

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
 Data File : VX040910.D
 Acq On : 05 Apr 2024 17:40
 Operator : JC/MD
 Sample : P1996-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP2

Quant Time: Apr 05 23:25:05 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)

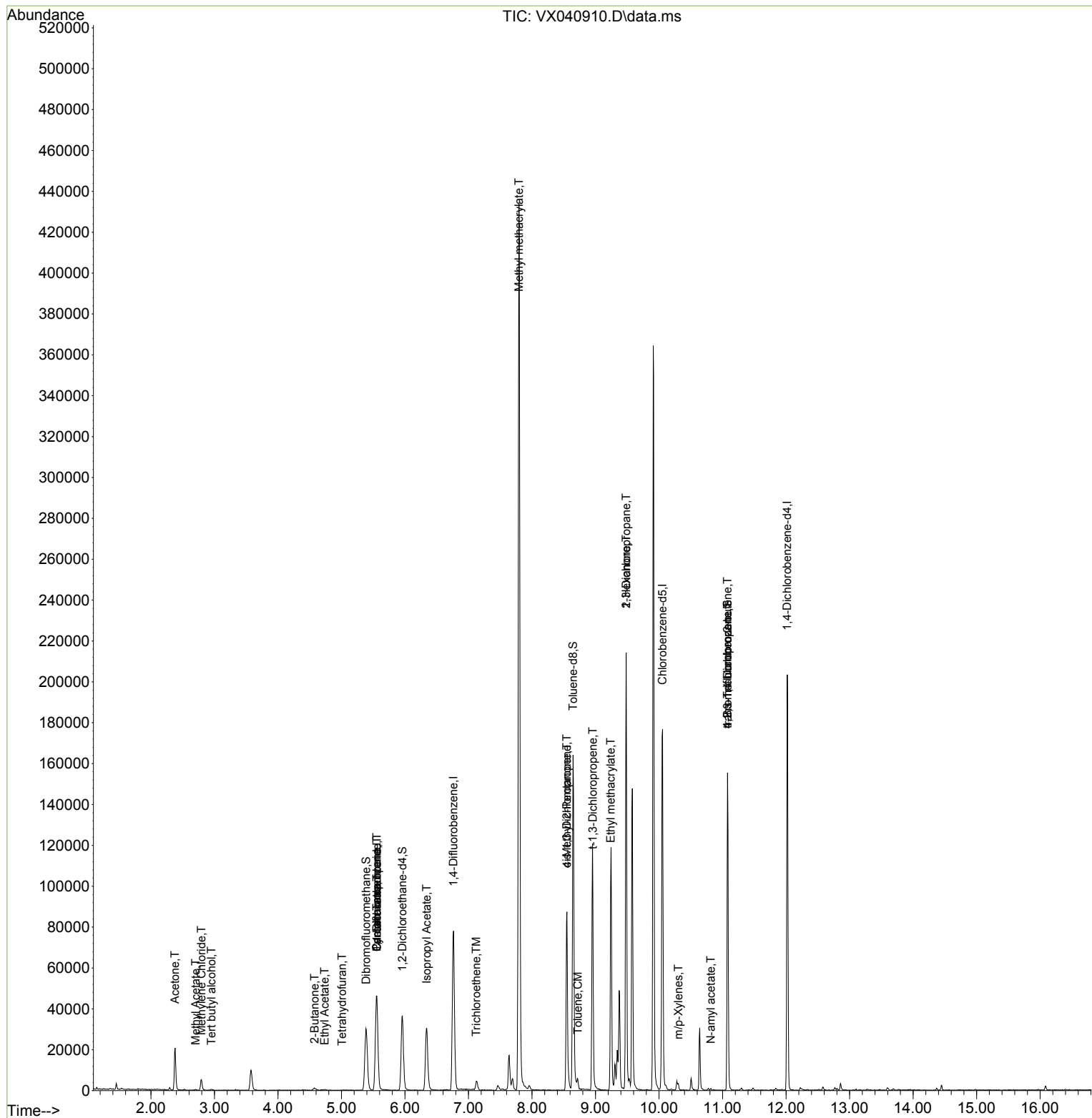
Internal Standards						
1) Pentafluorobenzene	5.556	168	41024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	74278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	75792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	38019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37053	50.338	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.680%	
35) Dibromofluoromethane	5.385	113	25750	48.944	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.880%	
50) Toluene-d8	8.647	98	96190	50.597	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	11.079	95	39750	52.358	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	515	3.832	ug/l #	78
16) Acetone	2.380	43	22205	77.690	ug/l	95
18) Methyl Acetate	2.703	43	534	0.788	ug/l #	71
20) Methylene Chloride	2.794	84	2383	4.499	ug/l	87
25) 2-Butanone	4.574	43	1942	4.574	ug/l	99
29) Tetrahydrofuran	5.007	42	60	0.217	ug/l #	34
31) Cyclohexane	5.556	56	1193	1.527	ug/l #	49
36) 1,1-Dichloropropene	5.556	75	3845	5.144	ug/l #	47
37) Ethyl Acetate	4.733	43	1089	1.186	ug/l #	69
38) Carbon Tetrachloride	5.556	117	4636	5.602	ug/l #	15
43) Isopropyl Acetate	6.342	43	44774	31.584	ug/l	96
44) Trichloroethene	7.123	130	1671	3.225	ug/l	88
48) Methyl methacrylate	7.793	41	41979	60.472	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	34088	36.252	ug/l #	49
52) Toluene	8.720	92	1504	1.149	ug/l	96
53) t-1,3-Dichloropropene	8.958	75	190	0.969	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	12709	15.175	ug/l #	65
56) Ethyl methacrylate	9.238	69	283	0.323	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1802	2.017	ug/l #	42
59) 2-Hexanone	9.482	43	26690	35.391	ug/l #	52
68) m/p-Xylenes	10.305	106	649	0.603	ug/l #	64
74) N-amyl acetate	10.817	43	270	0.201	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	23572	29.075	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23572	78.446	ug/l #	5

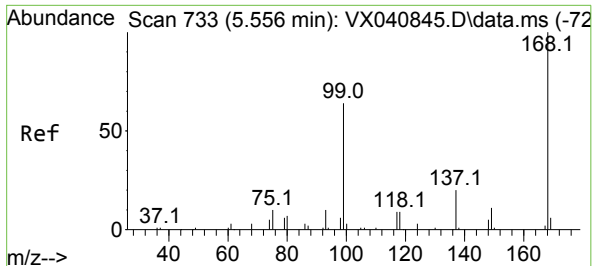
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

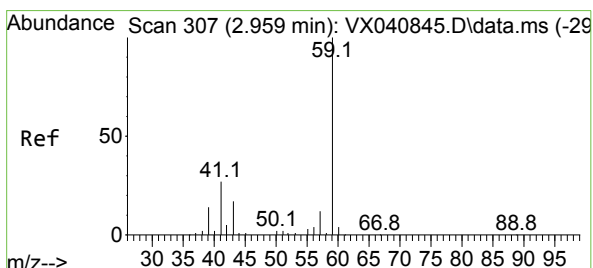
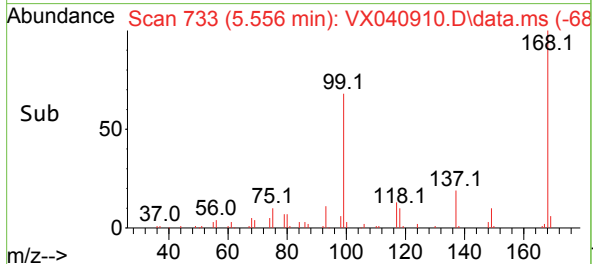
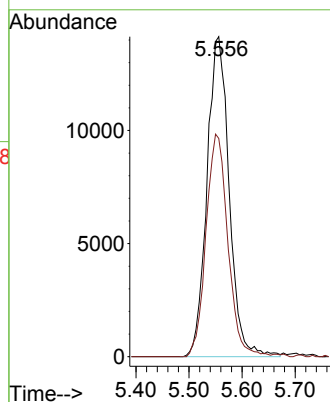
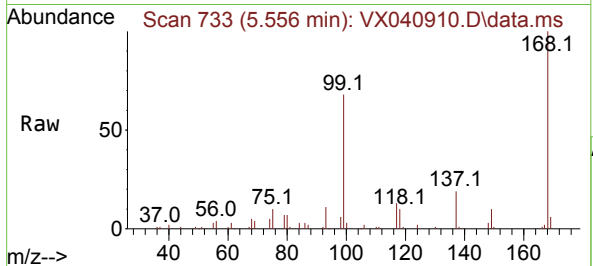




