

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040123.D
 Acq On : 05 Feb 2024 17:58
 Operator : JC/MD
 Sample : P1337-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Feb 06 03:04:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

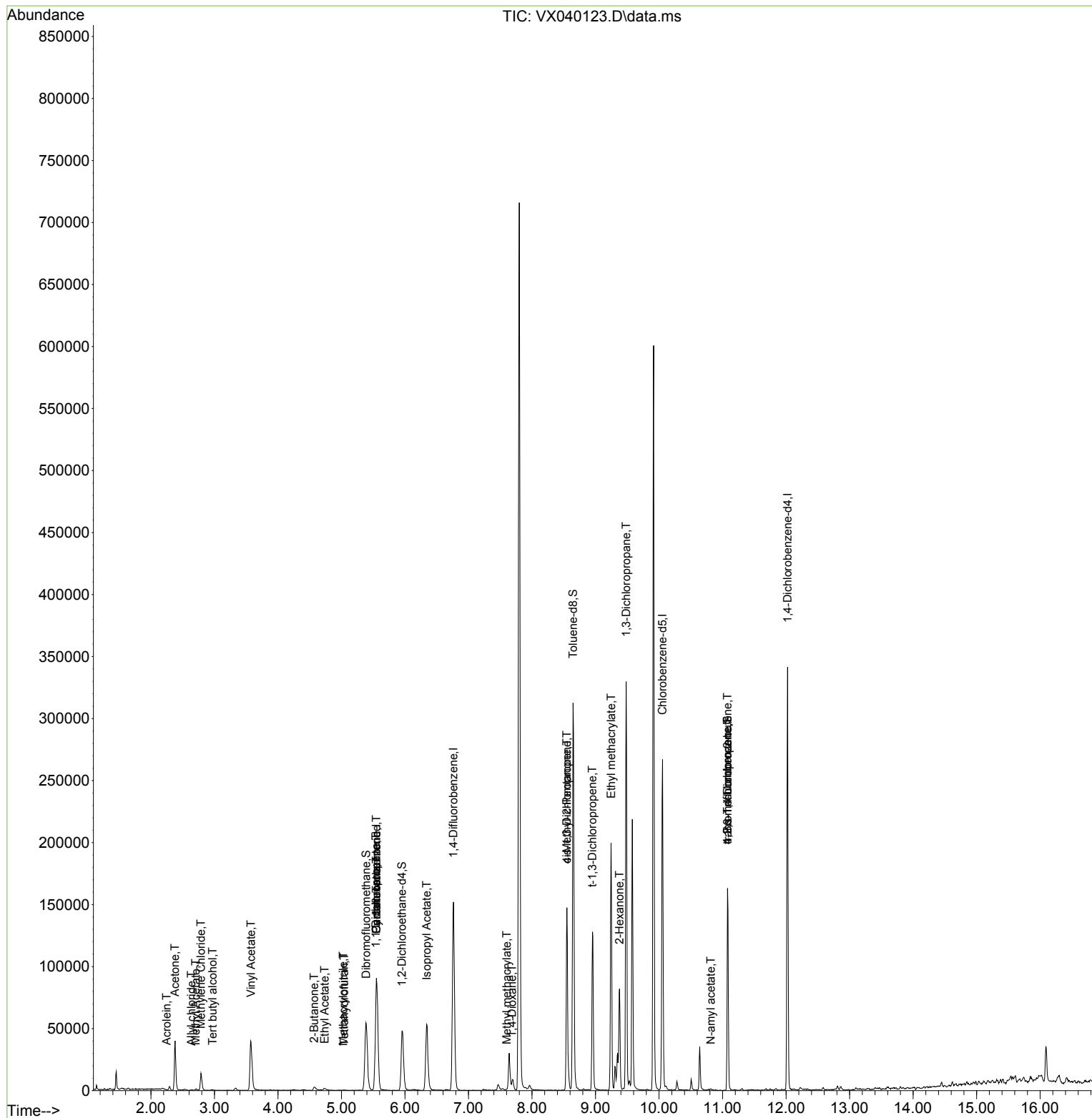
Internal Standards						
1) Pentafluorobenzene	5.550	168	80748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	146610	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	110108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	46012	35.406	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	70.820%#
35) Dibromofluoromethane	5.385	113	47368	47.462	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.920%
50) Toluene-d8	8.647	98	184812	49.516	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.040%
62) 4-Bromofluorobenzene	11.079	95	40315	28.052	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	56.100%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	521	2.210	ug/l #	78
13) Acrolein	2.245	56	197	0.872	ug/l	89
14) Allyl chloride	2.636	41	396	0.242	ug/l #	24
16) Acetone	2.380	43	39064	64.155	ug/l	92
18) Methyl Acetate	2.703	43	1261	0.874	ug/l #	84
20) Methylene Chloride	2.788	84	5934	5.484	ug/l	89
23) Vinyl Acetate	3.574	43	681	0.240	ug/l #	73
25) 2-Butanone	4.568	43	4850	5.730	ug/l	91
29) Tetrahydrofuran	5.044	42	321	0.596	ug/l #	34
31) Cyclohexane	5.550	56	2360	1.450	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	6905	4.784	ug/l #	51
37) Ethyl Acetate	4.733	43	2824	1.791	ug/l #	86
38) Carbon Tetrachloride	5.550	117	8888	6.436	ug/l #	14
41) Methacrylonitrile	5.025	41	267	0.334	ug/l #	37
43) Isopropyl Acetate	6.342	43	71855	28.906	ug/l	98
48) Methyl methacrylate	7.604	41	1975	1.613	ug/l #	16
49) 1,4-Dioxane	7.684	88	20	0.752	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	52681	31.045	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	327	0.212	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	22043	13.423	ug/l #	61
56) Ethyl methacrylate	9.244	69	342	0.216	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2709	1.516	ug/l #	42
59) 2-Hexanone	9.378	43	62341	46.077	ug/l #	26
74) N-amyl acetate	10.817	43	445	0.418	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	24405	18.397	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	24405	56.924	ug/l #	5
90) Hexachloroethane	12.695	117	43	Below Cal	#	17

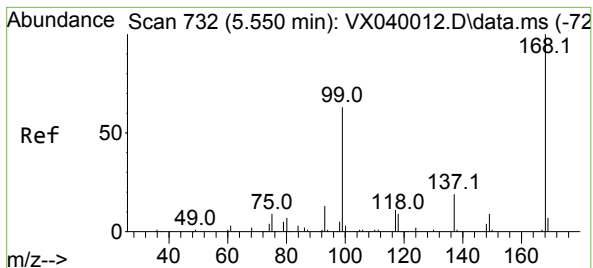
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

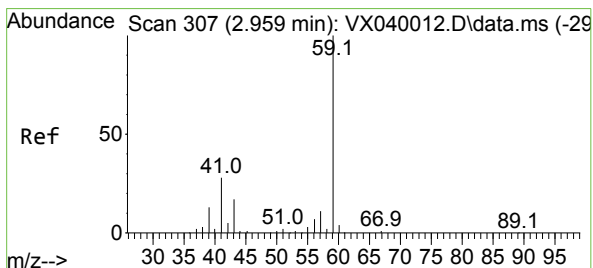
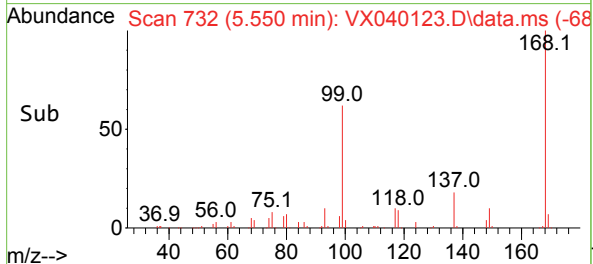
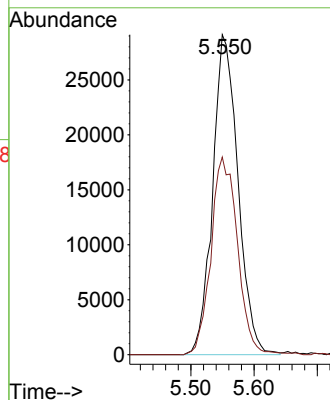
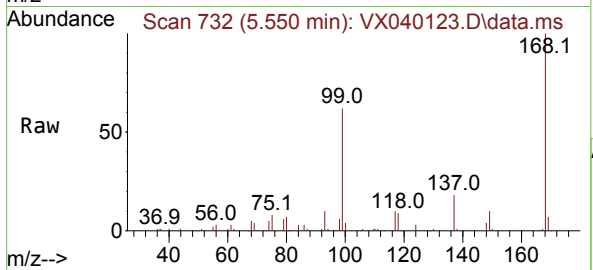
TP-3

Tgt Ion:168 Resp: 80748

Ion Ratio Lower Upper

168 100

99 61.8 56.6 85.0



#11

Tert butyl alcohol

Concen: 2.210 ug/l

RT: 2.971 min Scan# 309

Delta R.T. 0.012 min

Lab File: VX040123.D

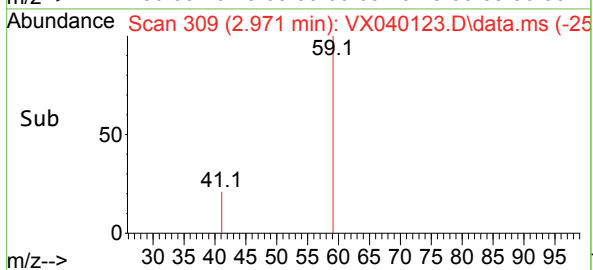
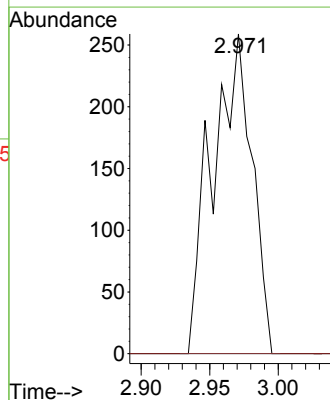
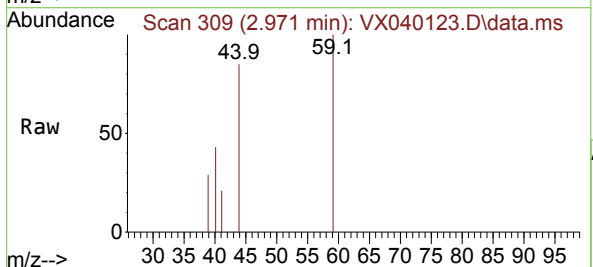
Acq: 05 Feb 2024 17:58

