

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
 Data File : VX040911.D
 Acq On : 05 Apr 2024 18:03
 Operator : JC/MD
 Sample : P1996-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP3

Quant Time: Apr 05 23:25:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

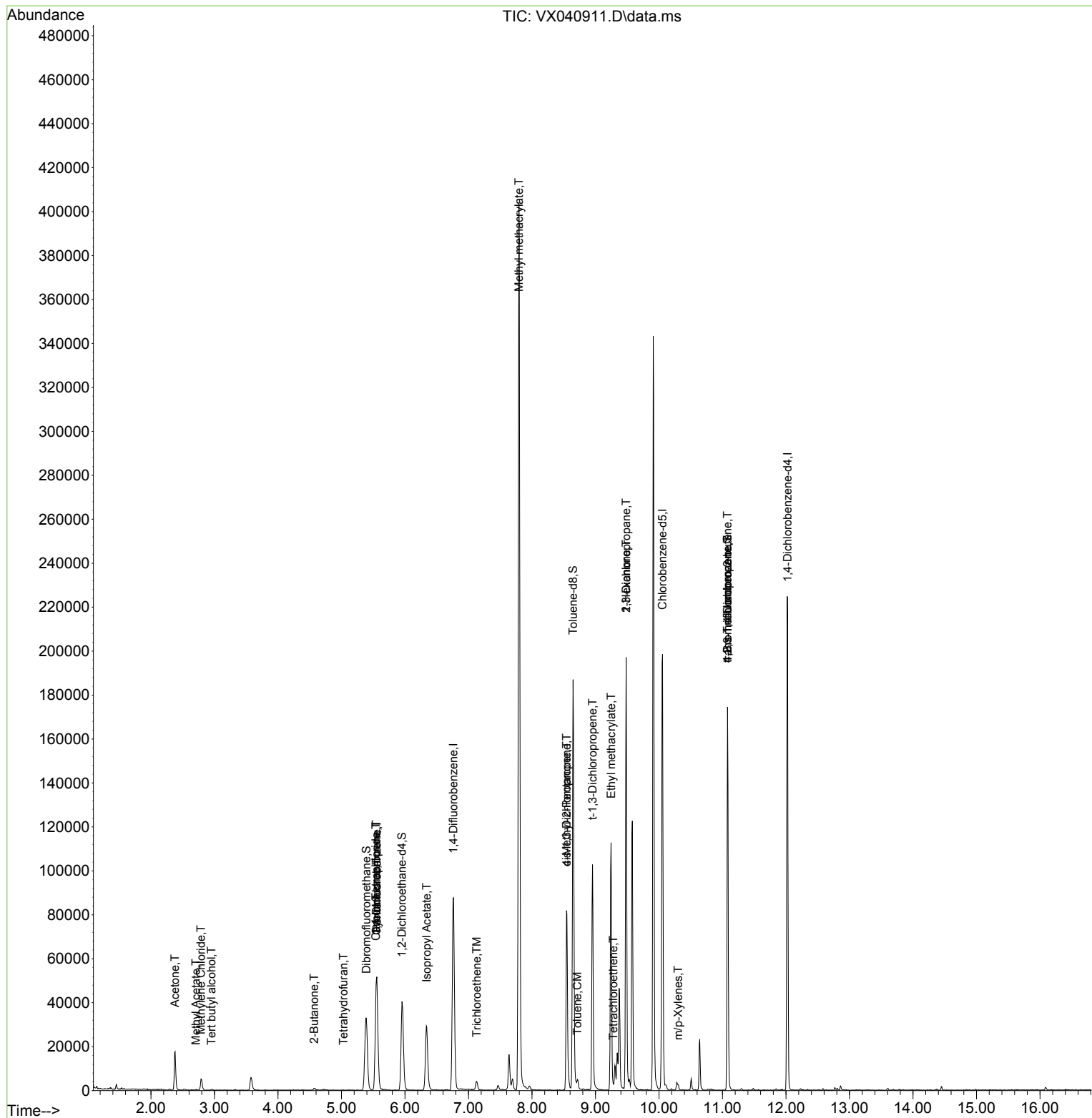
Internal Standards						
1) Pentafluorobenzene	5.556	168	44636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	84121	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	84360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	41620	51.967	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.940%	
35) Dibromofluoromethane	5.391	113	28599	47.999	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.000%	
50) Toluene-d8	8.647	98	106974	49.686	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.380%	
62) 4-Bromofluorobenzene	11.079	95	43861	51.013	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	356	2.435	ug/l #	78
16) Acetone	2.380	43	19449	62.541	ug/l	96
18) Methyl Acetate	2.709	43	430	0.583	ug/l #	53
20) Methylene Chloride	2.788	84	2338	4.057	ug/l	95
25) 2-Butanone	4.568	43	1440	3.117	ug/l	98
29) Tetrahydrofuran	5.032	42	68	0.226	ug/l #	34
31) Cyclohexane	5.550	56	1298	1.527	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	4262	5.034	ug/l #	45
38) Carbon Tetrachloride	5.544	117	5418	5.781	ug/l #	11
43) Isopropyl Acetate	6.342	43	41864	26.076	ug/l	97
44) Trichloroethene	7.129	130	1469	2.503	ug/l	90
48) Methyl methacrylate	7.793	41	38441	48.896	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	32783	30.784	ug/l #	49
52) Toluene	8.714	92	1352	0.912	ug/l	93
53) t-1,3-Dichloropropene	8.952	75	204	0.958	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	11790	12.430	ug/l #	66
56) Ethyl methacrylate	9.244	69	263	0.265	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1574	1.555	ug/l #	42
59) 2-Hexanone	9.482	43	25427	29.771	ug/l #	50
64) Tetrachloroethene	9.281	164	117	0.210	ug/l #	34
68) m/p-Xylenes	10.299	106	586	0.490	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	25762	28.231	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	25762	76.168	ug/l #	5

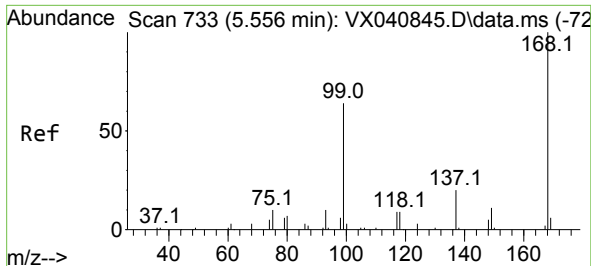
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:40:55 2024
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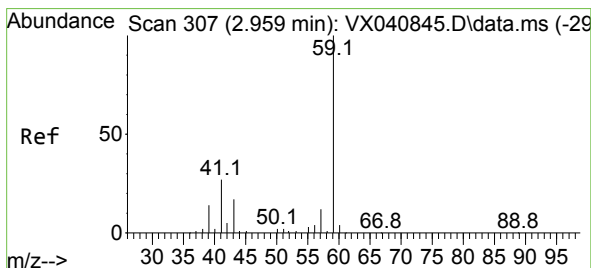
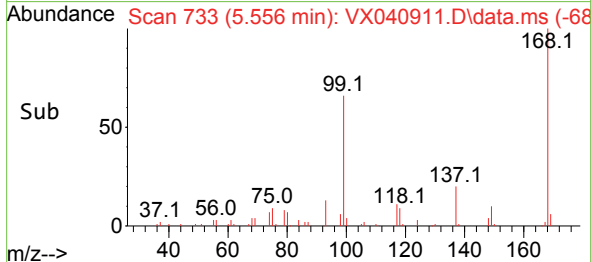
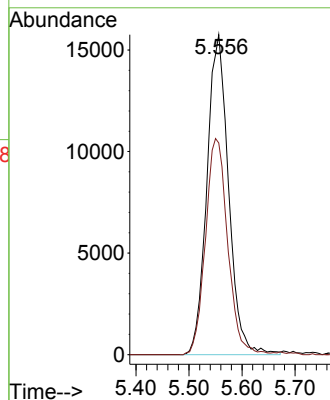
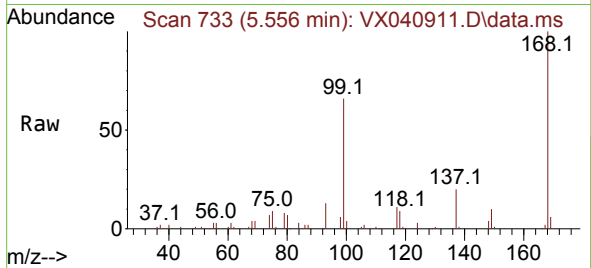




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

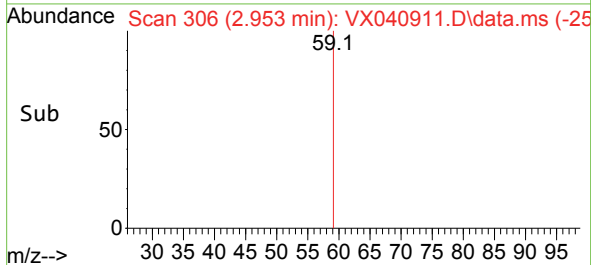
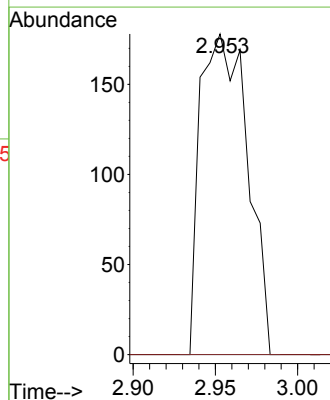
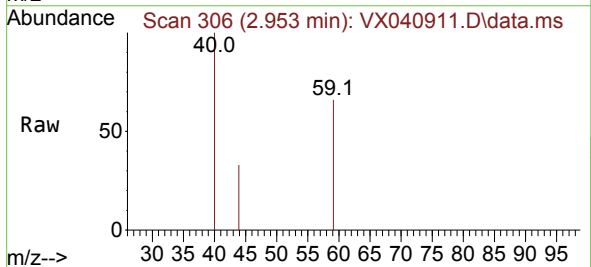
Instrument :
MSVOA_X
ClientSampleId :
TP3