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

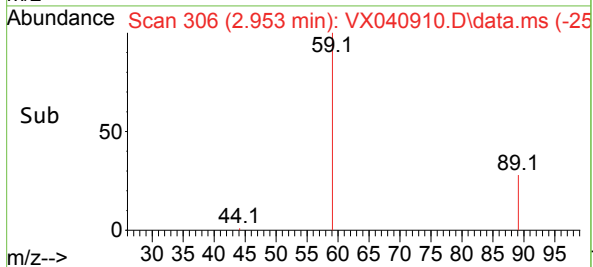
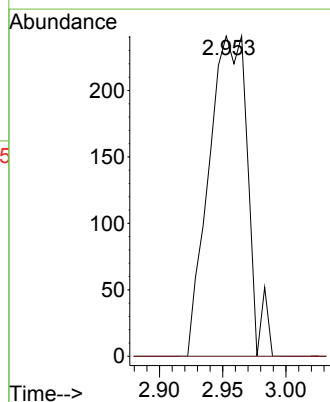
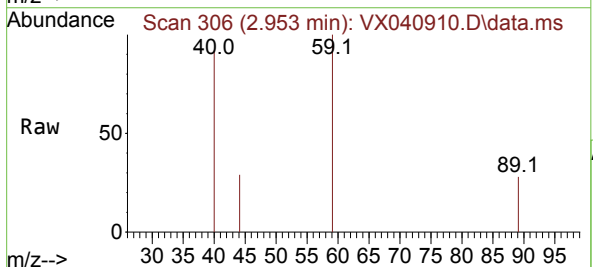
Instrument :
MSVOA_X
ClientSampleId :
TP2

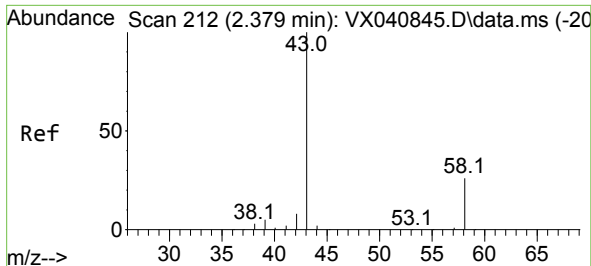
Tgt Ion:168 Resp: 41024
Ion Ratio Lower Upper
168 100
99 68.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.832 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

Tgt Ion: 59 Resp: 515
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

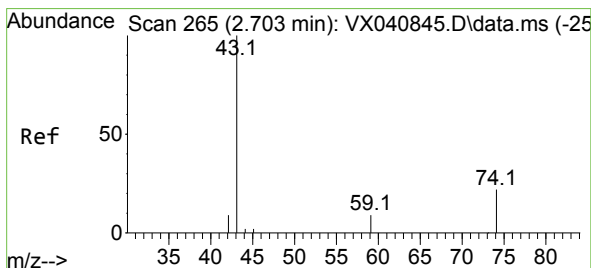
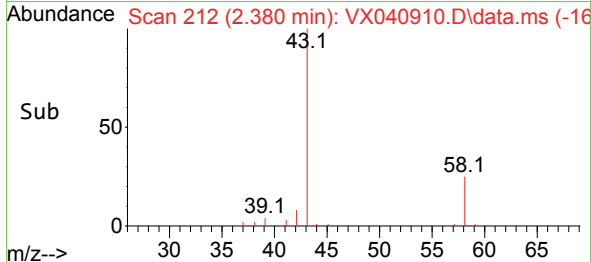
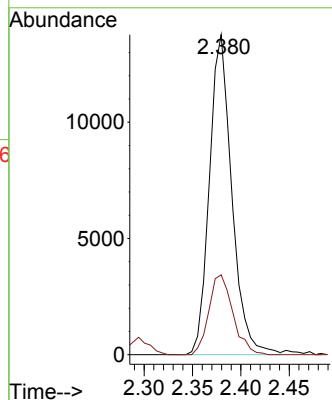
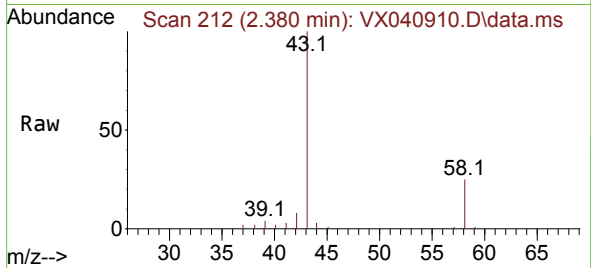




#16
Acetone
Concen: 77.690 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

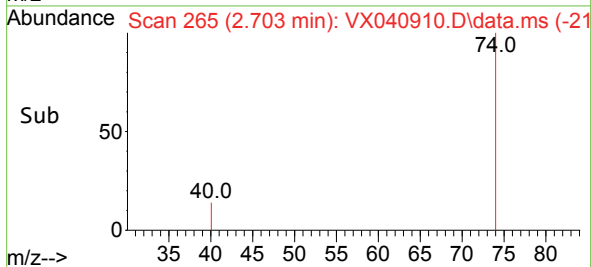
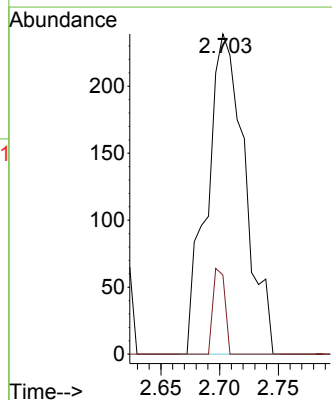
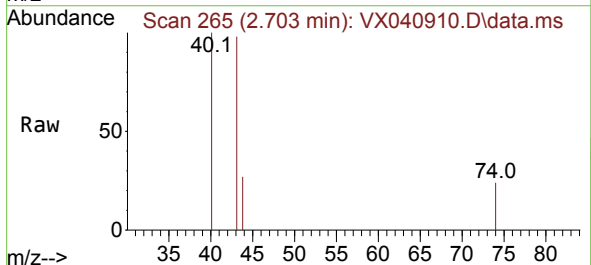
Instrument :
MSVOA_X
ClientSampleId :
TP2

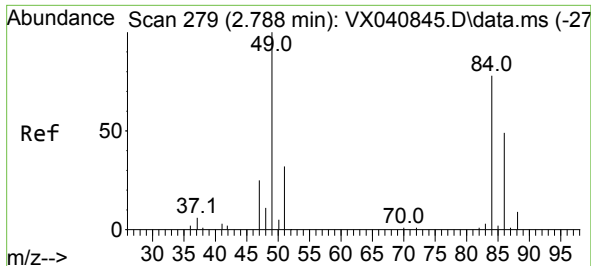
Tgt Ion: 43 Resp: 22205
Ion Ratio Lower Upper
43 100
58 25.0 21.9 32.9



#18
Methyl Acetate
Concen: 0.788 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
74 8.4 17.8 26.8#



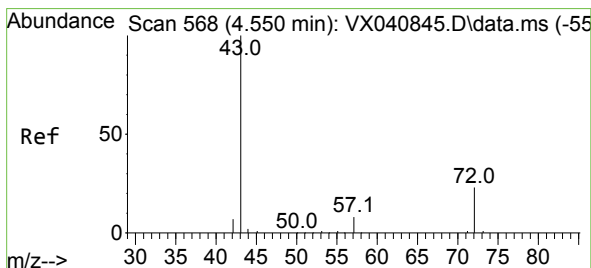
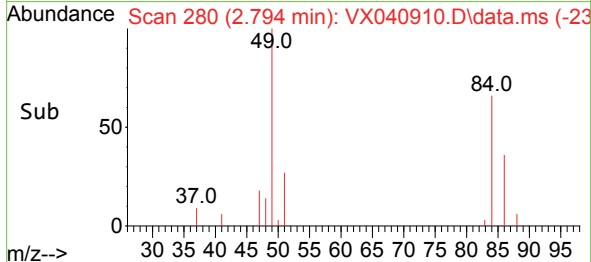
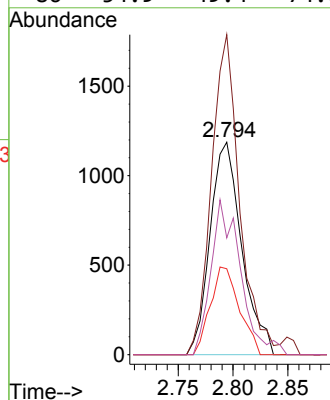
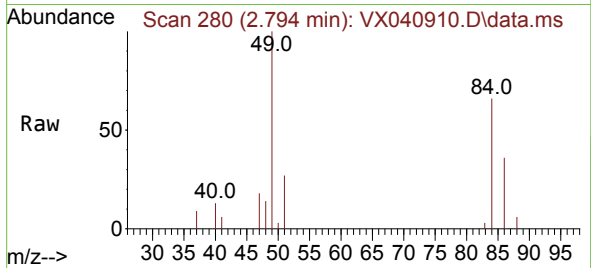


#20
Methylene Chloride
Concen: 4.499 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

Instrument :
MSVOA_X
ClientSampleId :
TP2

Tgt Ion: 84 Resp: 2383

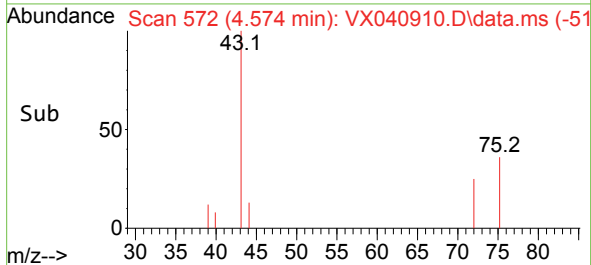
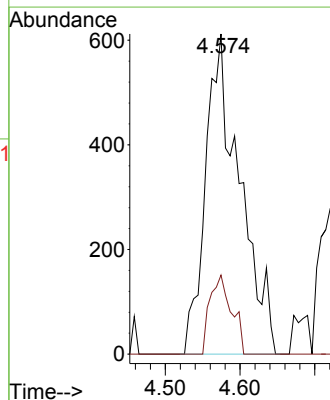
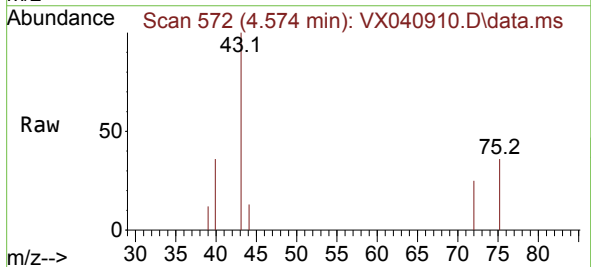
Ion	Ratio	Lower	Upper
84	100		
49	150.6	103.6	155.4
51	40.4	33.8	50.6
86	54.9	49.4	74.0