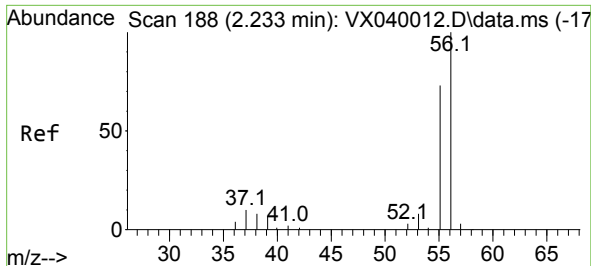
Tgt Ion: 59 Resp: 521

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.872 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

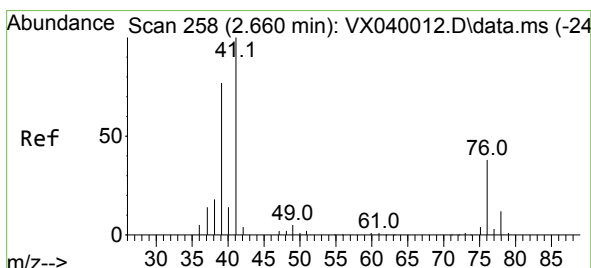
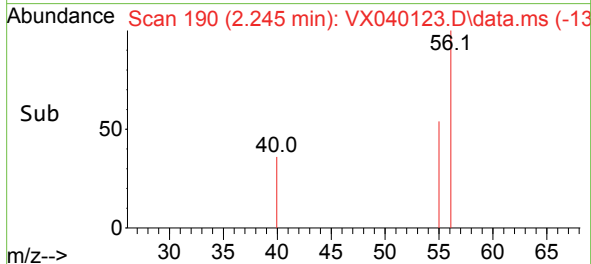
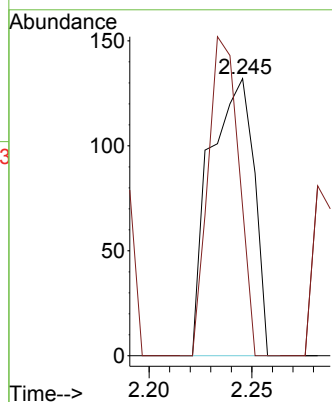
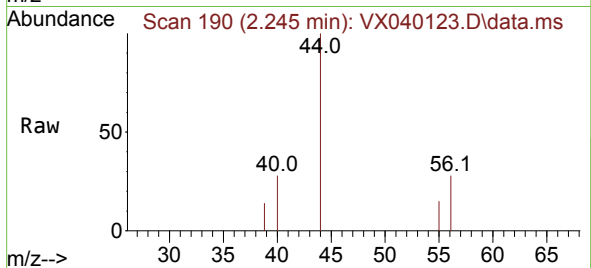
TP-3

Tgt Ion: 56 Resp: 197

Ion Ratio Lower Upper

56 100

55 80.2 57.1 85.7



#14

Allyl chloride

Concen: 0.242 ug/l

RT: 2.636 min Scan# 254

Delta R.T. -0.024 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

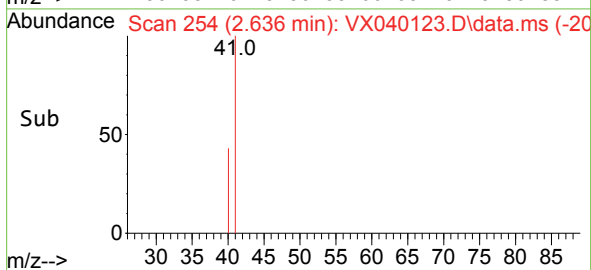
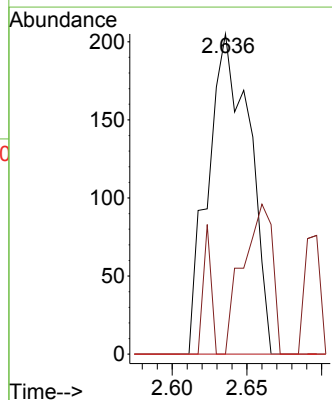
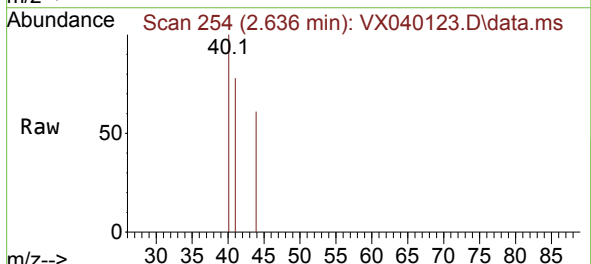
Tgt Ion: 41 Resp: 396

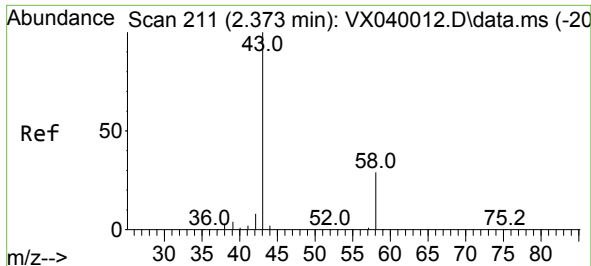
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

76 0.0 24.3 36.5#

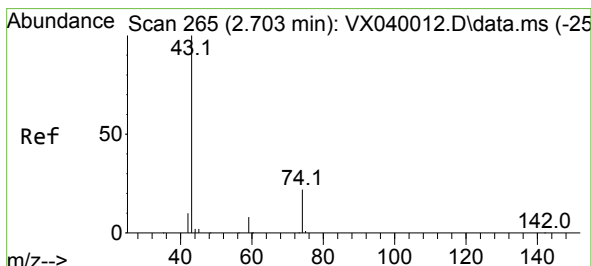
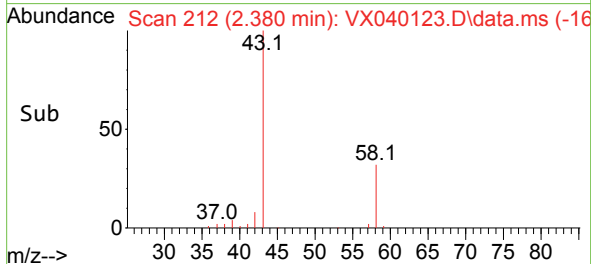
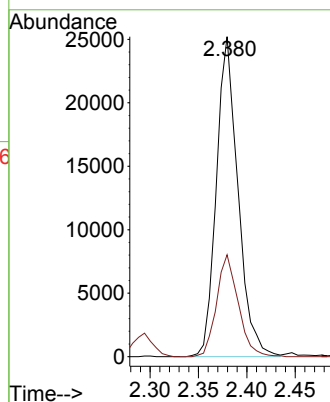
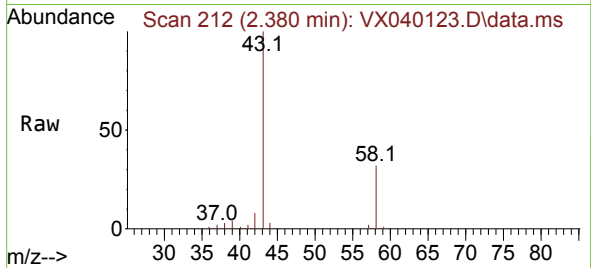




#16
Acetone
Concen: 64.155 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

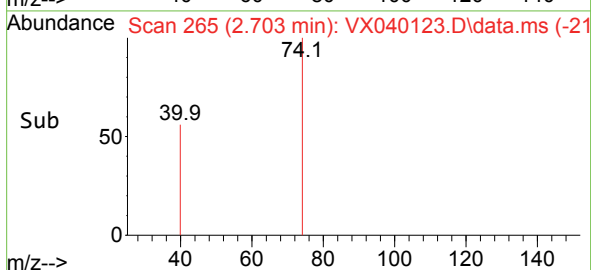
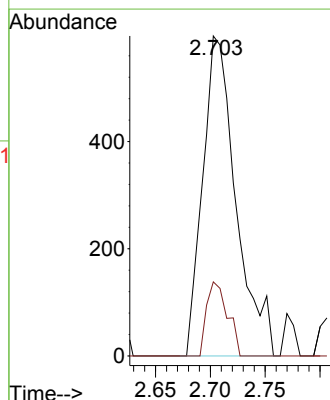
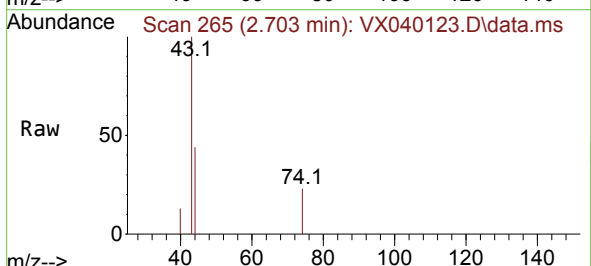
Instrument :
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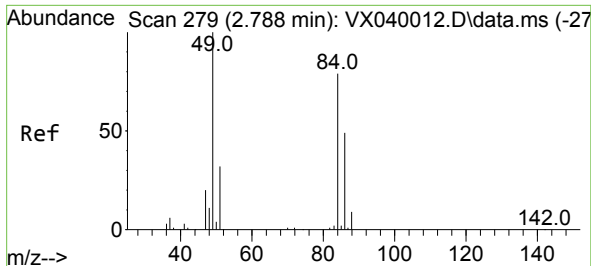
Tgt Ion: 43 Resp: 39064
Ion Ratio Lower Upper
43 100
58 31.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.874 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
74 14.5 17.8 26.8#

