

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034596.D
 Acq On : 17 Mar 2023 19:53
 Operator : JC/MD
 Sample : 01928-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 031423-1

Quant Time: Mar 20 00:08:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

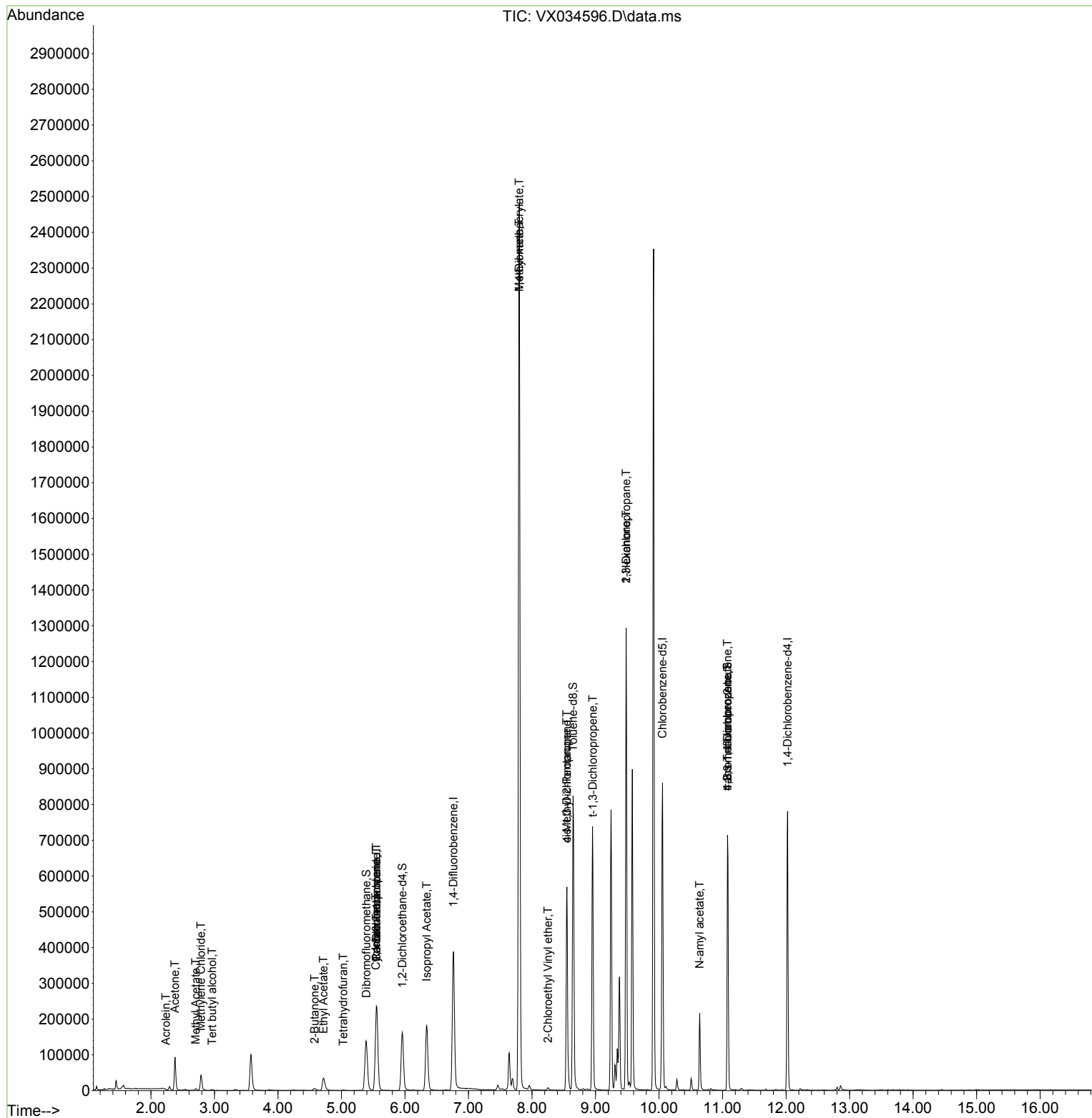
Internal Standards						
1) Pentafluorobenzene	5.550	168	220567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	379381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	354746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155380	48.423	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.840%
35) Dibromofluoromethane	5.391	113	120578	48.138	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.280%
50) Toluene-d8	8.647	98	471558	50.430	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.860%
62) 4-Bromofluorobenzene	11.079	95	187401	49.616	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	352	Below Cal		92
11) Tert butyl alcohol	2.965	59	2715	4.063	ug/l #	85
13) Acrolein	2.233	56	413	0.781	ug/l #	23
16) Acetone	2.380	43	94182	62.310	ug/l	100
18) Methyl Acetate	2.703	43	5598	1.133	ug/l	98
20) Methylene Chloride	2.788	84	19256	6.564	ug/l	97
25) 2-Butanone	4.574	43	10956	5.066	ug/l #	83
29) Tetrahydrofuran	5.026	42	858	0.643	ug/l	93
31) Cyclohexane	5.544	56	5615	1.248	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	18627	4.842	ug/l #	50
37) Ethyl Acetate	4.715	43	62593	14.892	ug/l	99
38) Carbon Tetrachloride	5.550	117	22498	5.878	ug/l #	15
43) Isopropyl Acetate	6.342	43	259180	36.400	ug/l	99
48) Methyl methacrylate	7.799	41	219632	64.136	ug/l #	47
49) 1,4-Dioxane	7.799	88	374	5.200	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	203824	49.346	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	1527	0.351	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	86746	18.406	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	10266	2.089	ug/l #	43
58) 2-Chloroethyl Vinyl ether	8.251	63	2859	1.222	ug/l	95
59) 2-Hexanone	9.482	43	151937	47.585	ug/l #	52
74) N-amyl acetate	10.640	43	57127	9.915	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	100964	28.250	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	100964	76.426	ug/l #	8

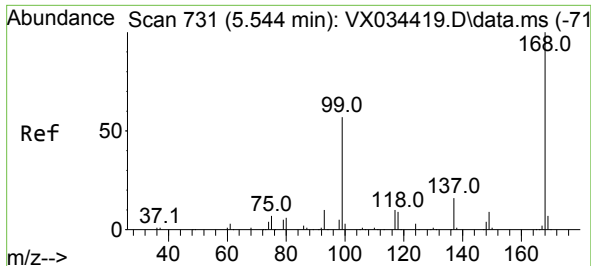
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

Instrument :

MSVOA_X

ClientSampleId :

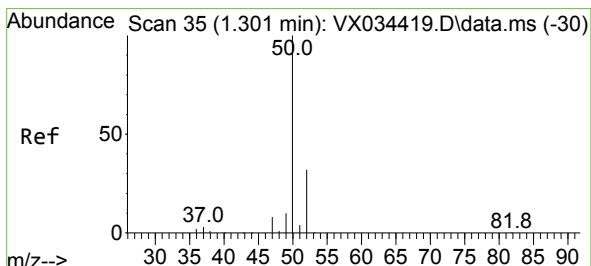
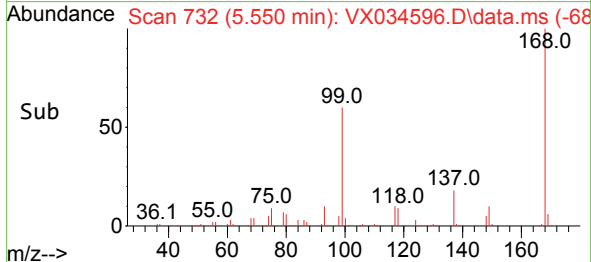
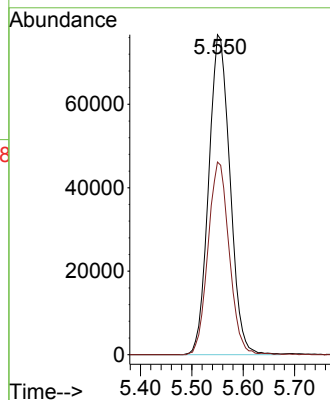
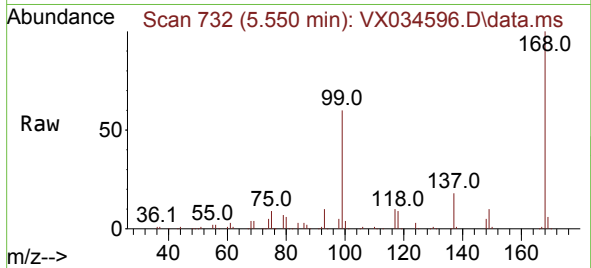
031423-1

Tgt Ion:168 Resp: 220567

Ion Ratio Lower Upper

168 100

99 60.2 45.7 68.5



#3

Chloromethane

Concen: Below Cal

RT: 1.313 min Scan# 37

Delta R.T. 0.012 min

Lab File: VX034596.D

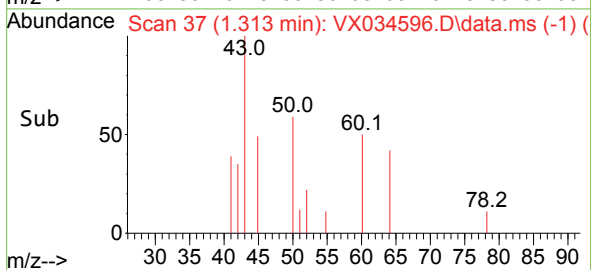
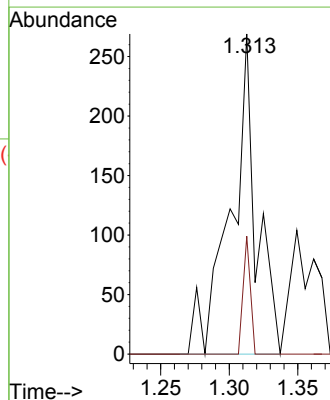
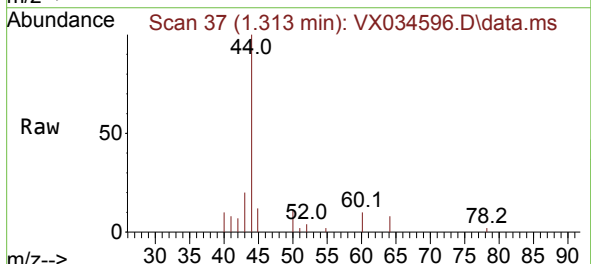
Acq: 17 Mar 2023 19:53

