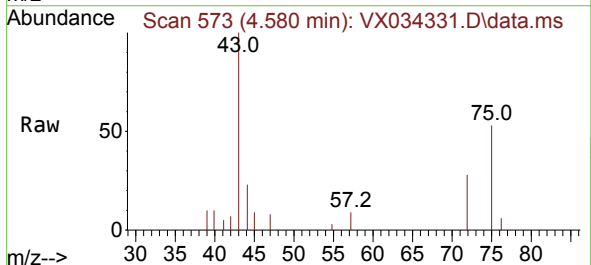


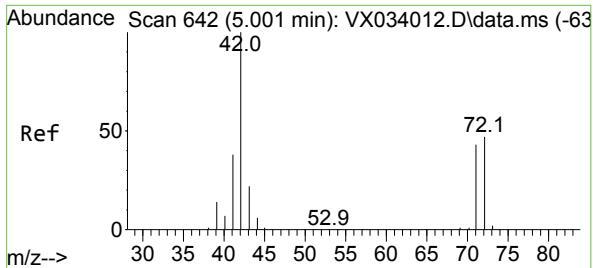
Tgt Ion: 84	Resp: 10134
Ion Ratio	Lower Upper
84 100	
49 124.8	101.1 151.7
51 41.3	31.0 46.6
86 60.1	52.6 79.0



#25
2-Butanone
Concen: 2.530 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.037 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

Tgt Ion: 43	Resp: 6538
Ion Ratio	Lower Upper
43 100	
72 28.9	19.4 29.2





#29

Tetrahydrofuran

Concen: 0.957 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.031 min

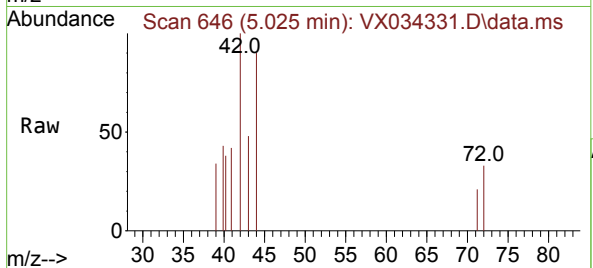
Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

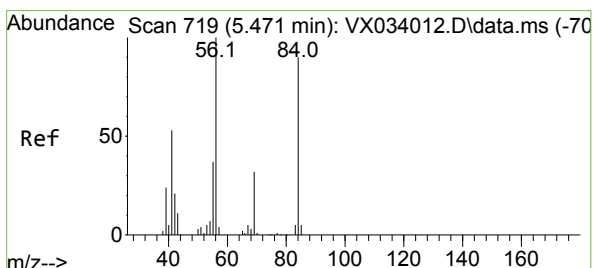
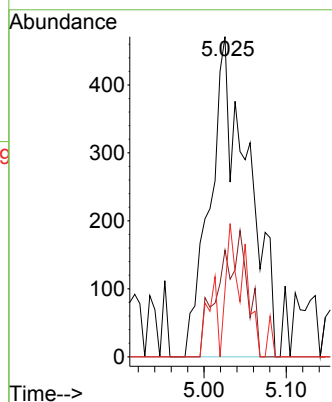
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	1509
Ion	Ratio	Lower	Upper
42	100		
72	29.6	34.8	52.2#
71	12.1	32.2	48.2#



#31

Cyclohexane

Concen: 1.095 ug/l

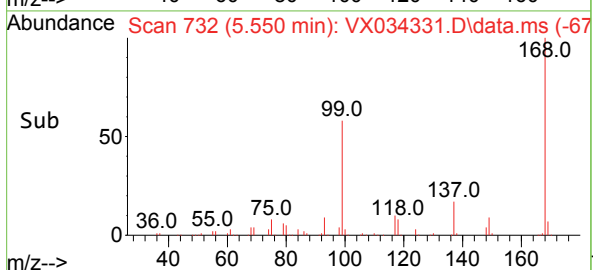
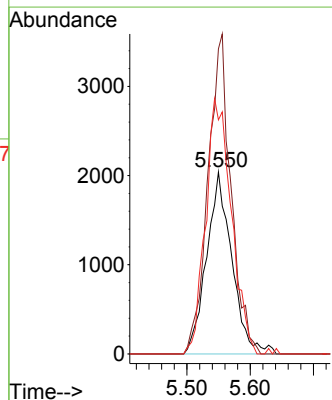
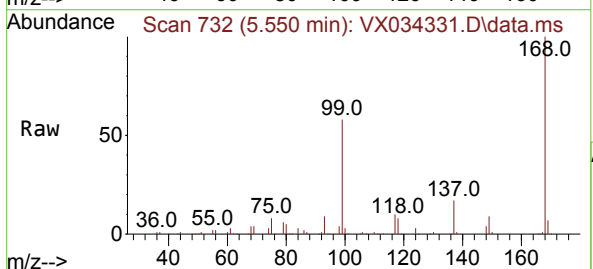
RT: 5.550 min Scan# 732

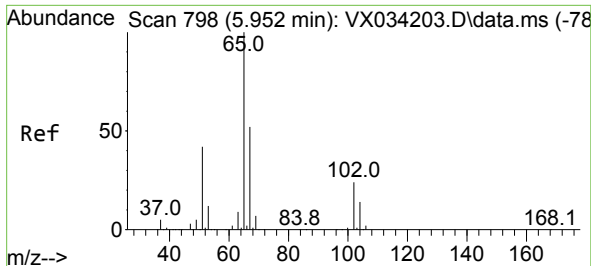
Delta R.T. 0.079 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Tgt Ion:	56	Resp:	5661
Ion	Ratio	Lower	Upper
56	100		
69	167.8	24.6	37.0#
84	128.7	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.466 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Instrument :

MSVOA_X

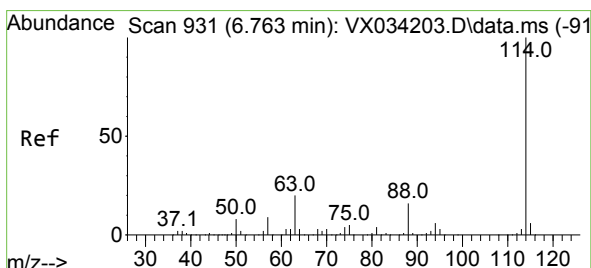
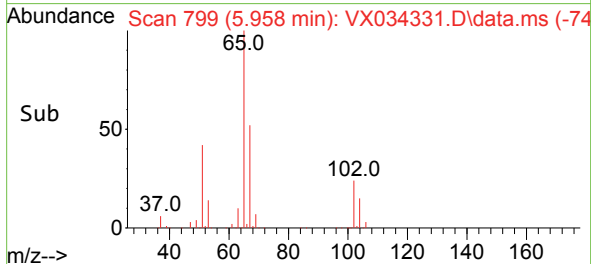
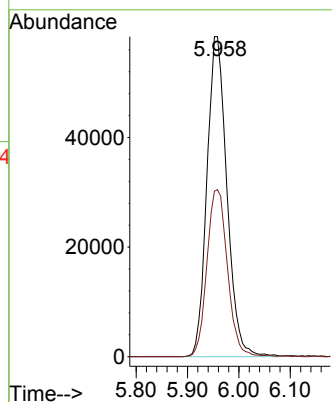
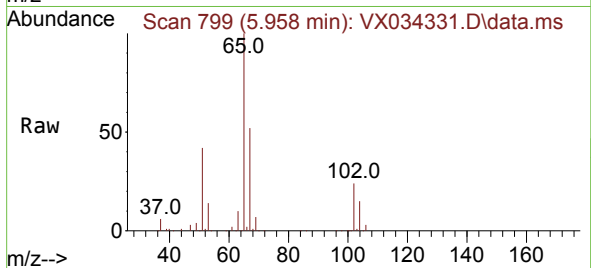
ClientSampleId :