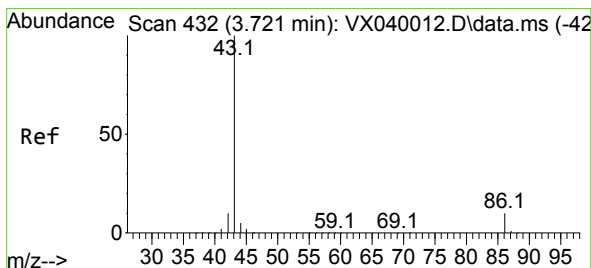
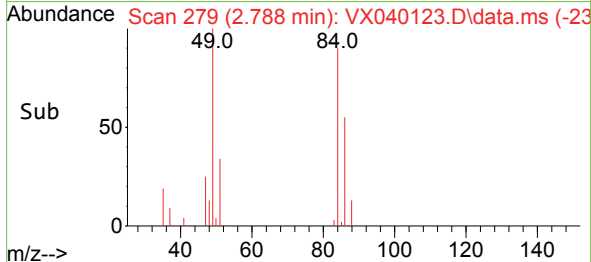
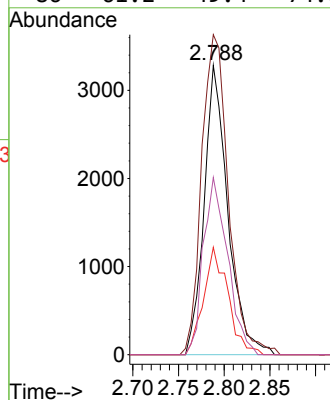
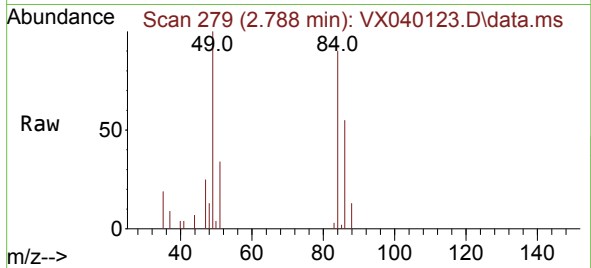




#20
Methylene Chloride
Concen: 5.484 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

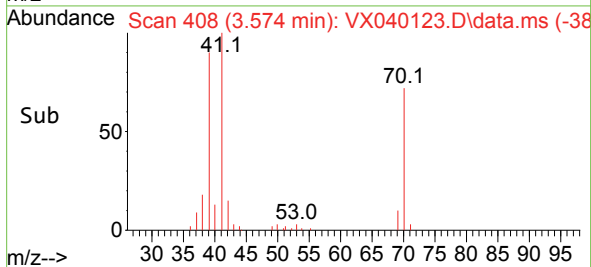
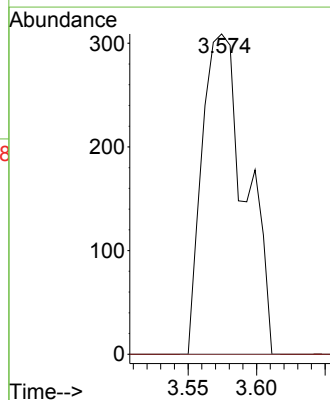
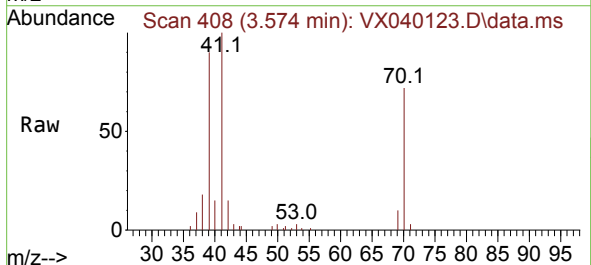
Instrument :
MSVOA_X
ClientSampleId :
TP-3

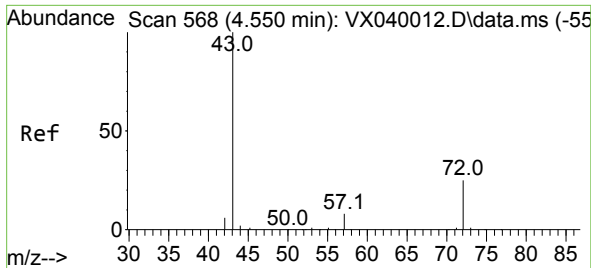
Tgt Ion:	84	Resp:	5934
Ion	Ratio	Lower	Upper
84	100		
49	110.6	103.6	155.4
51	37.1	33.8	50.6
86	61.2	49.4	74.0



#23
Vinyl Acetate
Concen: 0.240 ug/l
RT: 3.574 min Scan# 408
Delta R.T. -0.146 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion:	43	Resp:	681
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8

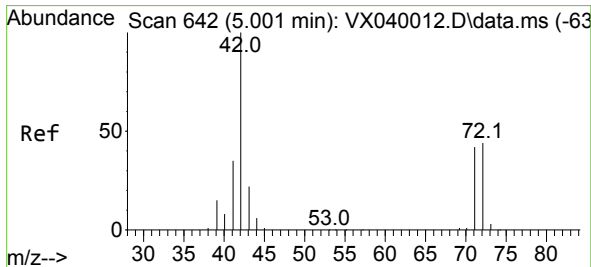
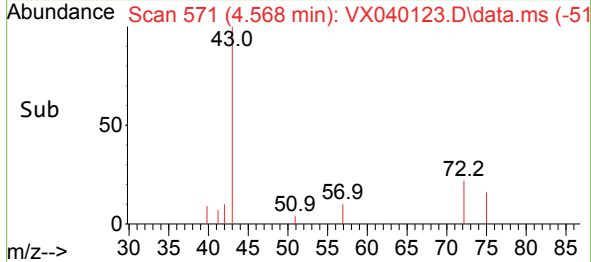
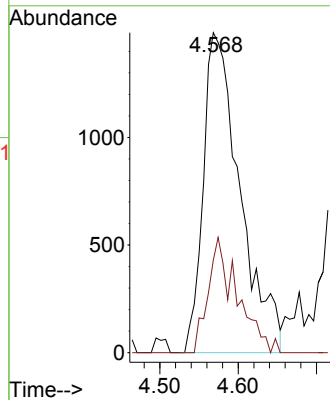
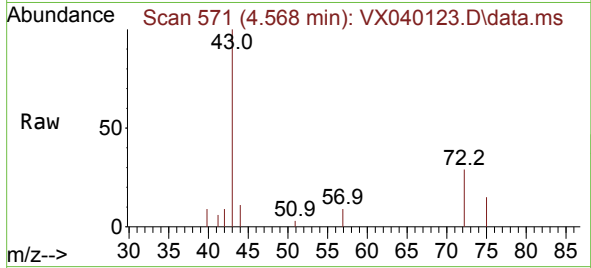




#25
2-Butanone
Concen: 5.730 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

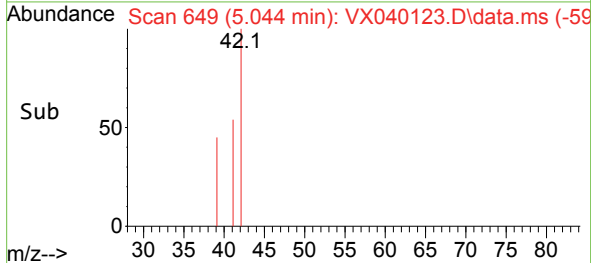
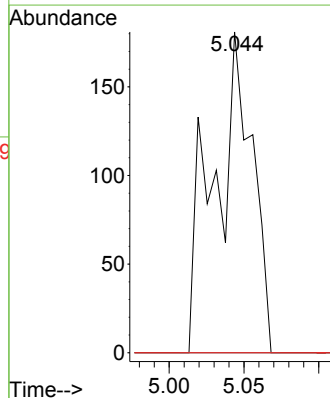
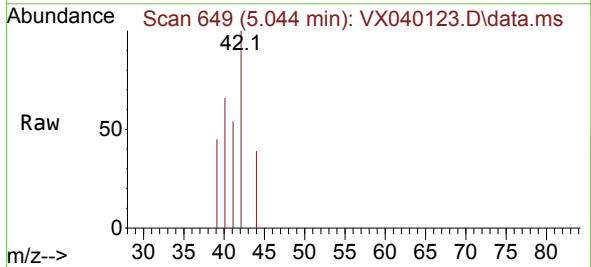
Instrument :
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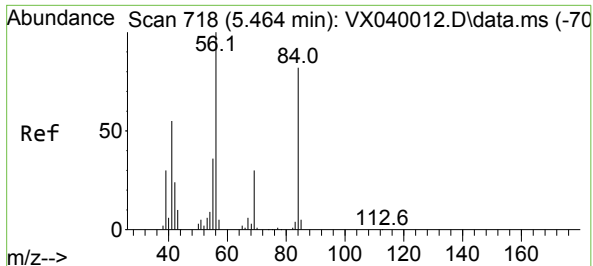
Tgt Ion: 43 Resp: 4850
Ion Ratio Lower Upper
43 100
72 28.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.596 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion: 42 Resp: 321
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#

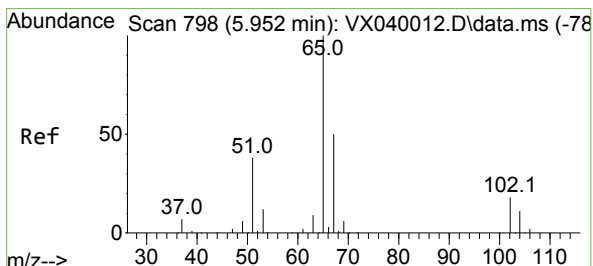
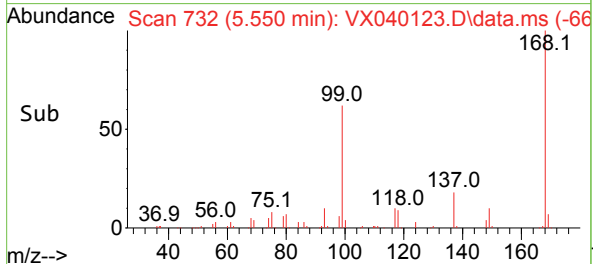
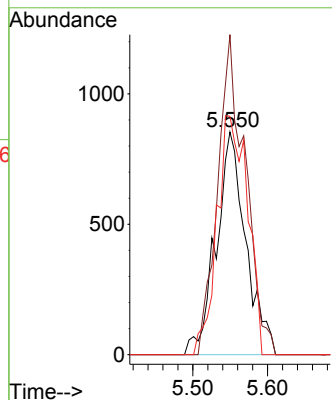
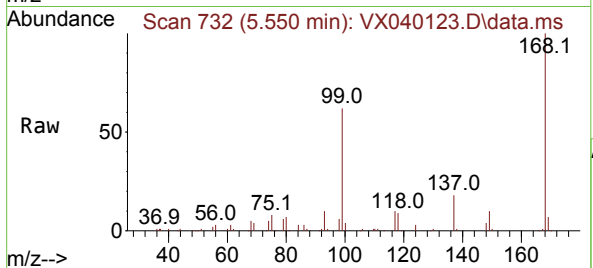




#31
Cyclohexane
Concen: 1.450 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

