

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040125.D
 Acq On : 05 Feb 2024 18:44
 Operator : JC/MD
 Sample : P1337-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5

Quant Time: Feb 06 03:05:28 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)

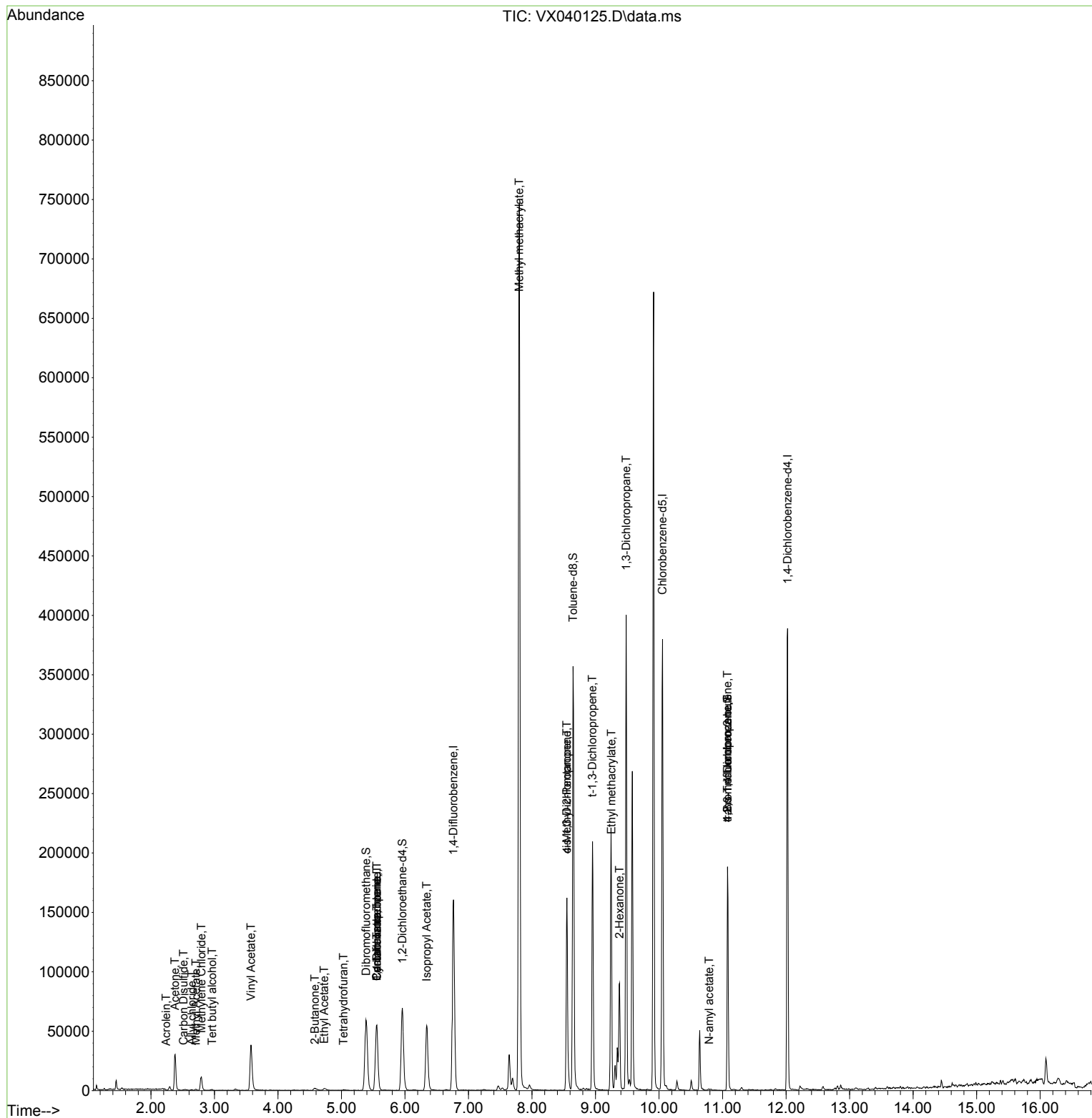
Internal Standards						
1) Pentafluorobenzene	5.556	168	45547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	164966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65610	89.506	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 179.020%#			
35) Dibromofluoromethane	5.385	113	52724	48.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.740%			
50) Toluene-d8	8.647	98	208115	51.585	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.160%			
62) 4-Bromofluorobenzene	11.079	95	45123	29.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 58.100%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	639	4.804	ug/l #	78
13) Acrolein	2.239	56	62	0.487	ug/l	97
14) Allyl chloride	2.642	41	414	0.448	ug/l #	61
16) Acetone	2.380	43	33975	98.921	ug/l	94
17) Carbon Disulfide	2.514	76	302	0.202	ug/l #	76
18) Methyl Acetate	2.709	43	1192	1.465	ug/l #	76
20) Methylene Chloride	2.794	84	5451	8.931	ug/l	96
23) Vinyl Acetate	3.575	43	673	0.420	ug/l #	73
25) 2-Butanone	4.581	43	3800	7.959	ug/l #	88
29) Tetrahydrofuran	5.032	42	306	1.008	ug/l #	57
31) Cyclohexane	5.556	56	1581	1.722	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	5448	3.492	ug/l #	46
37) Ethyl Acetate	4.727	43	3620	2.125	ug/l #	89
38) Carbon Tetrachloride	5.556	117	4898	3.281	ug/l #	15
43) Isopropyl Acetate	6.342	43	75889	28.243	ug/l	99
48) Methyl methacrylate	7.799	41	65190	49.250	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	57629	31.418	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	345	0.207	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24872	14.012	ug/l #	61
56) Ethyl methacrylate	9.250	69	506	0.296	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3251	1.683	ug/l #	42
59) 2-Hexanone	9.378	43	70038	47.890	ug/l #	26
74) N-amyl acetate	10.787	43	1188	0.659	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	27826	16.493	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	27826	51.769	ug/l #	5

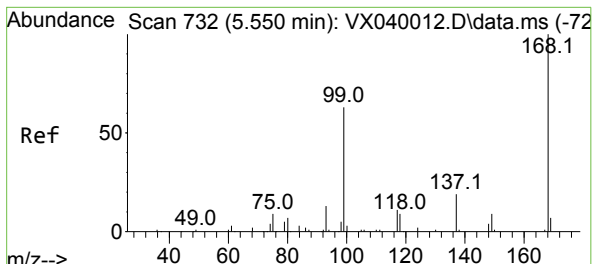
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX040125.D

Acq: 05 Feb 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

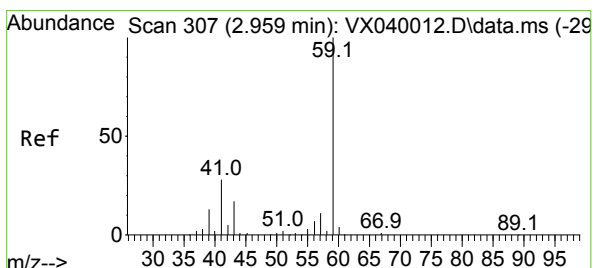
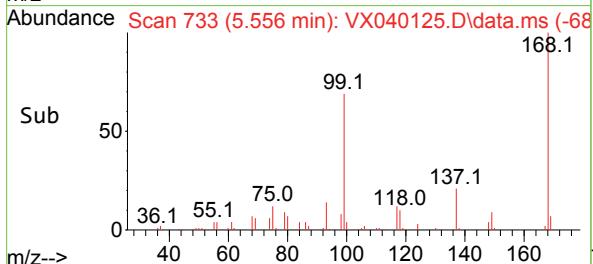
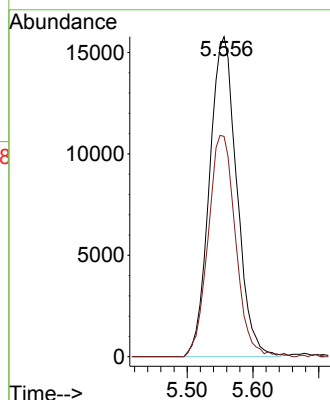
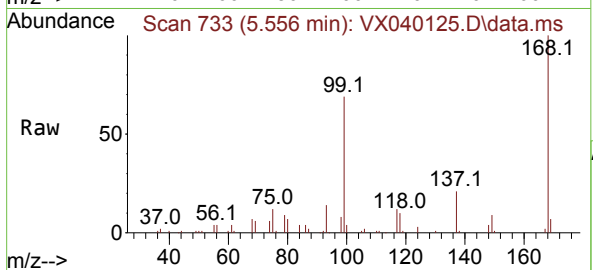
TP-5

Tgt Ion:168 Resp: 45547

Ion Ratio Lower Upper

168 100

99 68.8 56.6 85.0



#11

Tert butyl alcohol

Concen: 4.804 ug/l

RT: 2.965 min Scan# 308

Delta R.T. 0.006 min

Lab File: VX040125.D

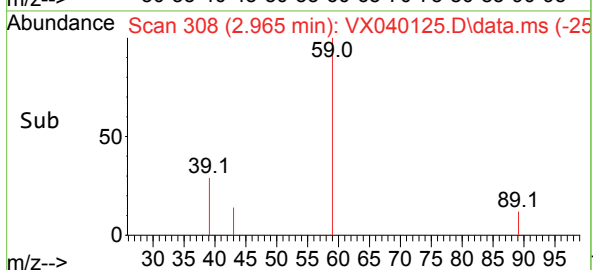
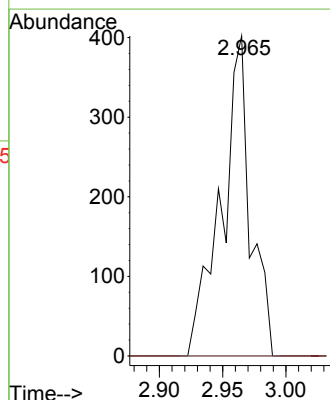
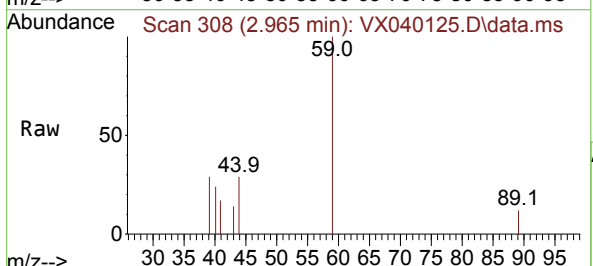
Acq: 05 Feb 2024 18:44