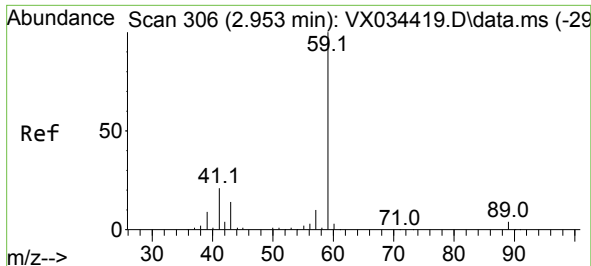
Tgt Ion: 50 Resp: 352

Ion Ratio Lower Upper

50 100

52 36.8 25.9 38.9





#11

Tert butyl alcohol

Concen: 4.063 ug/l

RT: 2.965 min Scan# 306

Delta R.T. 0.012 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

Instrument :

MSVOA_X

ClientSampleId :

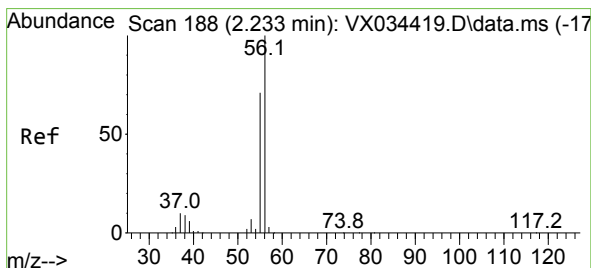
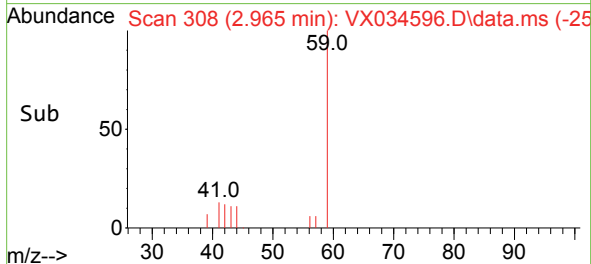
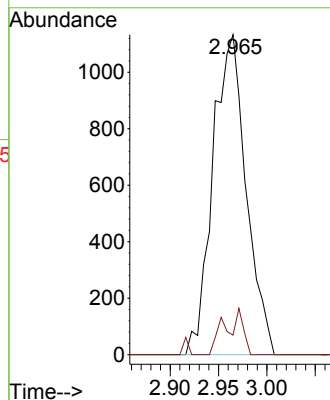
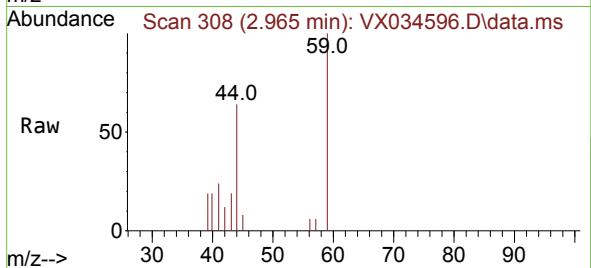
031423-1

Tgt Ion: 59 Resp: 2715

Ion Ratio Lower Upper

59 100

57 4.6 8.1 12.1#



#13

Acrolein

Concen: 0.781 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX034596.D

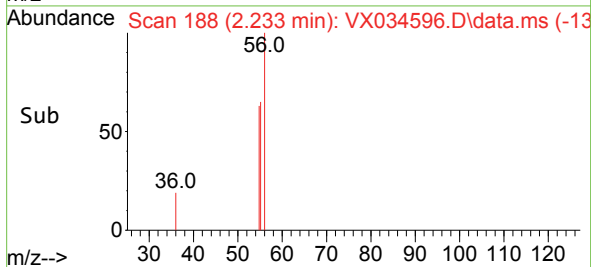
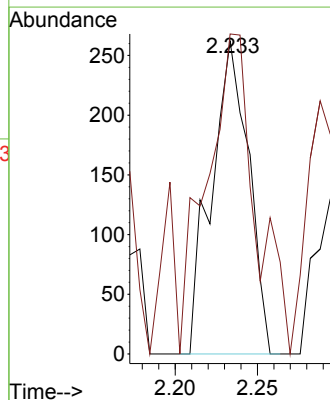
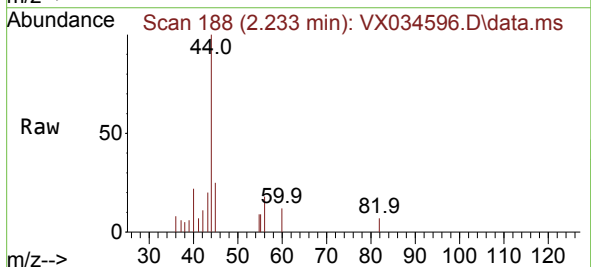
Acq: 17 Mar 2023 19:53

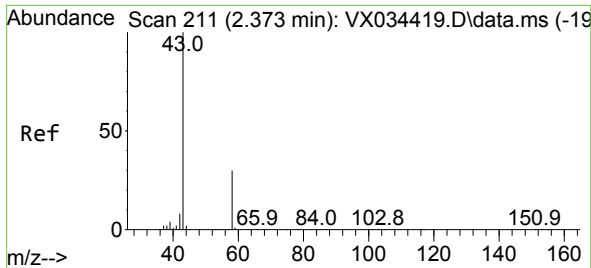
Tgt Ion: 56 Resp: 413

Ion Ratio Lower Upper

56 100

55 134.6 56.6 85.0#

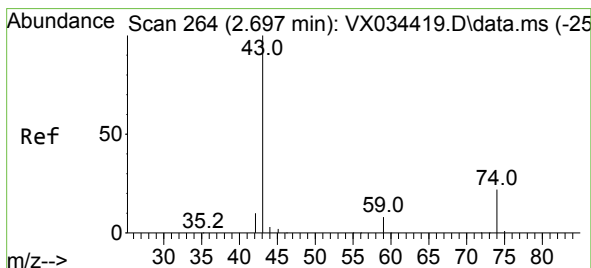
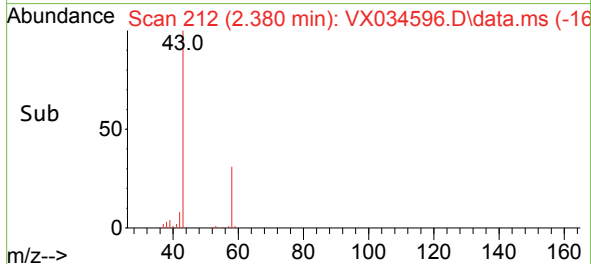
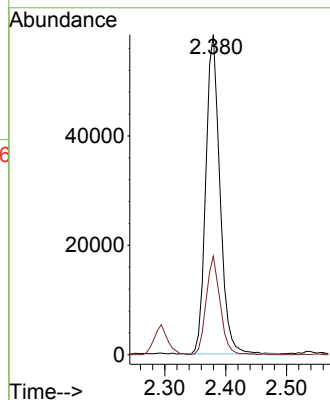
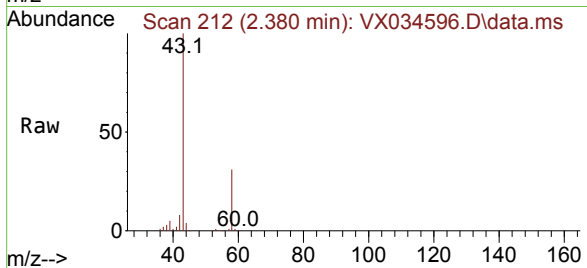




#16
Acetone
Concen: 62.310 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

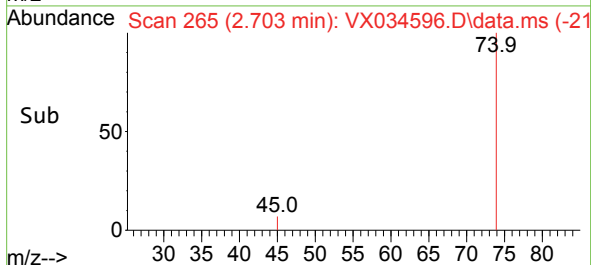
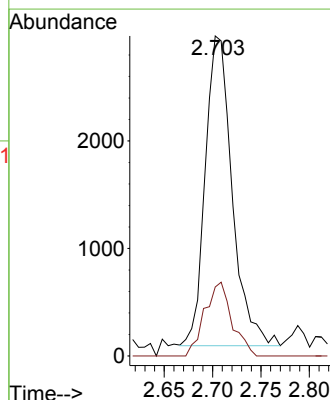
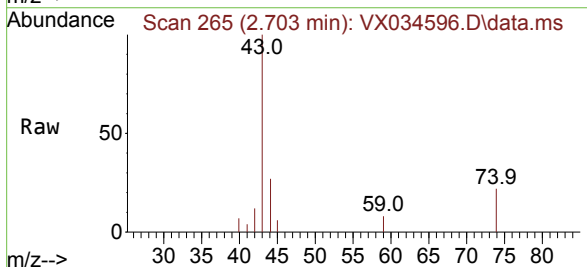
Instrument :
MSVOA_X
ClientSampleId :
031423-1