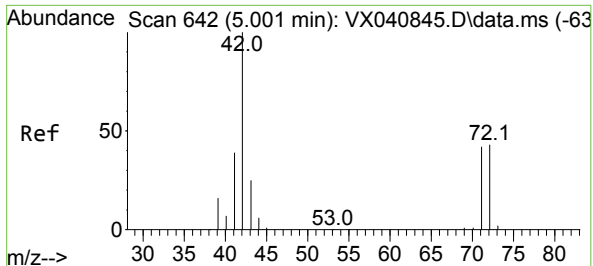


#25
2-Butanone
Concen: 4.574 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.025 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

Tgt Ion: 43 Resp: 1942

Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.217 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

Instrument :

MSVOA_X

ClientSampleId :

TP2

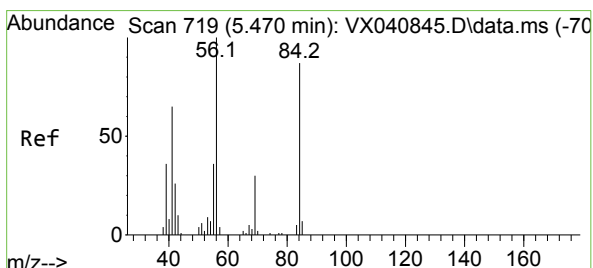
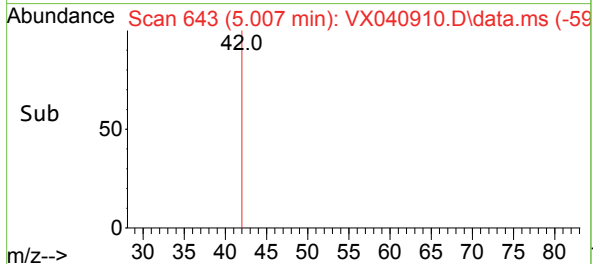
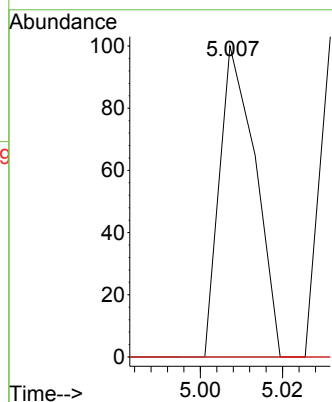
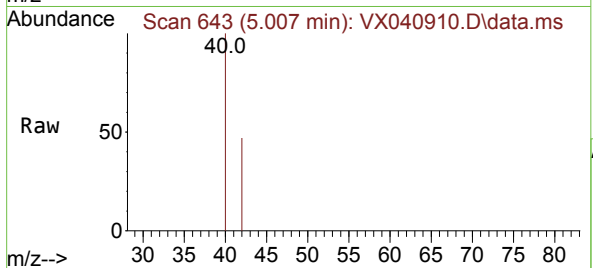
Tgt Ion: 42 Resp: 60

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: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

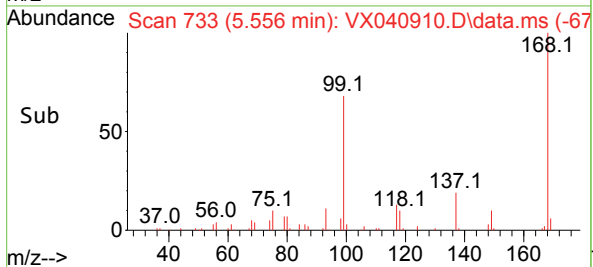
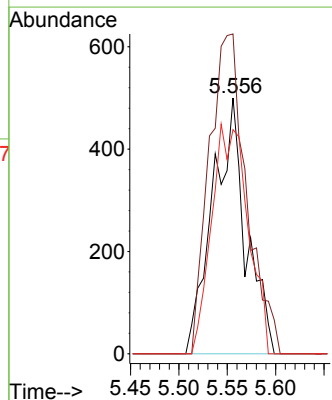
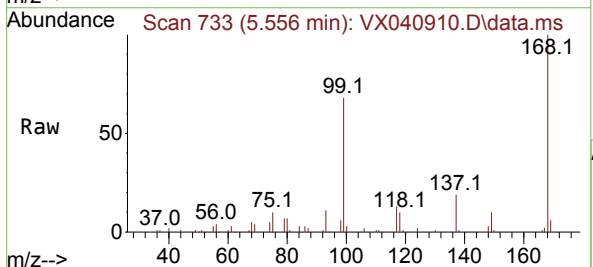
Tgt Ion: 56 Resp: 1193

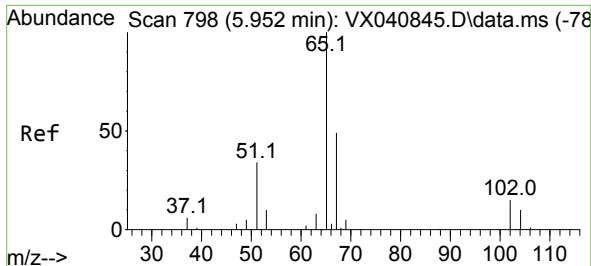
Ion Ratio Lower Upper

56 100

69 125.0 23.4 35.2#

84 87.6 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 50.338 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

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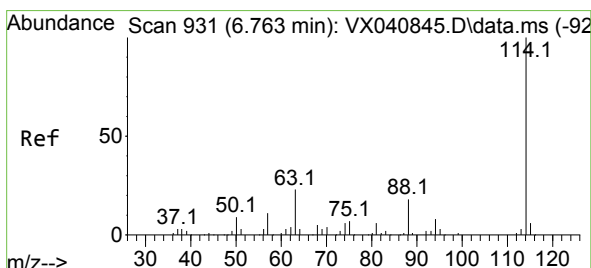
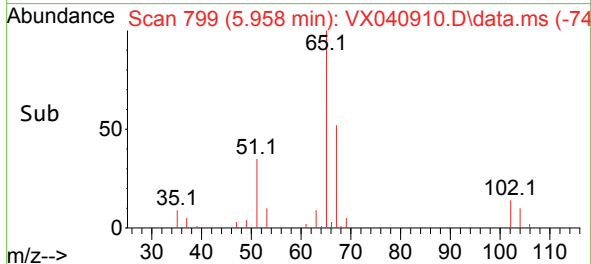
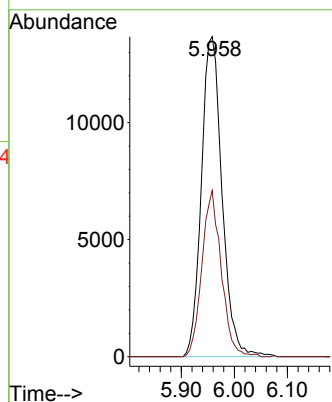
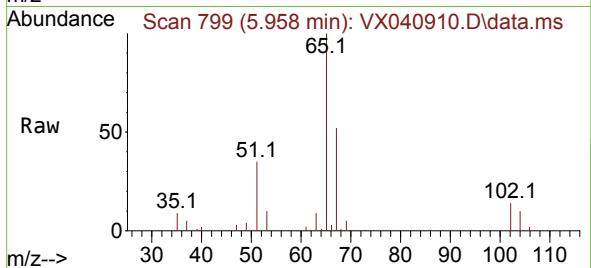
TP2

Tgt Ion: 65 Resp: 37053

Ion Ratio Lower Upper

65 100

67 48.5 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: VX040910.D

Acq: 05 Apr 2024 17:40

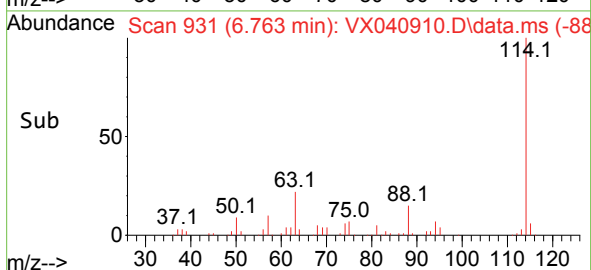
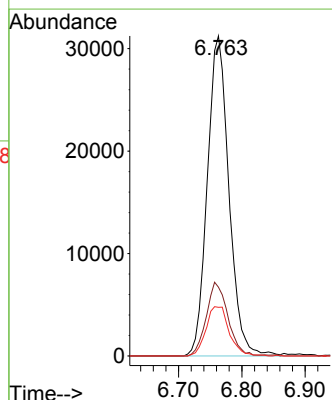
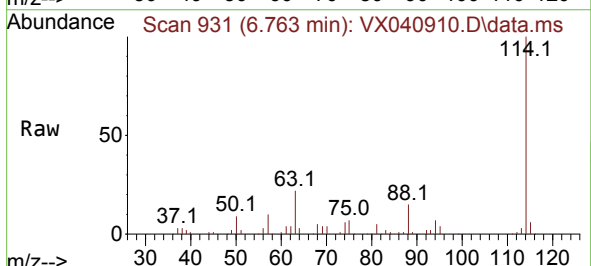
Tgt Ion: 114 Resp: 74278