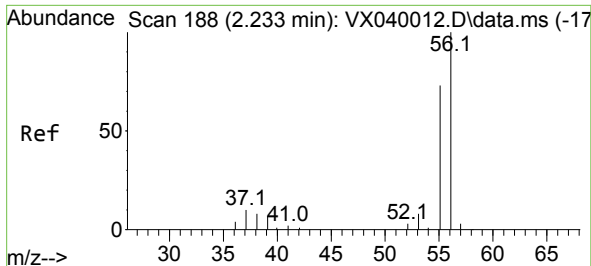
Tgt Ion: 59 Resp: 639

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.487 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040125.D

Acq: 05 Feb 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

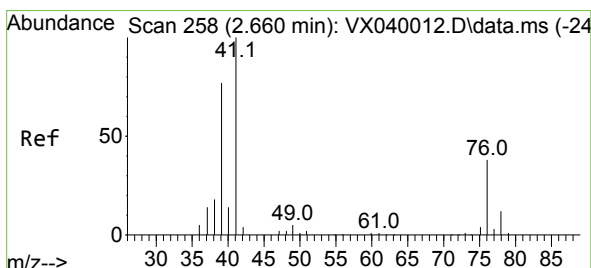
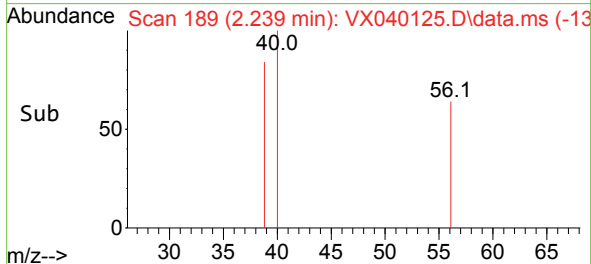
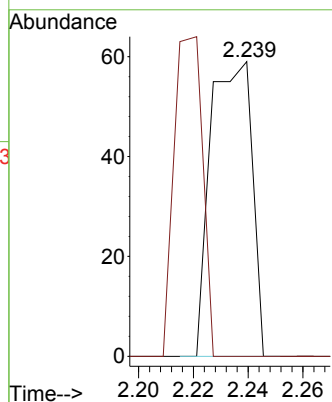
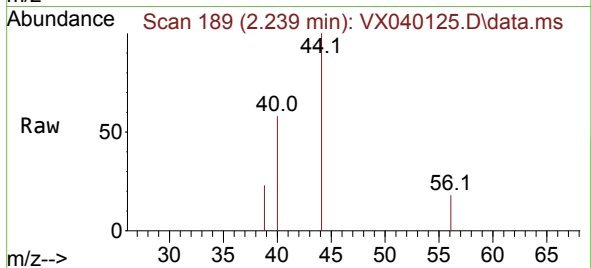
TP-5

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 74.2 57.1 85.7



#14

Allyl chloride

Concen: 0.448 ug/l

RT: 2.642 min Scan# 255

Delta R.T. -0.018 min

Lab File: VX040125.D

Acq: 05 Feb 2024 18:44

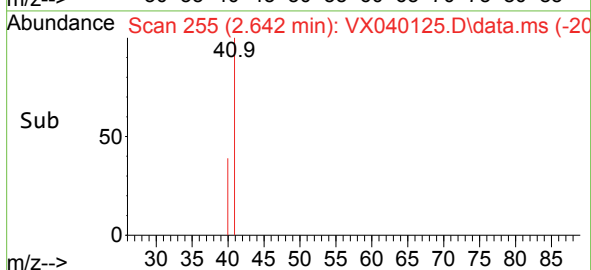
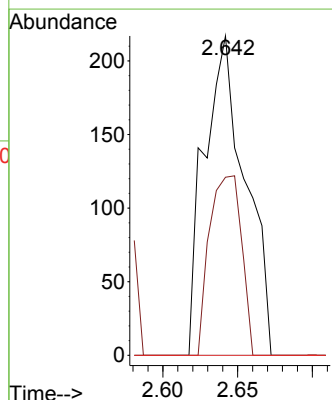
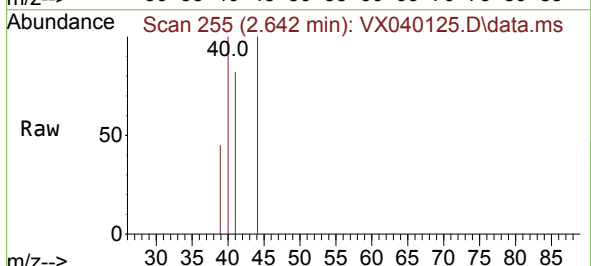
Tgt Ion: 41 Resp: 414

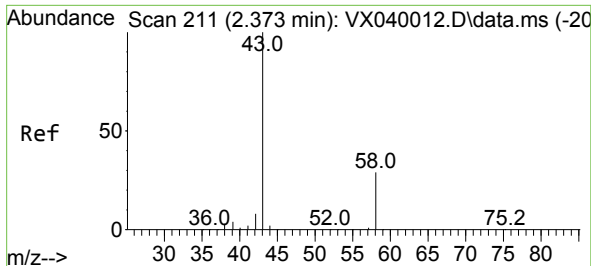
Ion Ratio Lower Upper

41 100

39 44.0 55.8 83.6#

76 0.0 24.3 36.5#

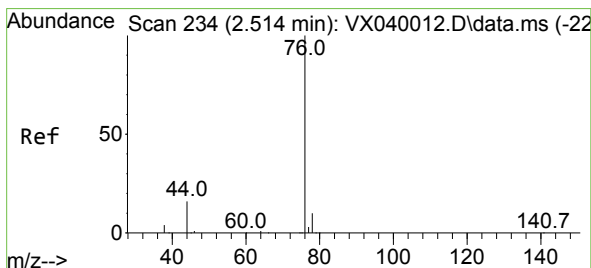
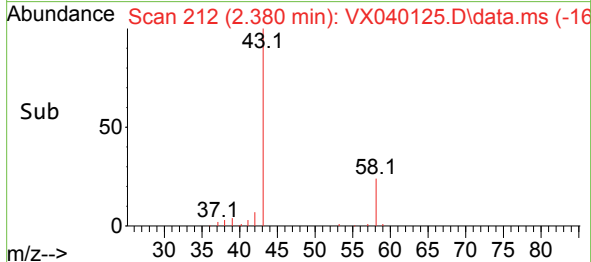
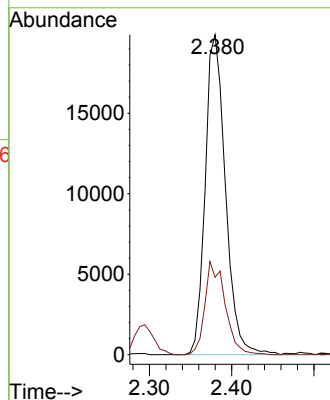
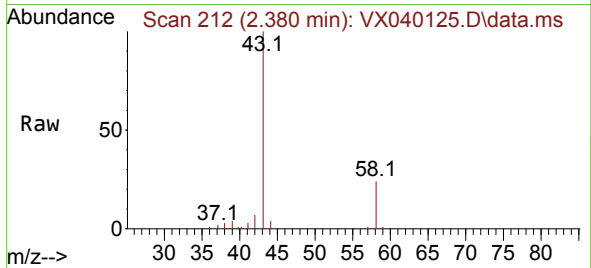




#16
Acetone
Concen: 98.921 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

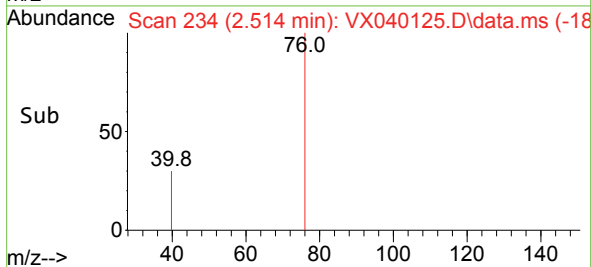
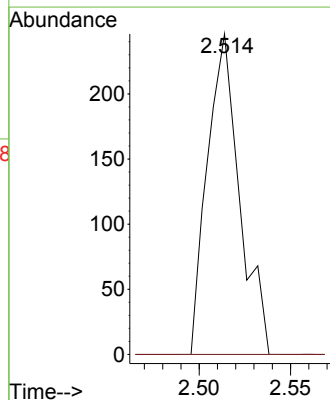
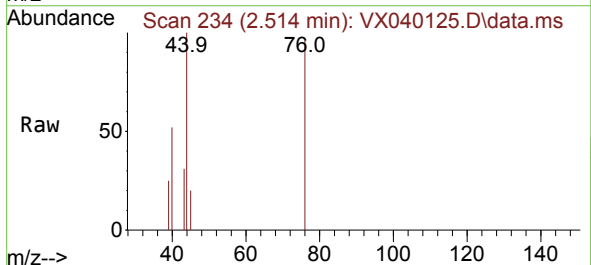
Instrument :
MSVOA_X
ClientSampleId :
TP-5

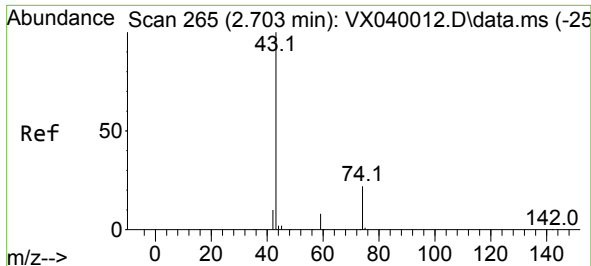
Tgt Ion: 43 Resp: 33975
Ion Ratio Lower Upper
43 100
58 24.2 21.9 32.9