Tgt Ion: 65 Resp: 157389

Ion Ratio Lower Upper

65 100

67 53.6 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: VX034331.D

Acq: 03 Mar 2023 18:32

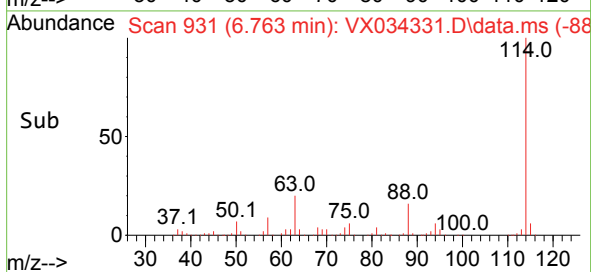
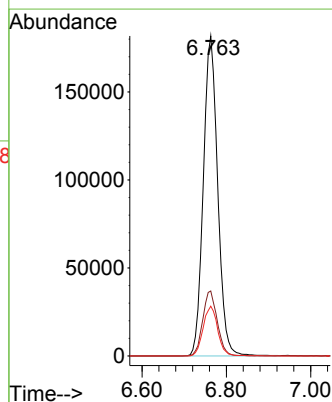
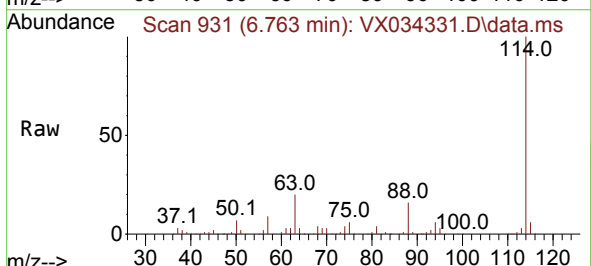
Tgt Ion: 114 Resp: 432157

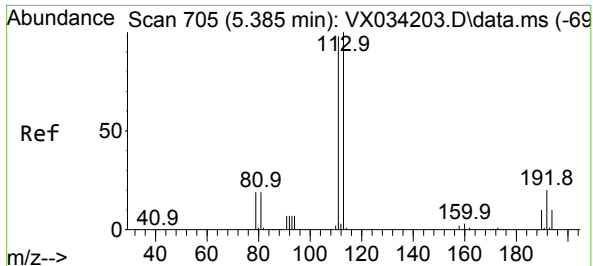
Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 15.6 0.0 30.6

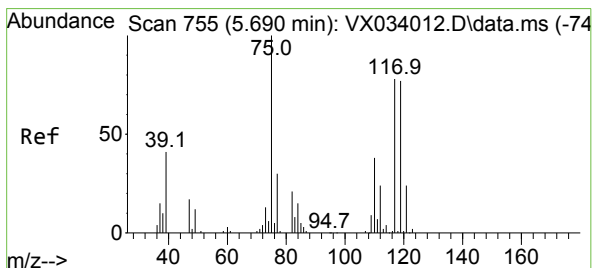
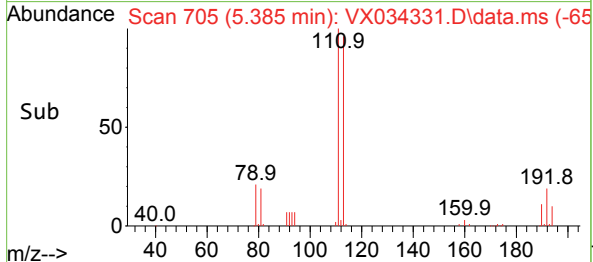
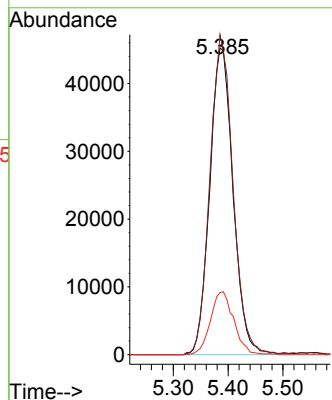
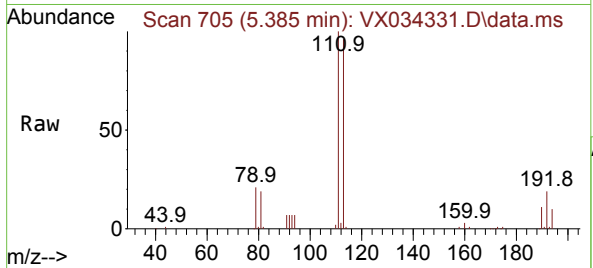




#35
Dibromofluoromethane
Concen: 47.638 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

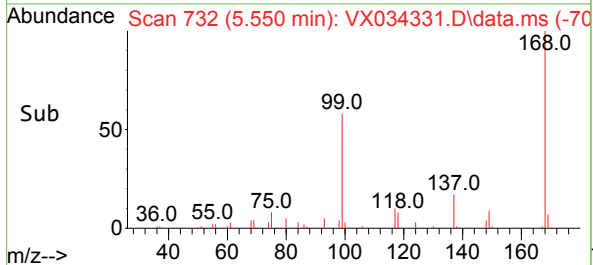
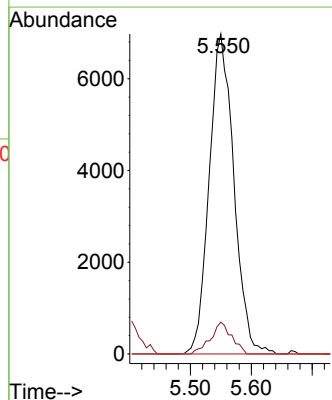
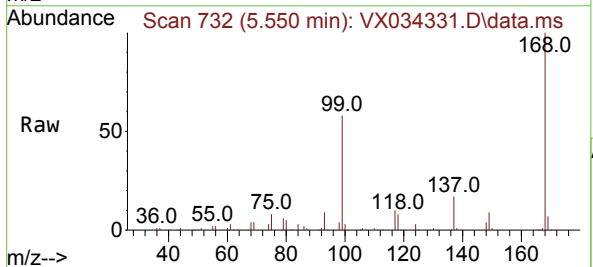
Instrument :
MSVOA_X
ClientSampleId :