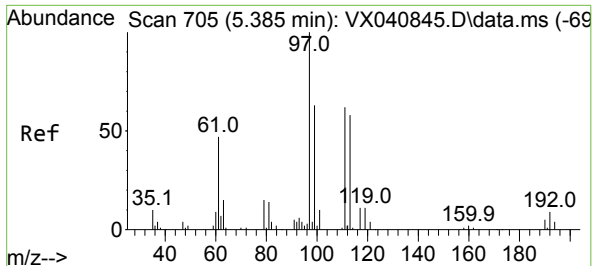
Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

88 15.2 0.0 36.6

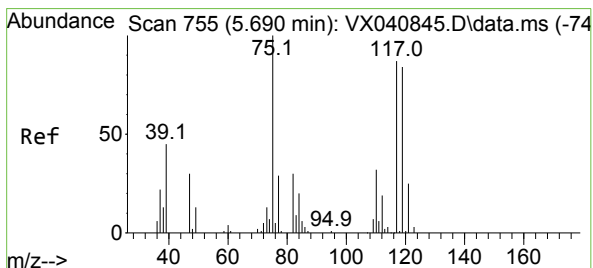
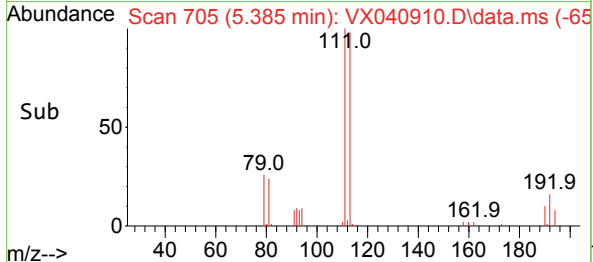
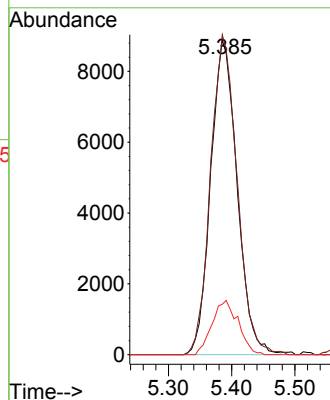
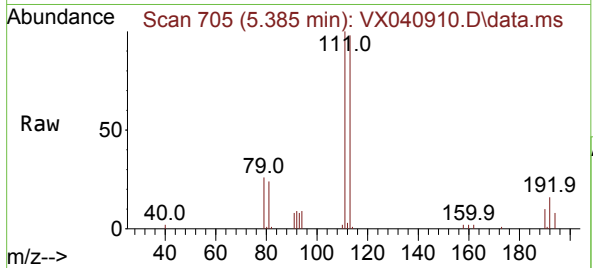




#35
Dibromofluoromethane
Concen: 48.944 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

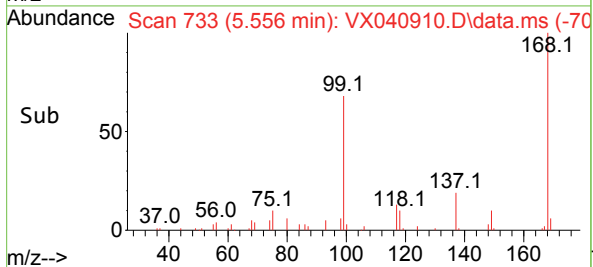
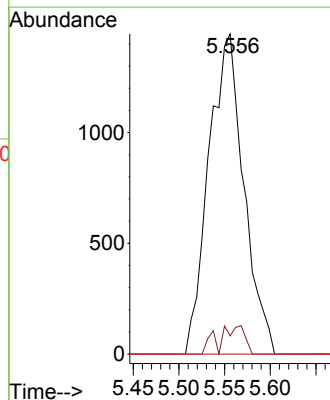
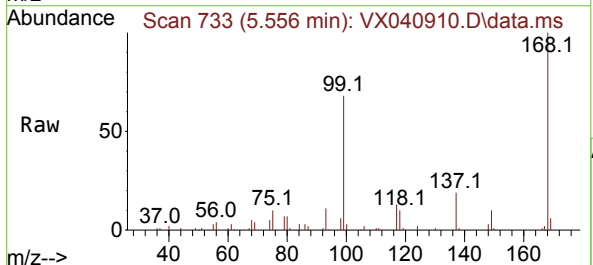
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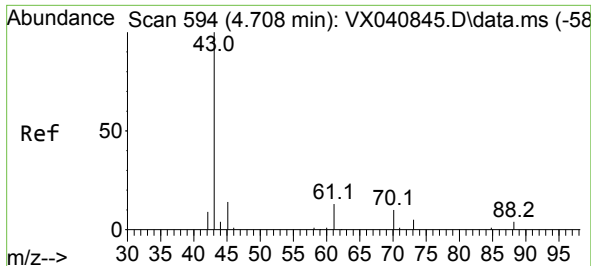
Tgt Ion:113 Resp: 25750
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 17.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.144 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

Tgt Ion: 75 Resp: 3845
Ion Ratio Lower Upper
75 100
110 4.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.186 ug/l

RT: 4.733 min Scan# 594

Delta R.T. 0.025 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

Instrument :

MSVOA_X

ClientSampleId :

TP2

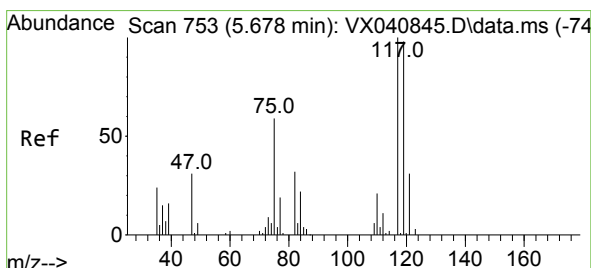
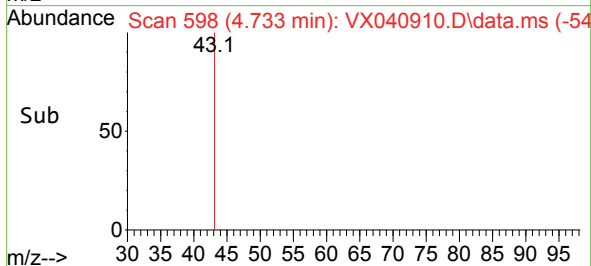
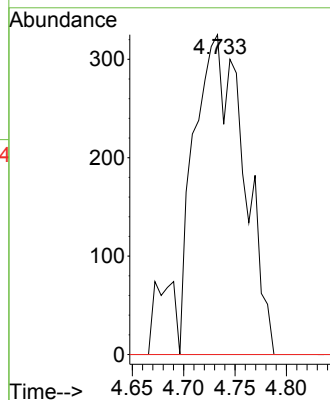
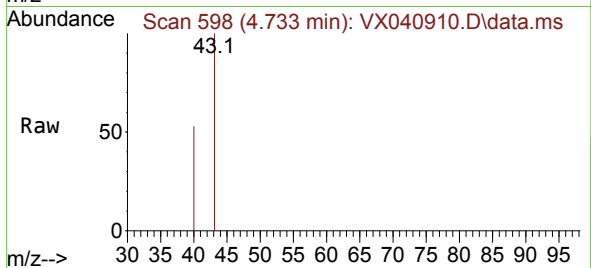
Tgt Ion: 43 Resp: 1089

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.602 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

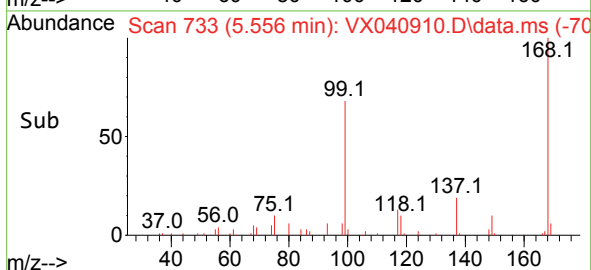
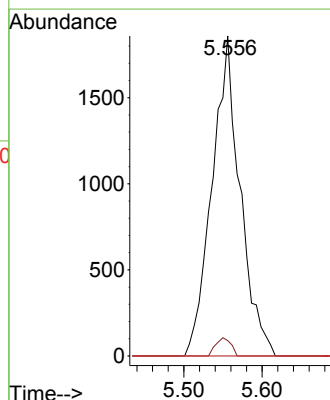
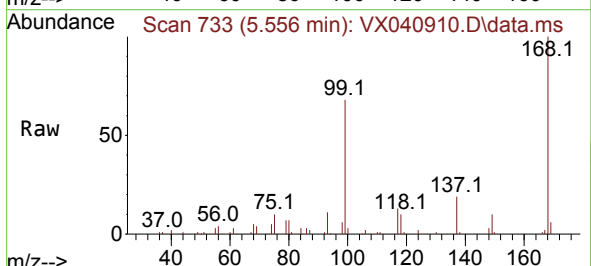
Tgt Ion: 117 Resp: 4636