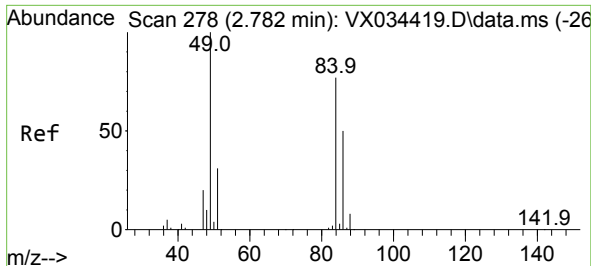
Tgt Ion: 43 Resp: 94182
Ion Ratio Lower Upper
43 100
58 30.9 24.7 37.1



#18
Methyl Acetate
Concen: 1.133 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

Tgt Ion: 43 Resp: 5598
Ion Ratio Lower Upper
43 100
74 23.9 18.3 27.5

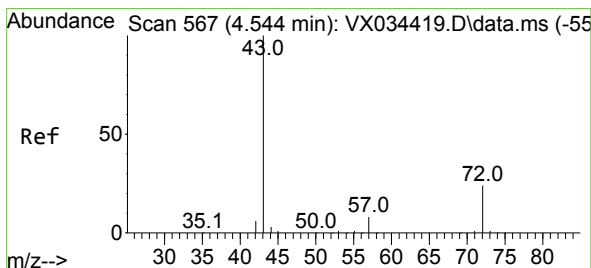
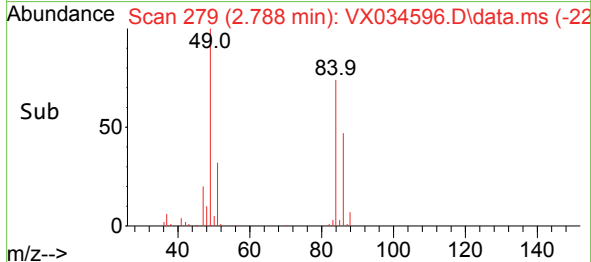
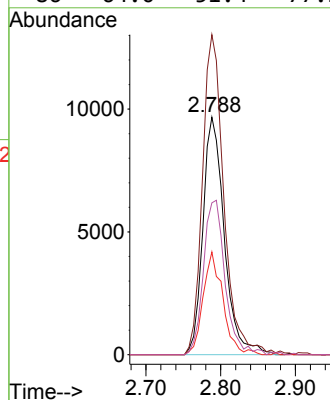
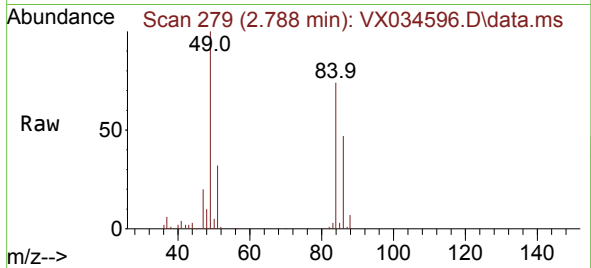




#20
Methylene Chloride
Concen: 6.564 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

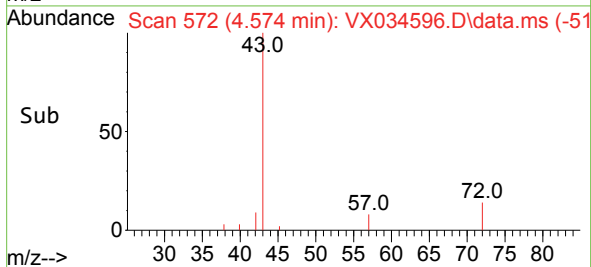
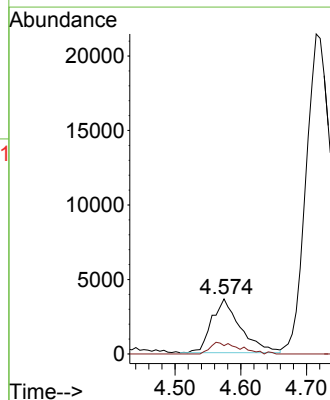
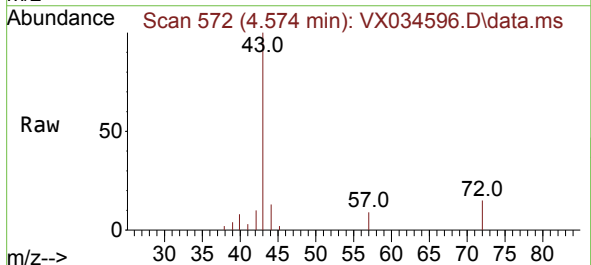
Instrument :
MSVOA_X
ClientSampleId :
031423-1

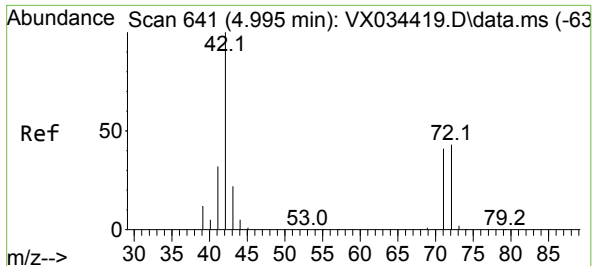
Tgt Ion:	84	Resp:	19256
Ion	Ratio	Lower	Upper
84	100		
49	134.8	103.8	155.8
51	43.2	31.8	47.8
86	64.0	51.4	77.2



#25
2-Butanone
Concen: 5.066 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.031 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

Tgt Ion:	43	Resp:	10956
Ion	Ratio	Lower	Upper
43	100		
72	15.6	19.3	28.9#





#29

Tetrahydrofuran

Concen: 0.643 ug/l

RT: 5.026 min Scan# 641

Delta R.T. 0.031 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

Instrument :

MSVOA_X

ClientSampleId :

031423-1

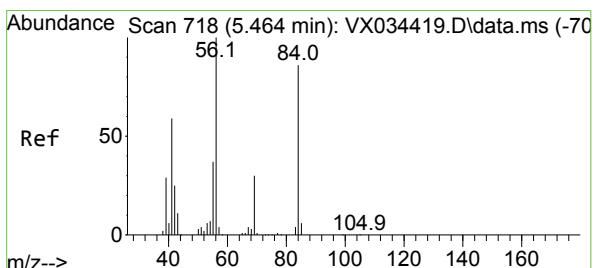
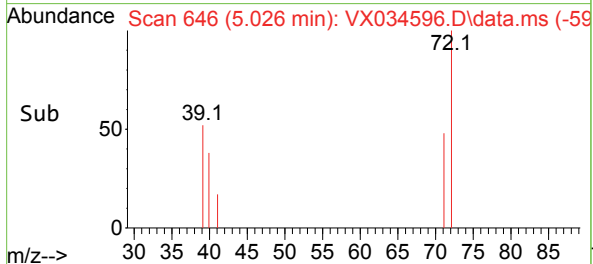
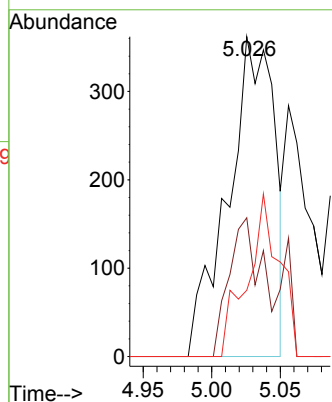
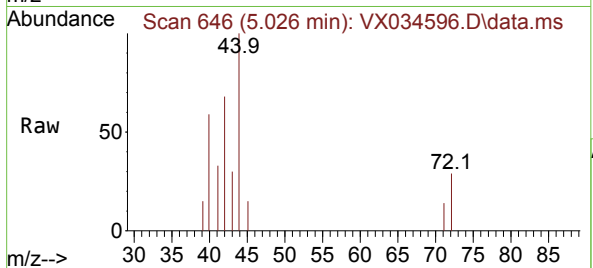
Tgt Ion: 42 Resp: 858

Ion Ratio Lower Upper

42 100

72 39.2 34.5 51.7

71 35.0 32.1 48.1



#31

Cyclohexane

Concen: 1.248 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

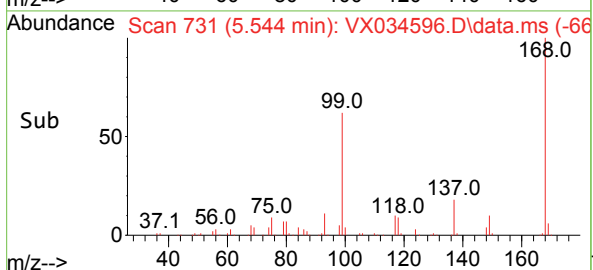
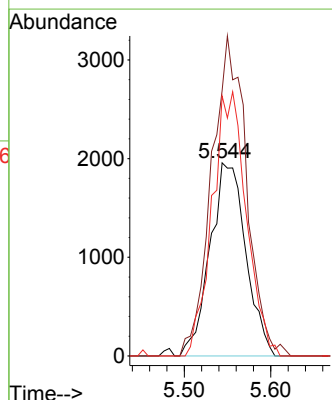
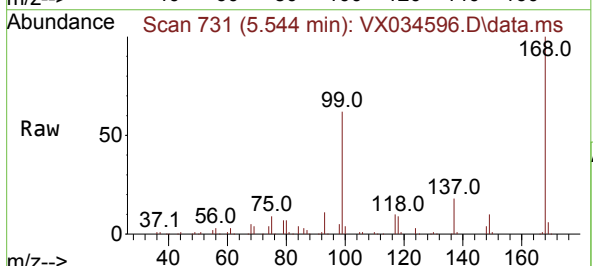
Tgt Ion: 56 Resp: 5615