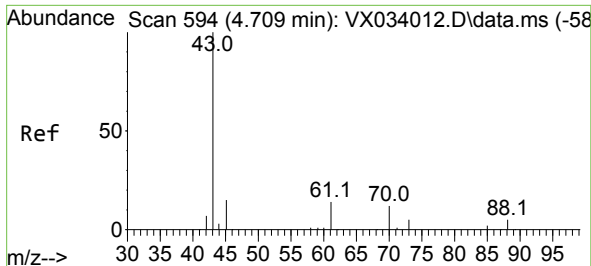
Tgt Ion:113 Resp: 134043
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.6
192 20.5 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.711 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

Tgt Ion: 75 Resp: 19604
Ion Ratio Lower Upper
75 100
110 8.5 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 15.745 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

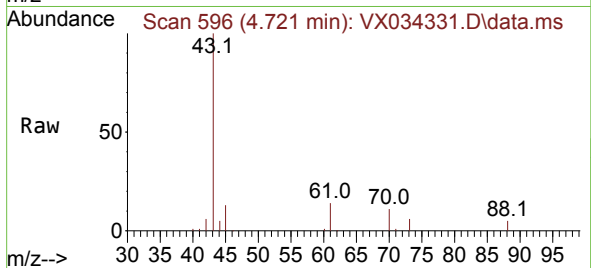
Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

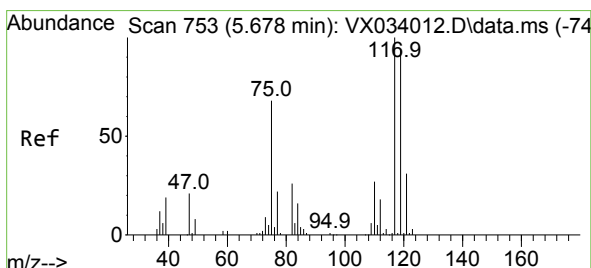
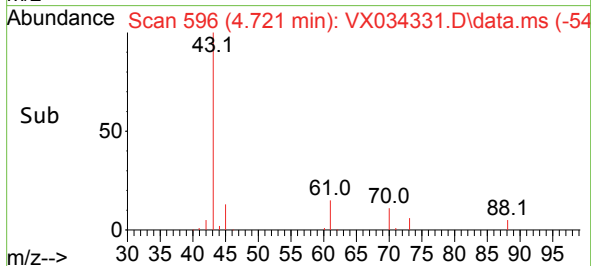
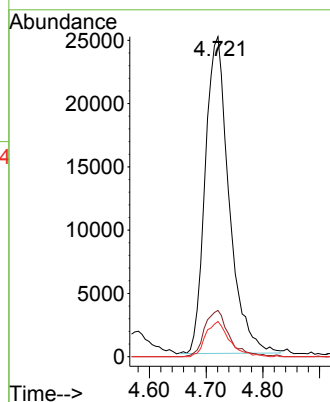
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 73226
Ion Ratio	Lower Upper
43	100
61	15.0 11.1 16.7
70	11.0 8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.685 ug/l

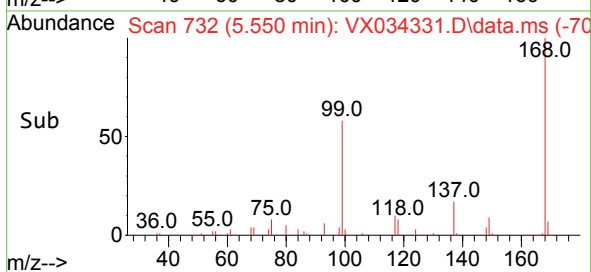
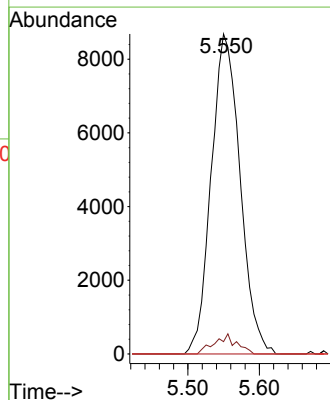
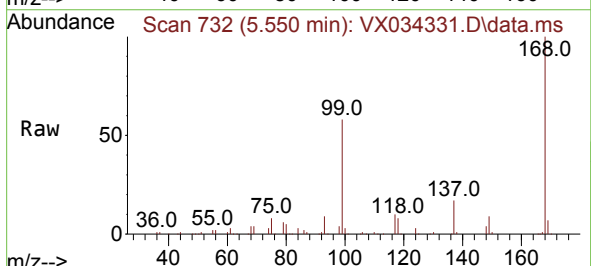
RT: 5.550 min Scan# 732

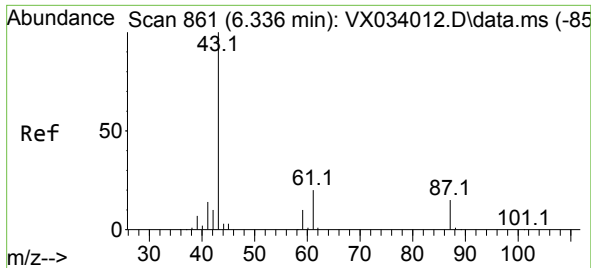
Delta R.T. -0.122 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Tgt Ion: 117	Resp: 24342
Ion Ratio	Lower Upper
117	100
119	3.8 78.0 117.0#
121	0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 37.100 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :

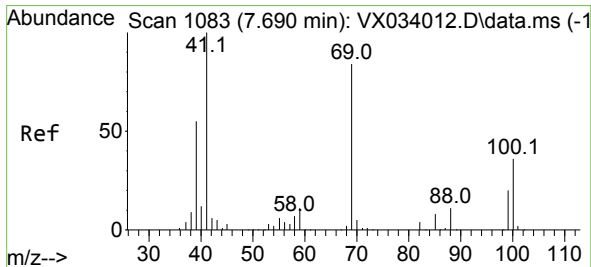
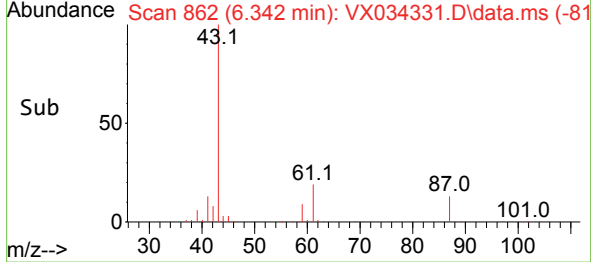
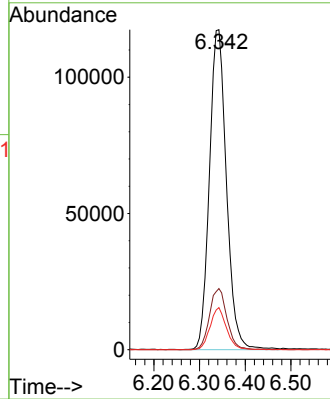
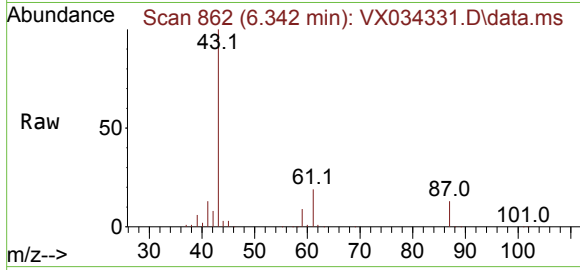
Tgt Ion: 43 Resp: 304474