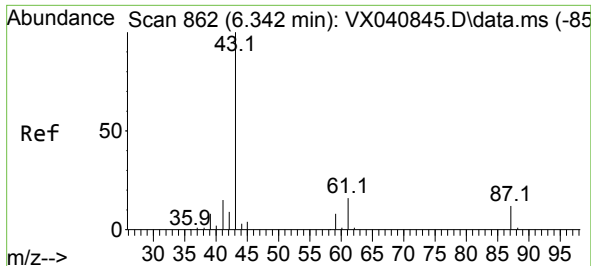
Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#

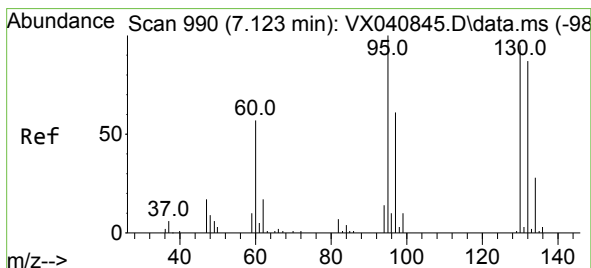
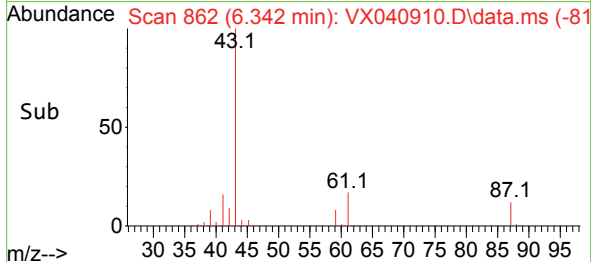
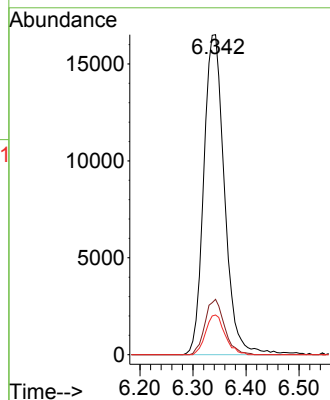
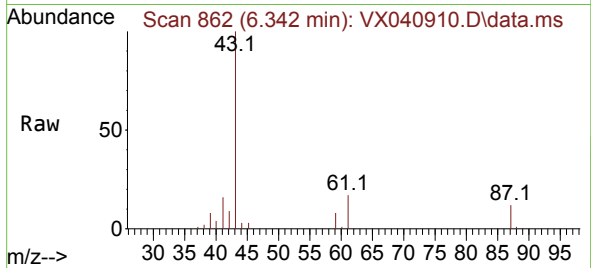




#43
Isopropyl Acetate
Concen: 31.584 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

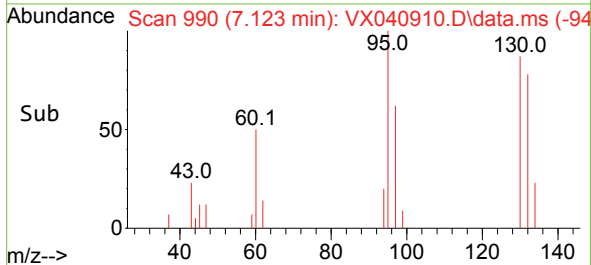
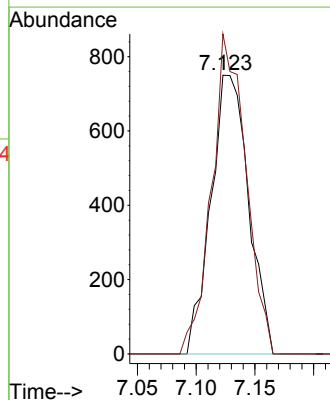
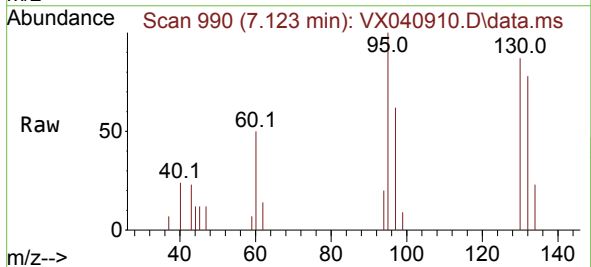
Instrument :
MSVOA_X
ClientSampleId :
TP2

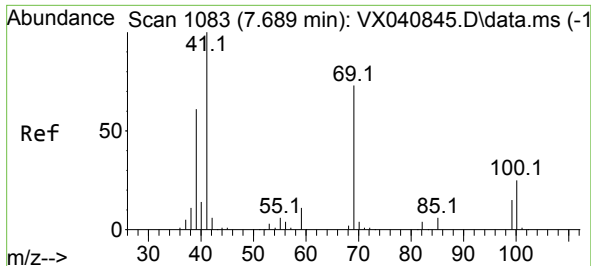
Tgt Ion: 43	Resp: 44774		
Ion Ratio	Lower	Upper	
43	100		
61	16.4	15.2	22.8
87	11.6	9.8	14.6



#44
Trichloroethene
Concen: 3.225 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

Tgt Ion:130	Resp:	1671	
Ion	Ratio	Lower	Upper
130	100		
95	114.8	0.0	204.4





#48

Methyl methacrylate

Concen: 60.472 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

Instrument :

MSVOA_X

ClientSampleId :

TP2

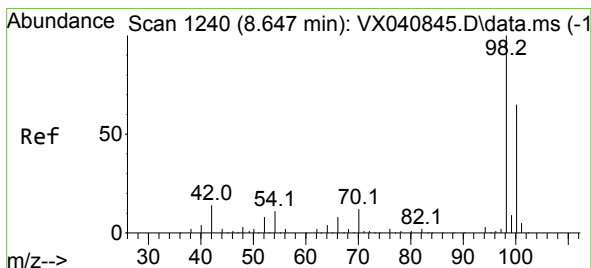
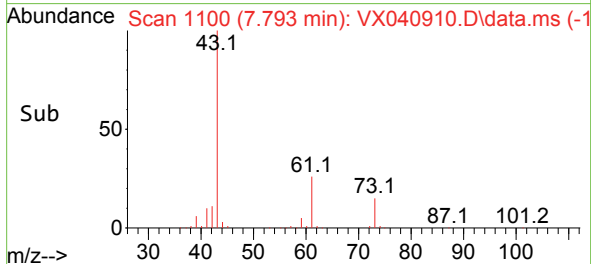
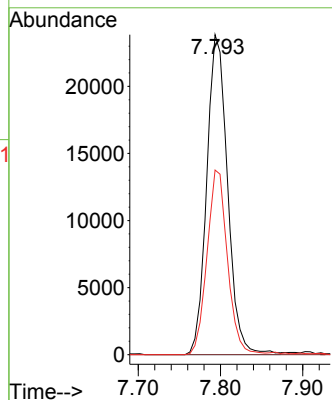
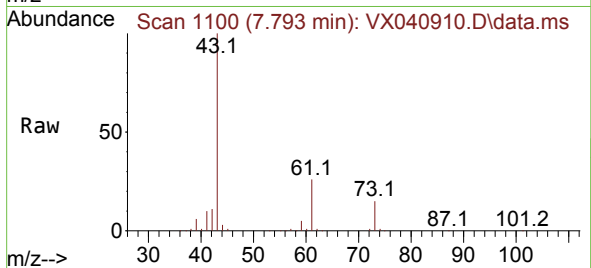
Tgt Ion: 41 Resp: 41979

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 56.6 47.7 71.5



#50

Toluene-d8

Concen: 50.597 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX040910.D

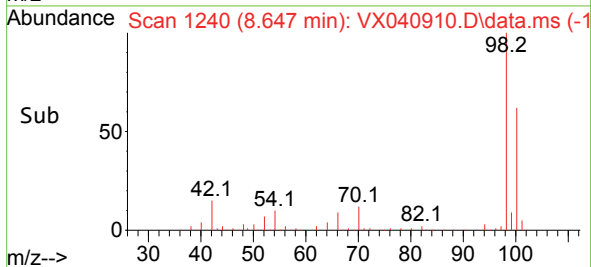
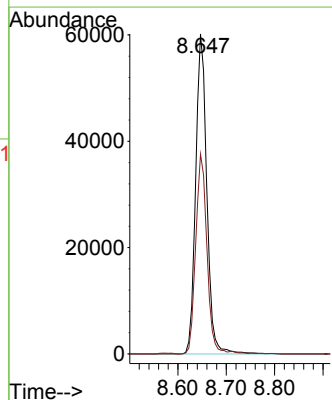
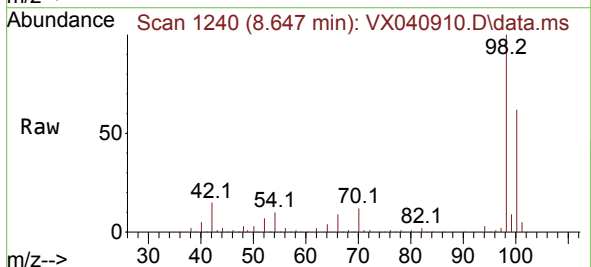
Acq: 05 Apr 2024 17:40