#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

Tgt Ion: 76 Resp: 302
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

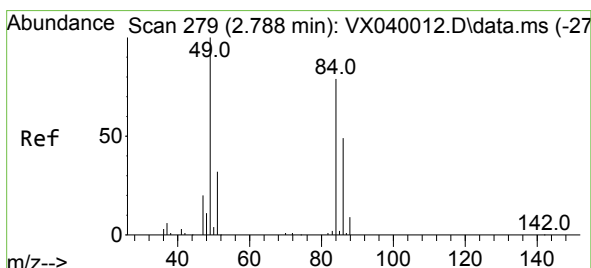
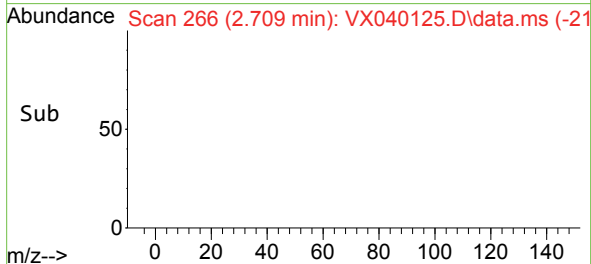
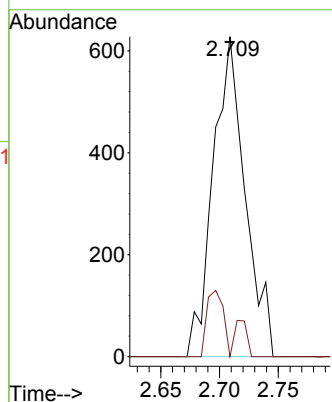
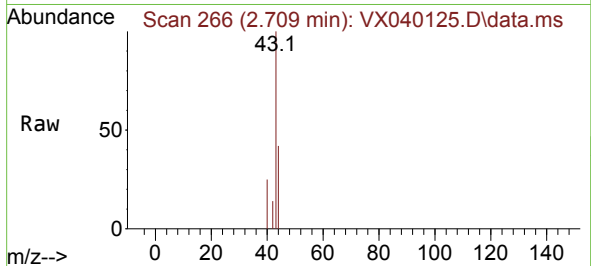




#18
Methyl Acetate
Concen: 1.465 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

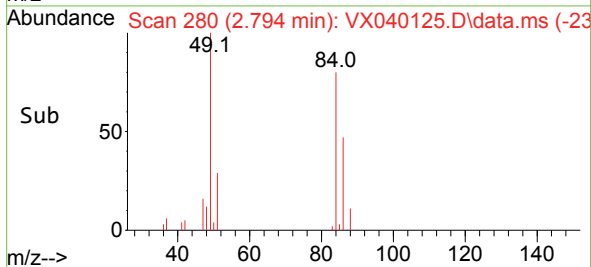
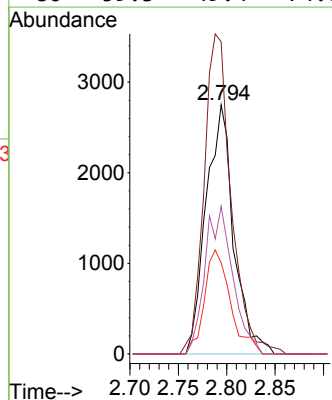
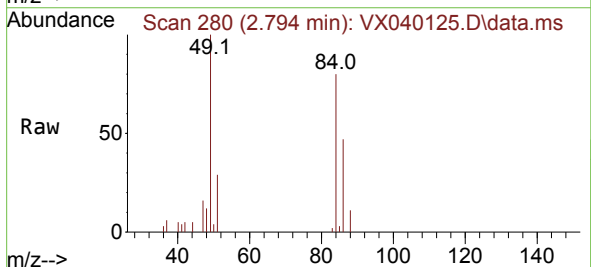
Instrument :
MSVOA_X
ClientSampleId :
TP-5

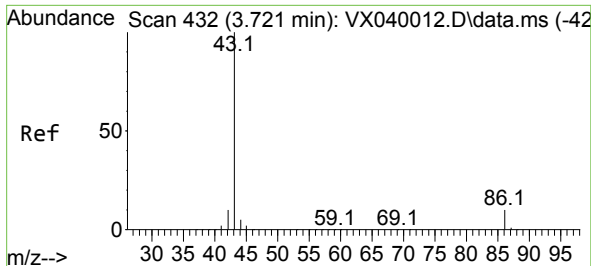
Tgt Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
74 10.7 17.8 26.8#



#20
Methylene Chloride
Concen: 8.931 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

Tgt Ion: 84 Resp: 5451
Ion Ratio Lower Upper
84 100
49 125.3 103.6 155.4
51 36.5 33.8 50.6
86 59.3 49.4 74.0

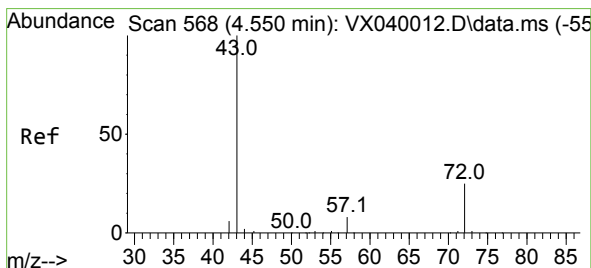
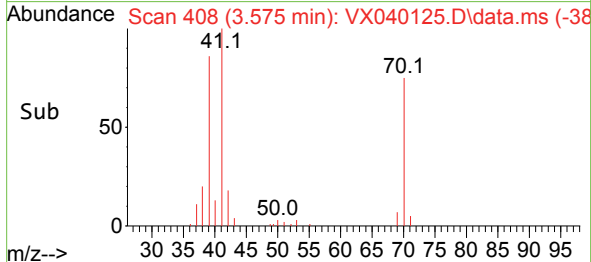
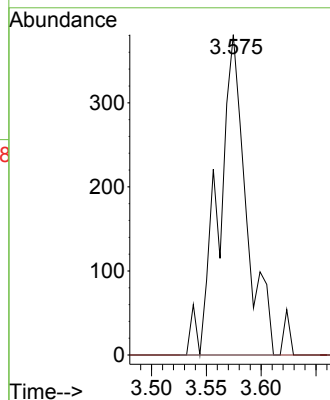
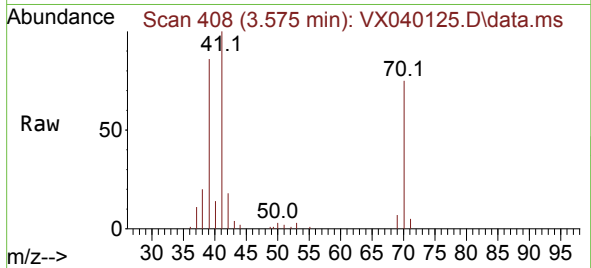




#23
 Vinyl Acetate
 Concen: 0.420 ug/l
 RT: 3.575 min Scan# 40
 Delta R.T. -0.146 min
 Lab File: VX040125.D
 Acq: 05 Feb 2024 18:44

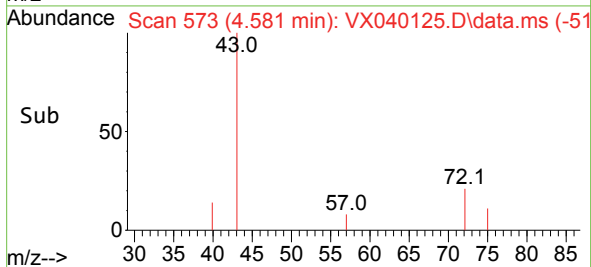
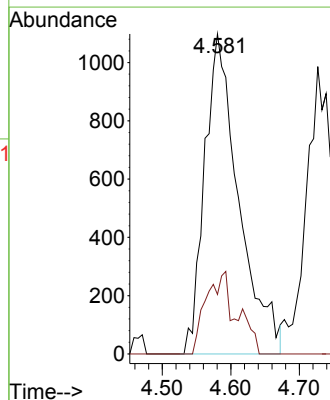
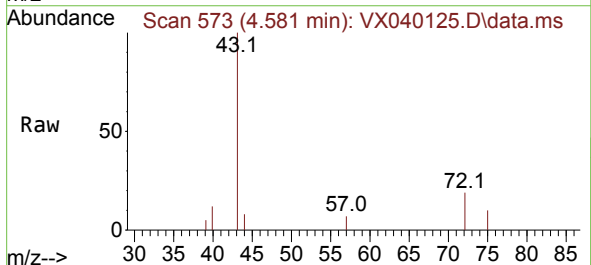
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5

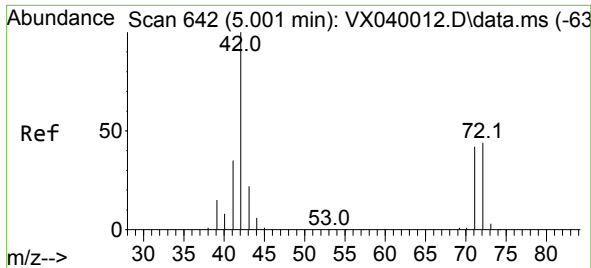
Tgt Ion: 43 Resp: 673
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 7.959 ug/l
 RT: 4.581 min Scan# 573
 Delta R.T. 0.031 min
 Lab File: VX040125.D
 Acq: 05 Feb 2024 18:44