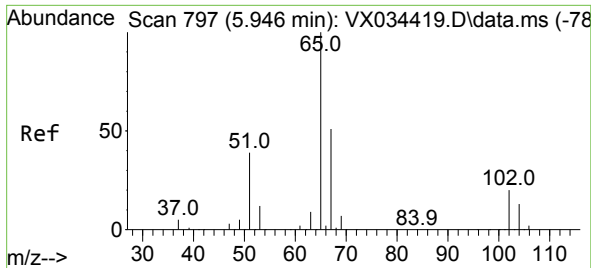
Ion Ratio Lower Upper

56 100

69 137.3 23.7 35.5#

84 134.6 68.5 102.7#

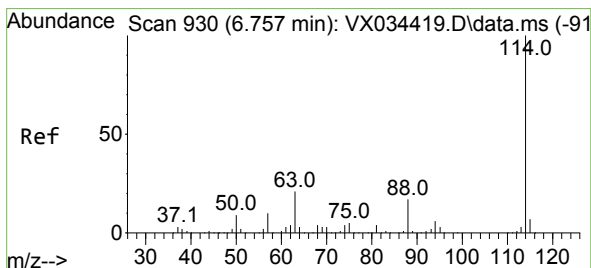
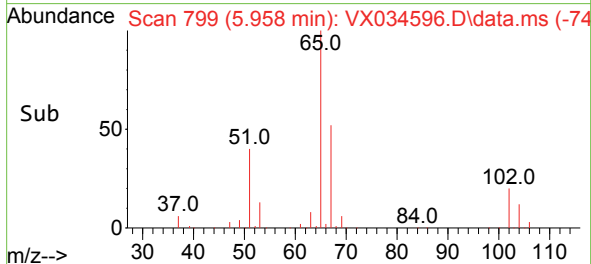
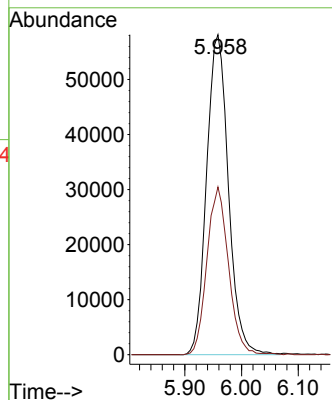
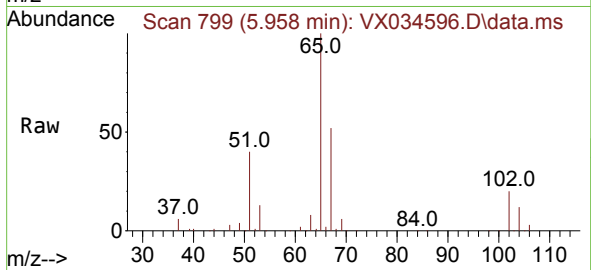




#33
 1,2-Dichloroethane-d4
 Concen: 48.423 ug/l
 RT: 5.958 min Scan# 797
 Delta R.T. 0.012 min
 Lab File: VX034596.D
 Acq: 17 Mar 2023 19:53

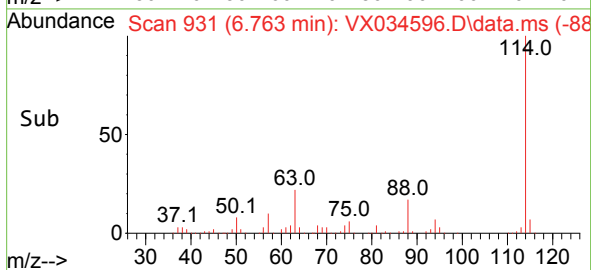
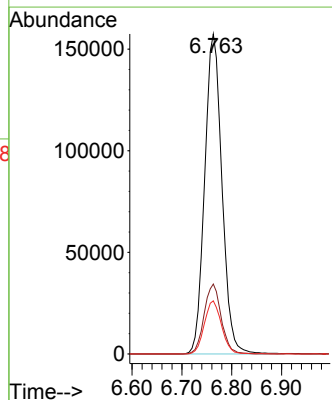
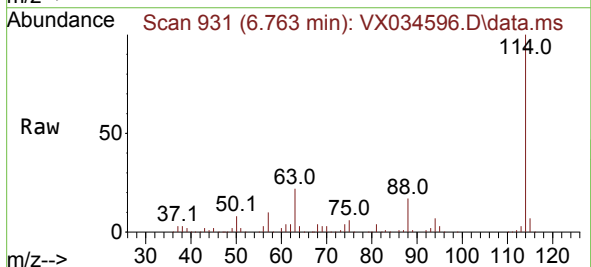
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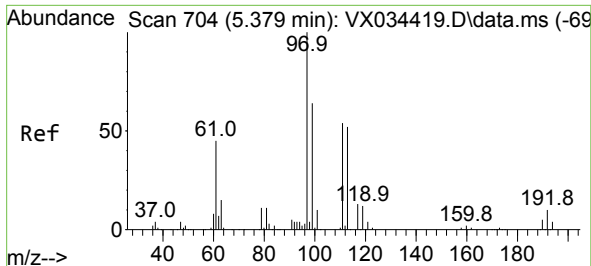
Tgt Ion: 65 Resp: 155380
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034596.D
 Acq: 17 Mar 2023 19:53

Tgt Ion: 114 Resp: 379381
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.2
 88 16.6 0.0 33.2

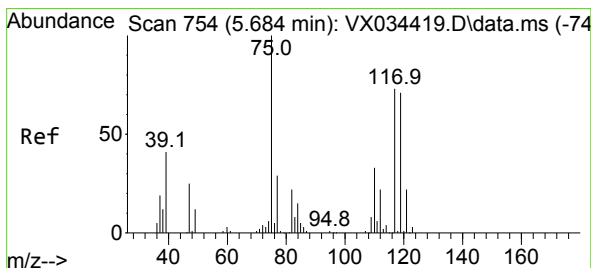
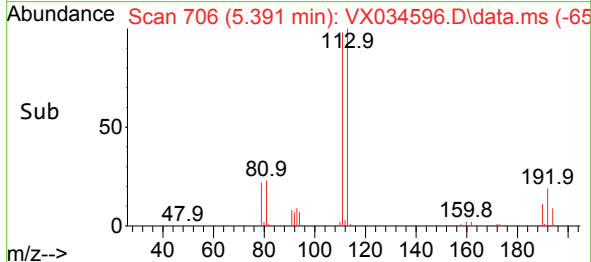
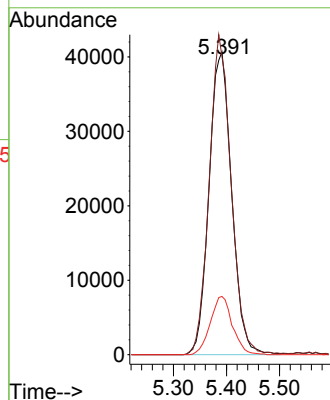
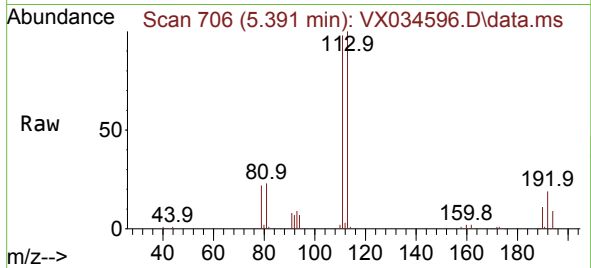




#35
Dibromofluoromethane
Concen: 48.138 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

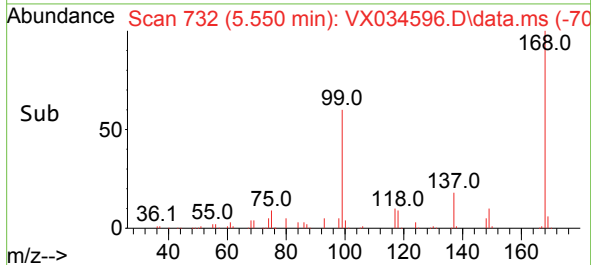
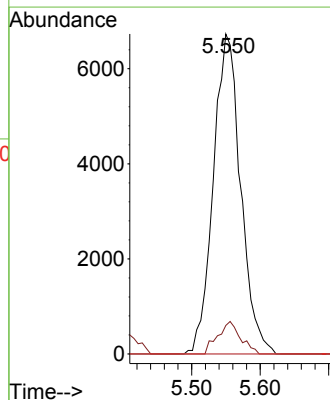
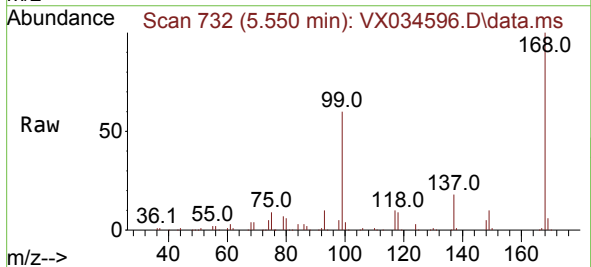
Instrument :
MSVOA_X
ClientSampleId :
031423-1

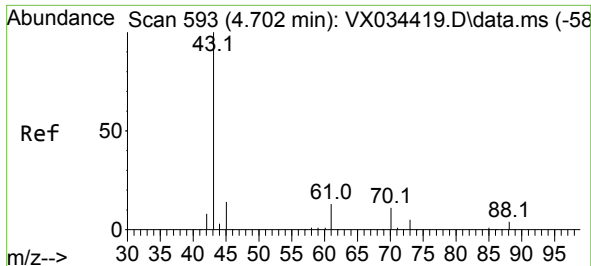
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Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 18.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.842 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

Tgt Ion: 75 Resp: 18627
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 14.892 ug/l

RT: 4.715 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

Instrument :

MSVOA_X

ClientSampleId :