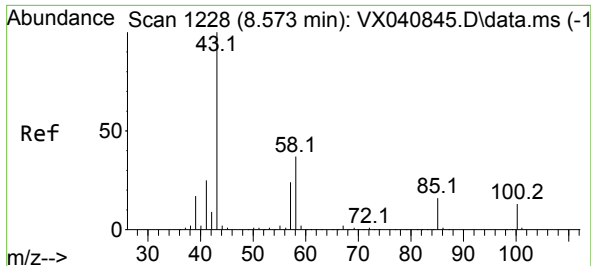
Tgt Ion: 98 Resp: 96190

Ion Ratio Lower Upper

98 100

100 63.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 36.252 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

Instrument :

MSVOA_X

ClientSampleId :

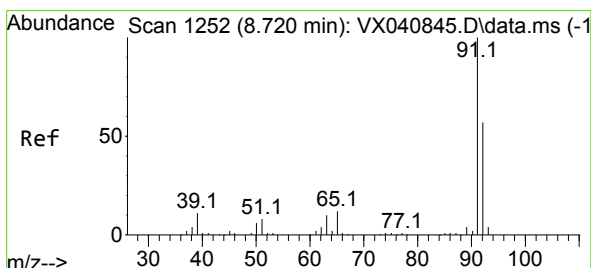
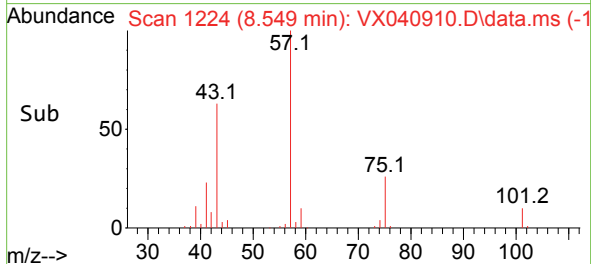
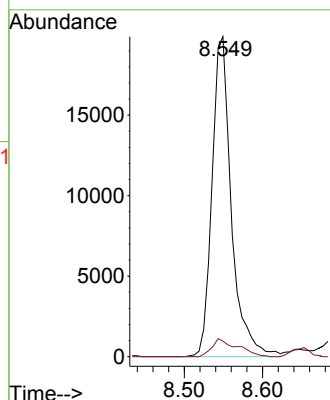
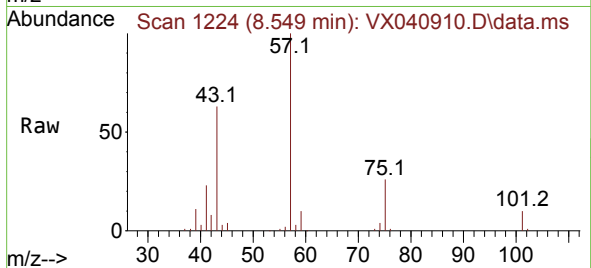
TP2

Tgt Ion: 43 Resp: 34088

Ion Ratio Lower Upper

43 100

58 7.4 30.4 45.6#



#52

Toluene

Concen: 1.149 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX040910.D

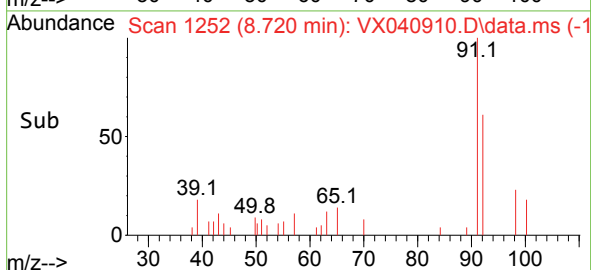
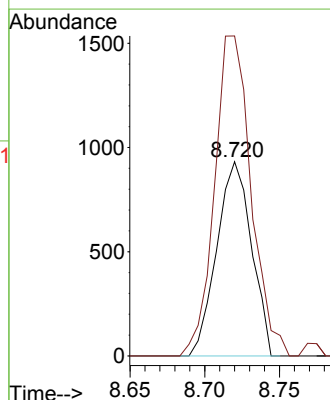
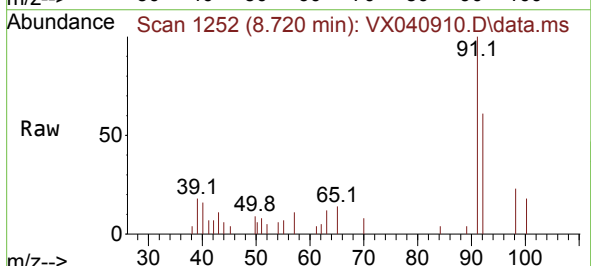
Acq: 05 Apr 2024 17:40

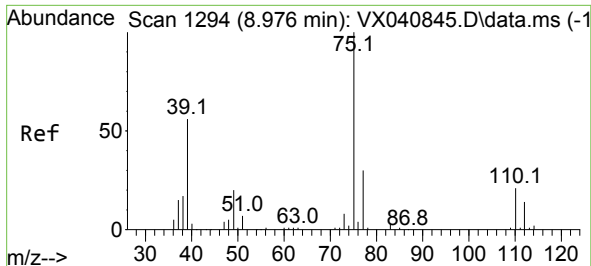
Tgt Ion: 92 Resp: 1504

Ion Ratio Lower Upper

92 100

91 173.5 134.2 201.2

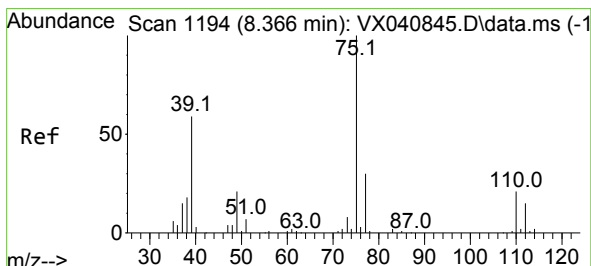
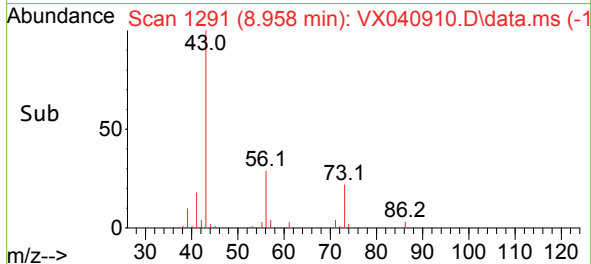
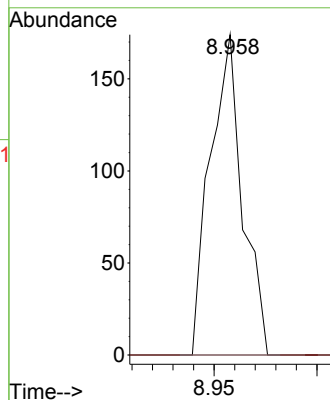
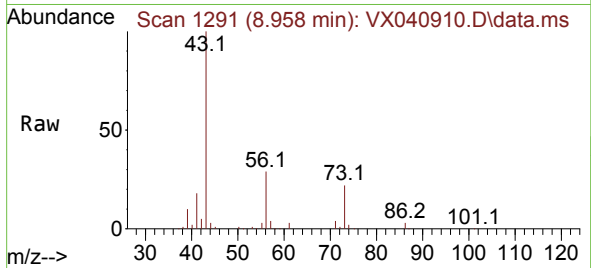




#53
 t-1,3-Dichloropropene
 Concen: 0.969 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX040910.D
 Acq: 05 Apr 2024 17:40

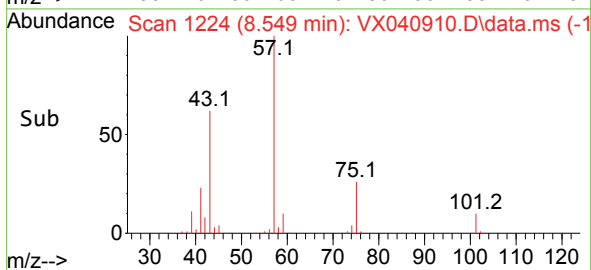
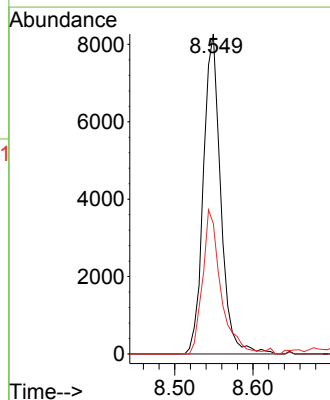
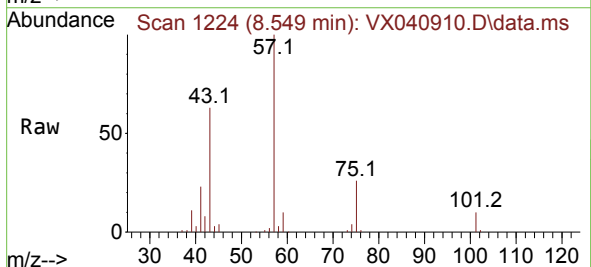
Instrument :
 MSVOA_X
 ClientSampleId :
 TP2

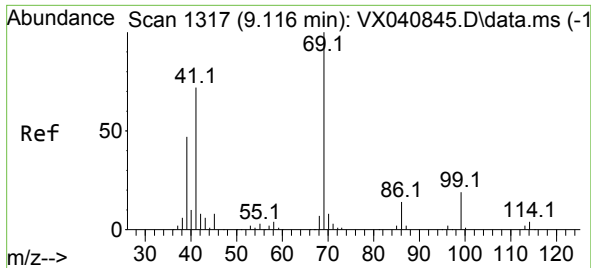
Tgt Ion: 75 Resp: 190
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 15.175 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040910.D
 Acq: 05 Apr 2024 17:40