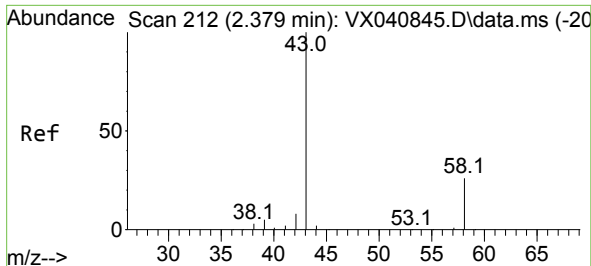
Tgt Ion:168 Resp: 44636
Ion Ratio Lower Upper
168 100
99 66.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.435 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

Tgt Ion: 59 Resp: 356
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

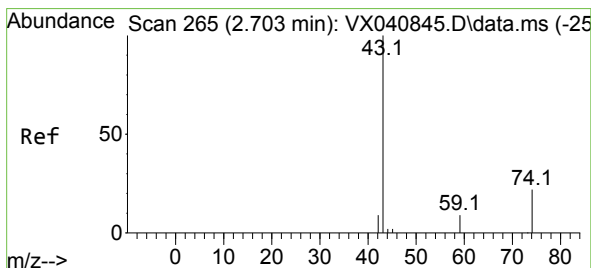
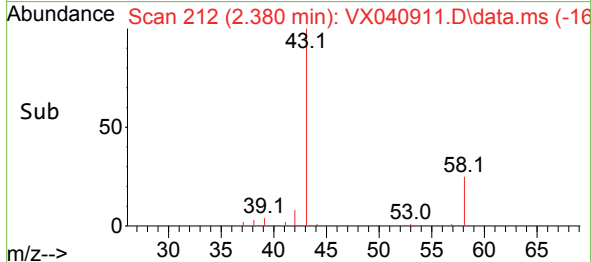
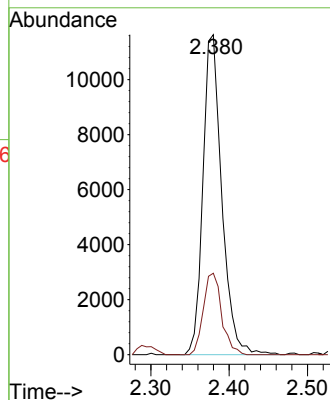
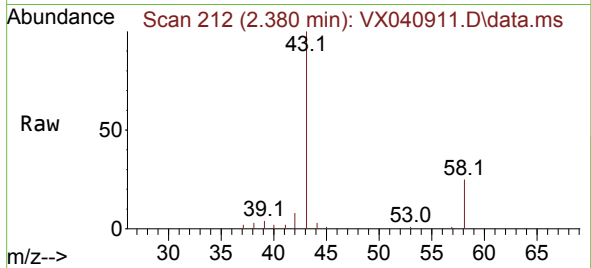




#16
Acetone
Concen: 62.541 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

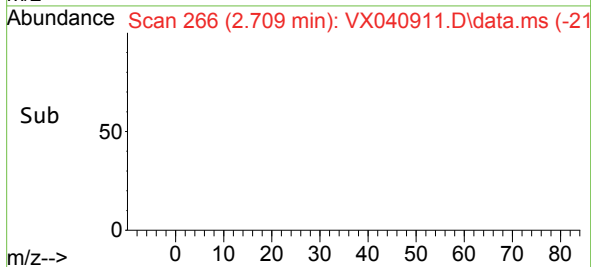
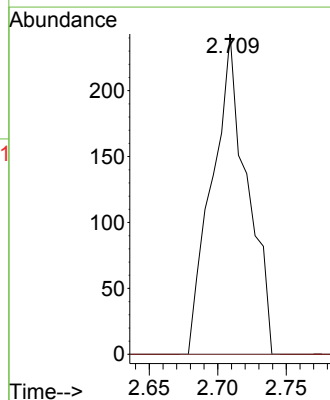
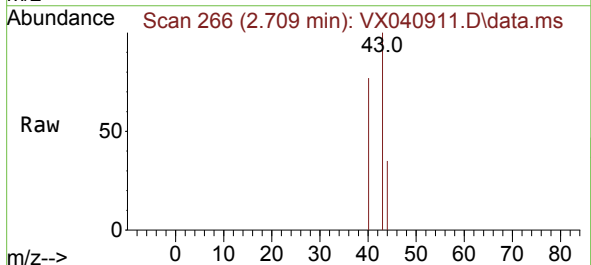
Instrument :
MSVOA_X
ClientSampleId :
TP3

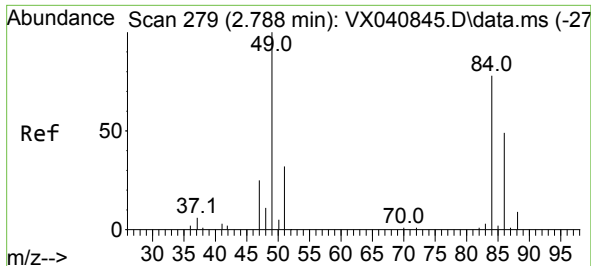
Tgt Ion: 43 Resp: 19449
Ion Ratio Lower Upper
43 100
58 25.4 21.9 32.9



#18
Methyl Acetate
Concen: 0.583 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#





#20

Methylene Chloride

Concen: 4.057 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040911.D

Acq: 05 Apr 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

TP3

Tgt Ion: 84 Resp: 2338

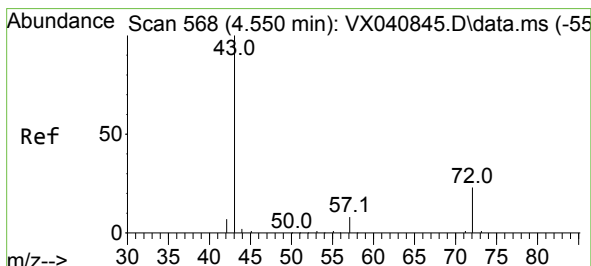
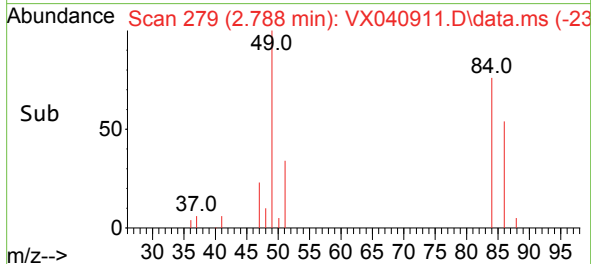
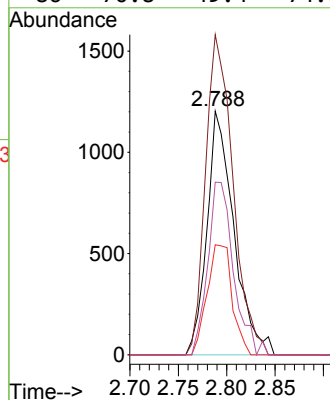
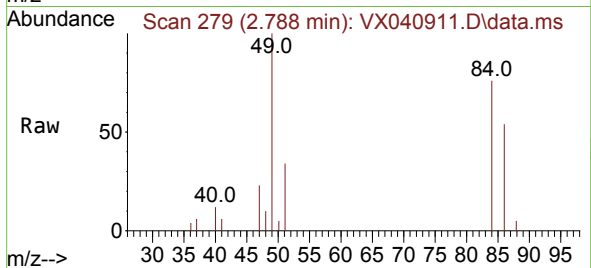
Ion Ratio Lower Upper

84 100

49 131.4 103.6 155.4

51 45.1 33.8 50.6

86 70.8 49.4 74.0



#25

2-Butanone

Concen: 3.117 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.019 min

Lab File: VX040911.D

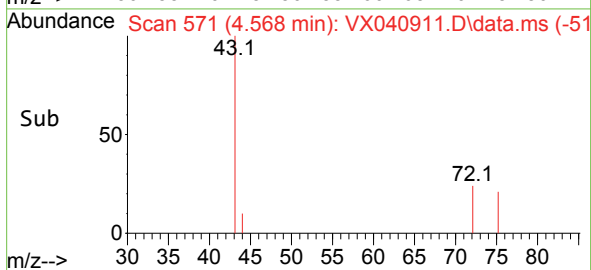
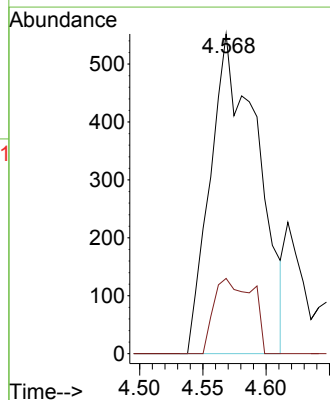
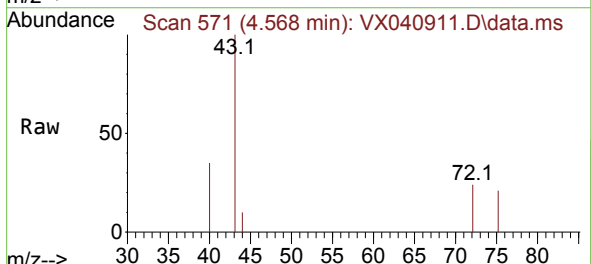
Acq: 05 Apr 2024 18:03