Tgt Ion: 43 Resp: 3800
 Ion Ratio Lower Upper
 43 100
 72 18.6 19.4 29.2#





#29

Tetrahydrofuran

Concen: 1.008 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.031 min

Lab File: VX040125.D

Acq: 05 Feb 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

TP-5

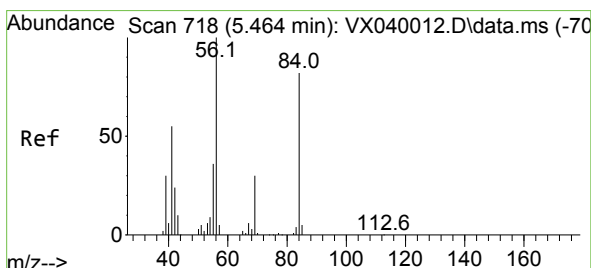
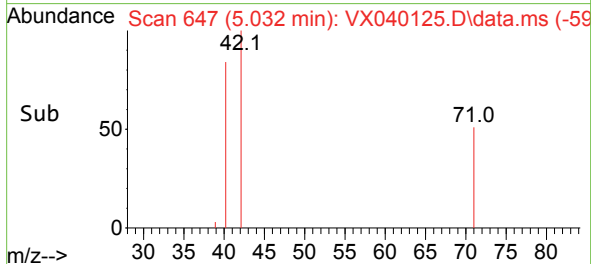
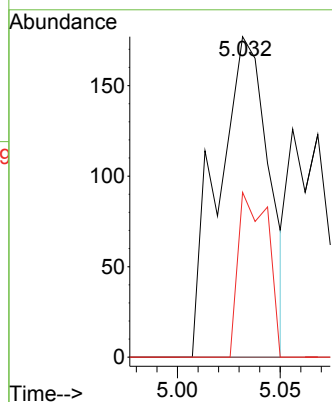
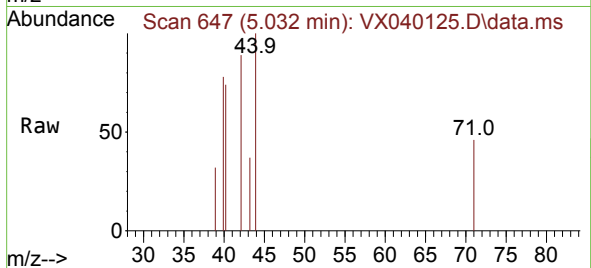
Tgt Ion: 42 Resp: 306

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 29.7 32.2 48.2#



#31

Cyclohexane

Concen: 1.722 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX040125.D

Acq: 05 Feb 2024 18:44

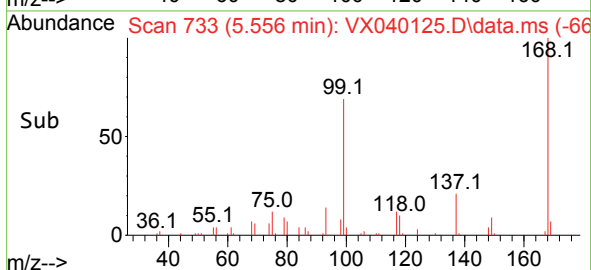
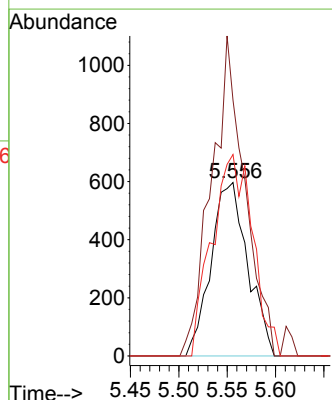
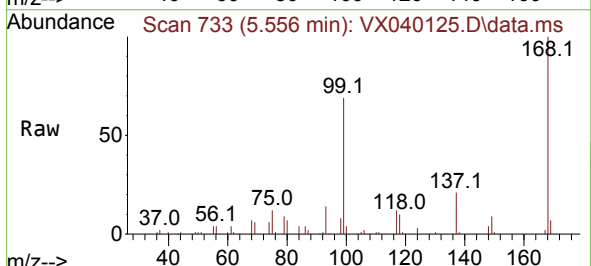
Tgt Ion: 56 Resp: 1581

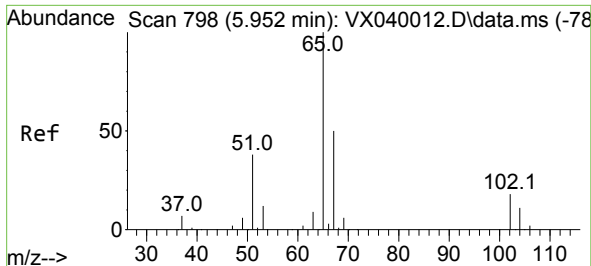
Ion Ratio Lower Upper

56 100

69 147.4 23.4 35.2#

84 116.1 65.9 98.9#

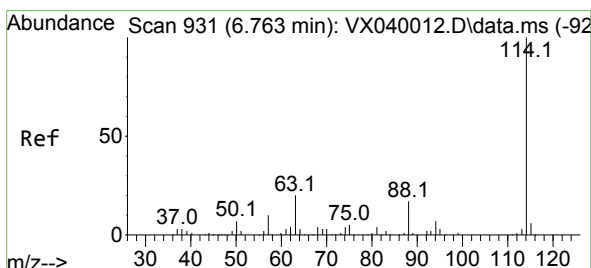
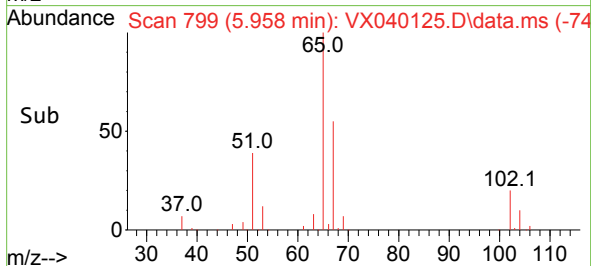
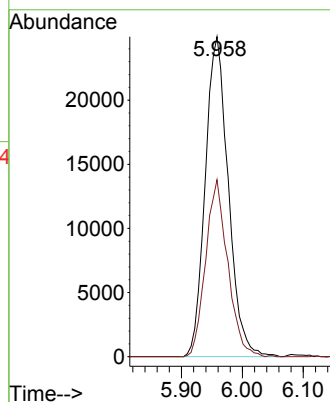
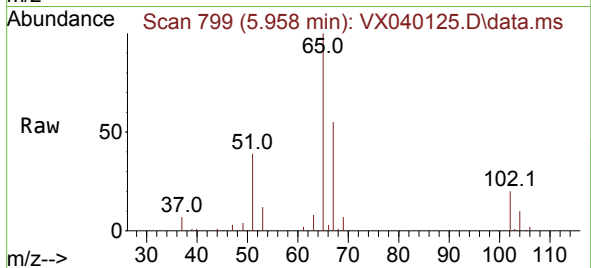




#33
 1,2-Dichloroethane-d4
 Concen: 89.506 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX040125.D
 Acq: 05 Feb 2024 18:44

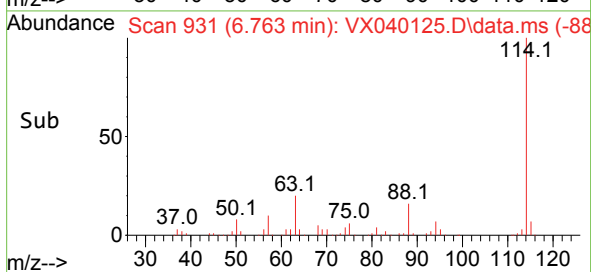
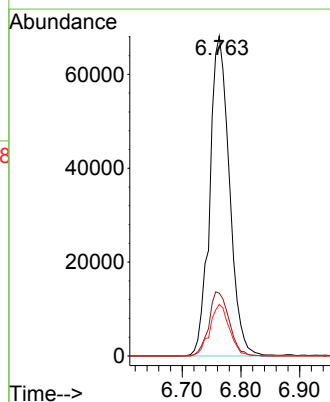
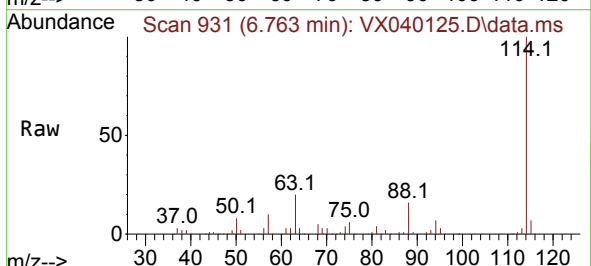
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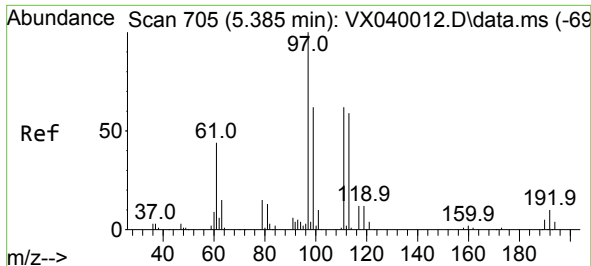
Tgt Ion: 65 Resp: 65610
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX040125.D
 Acq: 05 Feb 2024 18:44

Tgt Ion: 114 Resp: 158476
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 45.0
 88 16.1 0.0 36.6

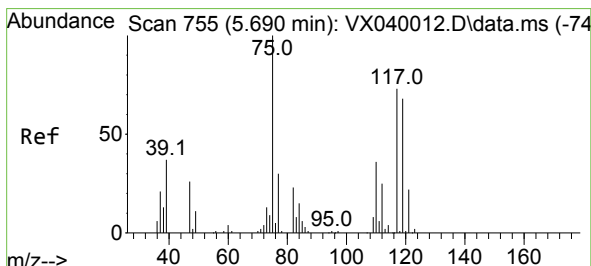
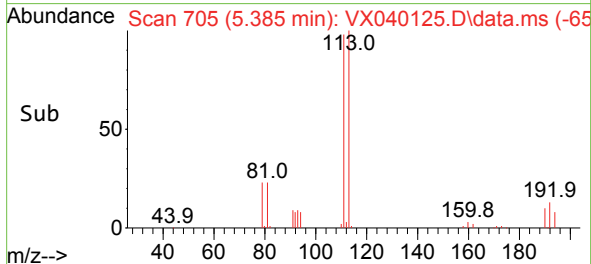
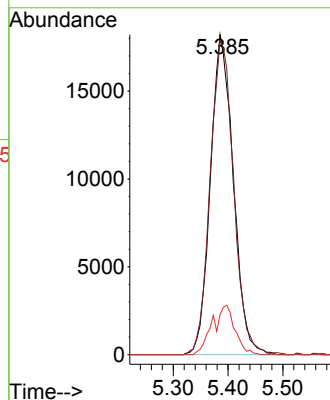
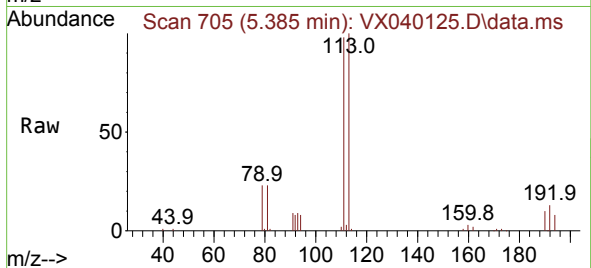