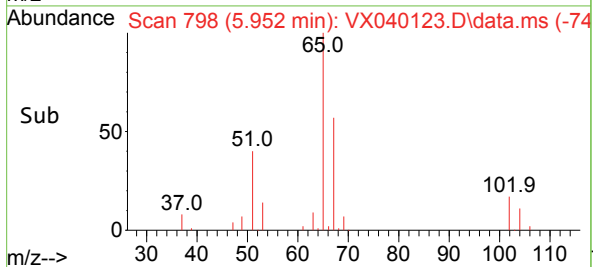
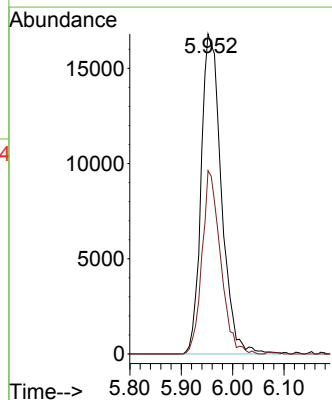
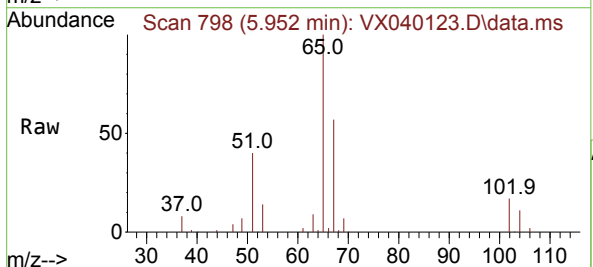
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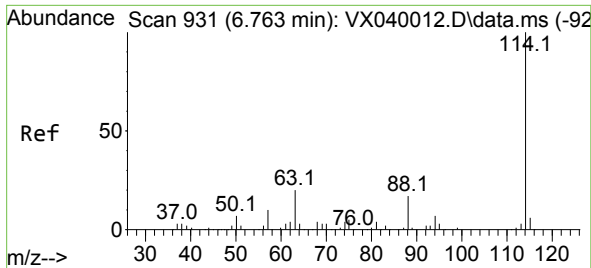
Tgt Ion: 56 Resp: 2360
Ion Ratio Lower Upper
56 100
69 143.7 23.4 35.2#
84 107.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 35.406 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion: 65 Resp: 46012
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.2

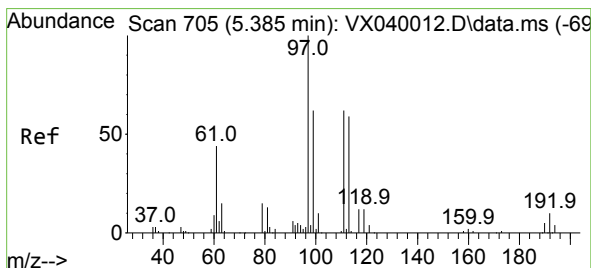
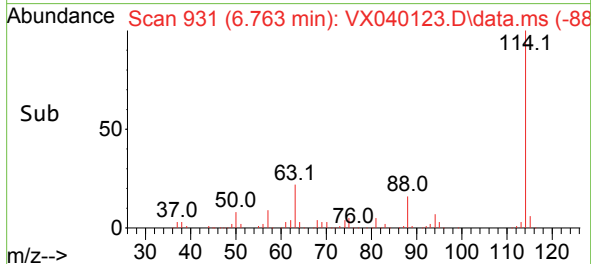
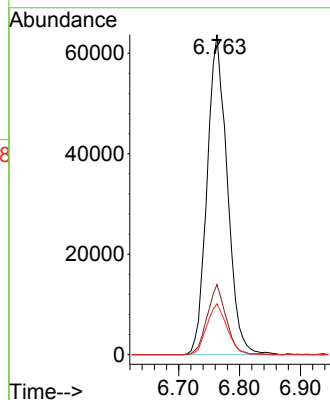
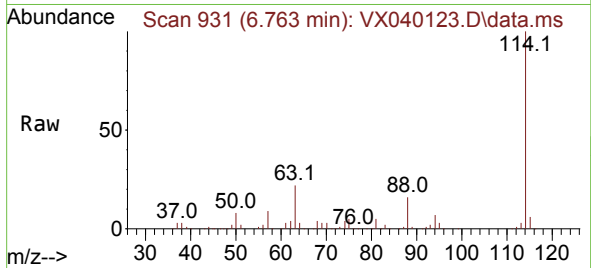




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

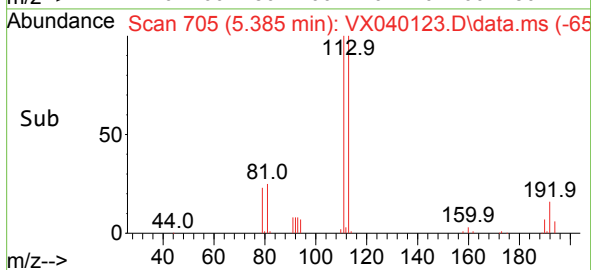
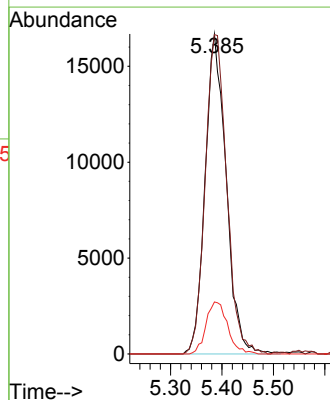
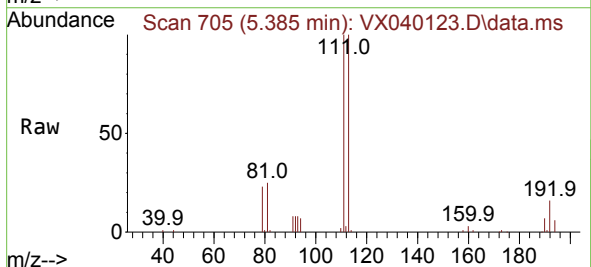
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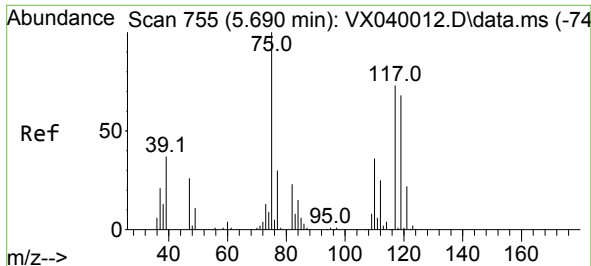
Tgt Ion:114 Resp: 146610
Ion Ratio Lower Upper
114 100
63 21.9 0.0 45.0
88 15.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.462 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion:113 Resp: 47368
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 16.7 13.3 19.9

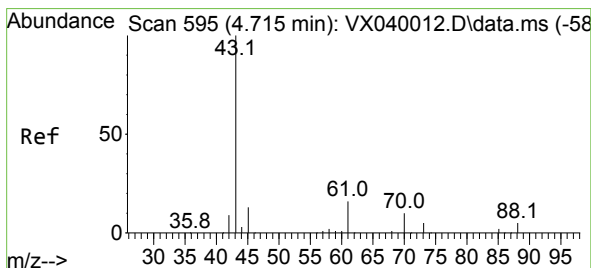
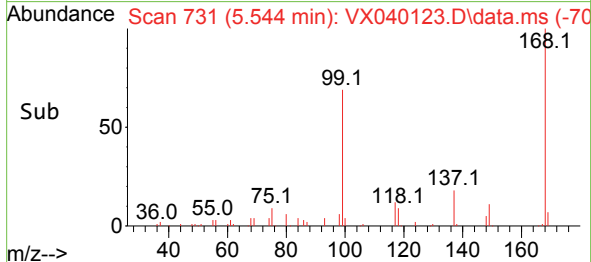
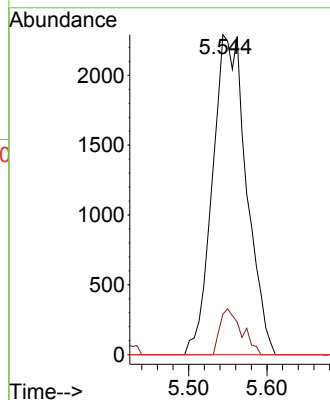
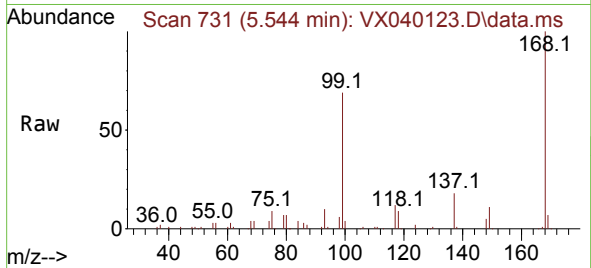




#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

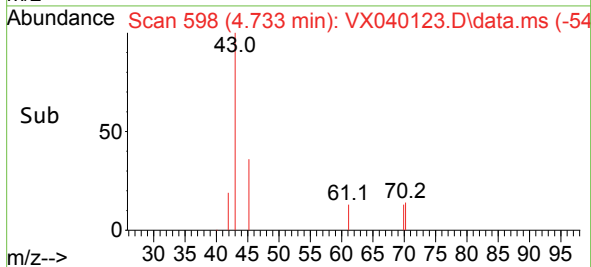
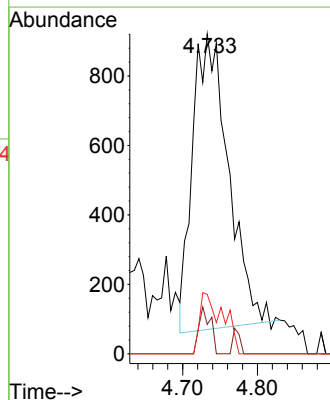
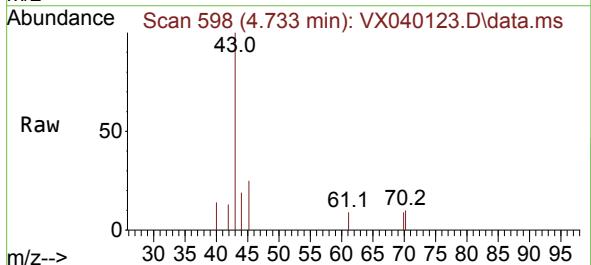
Instrument :
MSVOA_X
ClientSampleId :
TP-3