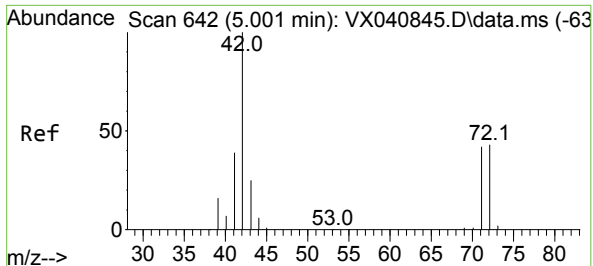
Tgt Ion: 43 Resp: 1440

Ion Ratio Lower Upper

43 100

72 23.6 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX040911.D

Acq: 05 Apr 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

TP3

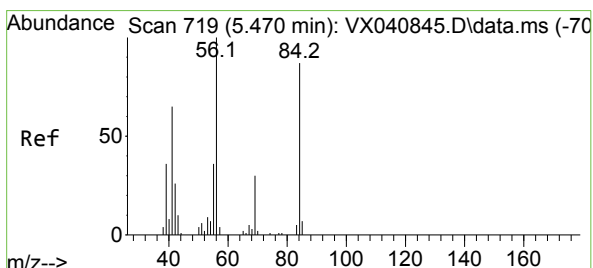
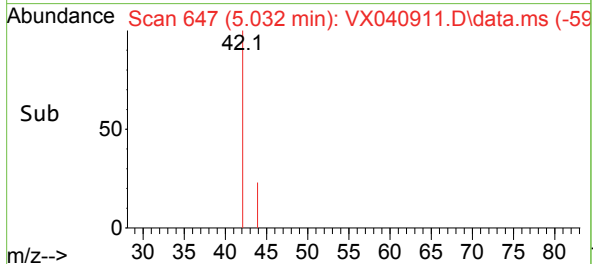
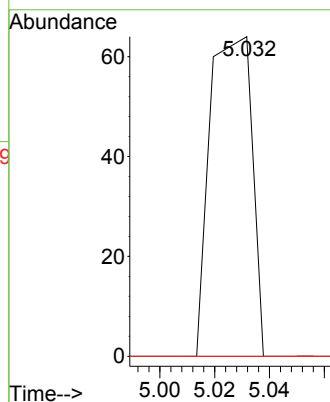
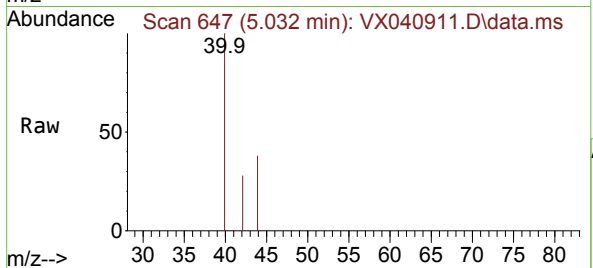
Tgt Ion: 42 Resp: 68

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.527 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040911.D

Acq: 05 Apr 2024 18:03

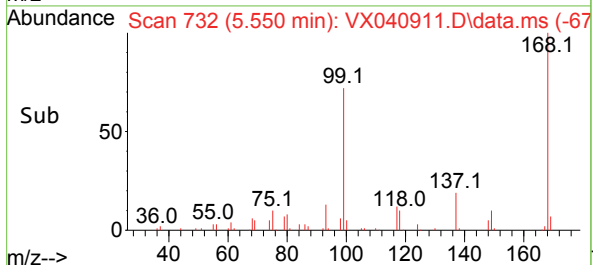
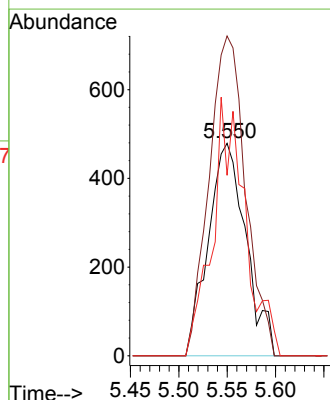
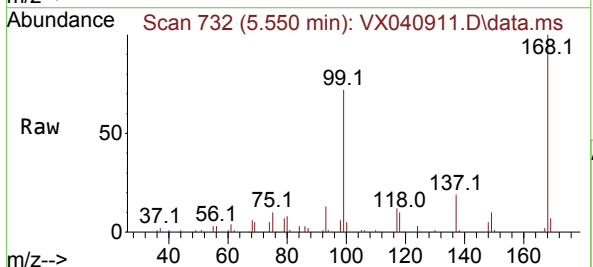
Tgt Ion: 56 Resp: 1298

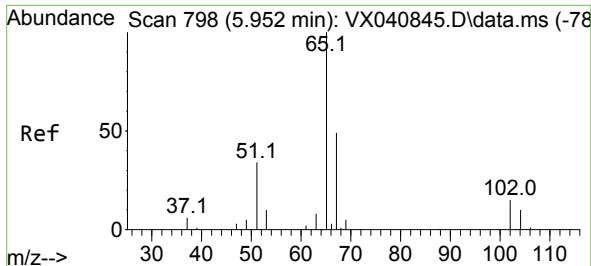
Ion Ratio Lower Upper

56 100

69 150.5 23.4 35.2#

84 85.0 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 51.967 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX040911.D

Acq: 05 Apr 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

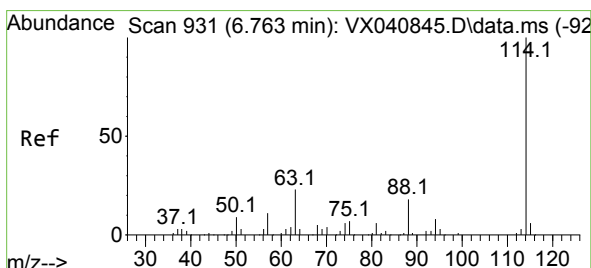
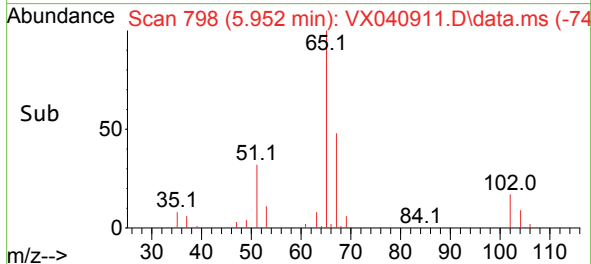
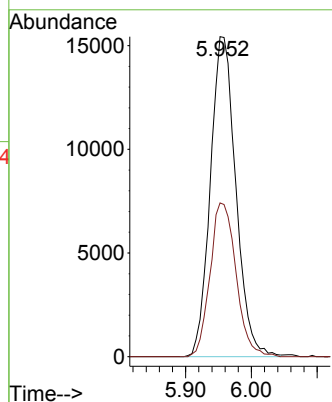
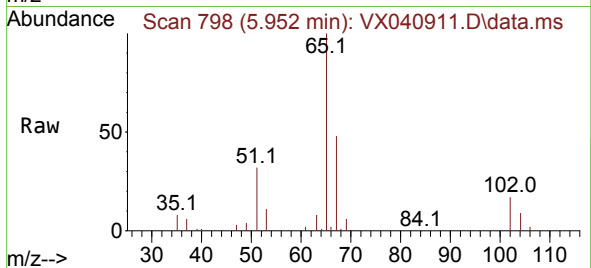
TP3

Tgt Ion: 65 Resp: 41620

Ion Ratio Lower Upper

65 100

67 49.0 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: VX040911.D

Acq: 05 Apr 2024 18:03

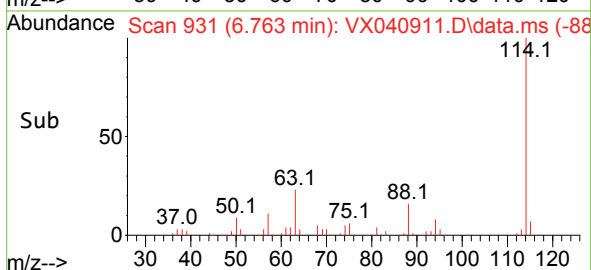
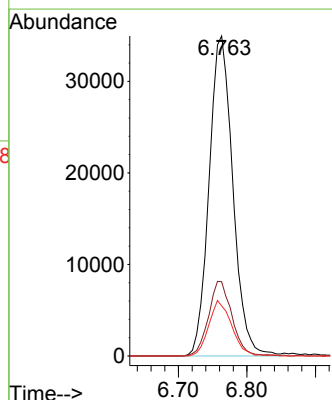
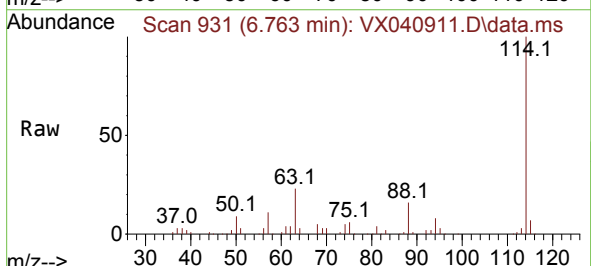
Tgt Ion: 114 Resp: 84121