#35
Dibromofluoromethane
Concen: 48.873 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

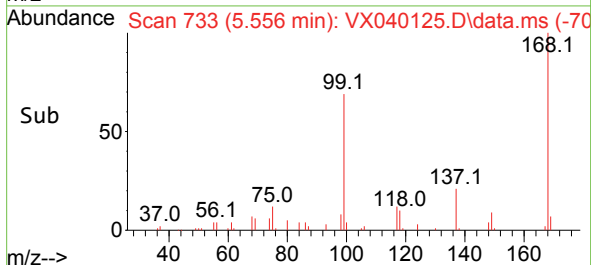
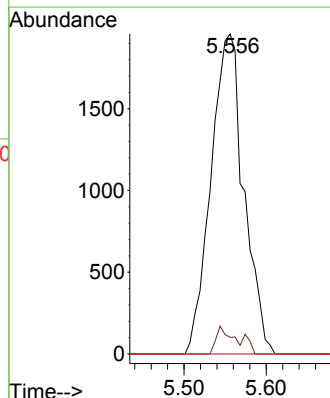
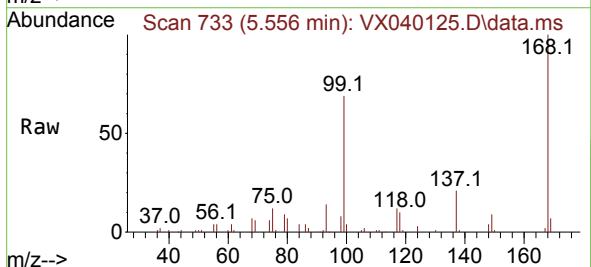
Instrument :
MSVOA_X
ClientSampleId :
TP-5

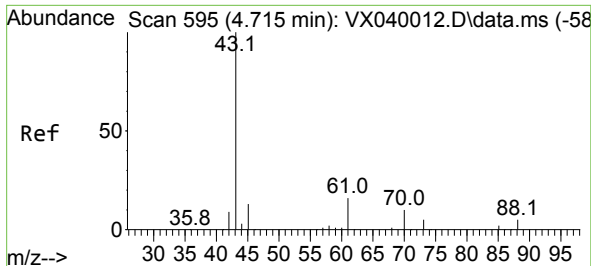
Tgt Ion:113 Resp: 52724
Ion Ratio Lower Upper
113 100
111 100.6 82.9 124.3
192 15.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 3.492 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

Tgt Ion: 75 Resp: 5448
Ion Ratio Lower Upper
75 100
110 4.2 17.0 50.9#
77 0.0 24.7 37.1#

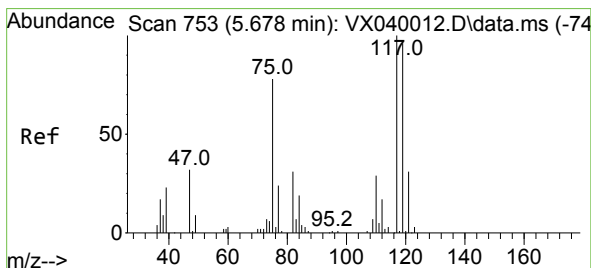
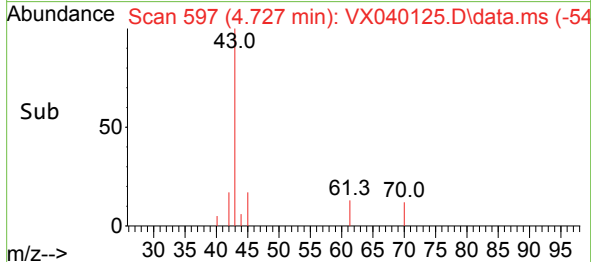
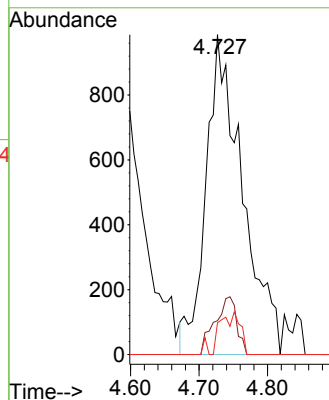
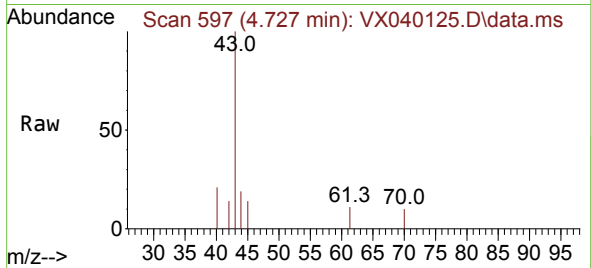




#37
Ethyl Acetate
Concen: 2.125 ug/l
RT: 4.727 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

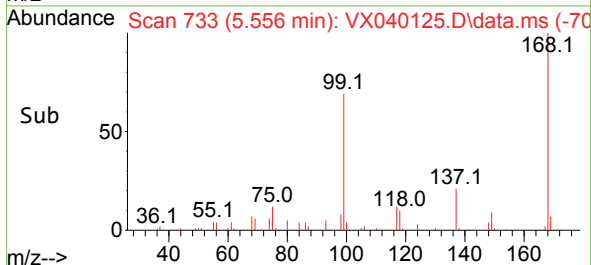
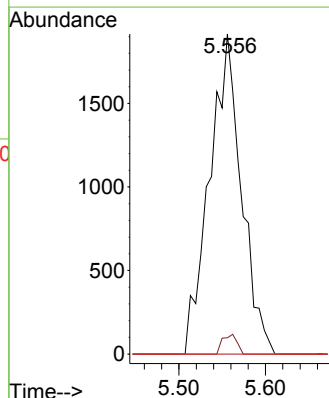
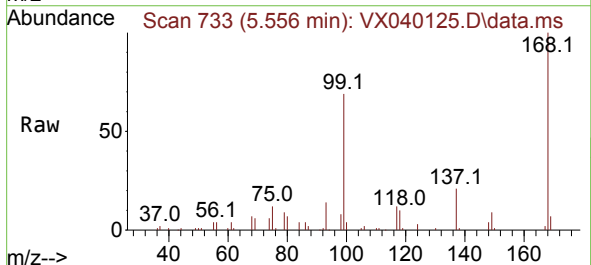
Instrument :
MSVOA_X
ClientSampleId :
TP-5

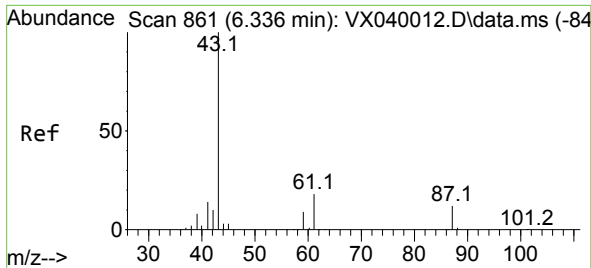
Tgt Ion: 43 Resp: 3620
Ion Ratio Lower Upper
43 100
61 10.9 10.6 16.0
70 4.1 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 3.281 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

Tgt Ion: 117 Resp: 4898
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#

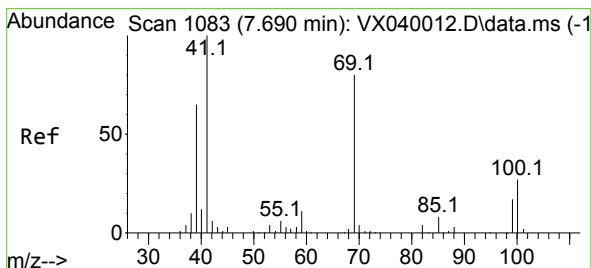
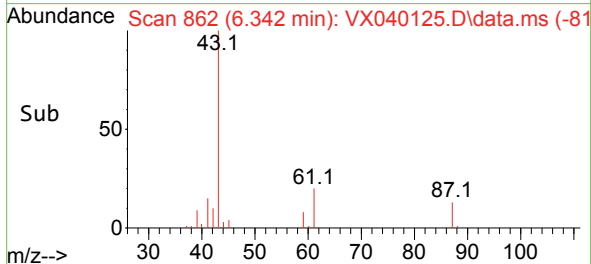
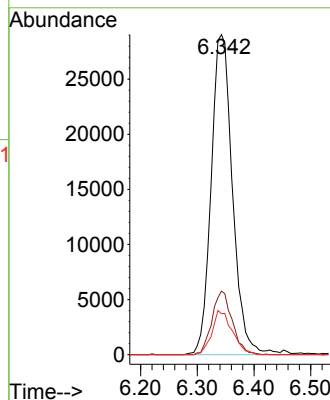
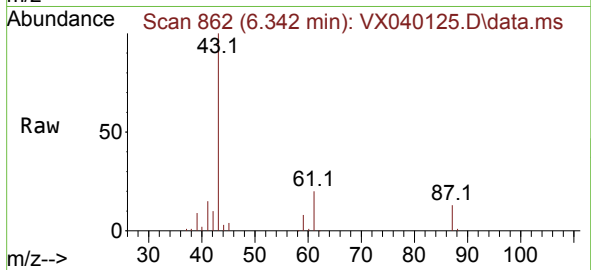