Ion Ratio Lower Upper

43 100

61 19.4 15.7 23.5

87 12.6 10.6 15.8



#48

Methyl methacrylate

Concen: 62.269 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

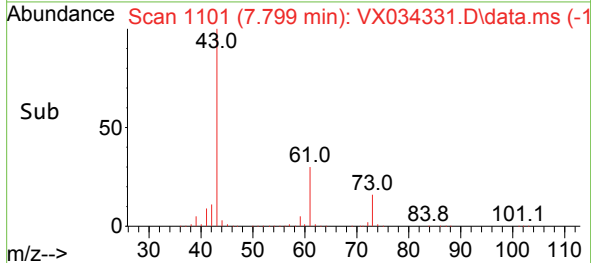
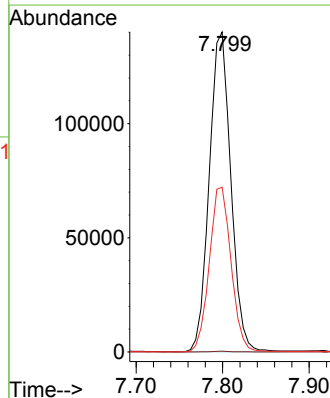
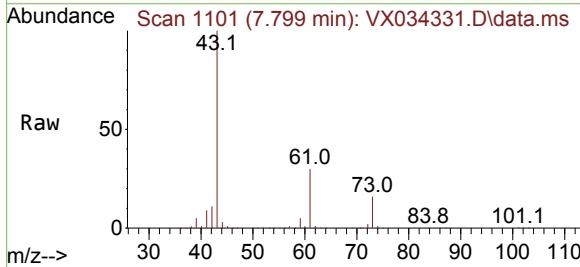
Tgt Ion: 41 Resp: 242550

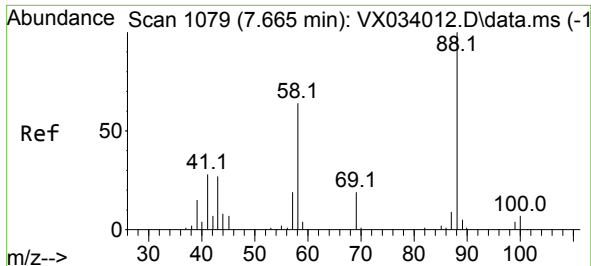
Ion Ratio Lower Upper

41 100

69 0.2 63.1 94.7#

39 51.9 43.2 64.8





#49

1,4-Dioxane

Concen: 0.682 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VX034331.D

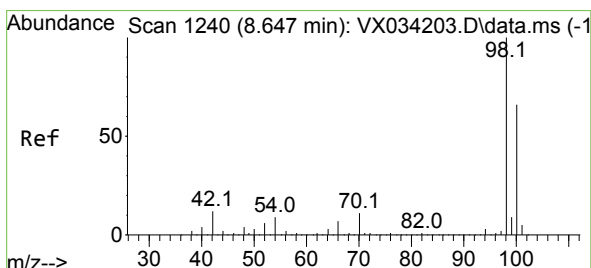
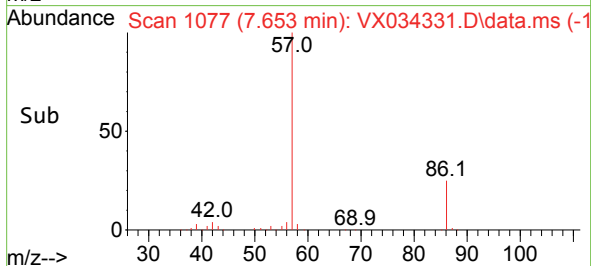
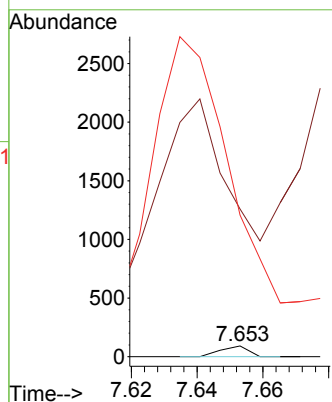
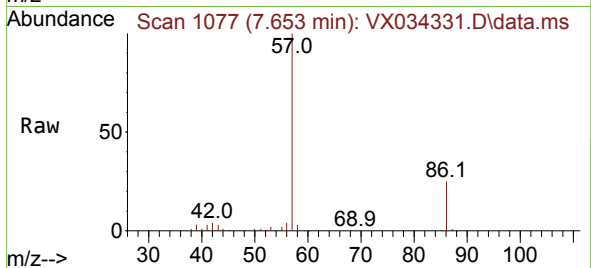
Acq: 03 Mar 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88	Resp: 53
Ion Ratio	Lower Upper
88	100
43	0.0 0.0 0.0
58	9683.0 56.5 84.7#



#50

Toluene-d8

Concen: 52.396 ug/l

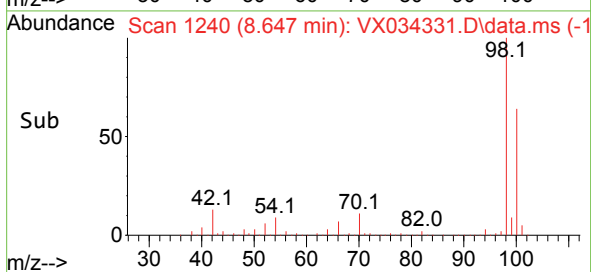
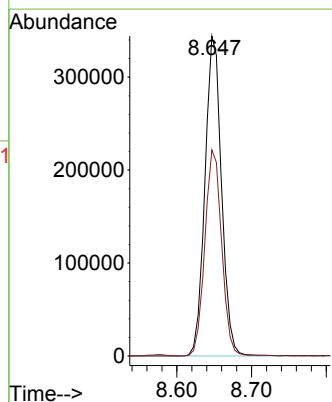
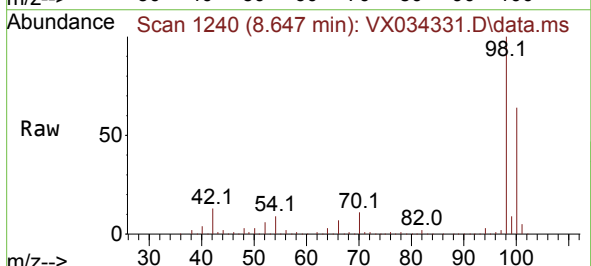
RT: 8.647 min Scan# 1240