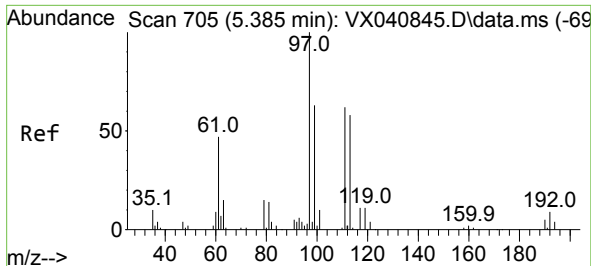
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

88 15.7 0.0 36.6

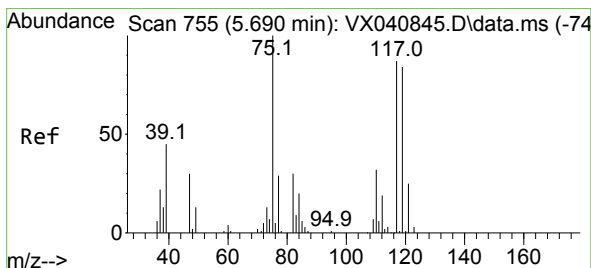
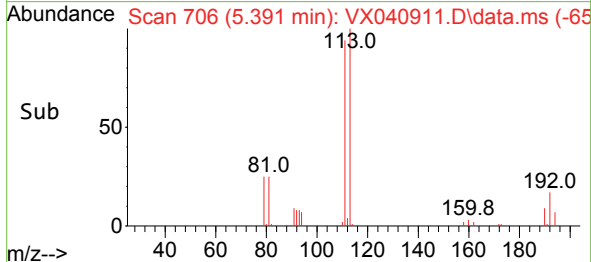
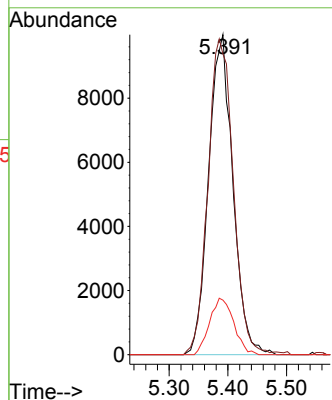
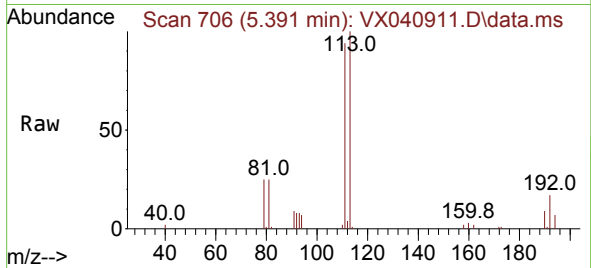




#35
 Dibromofluoromethane
 Concen: 47.999 ug/l
 RT: 5.391 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX040911.D
 Acq: 05 Apr 2024 18:03

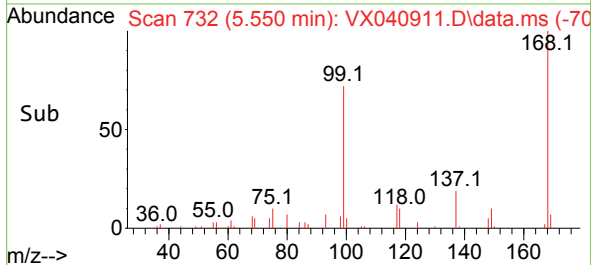
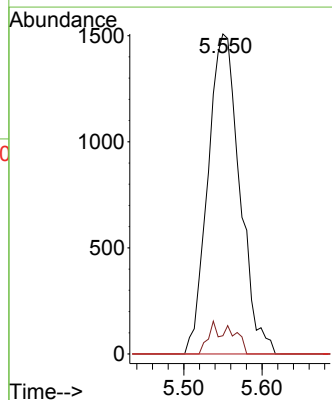
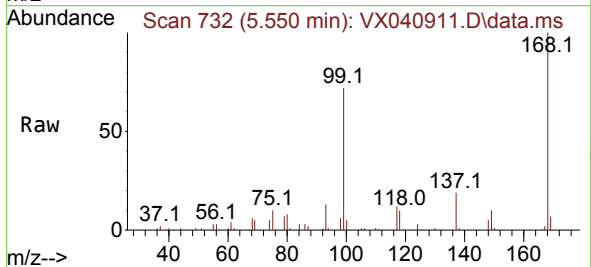
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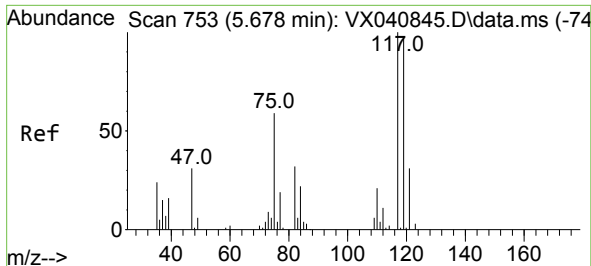
Tgt Ion:113 Resp: 28599
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 17.6 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 5.034 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX040911.D
 Acq: 05 Apr 2024 18:03

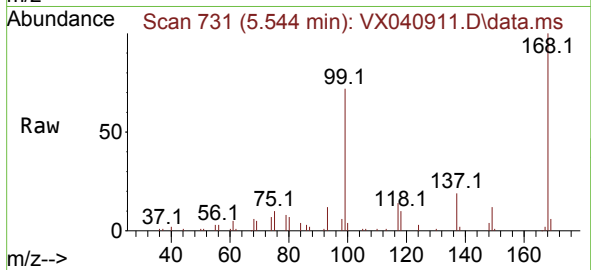
Tgt Ion: 75 Resp: 4262
 Ion Ratio Lower Upper
 75 100
 110 3.4 17.0 50.9#
 77 0.0 24.7 37.1#



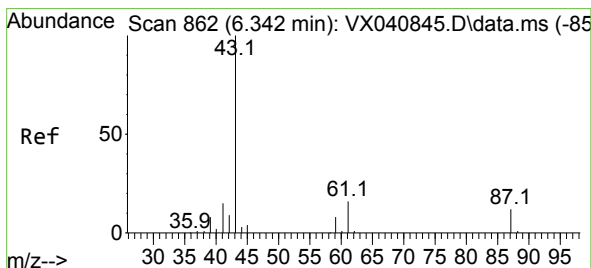
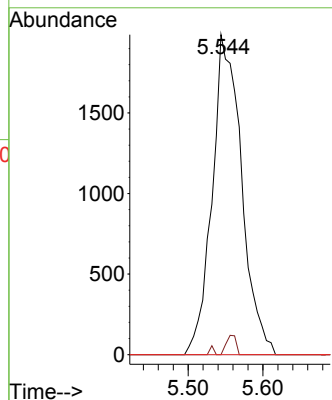
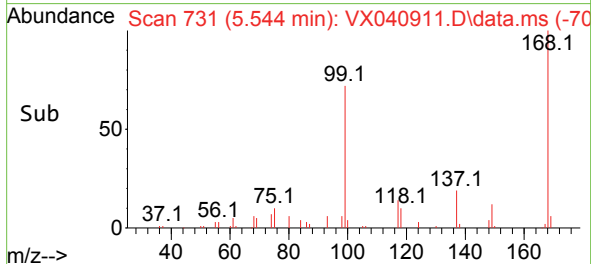


#38
Carbon Tetrachloride
Concen: 5.781 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

Instrument :
MSVOA_X
ClientSampleId :
TP3

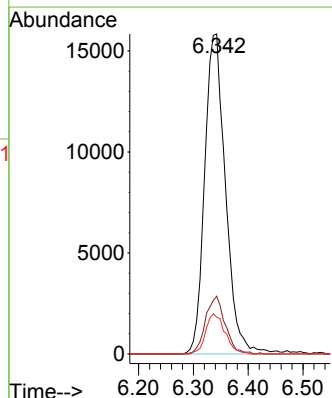
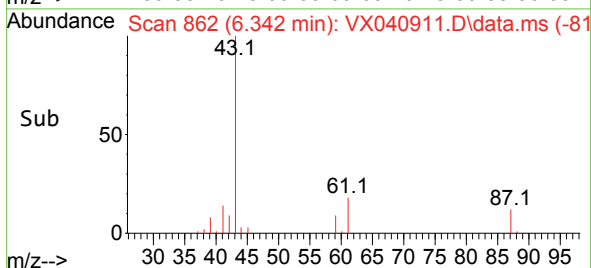
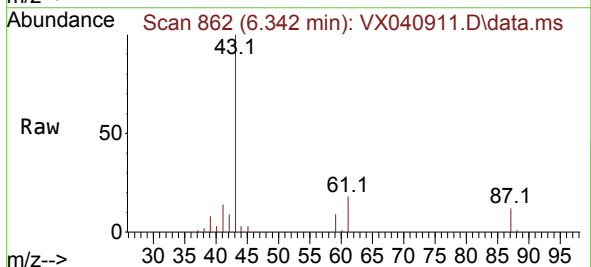