Tgt Ion: 75 Resp: 12709
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 40.8 46.7 70.1#

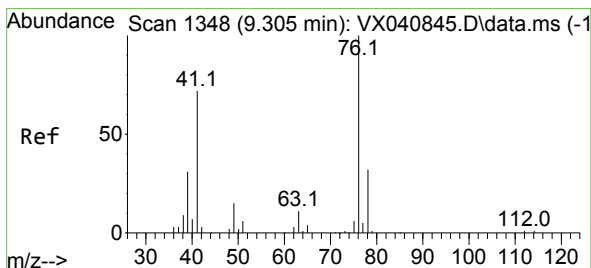
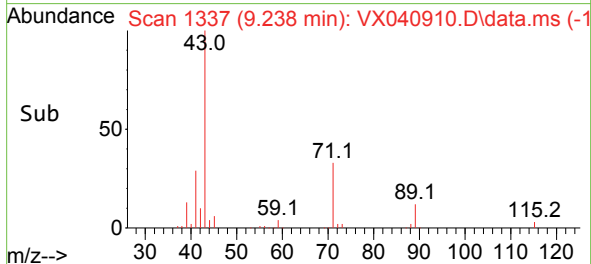
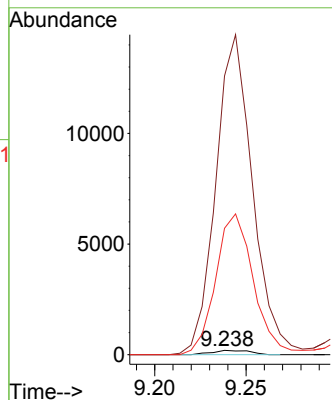
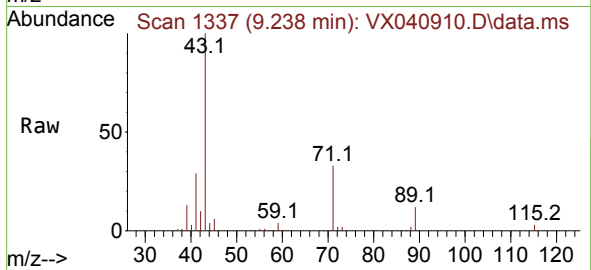




#56
Ethyl methacrylate
Concen: 0.323 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

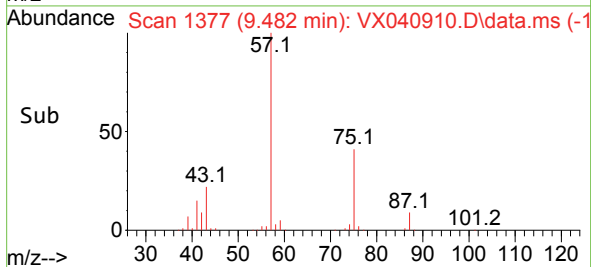
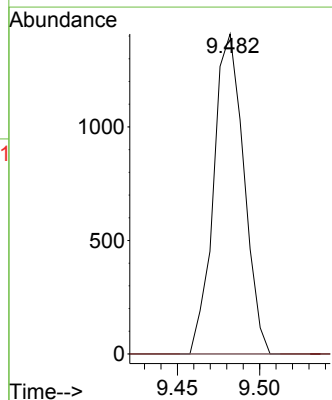
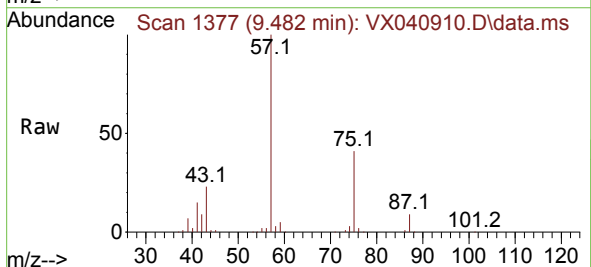
Instrument :
MSVOA_X
ClientSampleId :
TP2

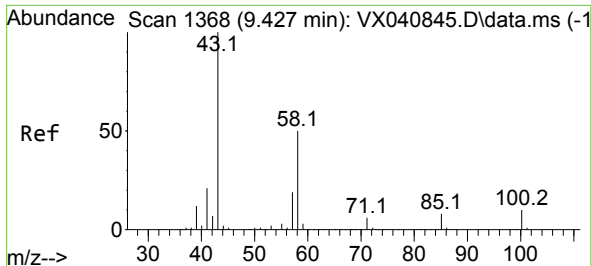
Tgt Ion: 69 Resp: 283
Ion Ratio Lower Upper
69 100
41 7181.3 56.8 85.2#
39 3248.1 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 2.017 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040910.D
Acq: 05 Apr 2024 17:40

Tgt Ion: 76 Resp: 1802
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 35.391 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

Instrument :

MSVOA_X

ClientSampleId :

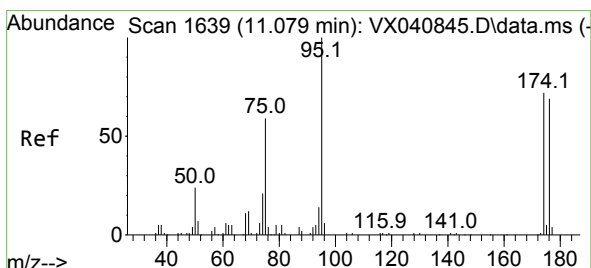
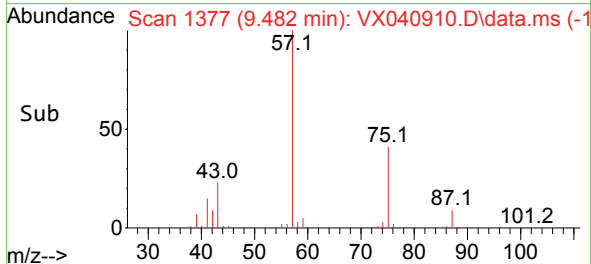
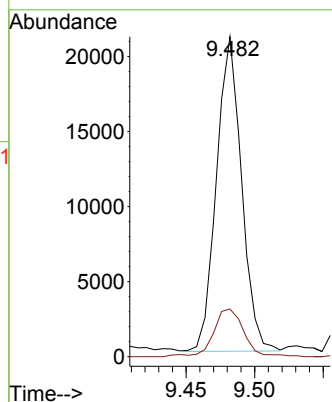
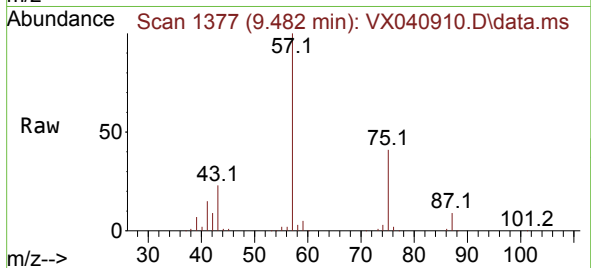
TP2

Tgt Ion: 43 Resp: 26690

Ion Ratio Lower Upper

43 100

58 18.3 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 52.358 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

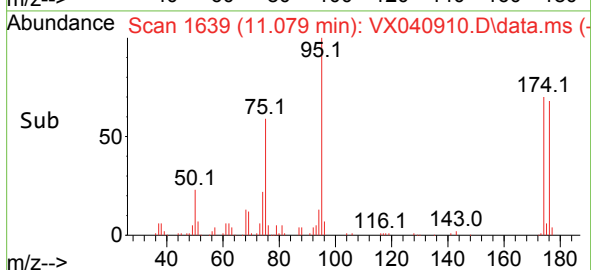
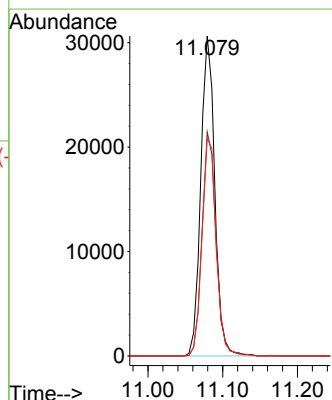
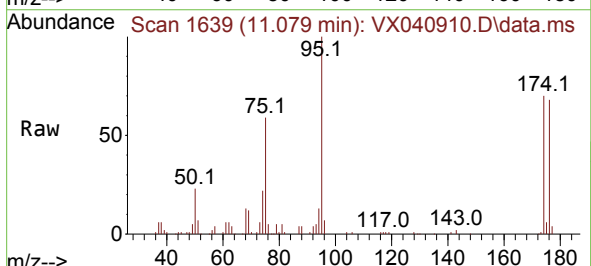
Tgt Ion: 95 Resp: 39750

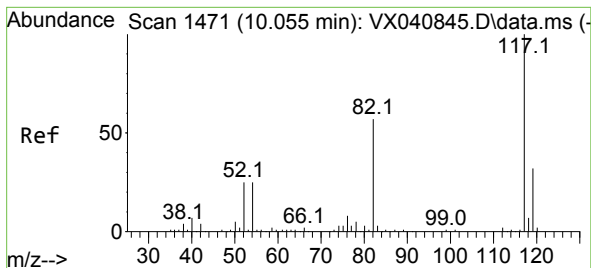
Ion Ratio Lower Upper

95 100

174 70.1 0.0 135.6

176 68.8 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: VX040910.D

Acq: 05 Apr 2024 17:40

Instrument :