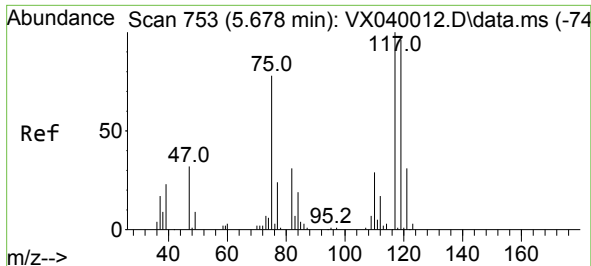
Tgt Ion: 75 Resp: 6905
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.791 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion: 43 Resp: 2824
Ion Ratio Lower Upper
43 100
61 5.1 10.6 16.0#
70 8.3 8.3 12.5#

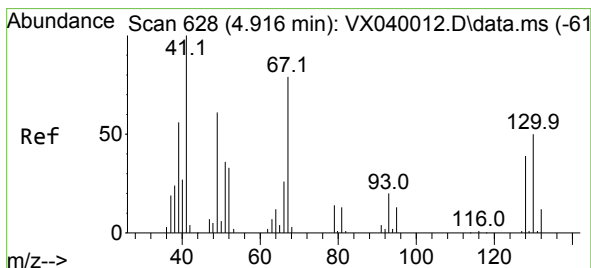
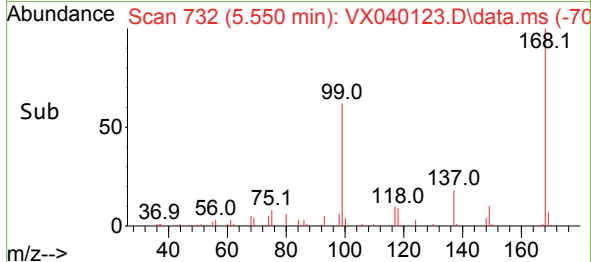
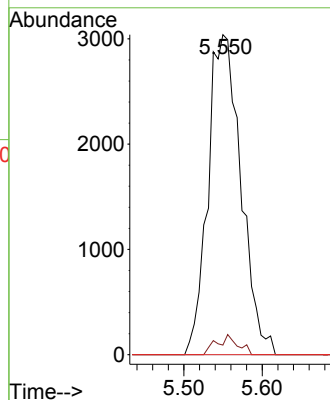
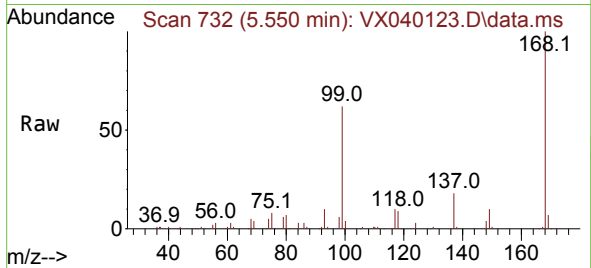




#38
Carbon Tetrachloride
Concen: 6.436 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

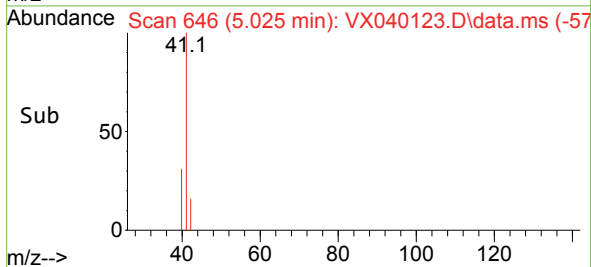
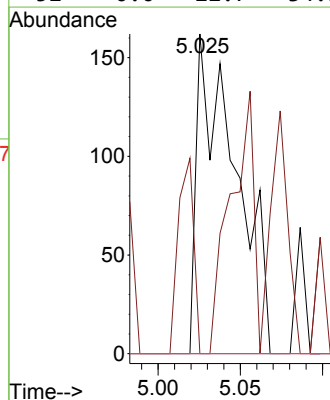
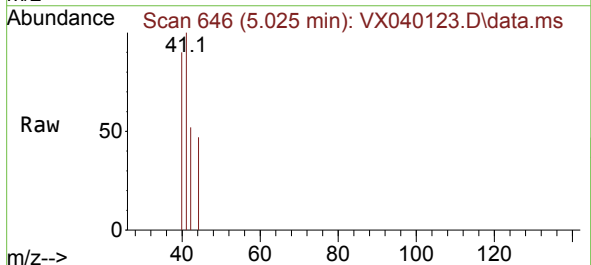
Instrument :
MSVOA_X
ClientSampleId :
TP-3

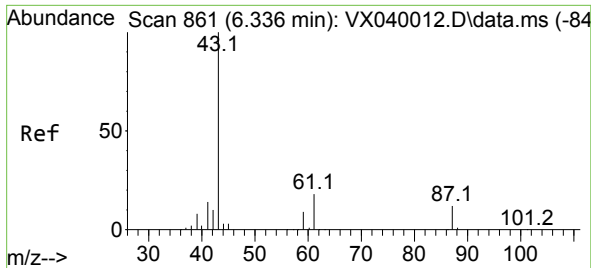
Tgt Ion:117 Resp: 8888
Ion Ratio Lower Upper
117 100
119 3.0 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.334 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion: 41 Resp: 267
Ion Ratio Lower Upper
41 100
39 24.3 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

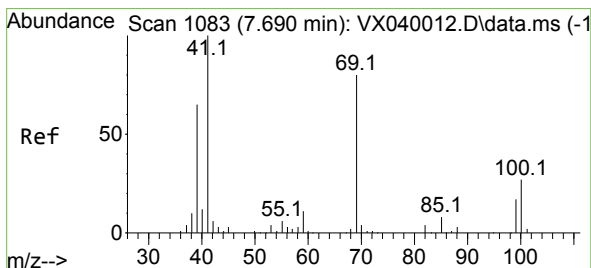
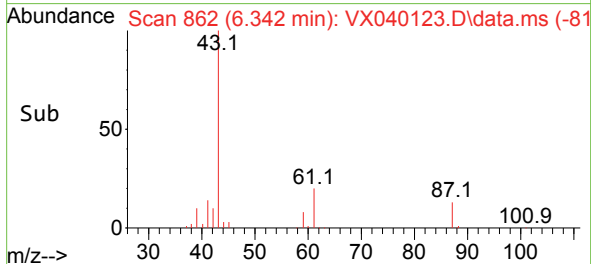
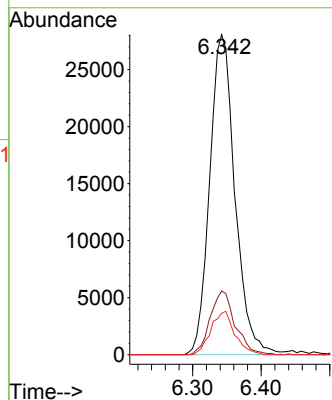
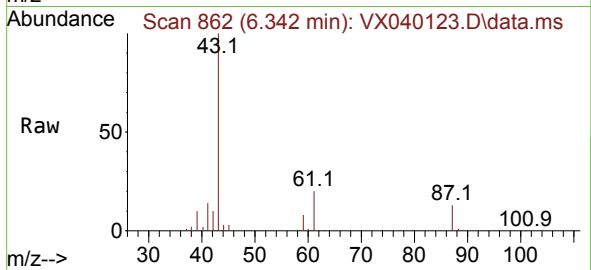




#43
Isopropyl Acetate
Concen: 28.906 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

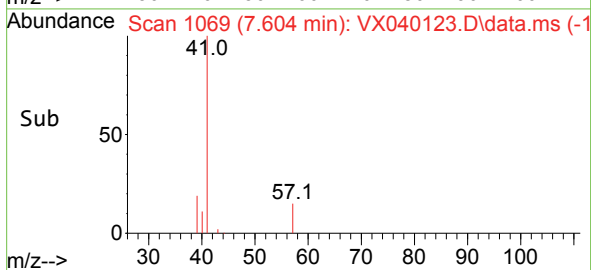
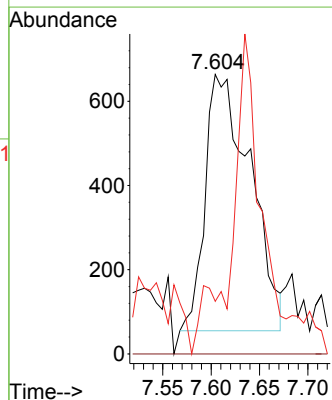
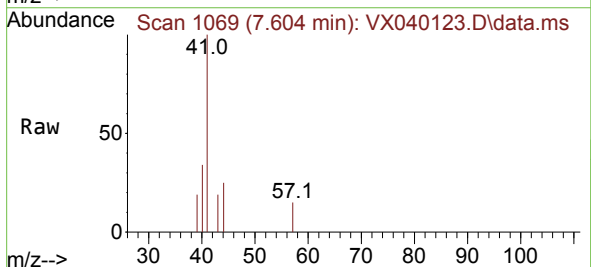
Instrument :
MSVOA_X
ClientSampleId :
TP-3

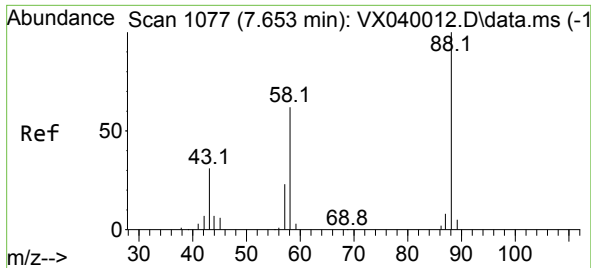
Tgt Ion: 43 Resp: 71855
Ion Ratio Lower Upper
43 100
61 19.7 15.2 22.8
87 12.8 9.8 14.6



#48
Methyl methacrylate
Concen: 1.613 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.085 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion: 41 Resp: 1975
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#