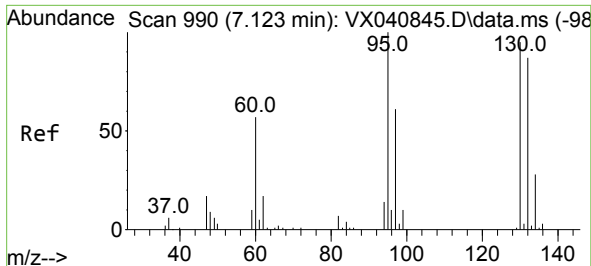
Tgt Ion:117 Resp: 5418
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.076 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

Tgt Ion: 43 Resp: 41864
Ion Ratio Lower Upper
43 100
61 16.9 15.2 22.8
87 11.6 9.8 14.6

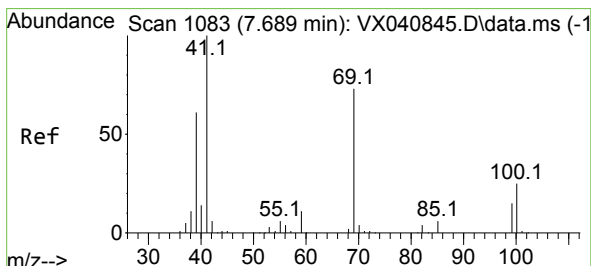
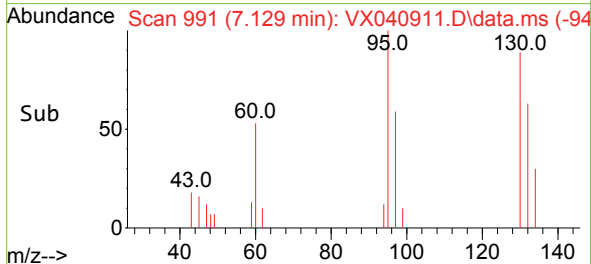
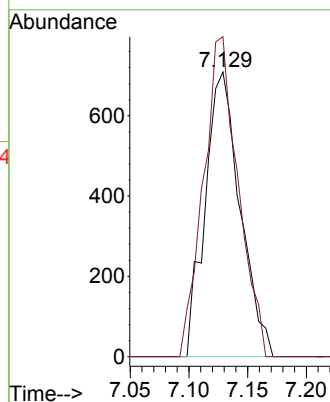
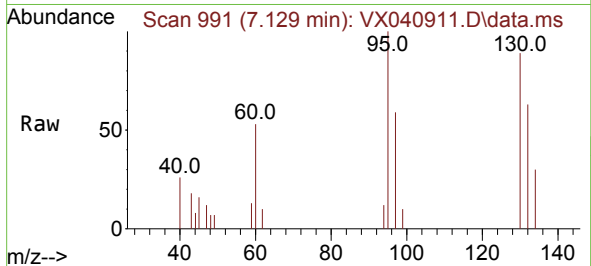




#44
Trichloroethene
Concen: 2.503 ug/l
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

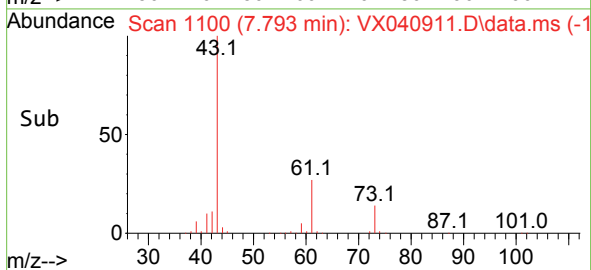
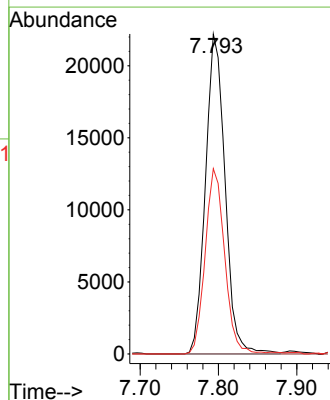
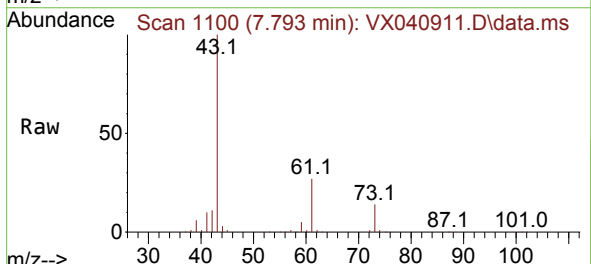
Instrument :
MSVOA_X
ClientSampleId :
TP3

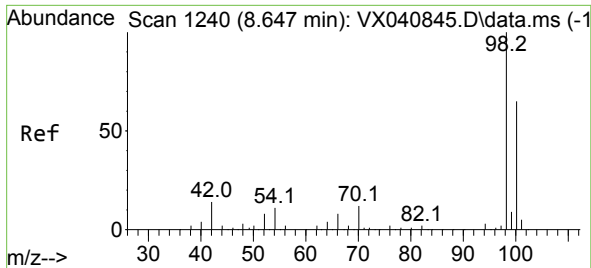
Tgt Ion:130 Resp: 1469
Ion Ratio Lower Upper
130 100
95 112.4 0.0 204.4



#48
Methyl methacrylate
Concen: 48.896 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

Tgt Ion: 41 Resp: 38441
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.7 47.7 71.5

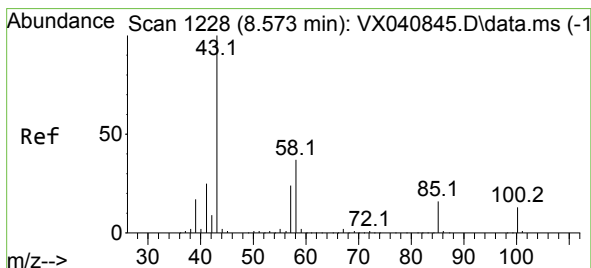
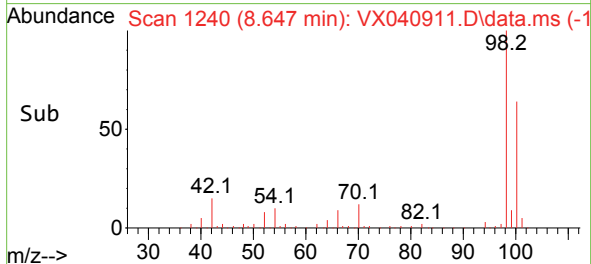
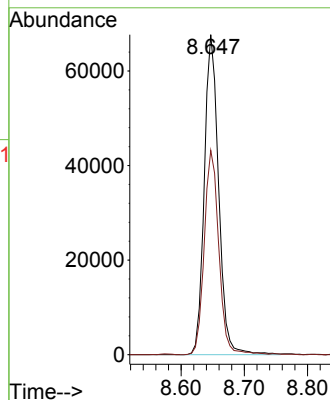
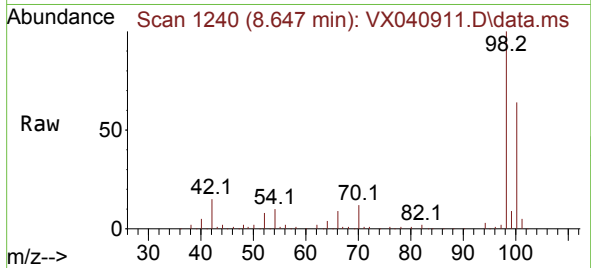




#50
Toluene-d8
Concen: 49.686 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

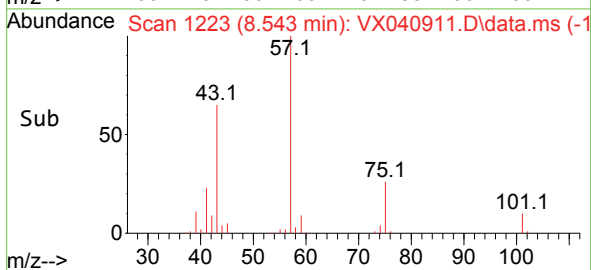
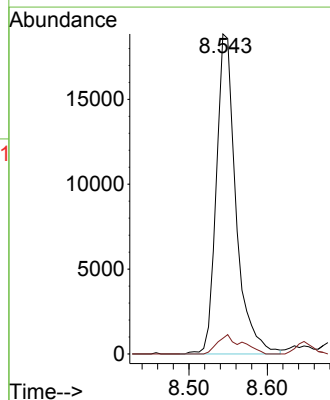
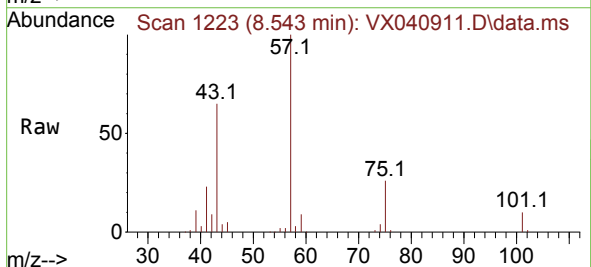
Instrument :
MSVOA_X
ClientSampleId :
TP3