#43
Isopropyl Acetate
Concen: 28.243 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

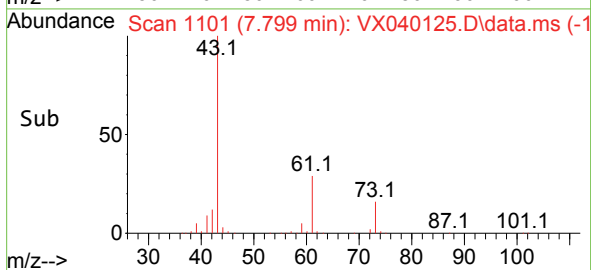
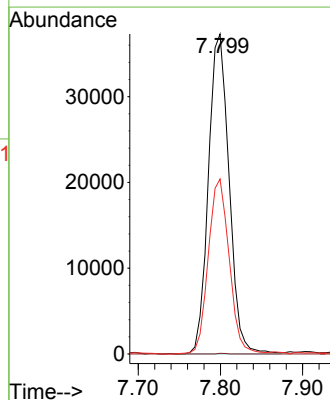
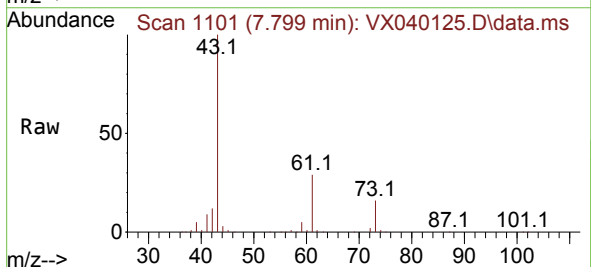
Instrument :
MSVOA_X
ClientSampleId :
TP-5

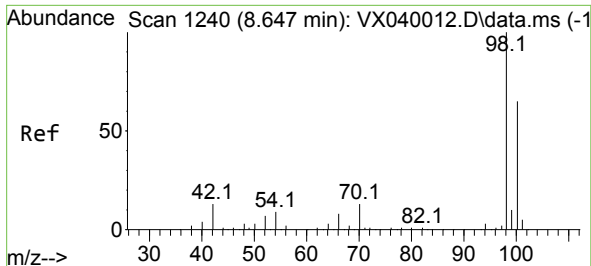
Tgt Ion: 43 Resp: 75889
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 13.1 9.8 14.6



#48
Methyl methacrylate
Concen: 49.250 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

Tgt Ion: 41 Resp: 65190
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 55.3 47.7 71.5

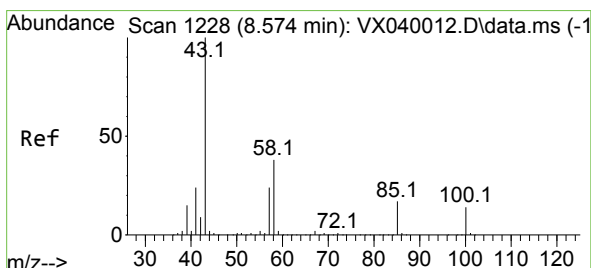
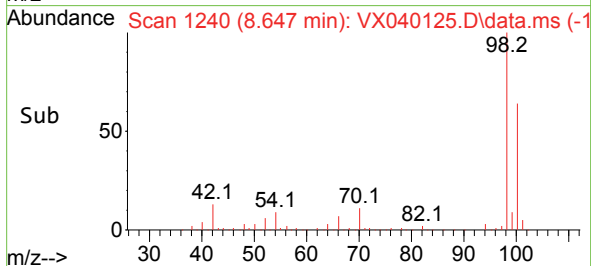
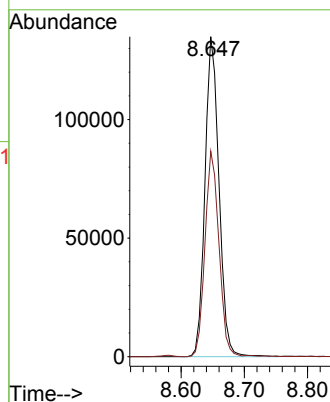
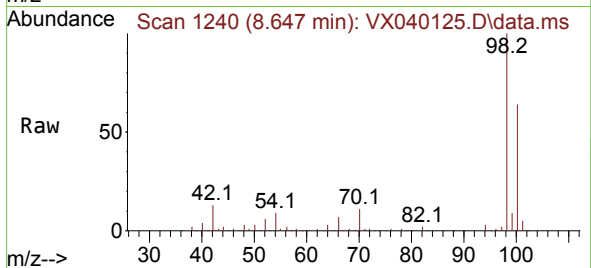




#50
Toluene-d8
Concen: 51.585 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

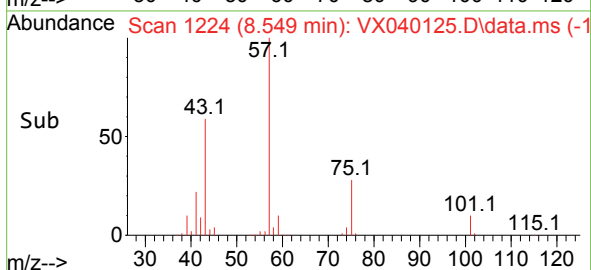
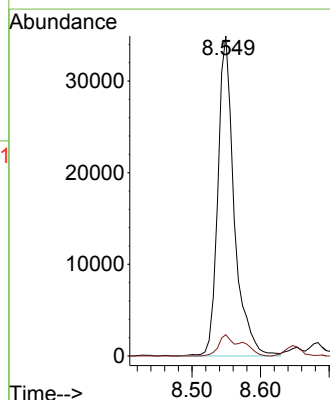
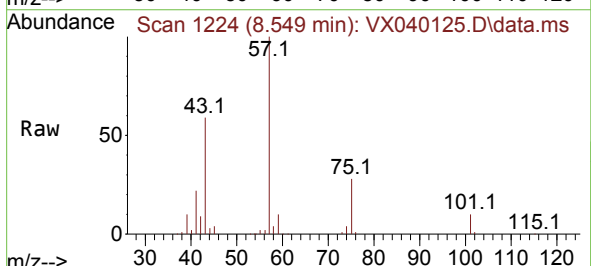
Instrument :
MSVOA_X
ClientSampleId :
TP-5

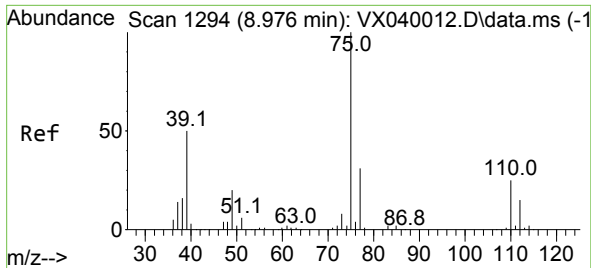
Tgt Ion: 98 Resp: 208115
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 31.418 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

Tgt Ion: 43 Resp: 57629
Ion Ratio Lower Upper
43 100
58 9.3 30.4 45.6#

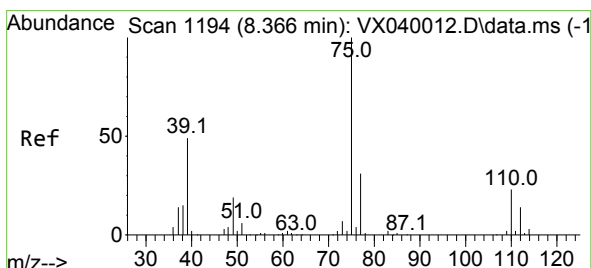
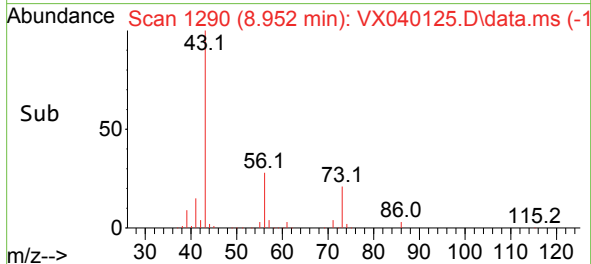
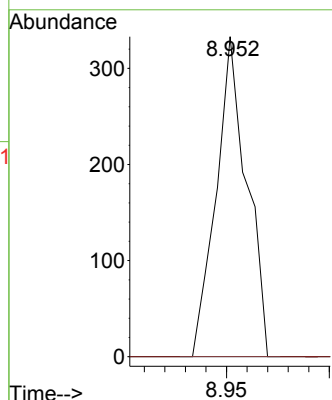
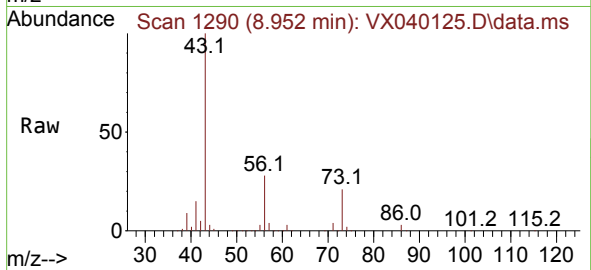




#53
 t-1,3-Dichloropropene
 Concen: 0.207 ug/l
 RT: 8.952 min Scan# 1124
 Delta R.T. -0.024 min
 Lab File: VX040125.D
 Acq: 05 Feb 2024 18:44