#49

1,4-Dioxane

Concen: 0.752 ug/l

RT: 7.684 min Scan# 1077

Delta R.T. 0.030 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

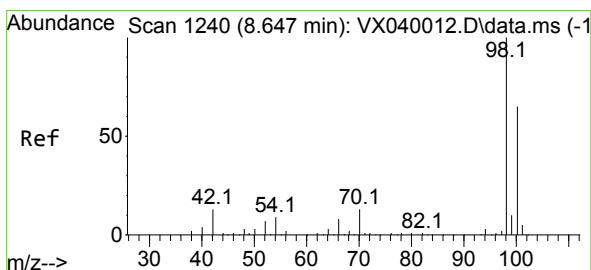
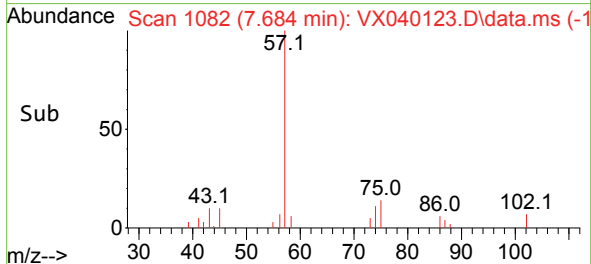
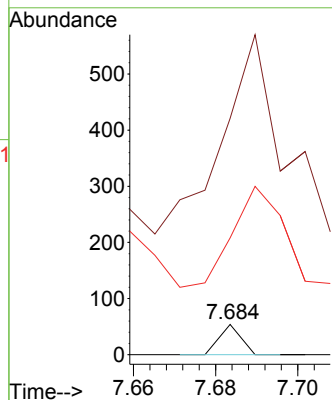
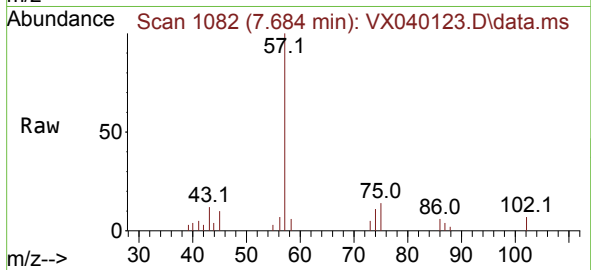
Instrument :

MSVOA_X

ClientSampleId :

TP-3

Tgt Ion: 88	Resp:	20
Ion	Ratio	Lower Upper
88	100	
43	0.0	0.0 0.0
58	2290.0	60.1 90.1#



#50

Toluene-d8

Concen: 49.516 ug/l

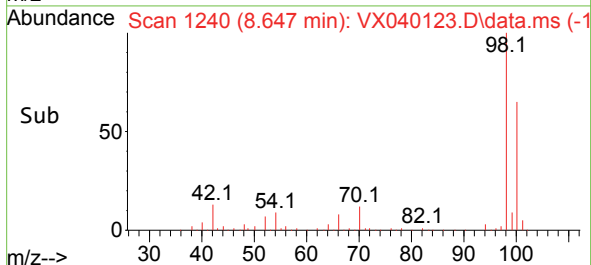
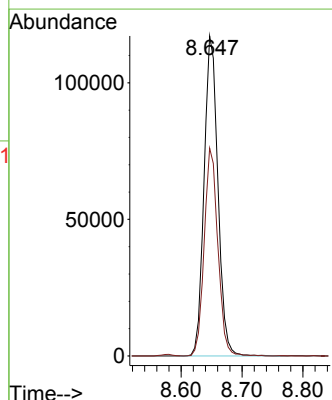
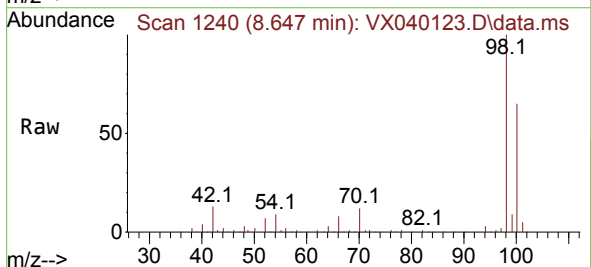
RT: 8.647 min Scan# 1240

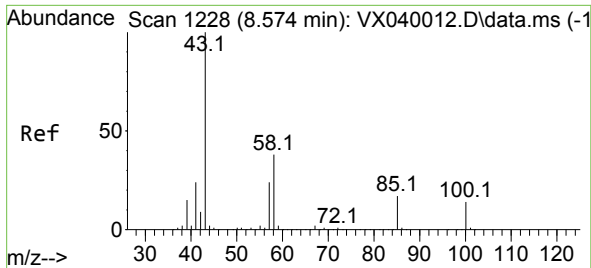
Delta R.T. -0.000 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

Tgt Ion: 98	Resp:	184812
Ion	Ratio	Lower Upper
98	100	
100	64.2	53.1 79.7

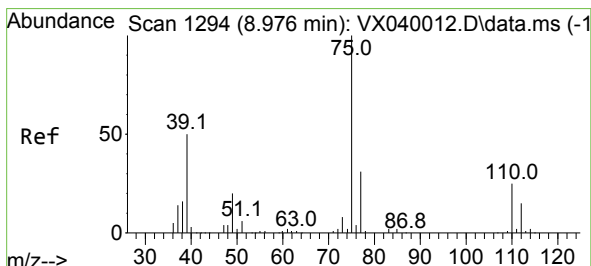
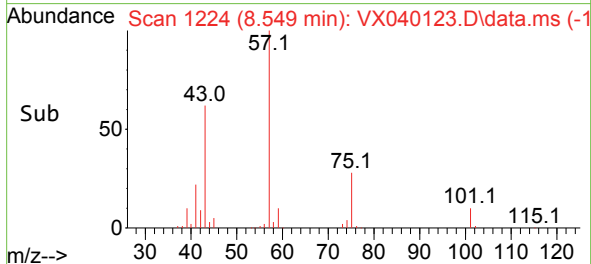
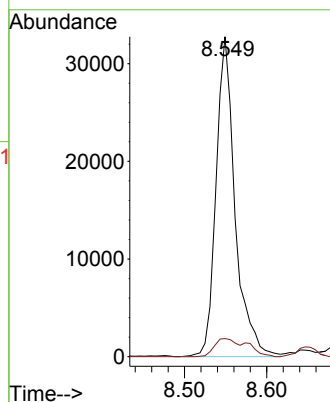
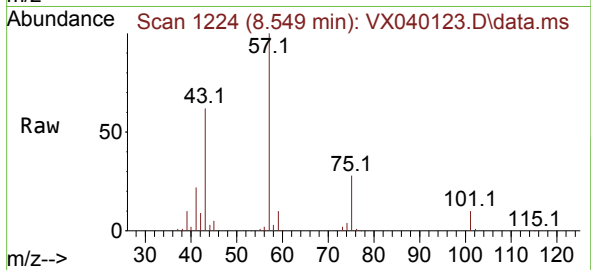




#51
4-Methyl-2-Pentanone
Concen: 31.045 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

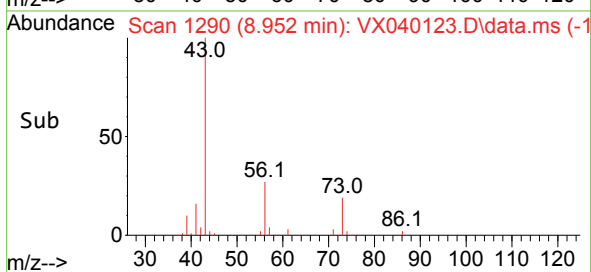
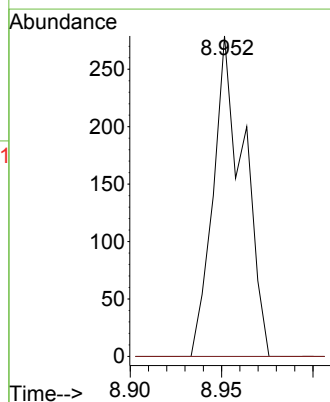
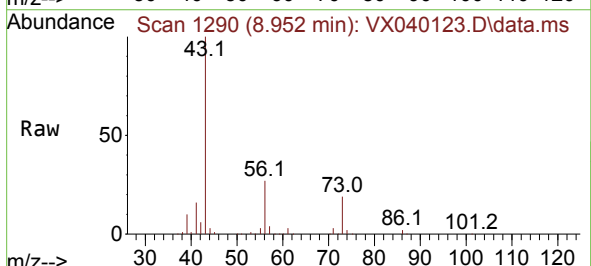
Instrument :
MSVOA_X
ClientSampleId :
TP-3

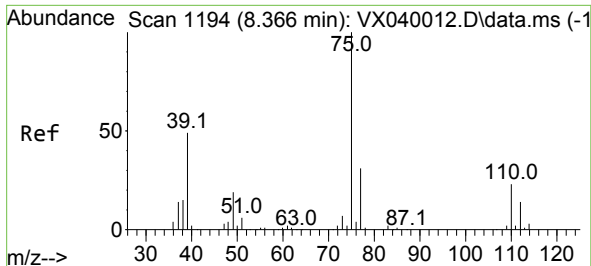
Tgt Ion: 43 Resp: 52681
Ion Ratio Lower Upper
43 100
58 9.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.212 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion: 75 Resp: 327
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

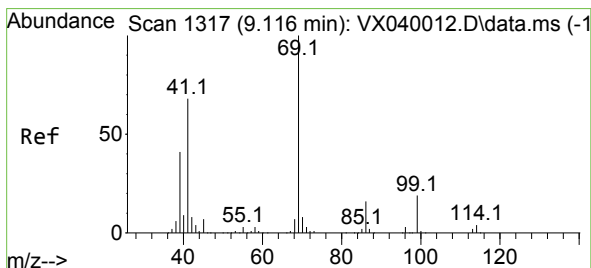
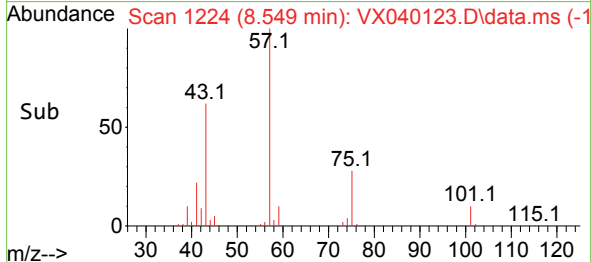
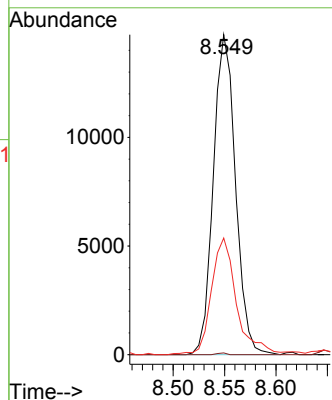
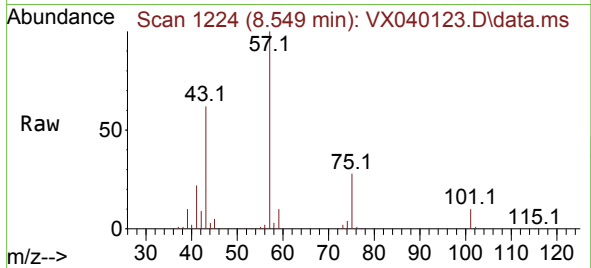




#54
 cis-1,3-Dichloropropene
 Concen: 13.423 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX040123.D
 Acq: 05 Feb 2024 17:58