031423-1

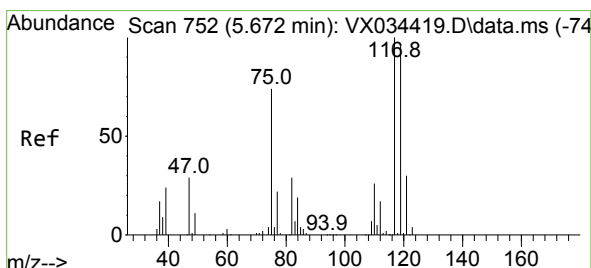
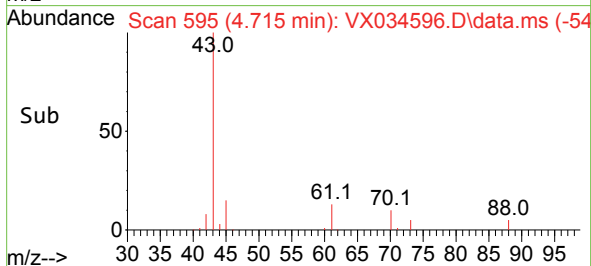
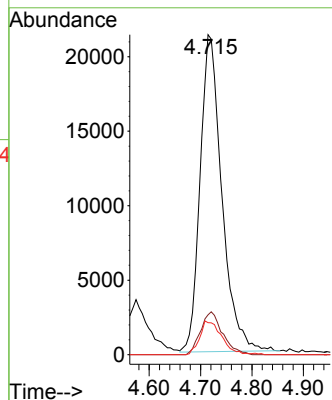
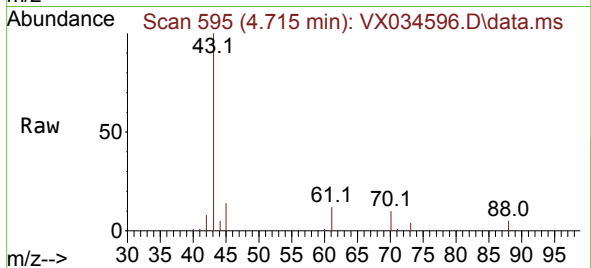
Tgt Ion: 43 Resp: 62593

Ion Ratio Lower Upper

43 100

61 13.6 10.2 15.4

70 10.6 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.878 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

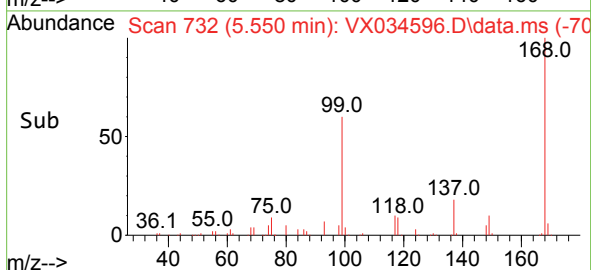
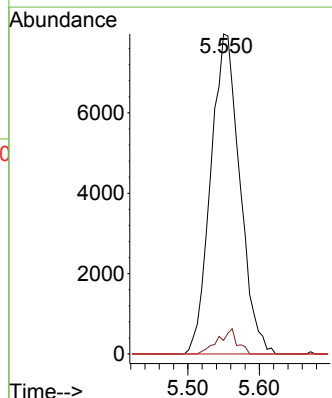
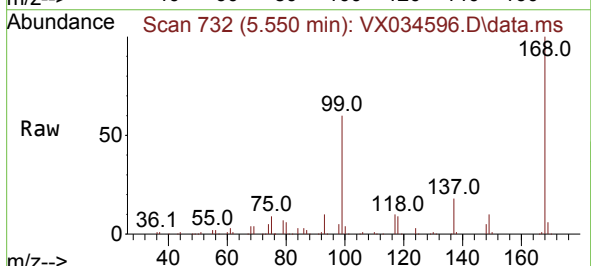
Tgt Ion: 117 Resp: 22498

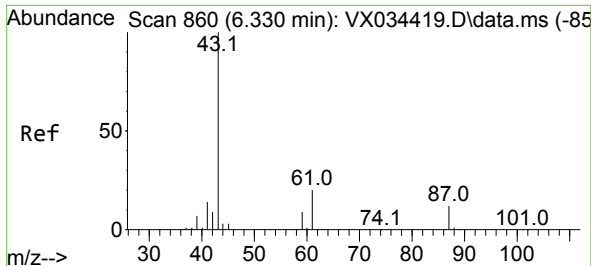
Ion Ratio Lower Upper

117 100

119 4.2 76.6 114.8#

121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 36.400 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.012 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

Instrument :

MSVOA_X

ClientSampleId :

031423-1

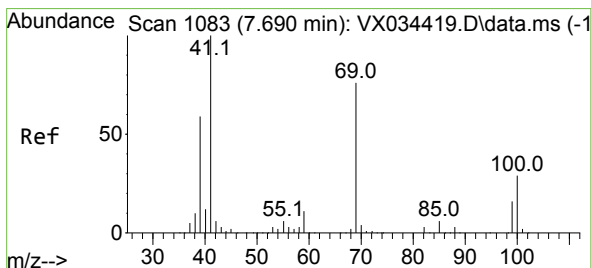
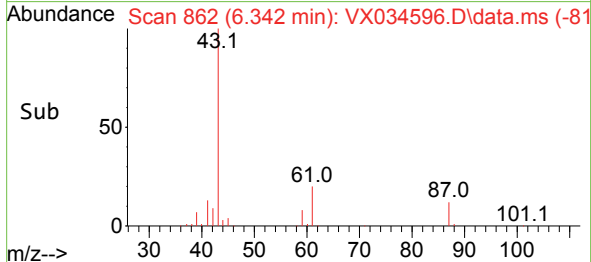
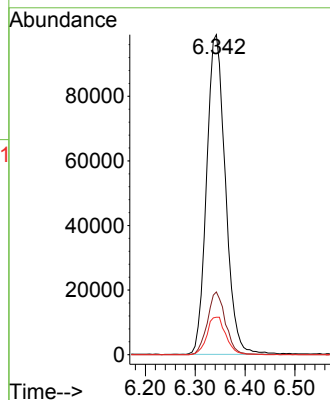
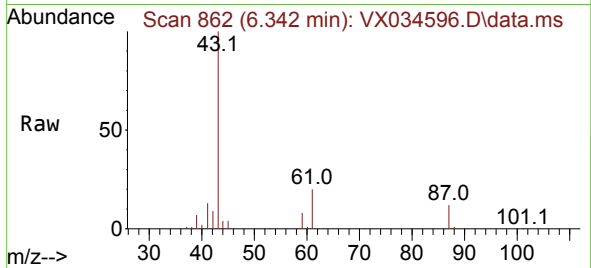
Tgt Ion: 43 Resp: 259180

Ion Ratio Lower Upper

43 100

61 18.8 15.2 22.8

87 11.8 9.8 14.8



#48

Methyl methacrylate

Concen: 64.136 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

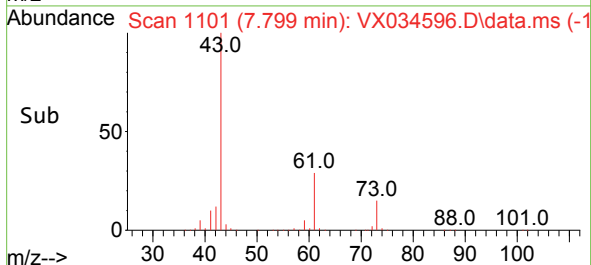
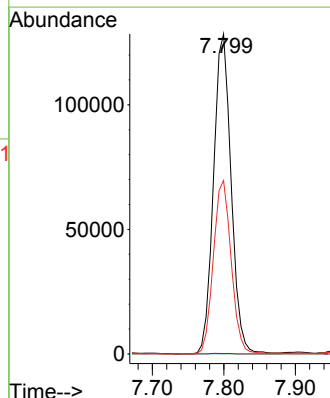
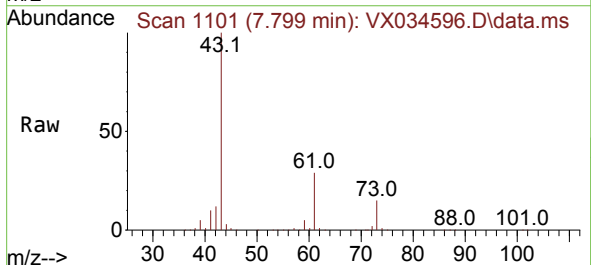
Tgt Ion: 41 Resp: 219632

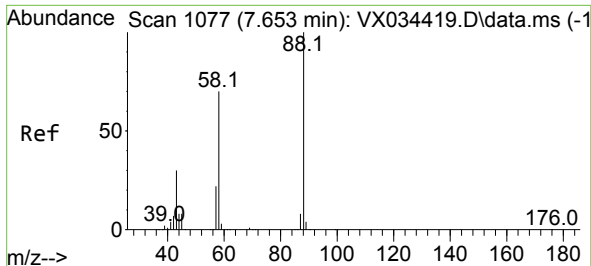
Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.4#

39 54.7 47.7 71.5





#49

1,4-Dioxane

Concen: 5.200 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.146 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

Instrument :

MSVOA_X

ClientSampleId :