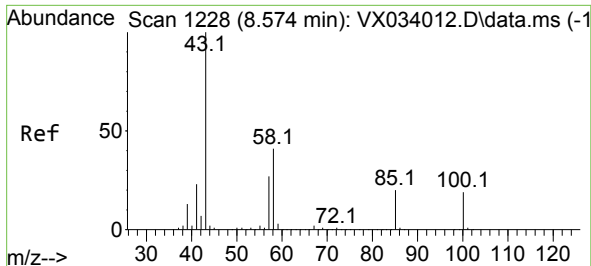
Delta R.T. 0.000 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Tgt Ion: 98	Resp: 529327
Ion Ratio	Lower Upper
98	100
100	65.5 53.6 80.4

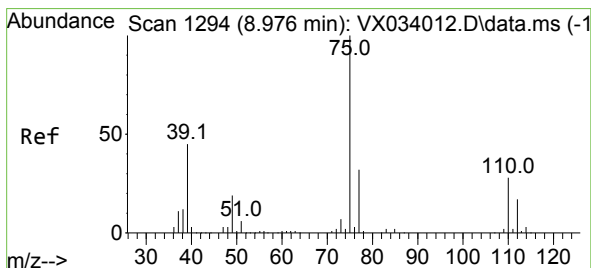
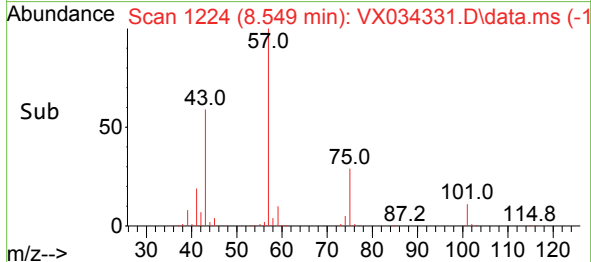
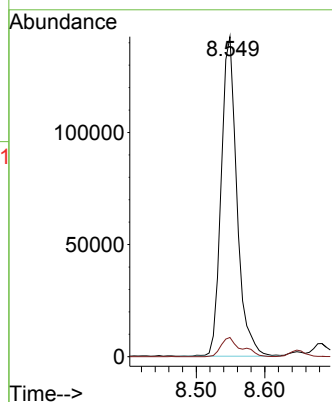
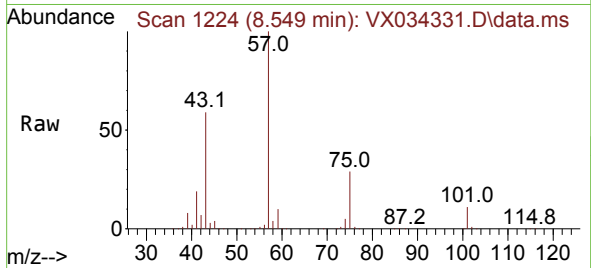




#51
4-Methyl-2-Pentanone
Concen: 50.226 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

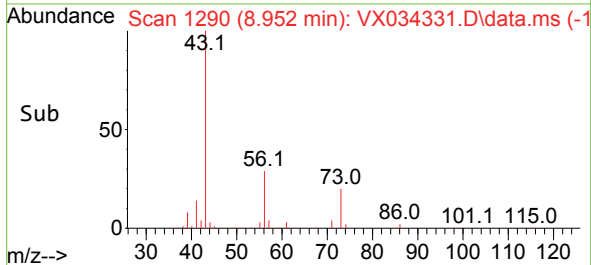
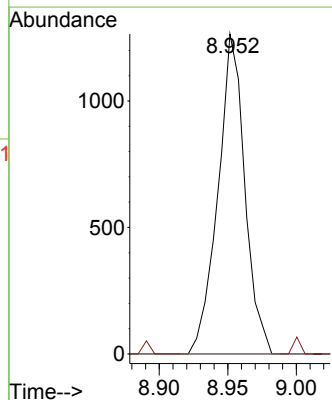
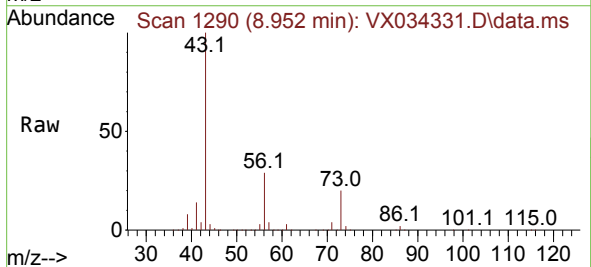
Instrument :
MSVOA_X
ClientSampleId :

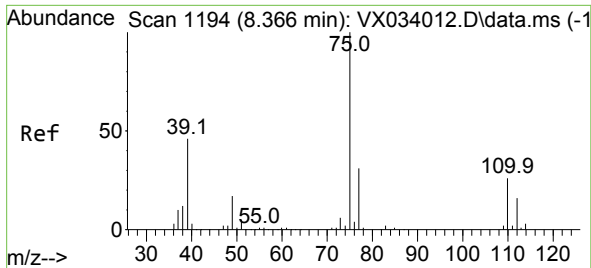
Tgt Ion: 43 Resp: 226779
Ion Ratio Lower Upper
43 100
58 7.7 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.337 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034331.D
Acq: 03 Mar 2023 18:32