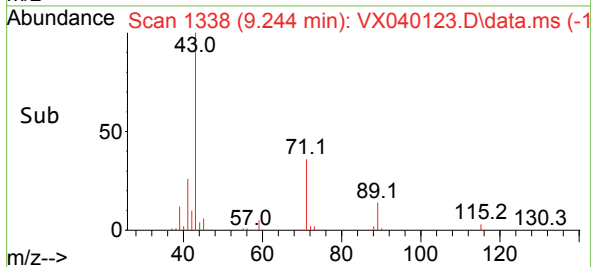
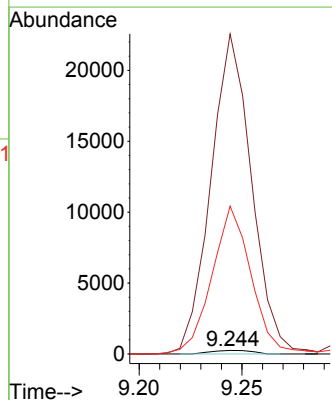
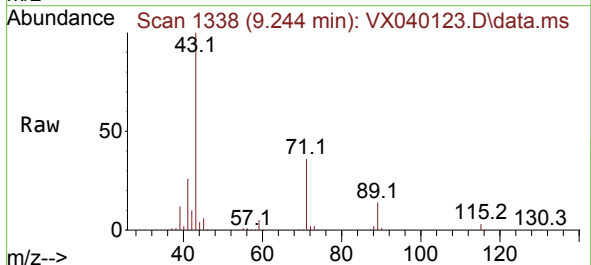
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

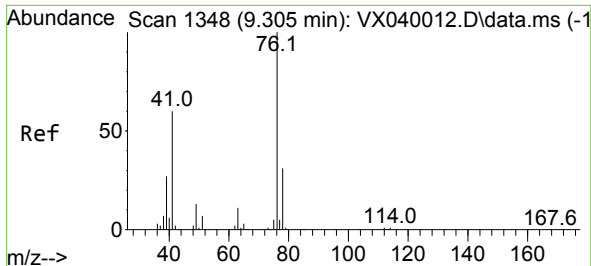
Tgt Ion: 75 Resp: 22043
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 36.0 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.216 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX040123.D
 Acq: 05 Feb 2024 17:58

Tgt Ion: 69 Resp: 342
 Ion Ratio Lower Upper
 69 100
 41 9124.9 56.8 85.2#
 39 4062.9 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.516 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

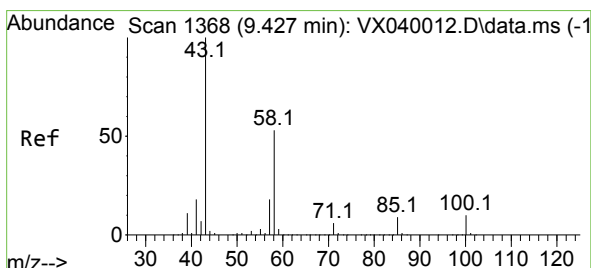
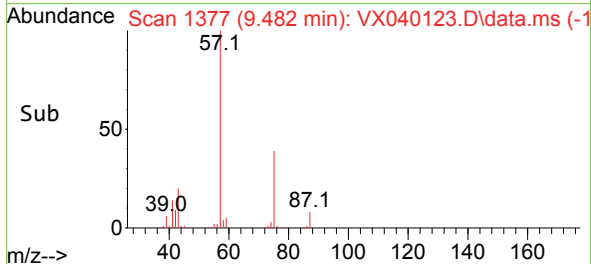
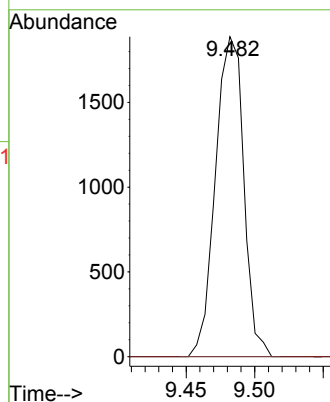
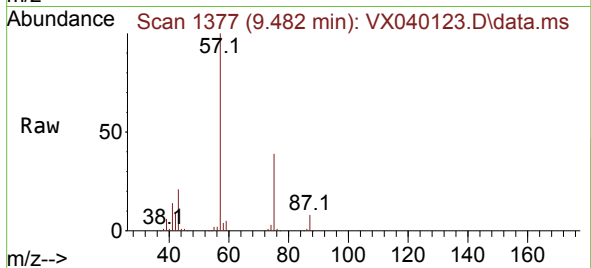
TP-3

Tgt Ion: 76 Resp: 2709

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.077 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX040123.D

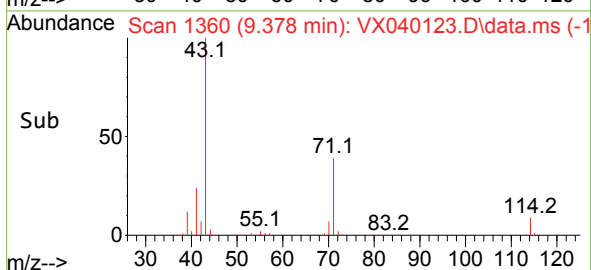
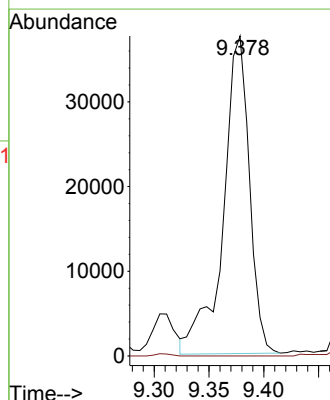
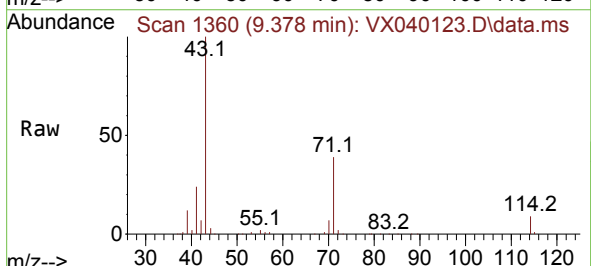
Acq: 05 Feb 2024 17:58

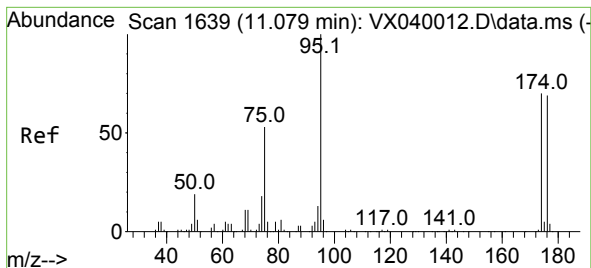
Tgt Ion: 43 Resp: 62341

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

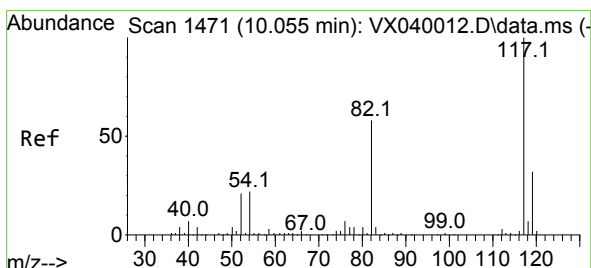
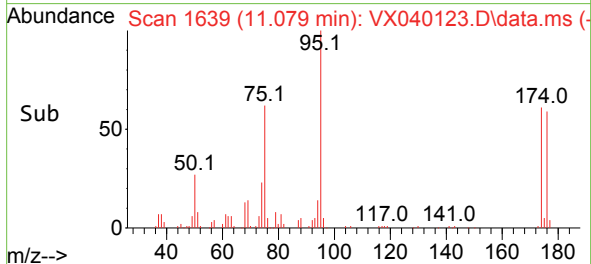
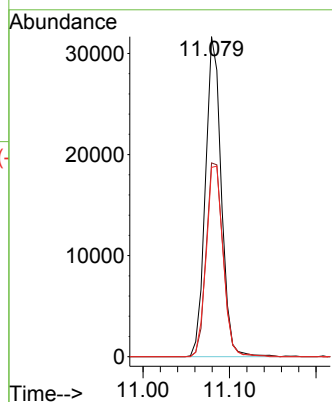
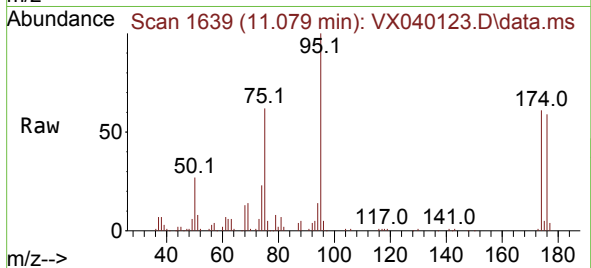




#62
4-Bromofluorobenzene
Concen: 28.052 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

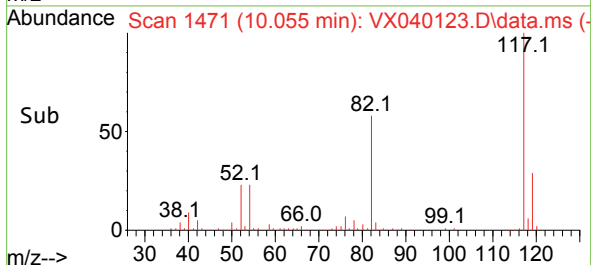
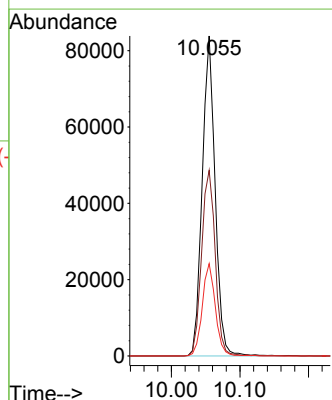
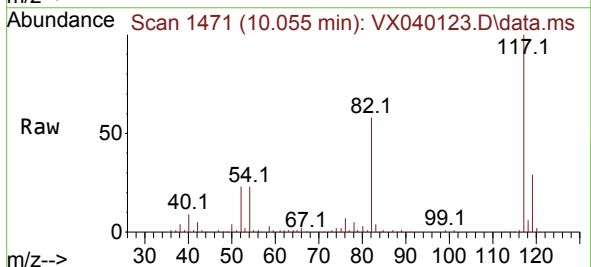
Instrument :
MSVOA_X
ClientSampleId :
TP-3