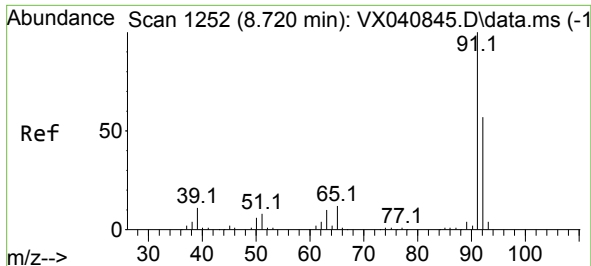
Tgt Ion: 98 Resp: 106974
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 30.784 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

Tgt Ion: 43 Resp: 32783
Ion Ratio Lower Upper
43 100
58 7.5 30.4 45.6#





#52

Toluene

Concen: 0.912 ug/l

RT: 8.714 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040911.D

Acq: 05 Apr 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

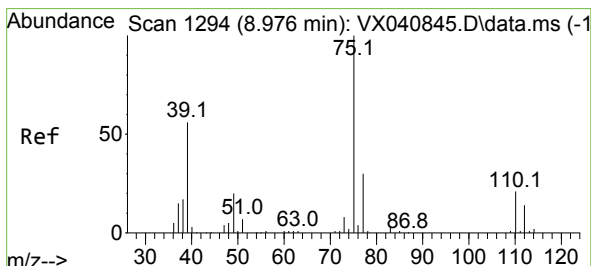
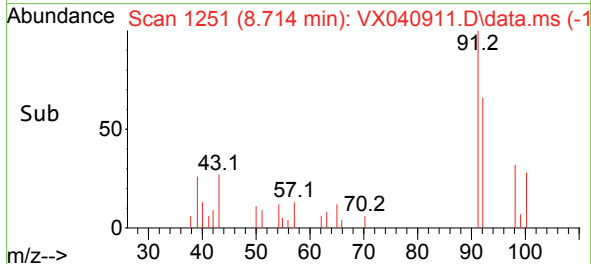
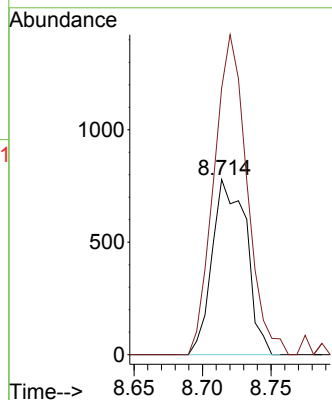
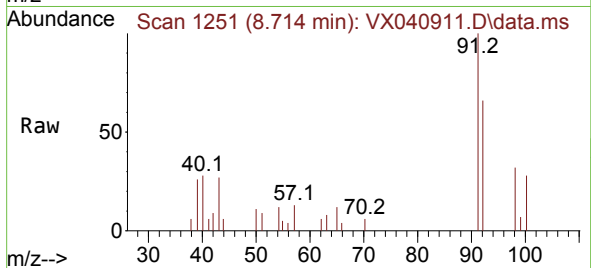
TP3

Tgt Ion: 92 Resp: 1352

Ion Ratio Lower Upper

92 100

91 176.6 134.2 201.2



#53

t-1,3-Dichloropropene

Concen: 0.958 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX040911.D

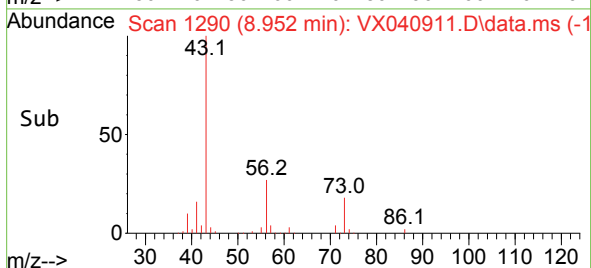
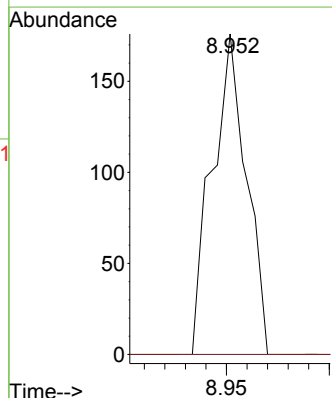
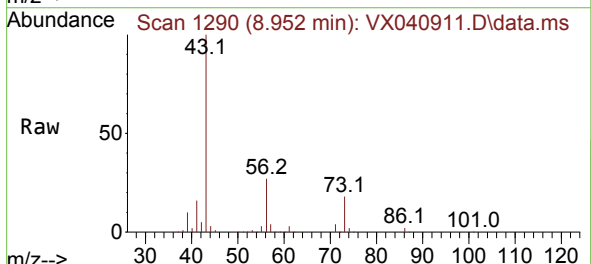
Acq: 05 Apr 2024 18:03

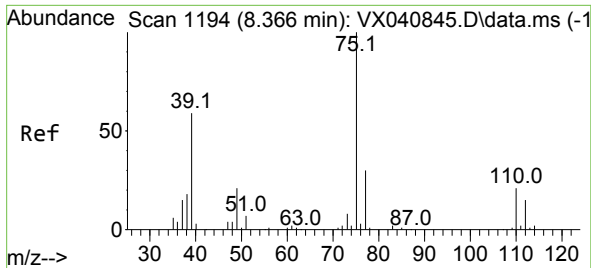
Tgt Ion: 75 Resp: 204

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

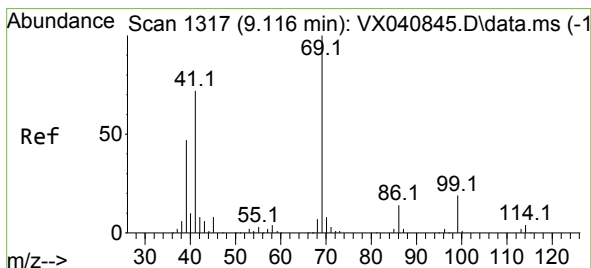
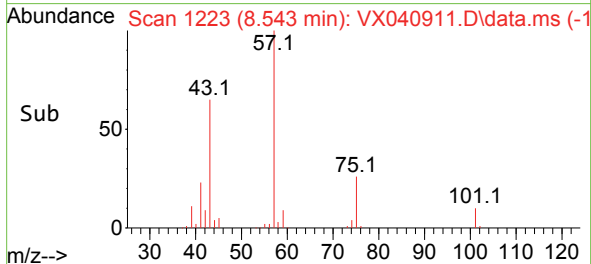
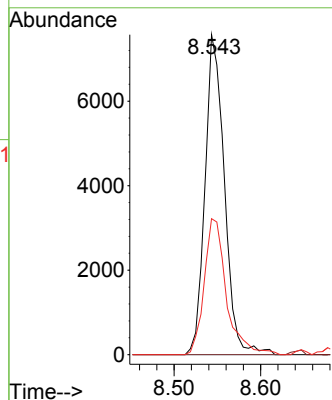
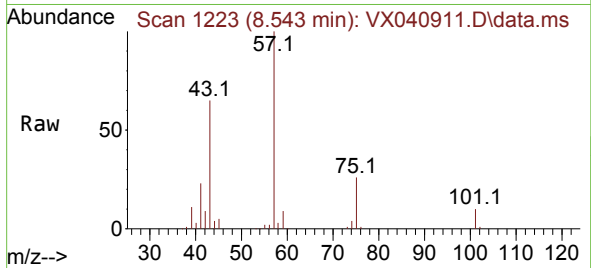




#54
cis-1,3-Dichloropropene
Concen: 12.430 ug/l
RT: 8.543 min Scan# 1194
Delta R.T. 0.177 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

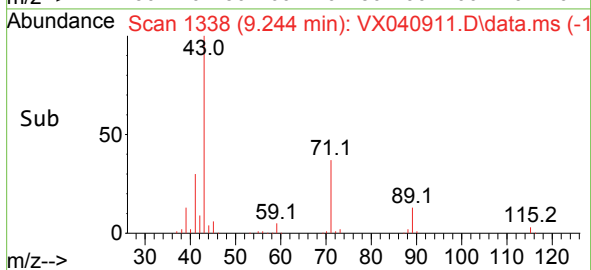
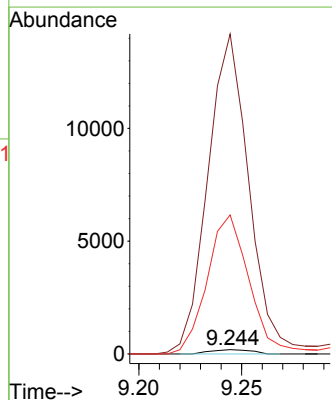
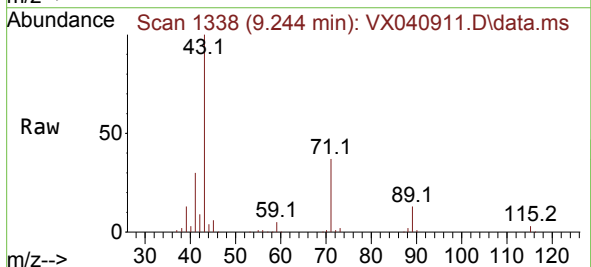
Instrument :
MSVOA_X
ClientSampleId :
TP3

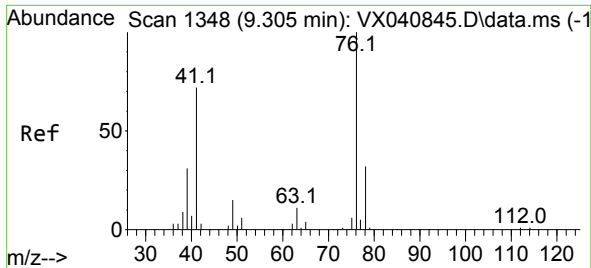
Tgt Ion: 75 Resp: 11790
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 42.5 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.265 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