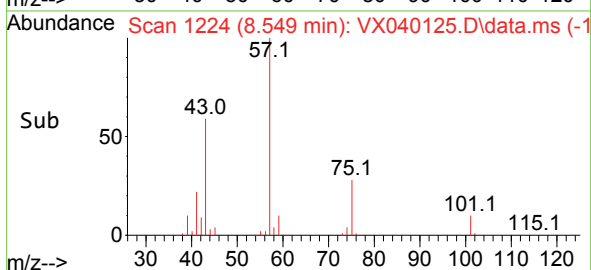
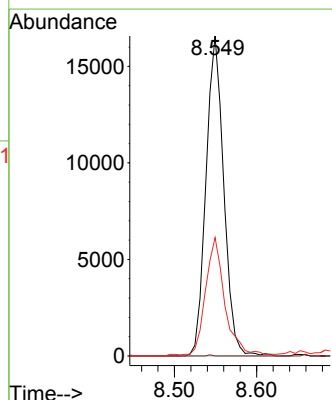
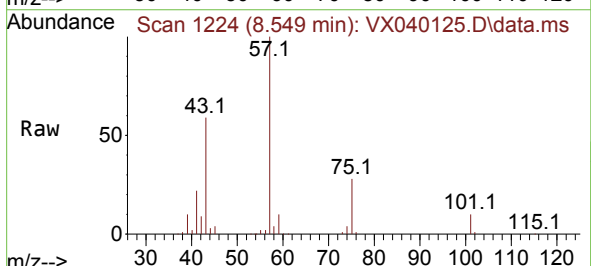
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5

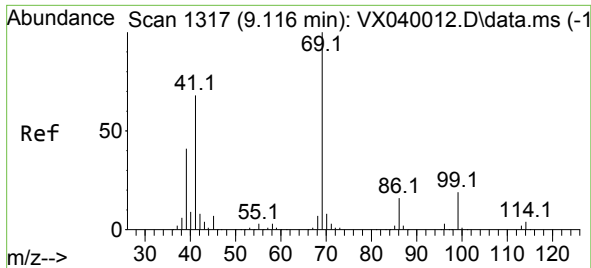
Tgt Ion: 75 Resp: 345
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.012 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040125.D
 Acq: 05 Feb 2024 18:44

Tgt Ion: 75 Resp: 24872
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 36.6 46.7 70.1#

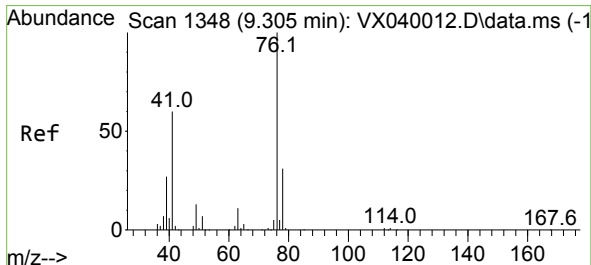
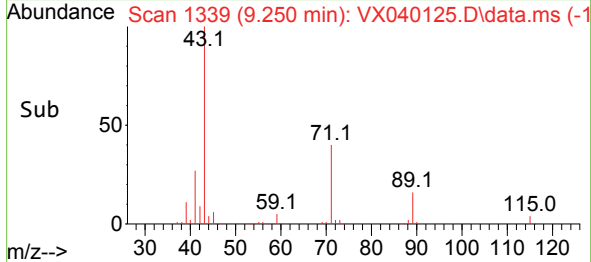
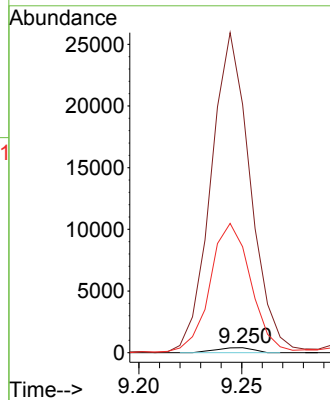
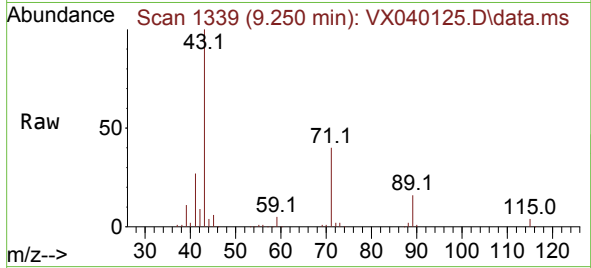




#56
Ethyl methacrylate
Concen: 0.296 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

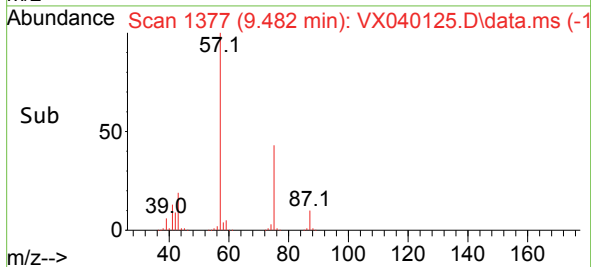
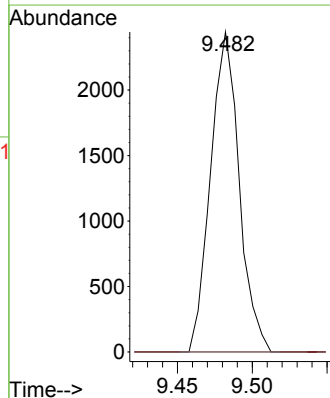
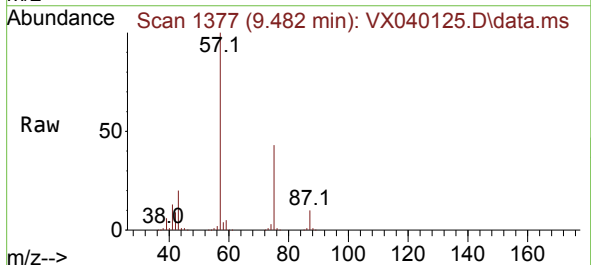
Instrument :
MSVOA_X
ClientSampleId :
TP-5

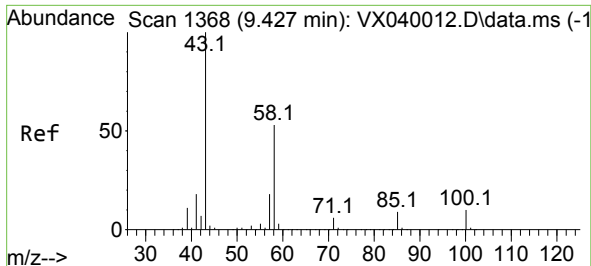
Tgt Ion: 69 Resp: 506
Ion Ratio Lower Upper
69 100
41 6874.7 56.8 85.2#
39 2902.0 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.683 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

Tgt Ion: 76 Resp: 3251
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

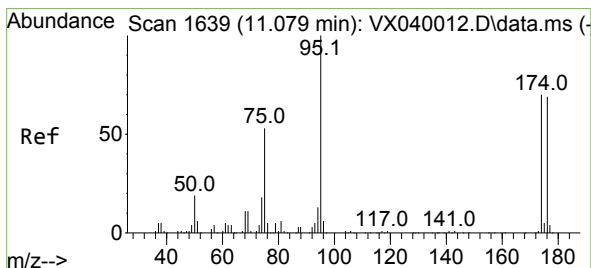
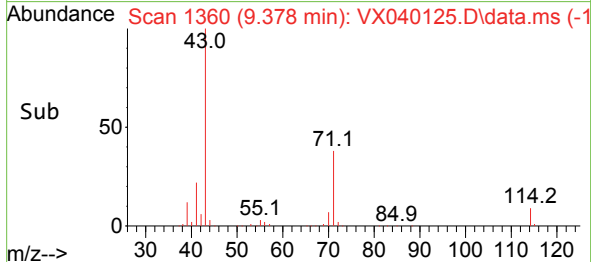
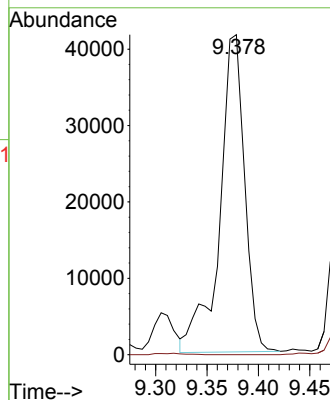
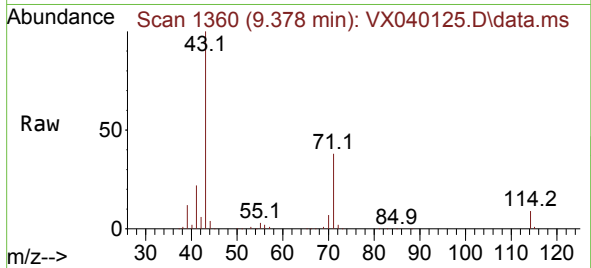




#59
2-Hexanone
Concen: 47.890 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

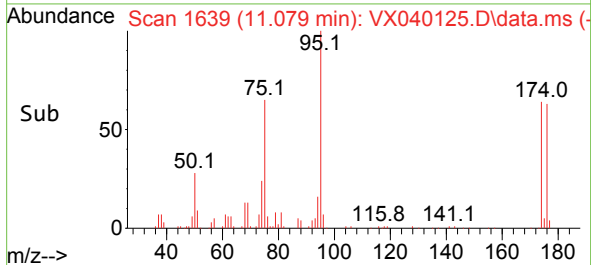
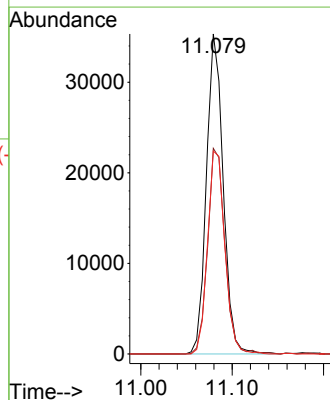
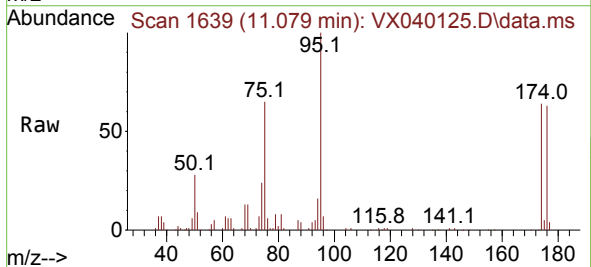
Instrument :
MSVOA_X
ClientSampleId :
TP-5