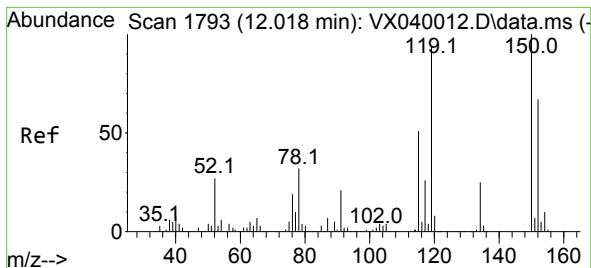
Tgt Ion: 95 Resp: 40315
Ion Ratio Lower Upper
95 100
174 64.6 0.0 135.6
176 63.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040123.D
Acq: 05 Feb 2024 17:58

Tgt Ion: 117 Resp: 110108
Ion Ratio Lower Upper
117 100
82 58.0 46.2 69.4
119 28.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

TP-3

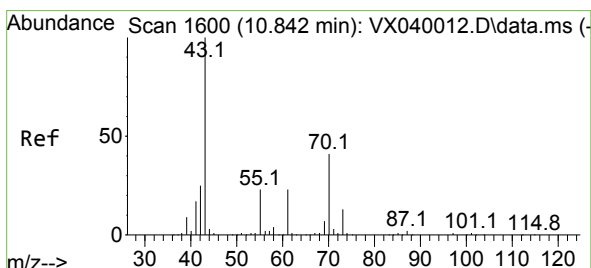
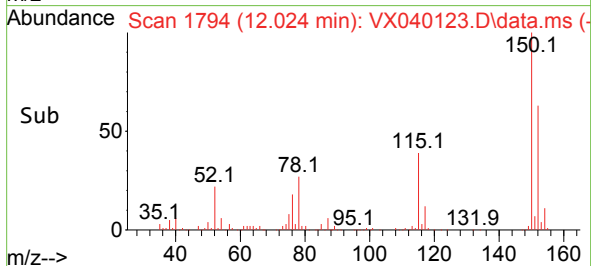
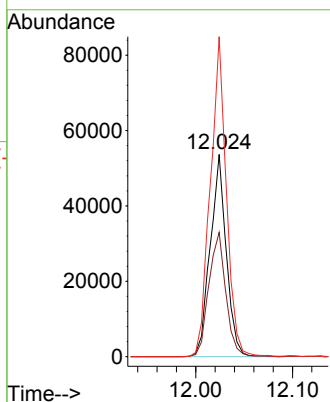
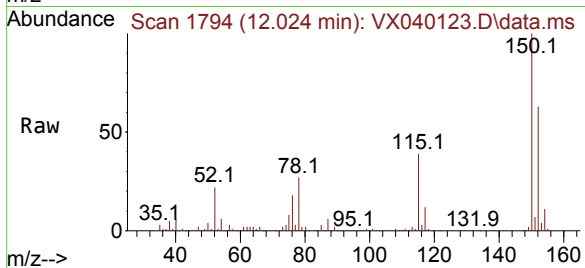
Tgt Ion:152 Resp: 62294

Ion Ratio Lower Upper

152 100

115 64.9 43.3 129.9

150 157.5 0.0 345.0



#74

N-ethyl acetate

Concen: 0.418 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.025 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

Tgt Ion: 43 Resp: 445

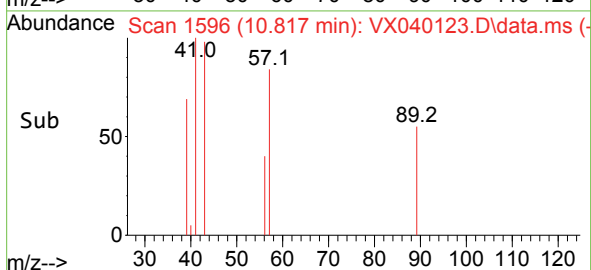
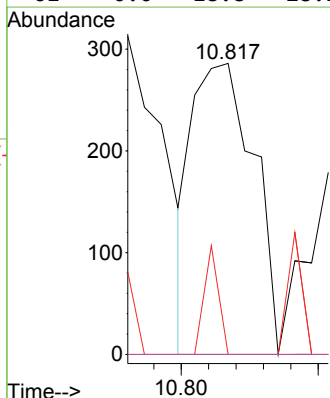
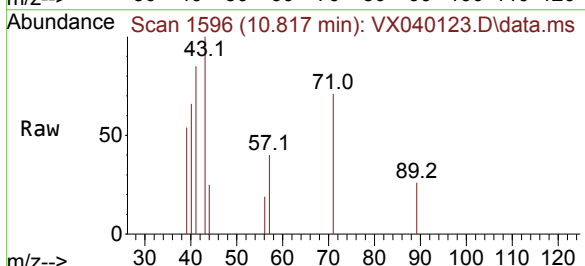
Ion Ratio Lower Upper

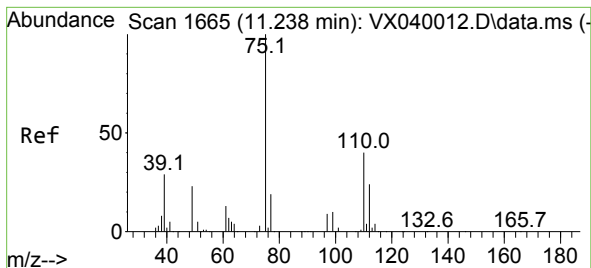
43 100

70 0.0 32.9 49.3#

55 8.8 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 18.397 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

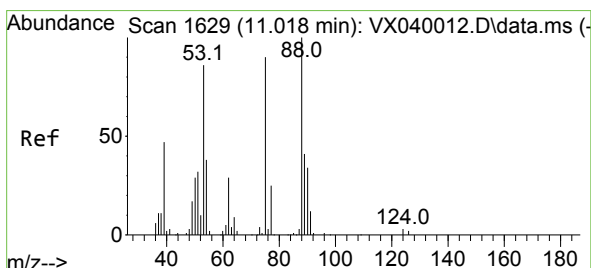
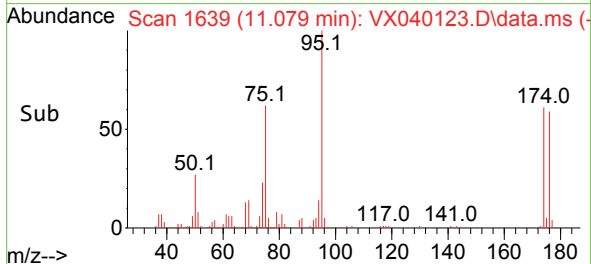
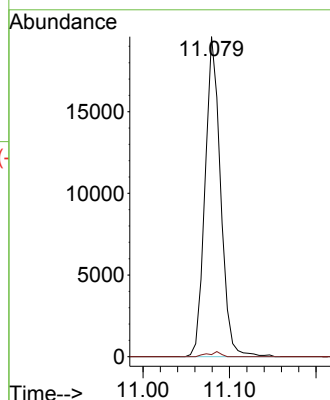
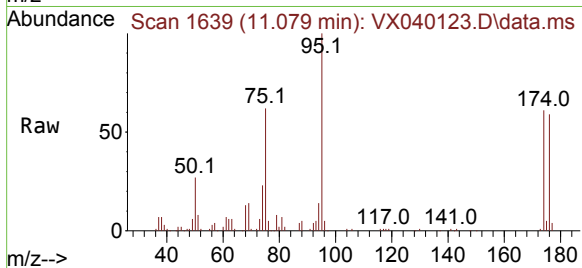
TP-3

Tgt Ion: 75 Resp: 24405

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.924 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040123.D

Acq: 05 Feb 2024 17:58

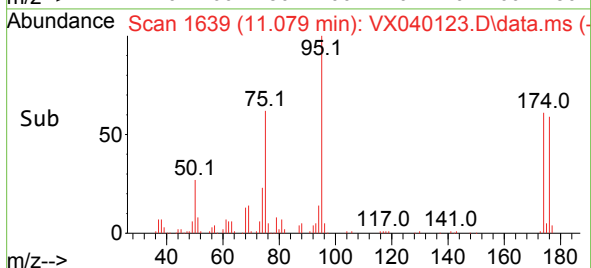
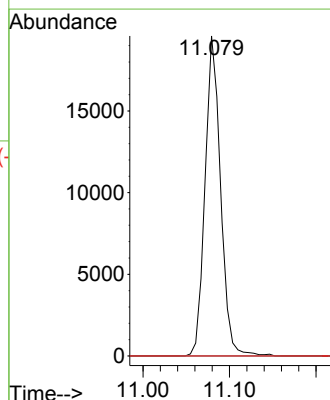
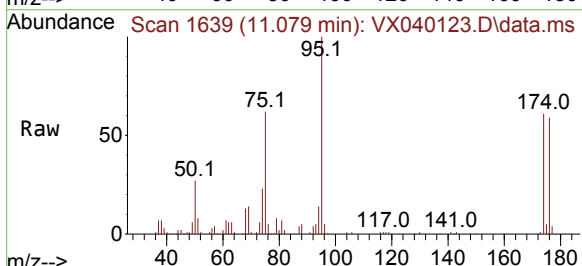
Tgt Ion: 75 Resp: 24405

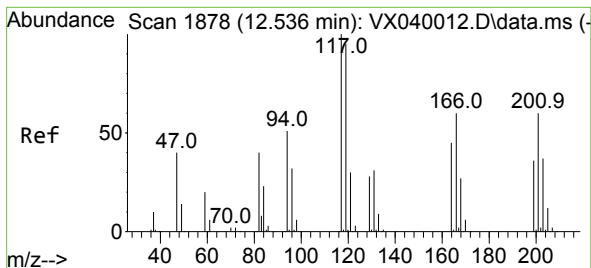
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#90

Hexachloroethane

Concen: Below Cal

RT: 12.695 min Scan# 1904

Delta R.T. 0.159 min

Lab File: VX040123.D

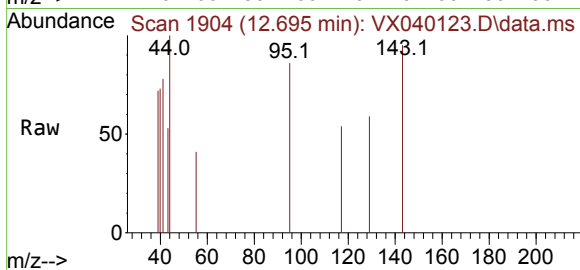
Acq: 05 Feb 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

TP-3



Tgt Ion:117 Resp: 43

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#