Tgt Ion: 75 Resp: 1722
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

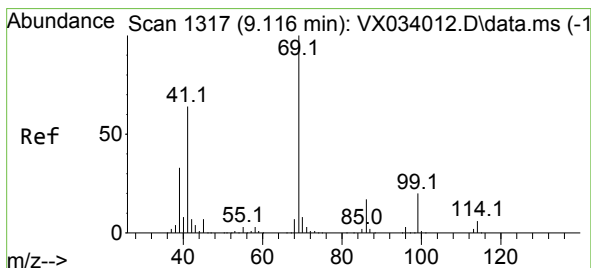
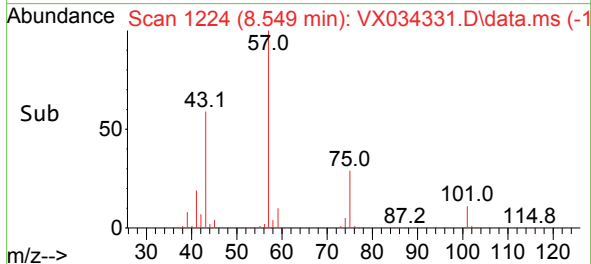
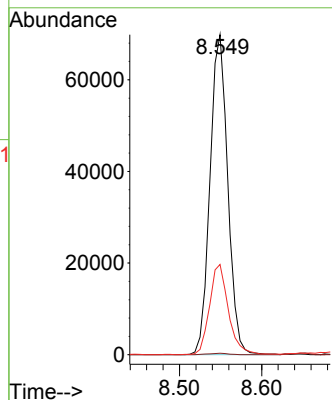
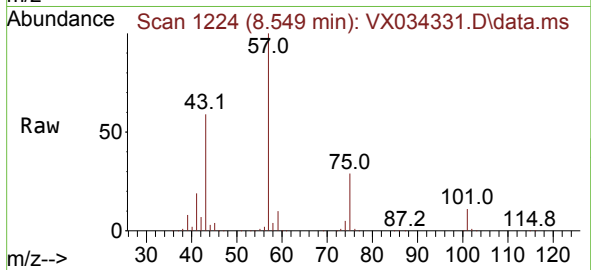




#54
 cis-1,3-Dichloropropene
 Concen: 19.162 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034331.D
 Acq: 03 Mar 2023 18:32

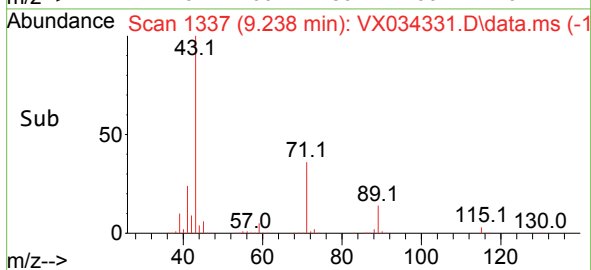
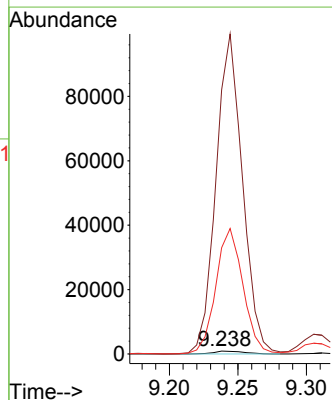
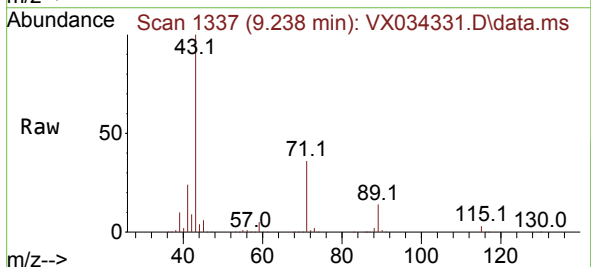
Instrument :
 MSVOA_X
 ClientSampleId :

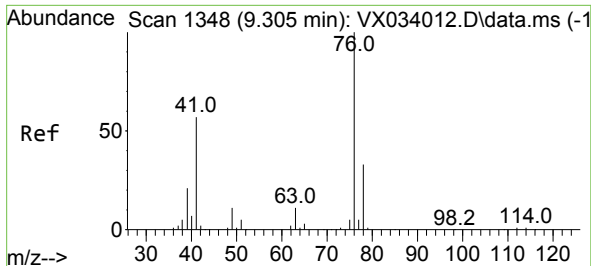
Tgt Ion: 75 Resp: 104695
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 28.2 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.270 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX034331.D
 Acq: 03 Mar 2023 18:32

Tgt Ion: 69 Resp: 1376
 Ion Ratio Lower Upper
 69 100
 41 9738.8 55.1 82.7#
 39 3894.3 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 2.541 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Instrument :

MSVOA_X

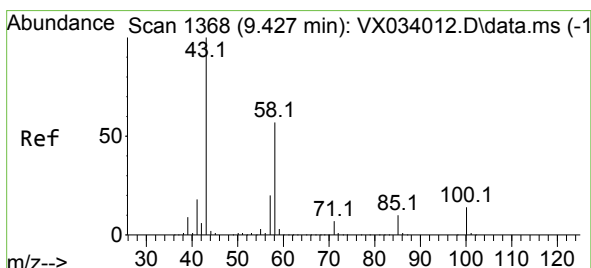
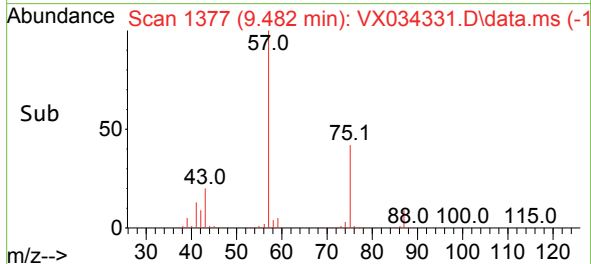
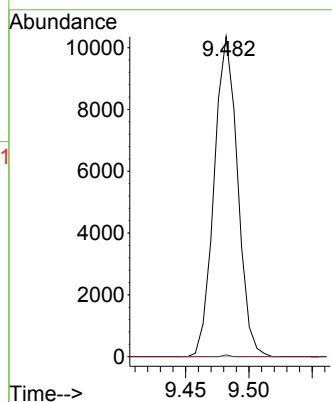
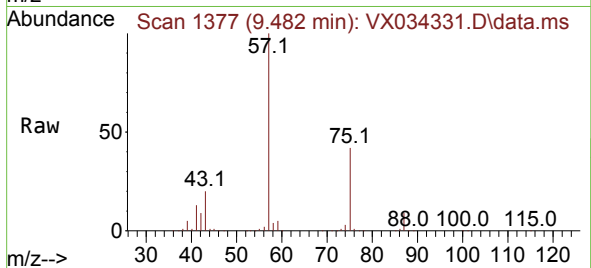
ClientSampleId :