031423-1

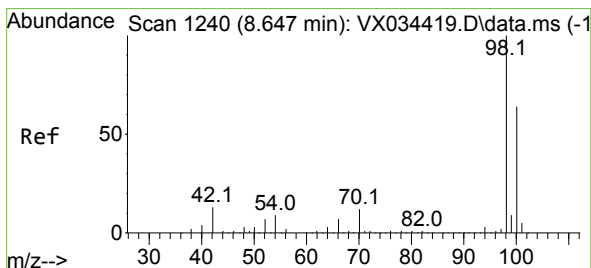
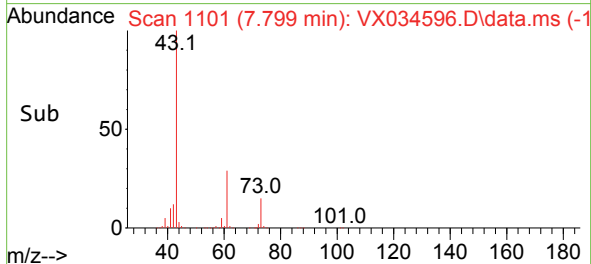
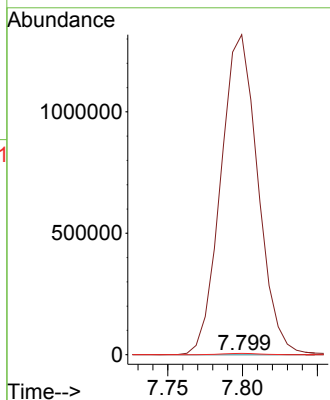
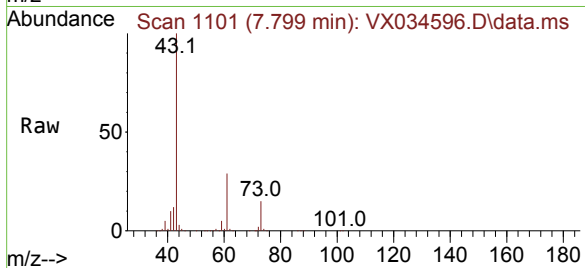
Tgt Ion: 88 Resp: 374

Ion Ratio Lower Upper

88 100

43 610836.1 27.7 41.5#

58 2465.2 56.8 85.2#



#50

Toluene-d8

Concen: 50.430 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034596.D

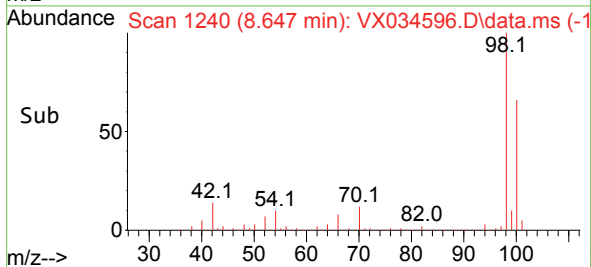
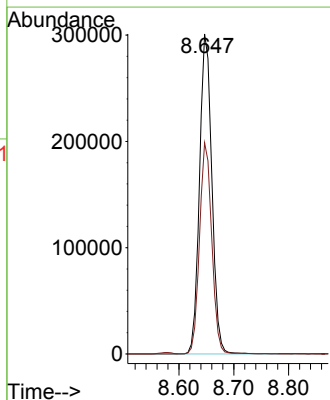
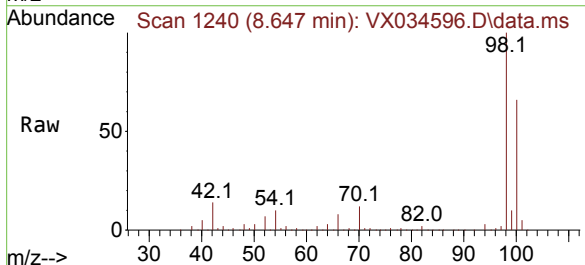
Acq: 17 Mar 2023 19:53

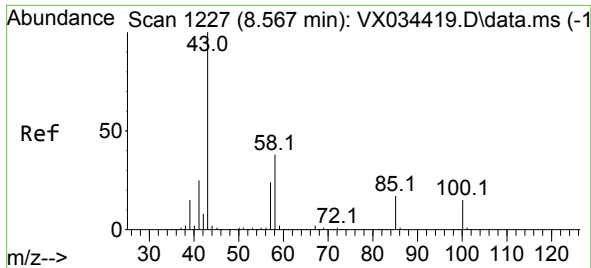
Tgt Ion: 98 Resp: 471558

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

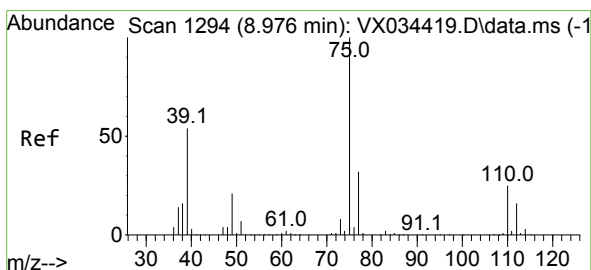
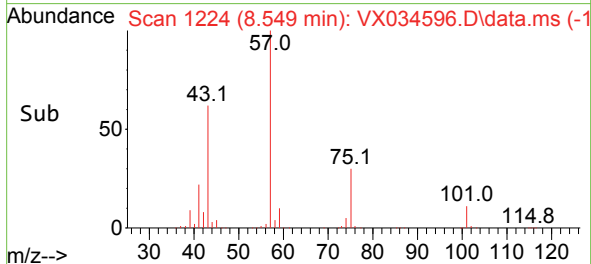
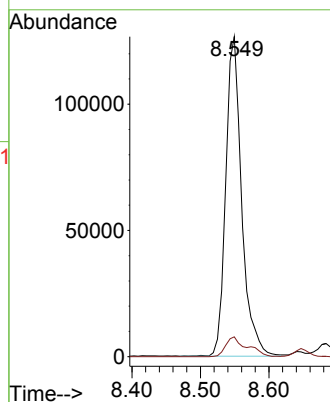
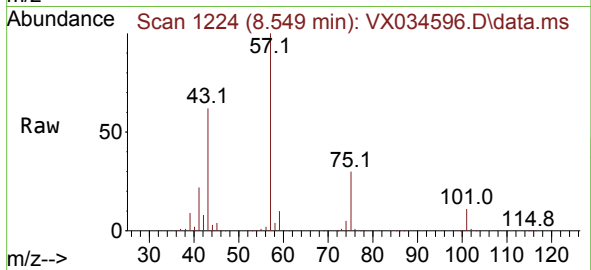




#51
4-Methyl-2-Pentanone
Concen: 49.346 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

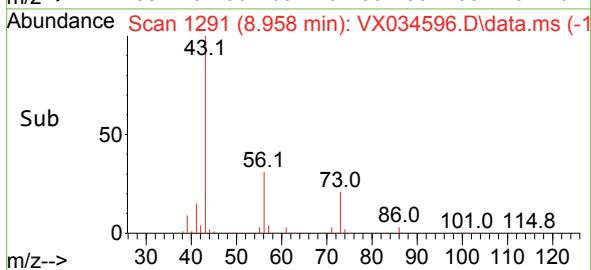
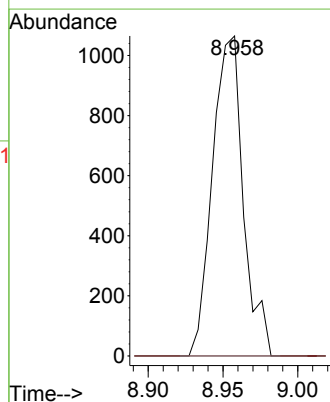
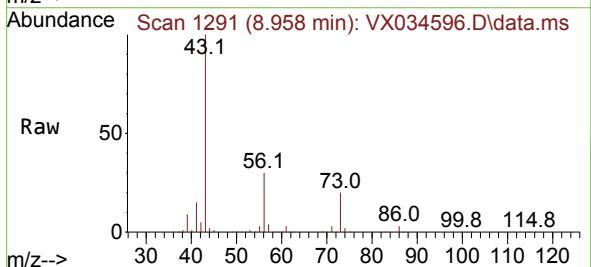
Instrument :
MSVOA_X
ClientSampleId :
031423-1

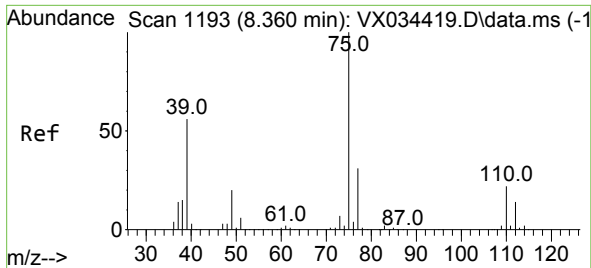
Tgt Ion: 43 Resp: 203824
Ion Ratio Lower Upper
43 100
58 8.4 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.351 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

Tgt Ion: 75 Resp: 1527
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

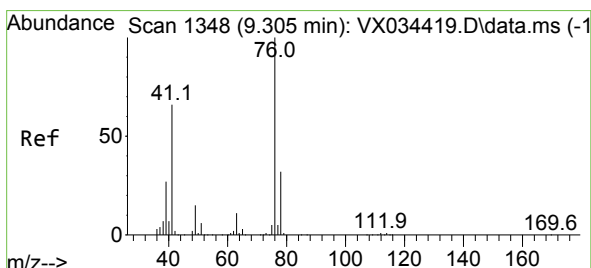
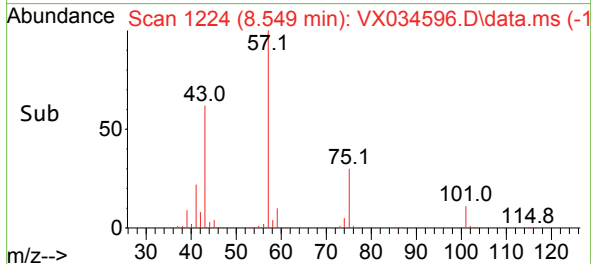
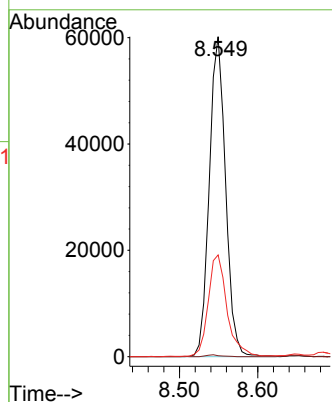
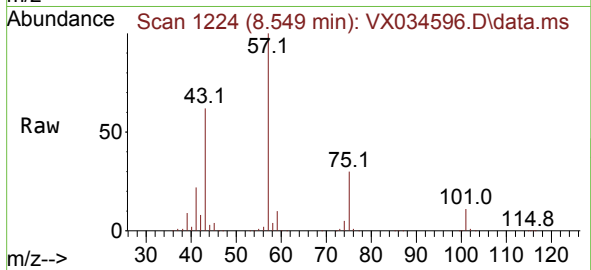