Tgt Ion: 69 Resp: 263
Ion Ratio Lower Upper
69 100
41 7576.4 56.8 85.2#
39 3353.2 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.555 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040911.D

Acq: 05 Apr 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

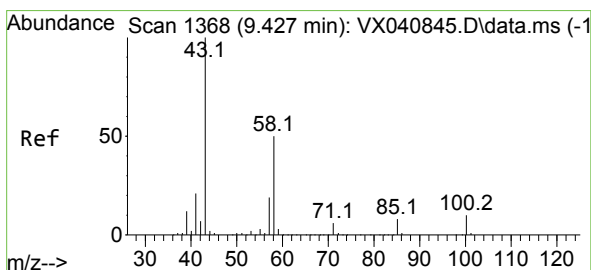
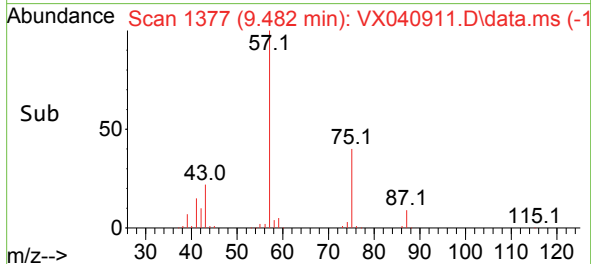
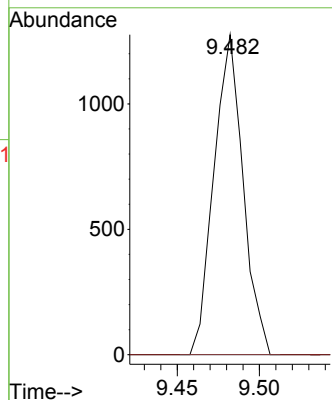
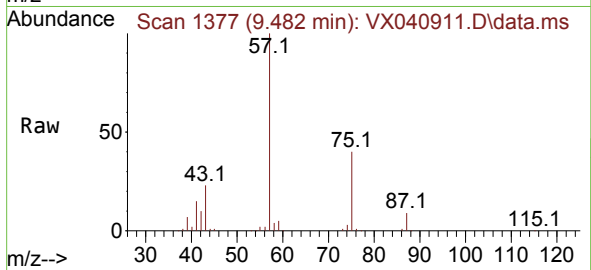
TP3

Tgt Ion: 76 Resp: 1574

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 29.771 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040911.D

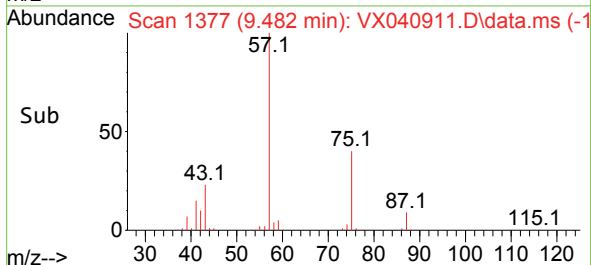
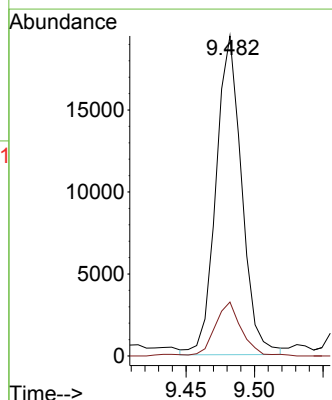
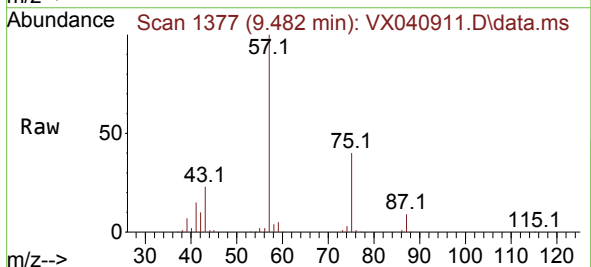
Acq: 05 Apr 2024 18:03

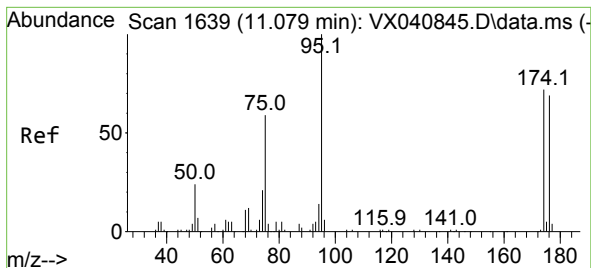
Tgt Ion: 43 Resp: 25427

Ion Ratio Lower Upper

43 100

58 17.3 26.2 78.5#

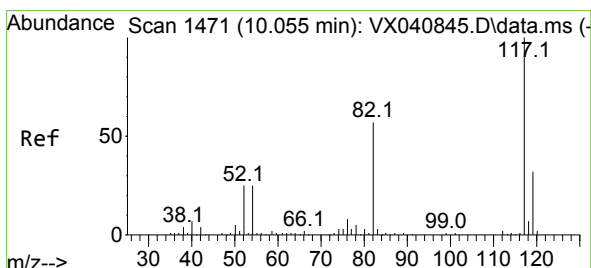
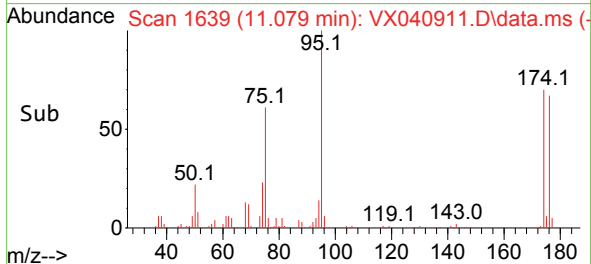
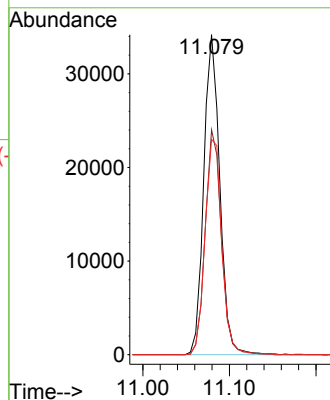
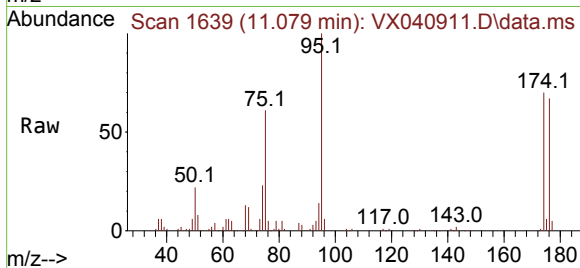




#62
4-Bromofluorobenzene
Concen: 51.013 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

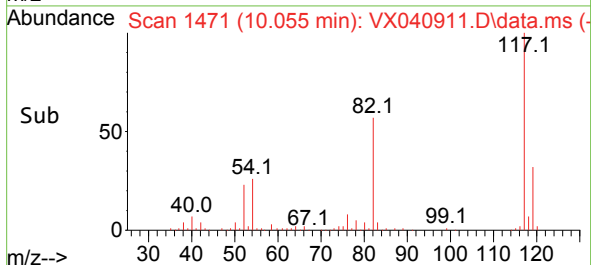
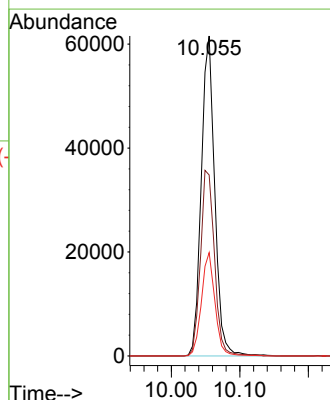
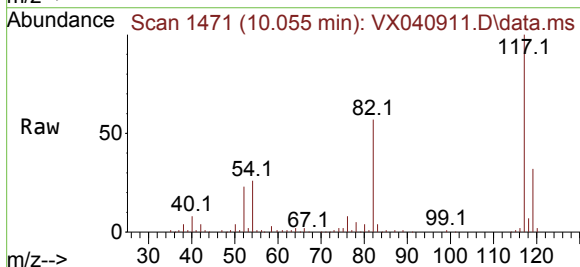
Instrument :
MSVOA_X
ClientSampleId :
TP3

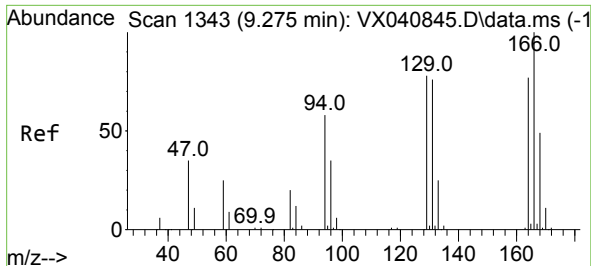
Tgt Ion: 95 Resp: 43861
Ion Ratio Lower Upper
95 100
174 71.2 0.0 135.6
176 70.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

Tgt Ion: 117 Resp: 84360
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.3 25.5 38.3