Tgt Ion: 76 Resp: 13336

Ion Ratio Lower Upper

76 100

78 0.1 25.6 38.4#



#59

2-Hexanone

Concen: 52.025 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034331.D

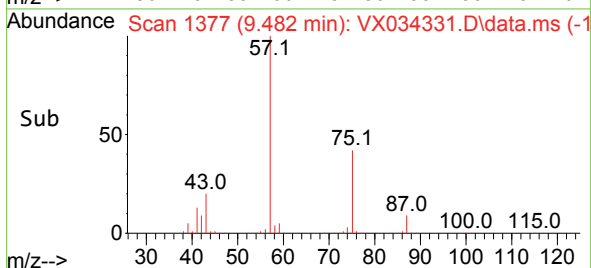
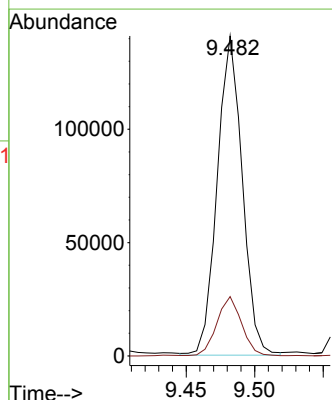
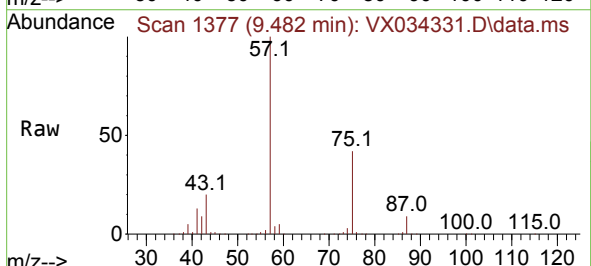
Acq: 03 Mar 2023 18:32

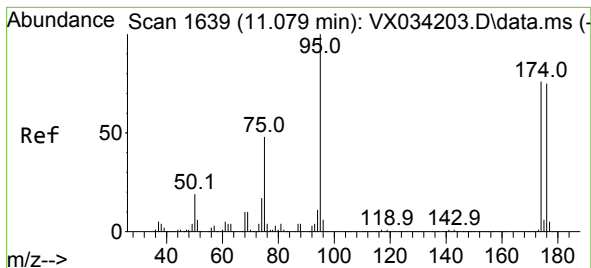
Tgt Ion: 43 Resp: 179021

Ion Ratio Lower Upper

43 100

58 18.4 27.4 82.0#





#62

4-Bromofluorobenzene

Concen: 48.233 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :

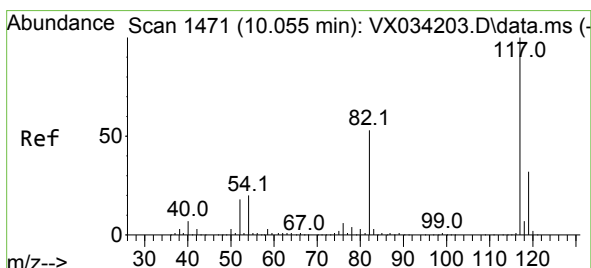
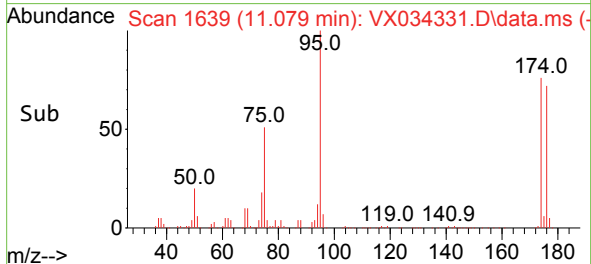
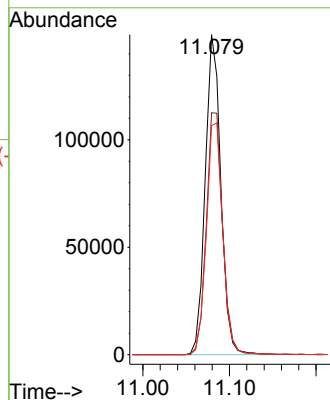
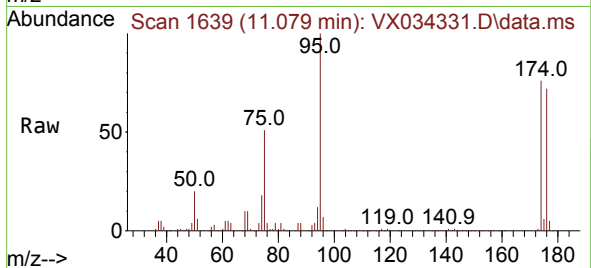
Tgt Ion: 95 Resp: 186384

Ion Ratio Lower Upper

95 100

174 79.4 0.0 184.4

176 76.1 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: VX034331.D

Acq: 03 Mar 2023 18:32

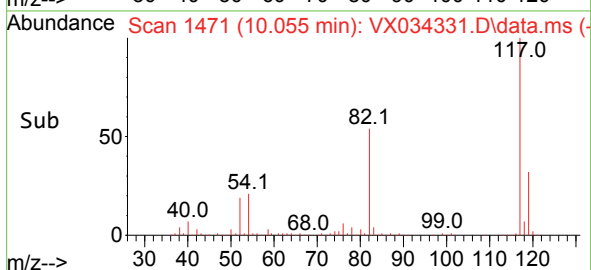
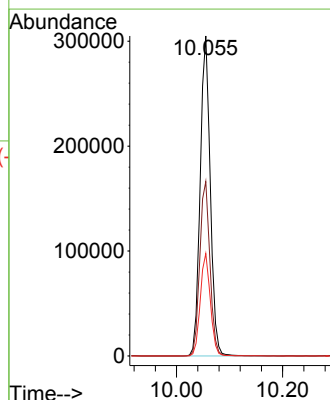
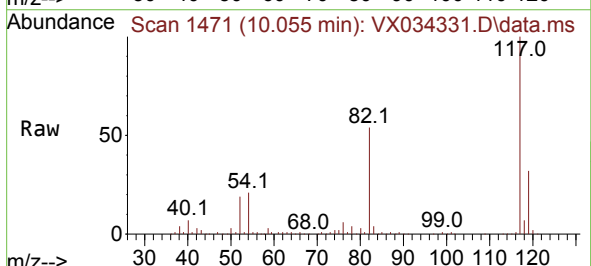
Tgt Ion: 117 Resp: 401551