#54
 cis-1,3-Dichloropropene
 Concen: 18.406 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034596.D
 Acq: 17 Mar 2023 19:53

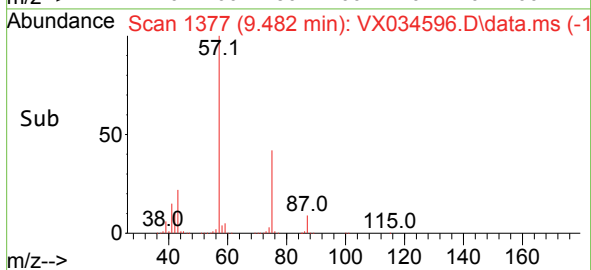
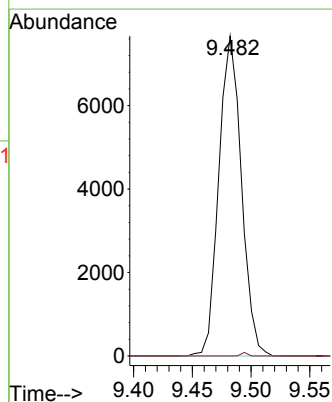
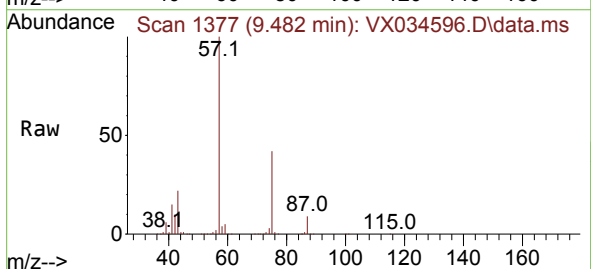
Instrument :
 MSVOA_X
 ClientSampleId :
 031423-1

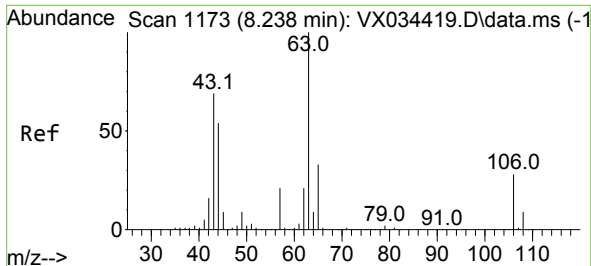
Tgt Ion: 75 Resp: 86746
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.0 37.4#
 39 31.7 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.089 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034596.D
 Acq: 17 Mar 2023 19:53

Tgt Ion: 76 Resp: 10266
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#

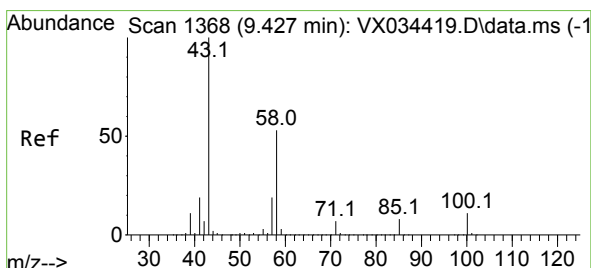
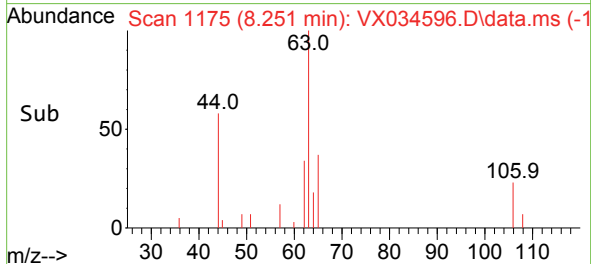
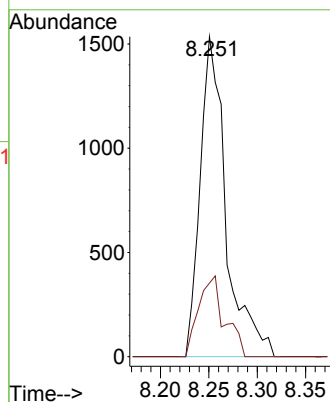
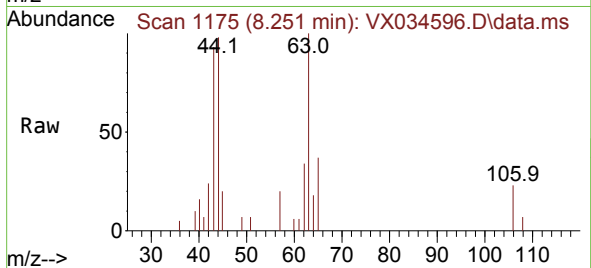




#58
2-Chloroethyl Vinyl ether
Concen: 1.222 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

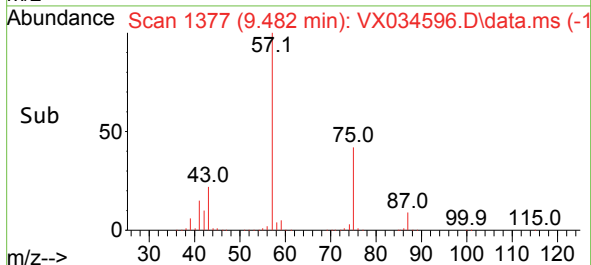
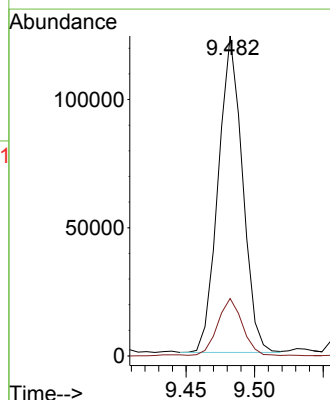
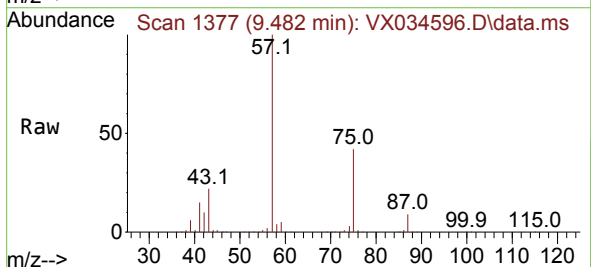
Instrument :
MSVOA_X
ClientSampleId :
031423-1

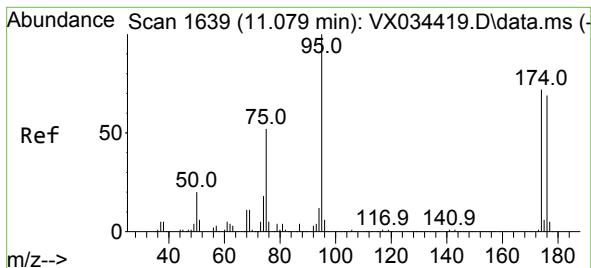
Tgt Ion: 63 Resp: 2859
Ion Ratio Lower Upper
63 100
106 25.3 22.2 33.2



#59
2-Hexanone
Concen: 47.585 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

Tgt Ion: 43 Resp: 151937
Ion Ratio Lower Upper
43 100
58 18.9 26.3 78.9#

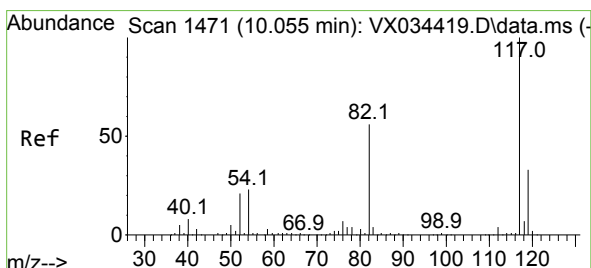
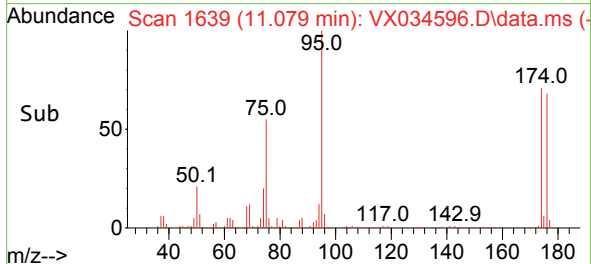
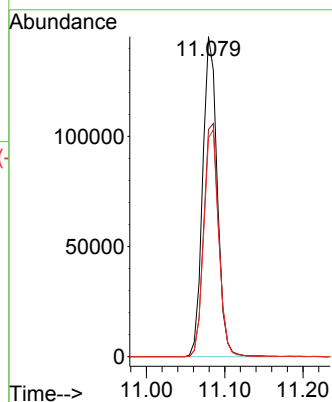
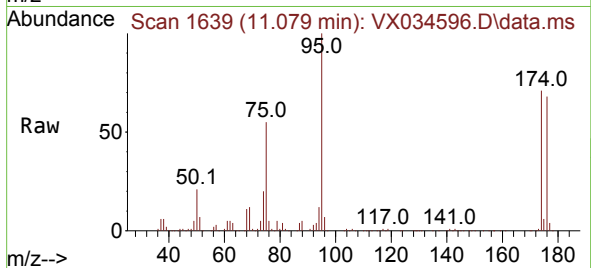