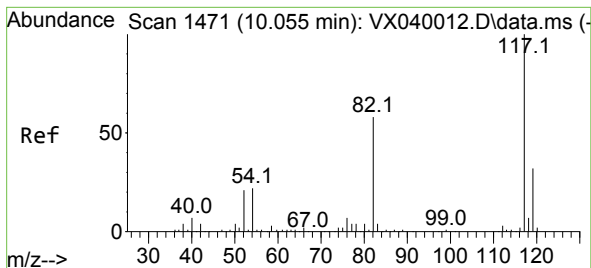
Tgt Ion: 43 Resp: 70038
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 29.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040125.D
Acq: 05 Feb 2024 18:44

Tgt Ion: 95 Resp: 45123
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.6
176 65.5 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: VX040125.D

Acq: 05 Feb 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

TP-5

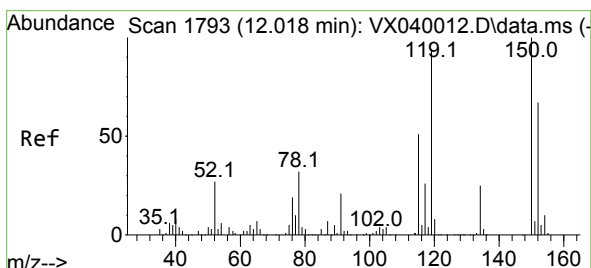
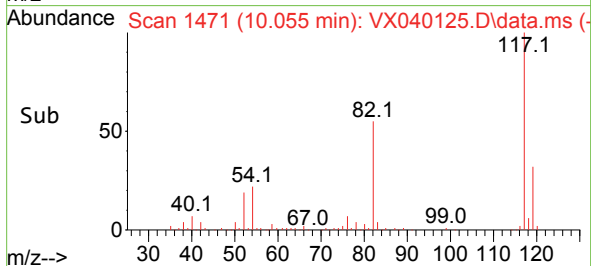
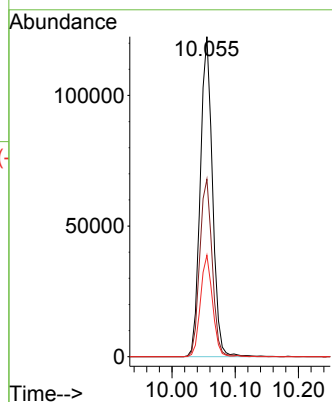
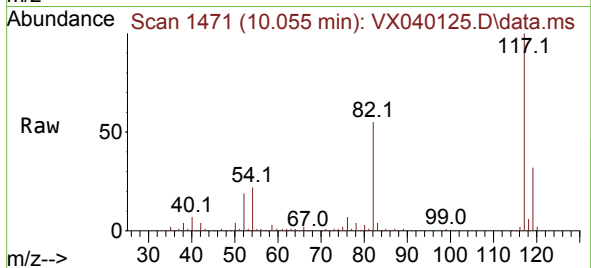
Tgt Ion:117 Resp: 164966

Ion Ratio Lower Upper

117 100

82 55.5 46.2 69.4

119 31.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX040125.D

Acq: 05 Feb 2024 18:44

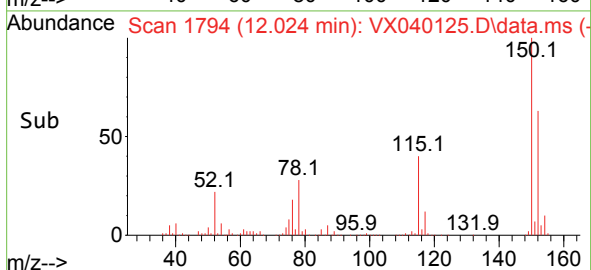
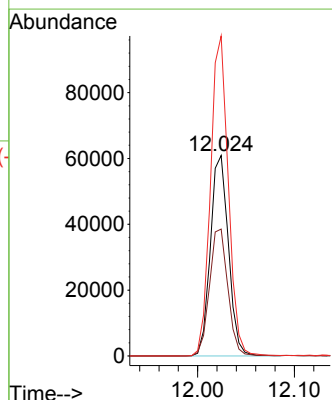
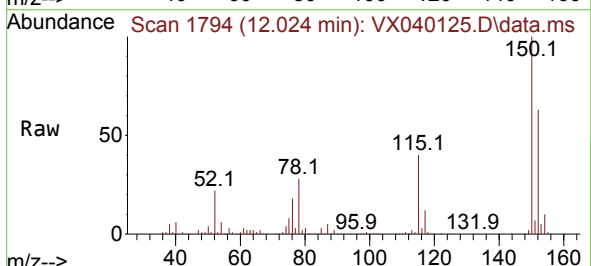
Tgt Ion:152 Resp: 79226

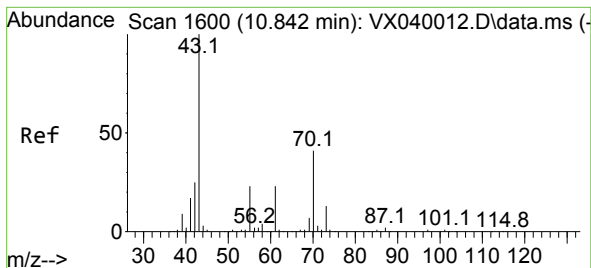
Ion Ratio Lower Upper

152 100

115 64.4 43.3 129.9

150 157.0 0.0 345.0





#74

N-amy1 acetate

Concen: 0.659 ug/l

RT: 10.787 min Scan# 1

Delta R.T. -0.055 min

Lab File: VX040125.D

Acq: 05 Feb 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

TP-5

Tgt Ion: 43 Resp: 1188

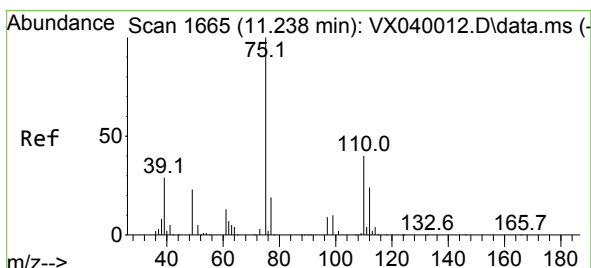
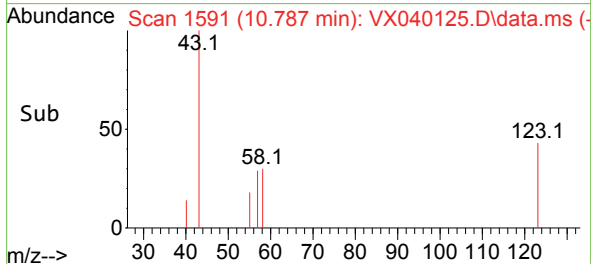
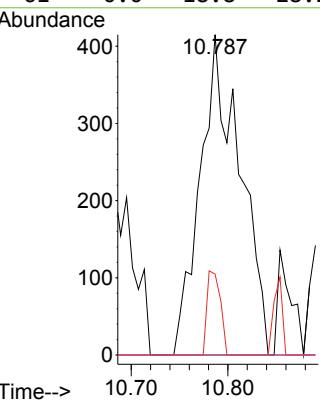
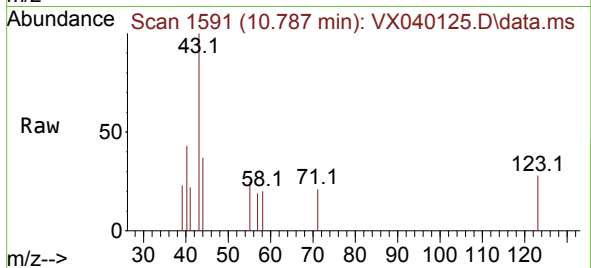
Ion Ratio Lower Upper

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: 16.493 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040125.D

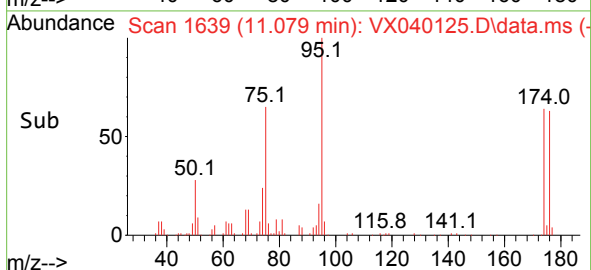
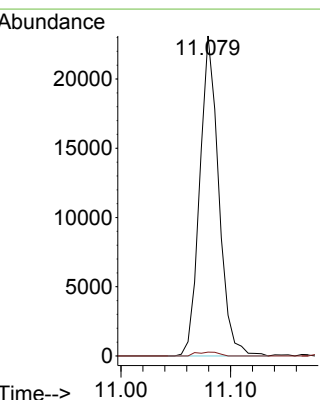
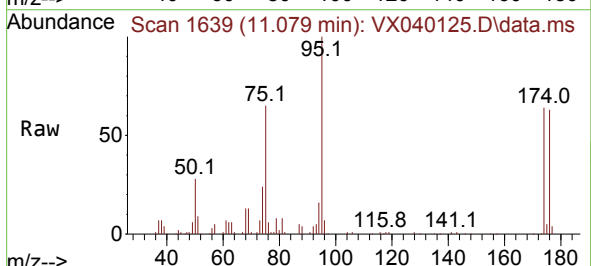
Acq: 05 Feb 2024 18:44

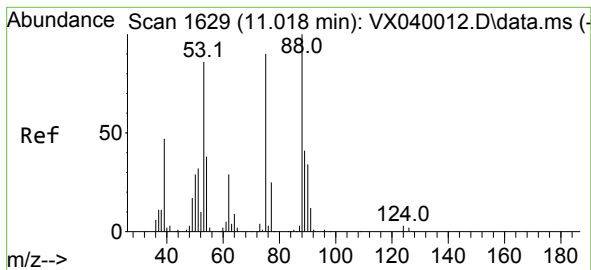
Tgt Ion: 75 Resp: 27826

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.769 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040125.D
 Acq: 05 Feb 2024 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5

Tgt Ion: 75 Resp: 27826
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