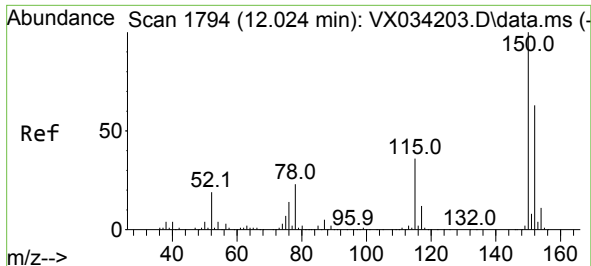
Ion Ratio Lower Upper

117 100

82 54.5 40.6 60.8

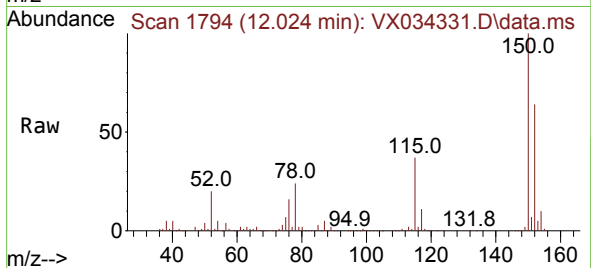
119 32.0 25.6 38.4



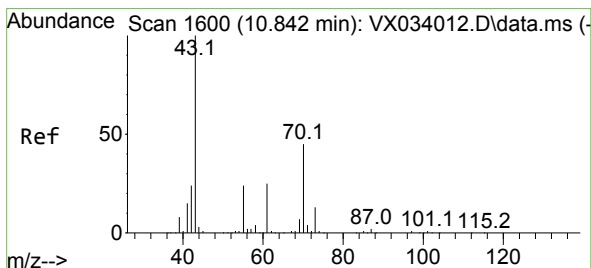
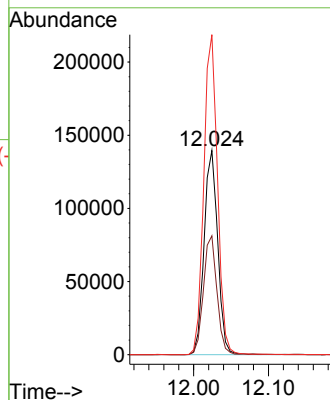
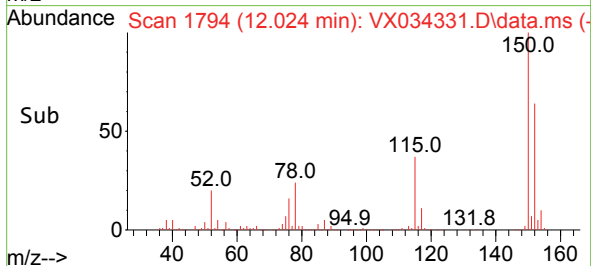


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034331.D
 Acq: 03 Mar 2023 18:32

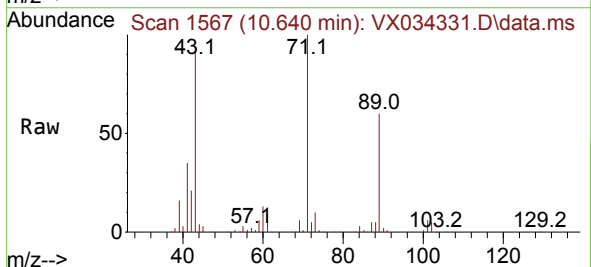
Instrument :
 MSVOA_X
 ClientSampleId :



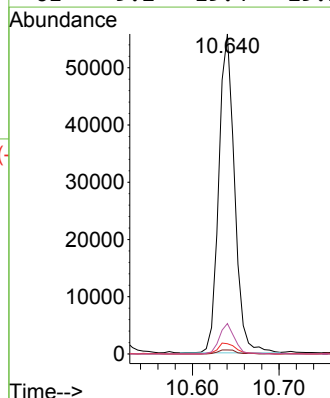
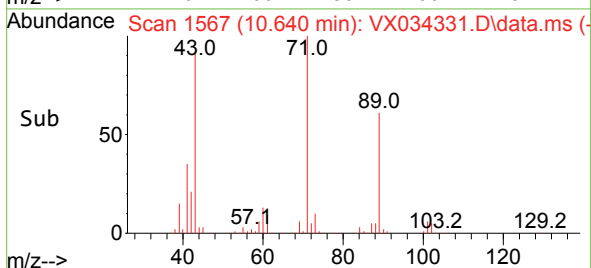
Tgt Ion:152 Resp: 176398
 Ion Ratio Lower Upper
 152 100
 115 58.0 38.7 116.1
 150 157.8 0.0 348.2

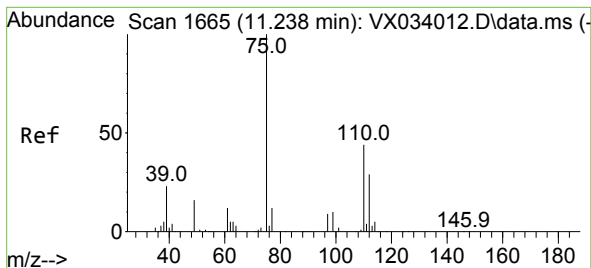


#74
 N-ethyl acetate
 Concen: 10.426 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX034331.D
 Acq: 03 Mar 2023 18:32



Tgt Ion: 43 Resp: 70417
 Ion Ratio Lower Upper
 43 100
 70 1.5 34.8 52.2#
 55 4.1 19.4 29.0#
 61 9.2 19.4 29.2#





#76

1,2,3-Trichloropropane

Concen: 21.211 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Instrument :

MSVOA_X

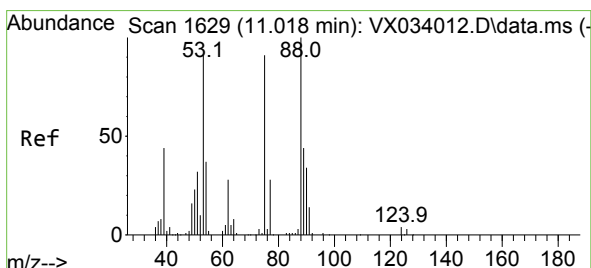
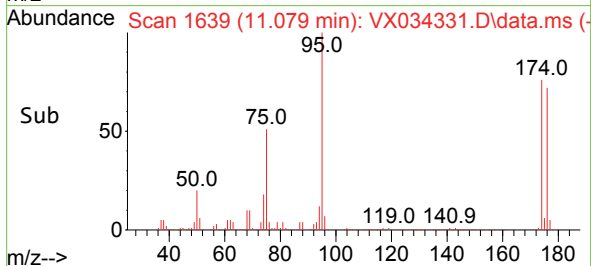
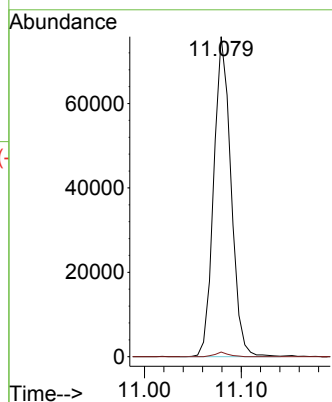
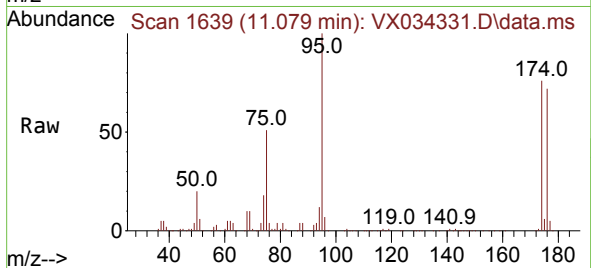
ClientSampleId :

Tgt Ion: 75 Resp: 94147

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.488 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034331.D

Acq: 03 Mar 2023 18:32

Tgt Ion: 75 Resp: 94147

Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#