#62
4-Bromofluorobenzene
Concen: 49.616 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

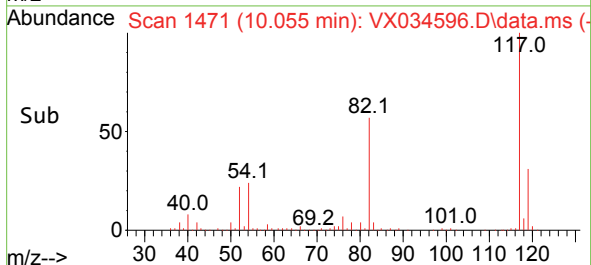
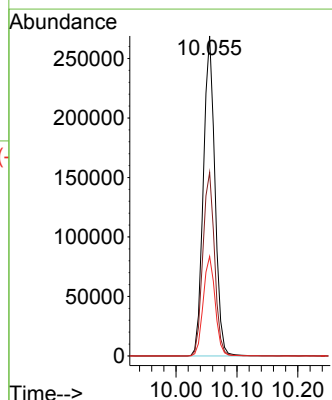
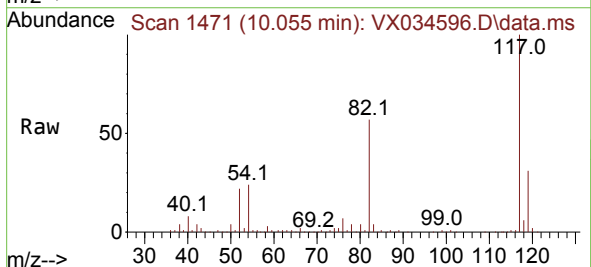
Instrument :
MSVOA_X
ClientSampleId :
031423-1

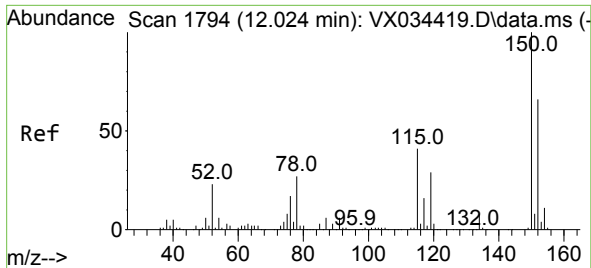
Tgt Ion: 95 Resp: 187401
Ion Ratio Lower Upper
95 100
174 74.9 0.0 147.4
176 72.6 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034596.D
Acq: 17 Mar 2023 19:53

Tgt Ion: 117 Resp: 354746
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 31.1 26.0 39.0

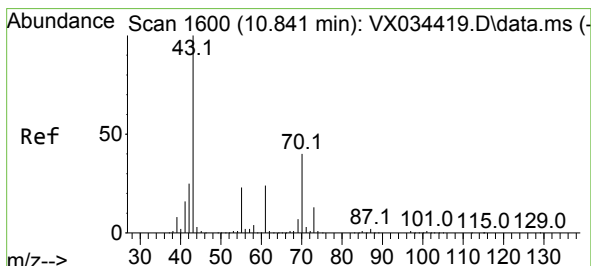
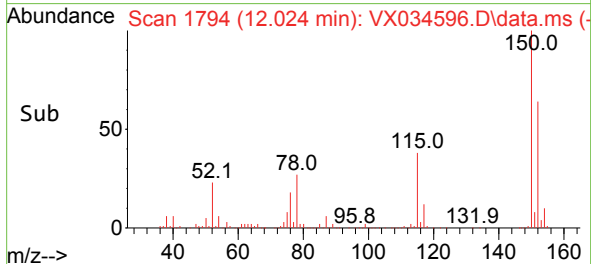
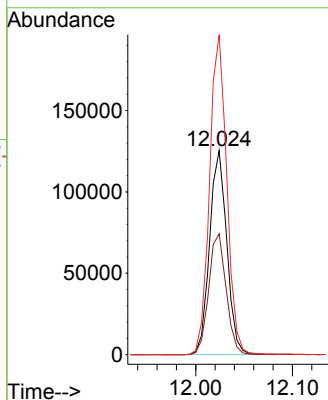
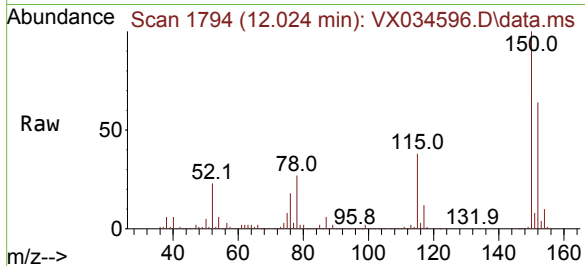




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034596.D
 Acq: 17 Mar 2023 19:53

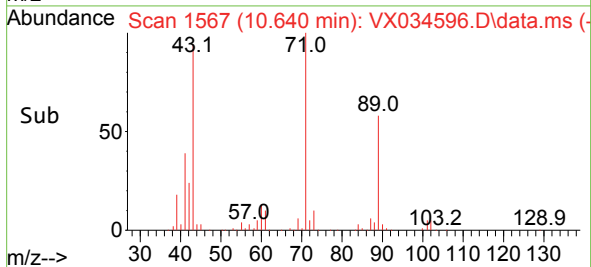
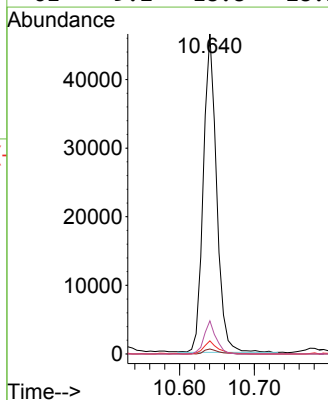
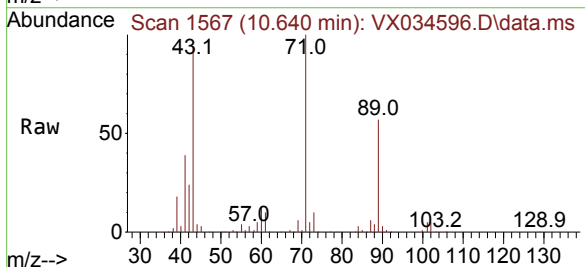
Instrument :
 MSVOA_X
 ClientSampleId :
 031423-1

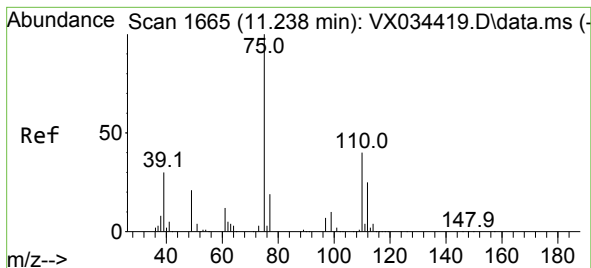
Tgt Ion:152 Resp: 155650
 Ion Ratio Lower Upper
 152 100
 115 60.2 45.0 135.0
 150 156.4 0.0 352.4



#74
 N-ethyl acetate
 Concen: 9.915 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX034596.D
 Acq: 17 Mar 2023 19:53

Tgt Ion: 43 Resp: 57127
 Ion Ratio Lower Upper
 43 100
 70 1.7 32.1 48.1#
 55 4.3 18.3 27.5#
 61 9.2 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 28.250 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

Instrument :

MSVOA_X

ClientSampleId :

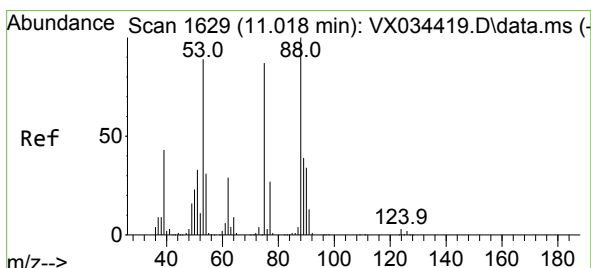
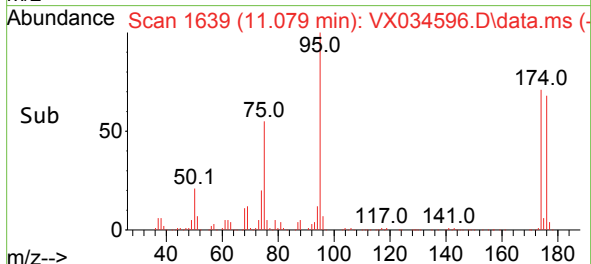
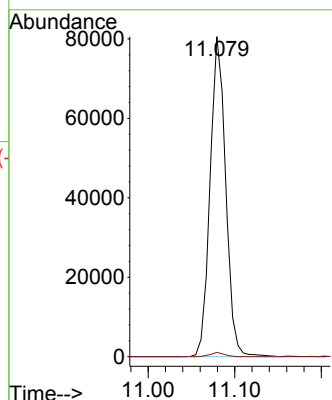
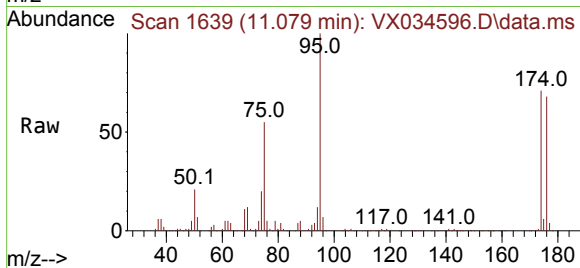
031423-1

Tgt Ion: 75 Resp: 100964

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.426 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034596.D

Acq: 17 Mar 2023 19:53

Tgt Ion: 75 Resp: 100964

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