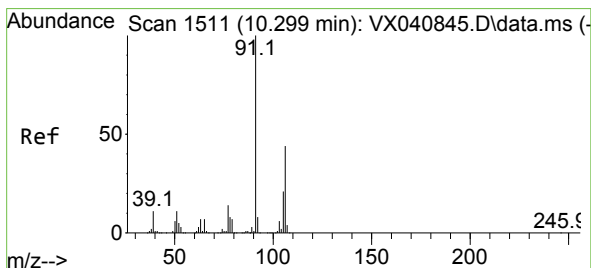
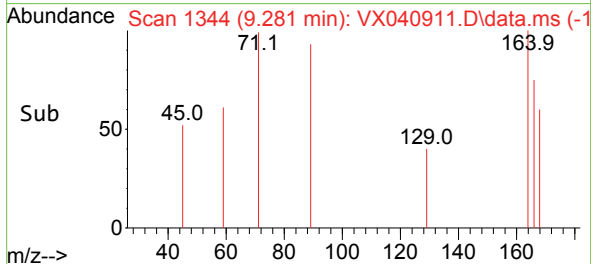
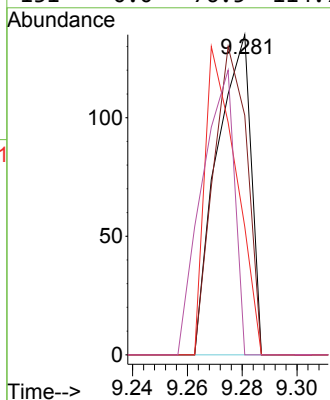
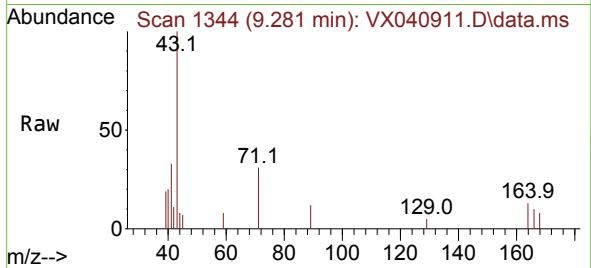




#64
Tetrachloroethene
Concen: 0.210 ug/l
RT: 9.281 min Scan# 117
Delta R.T. 0.006 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

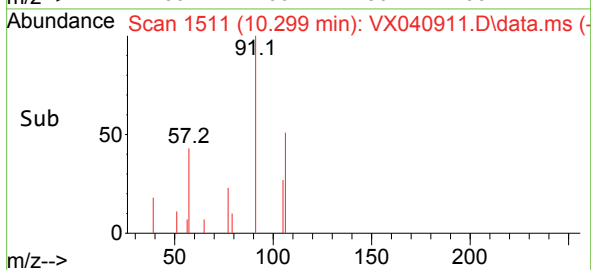
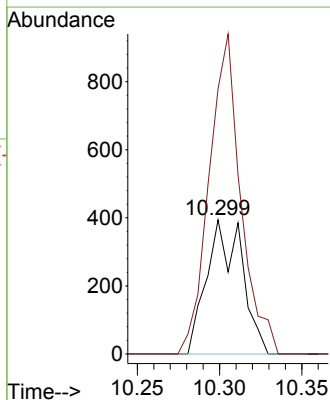
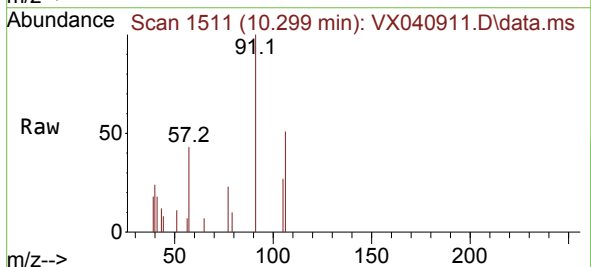
Instrument :
MSVOA_X
ClientSampleId :
TP3

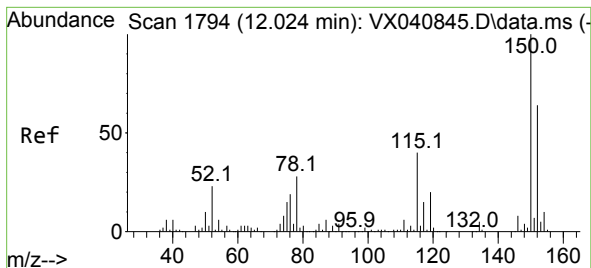
Tgt Ion:164 Resp: 117
Ion Ratio Lower Upper
164 100
166 74.8 102.7 154.1#
129 40.0 80.4 120.6#
131 0.0 76.5 114.7#



#68
m/p-Xylenes
Concen: 0.490 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040911.D
Acq: 05 Apr 2024 18:03

Tgt Ion:106 Resp: 586
Ion Ratio Lower Upper
106 100
91 214.7 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040911.D

Acq: 05 Apr 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

TP3

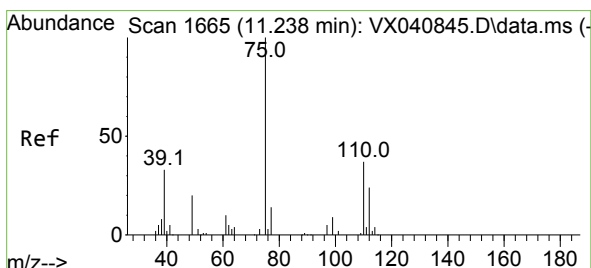
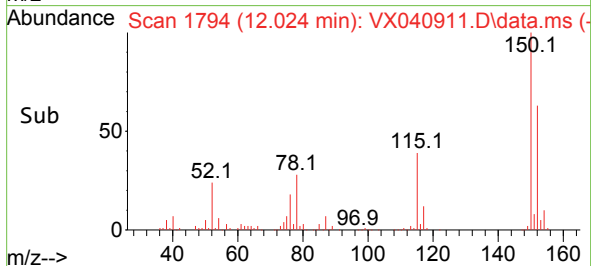
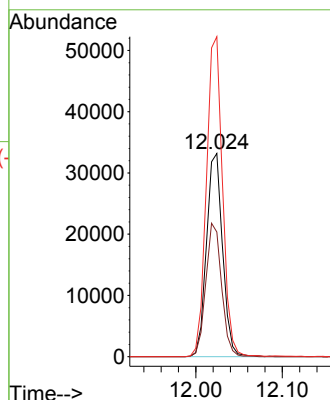
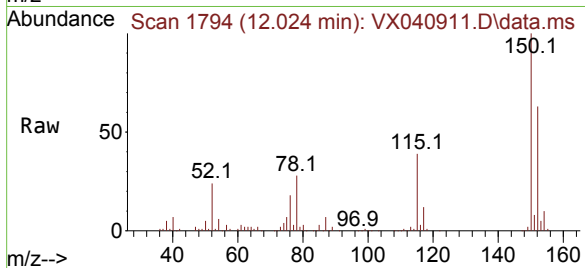
Tgt Ion:152 Resp: 42794

Ion Ratio Lower Upper

152 100

115 64.5 43.3 129.9

150 157.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 28.231 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040911.D

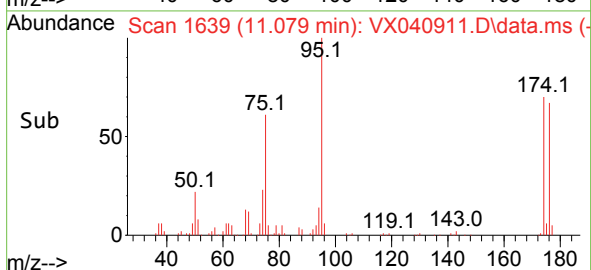
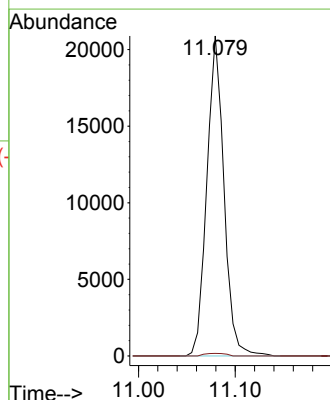
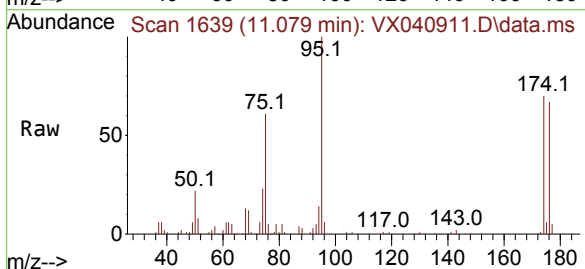
Acq: 05 Apr 2024 18:03

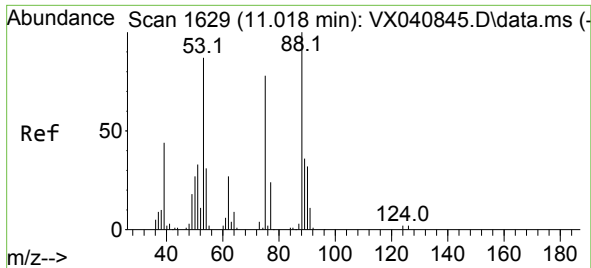
Tgt Ion: 75 Resp: 25762

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.168 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040911.D
 Acq: 05 Apr 2024 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 TP3

Tgt Ion: 75 Resp: 25762
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