MSVOA_X

ClientSampleId :

TP2

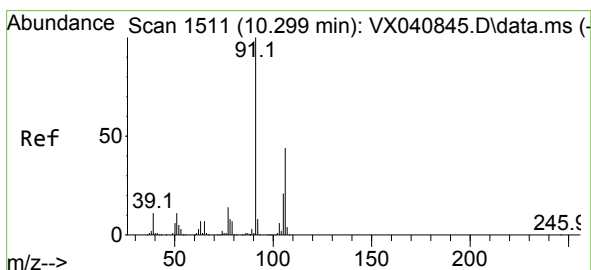
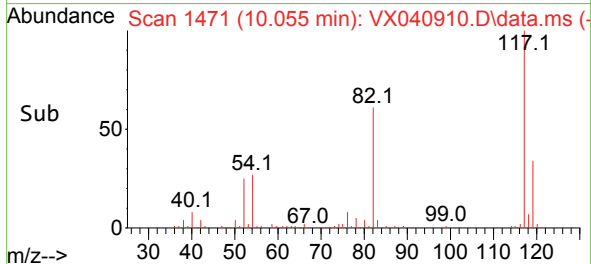
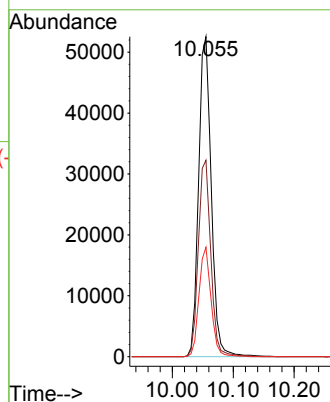
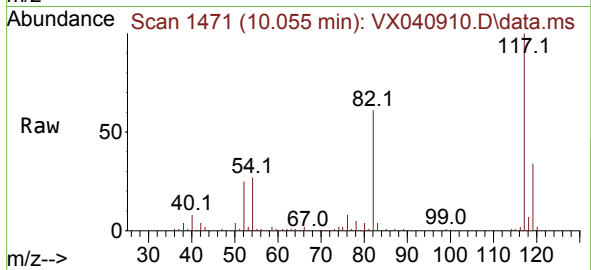
Tgt Ion:117 Resp: 75792

Ion Ratio Lower Upper

117 100

82 61.4 46.2 69.4

119 34.2 25.5 38.3



#68

m/p-Xylenes

Concen: 0.603 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX040910.D

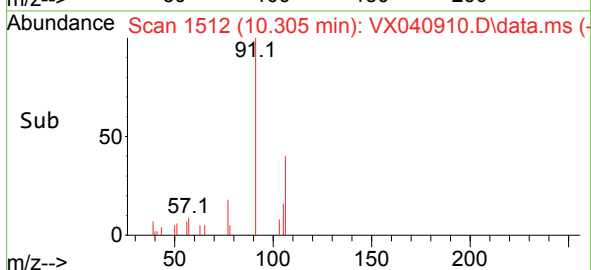
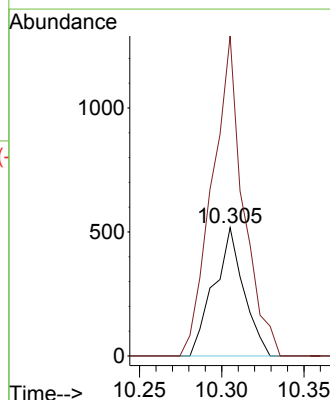
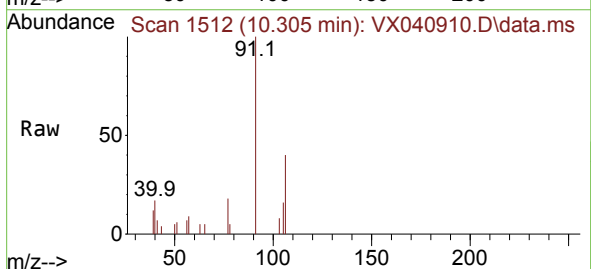
Acq: 05 Apr 2024 17:40

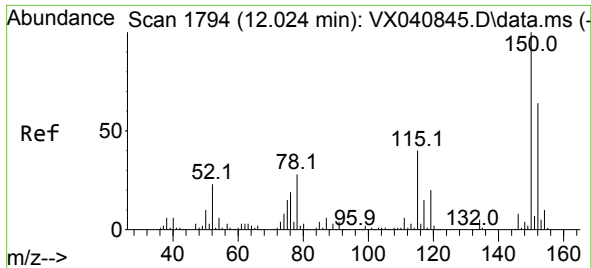
Tgt Ion:106 Resp: 649

Ion Ratio Lower Upper

106 100

91 261.9 165.5 248.3#

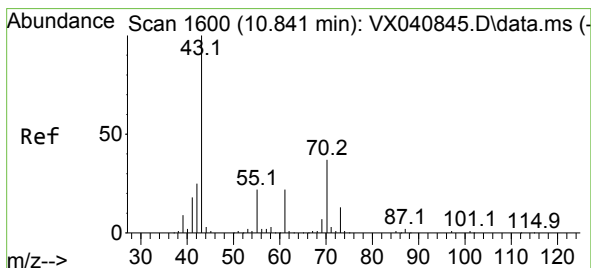
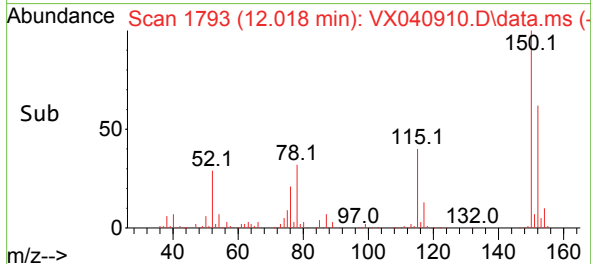
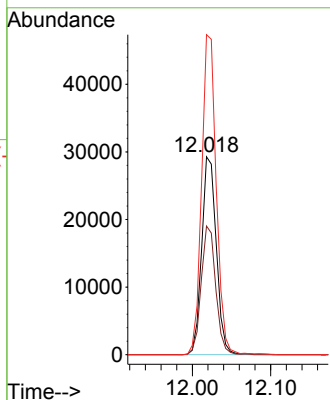
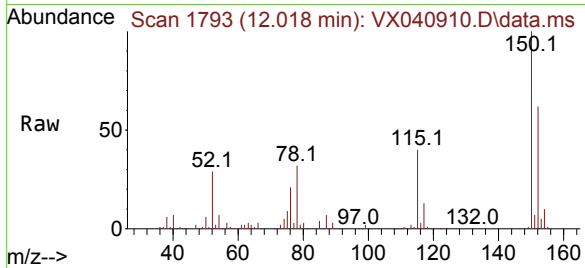




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: VX040910.D
 Acq: 05 Apr 2024 17:40

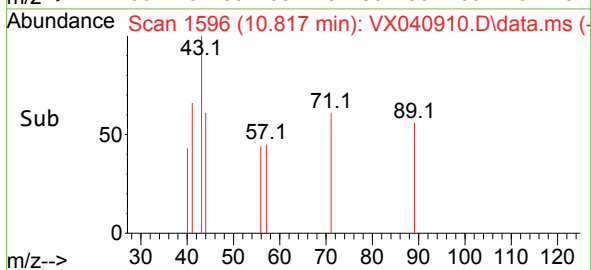
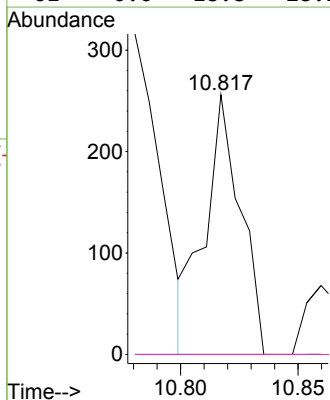
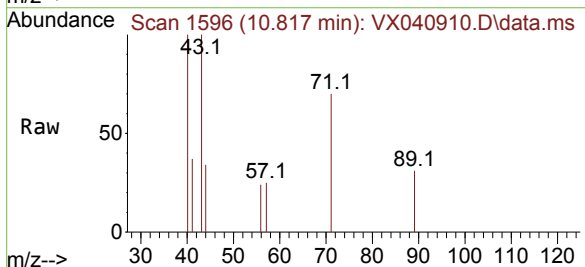
Instrument :
 MSVOA_X
 ClientSampleId :
 TP2

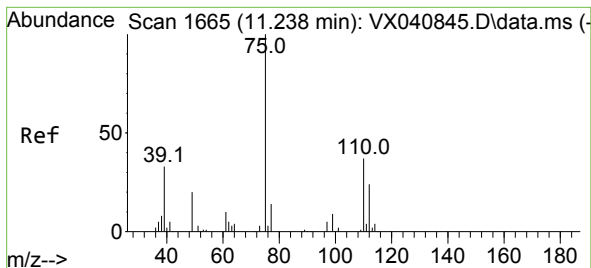
Tgt Ion:152 Resp: 38019
 Ion Ratio Lower Upper
 152 100
 115 64.5 43.3 129.9
 150 161.7 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.201 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX040910.D
 Acq: 05 Apr 2024 17:40

Tgt Ion: 43 Resp: 270
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 0.0 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 29.075 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

Instrument :

MSVOA_X

ClientSampleId :

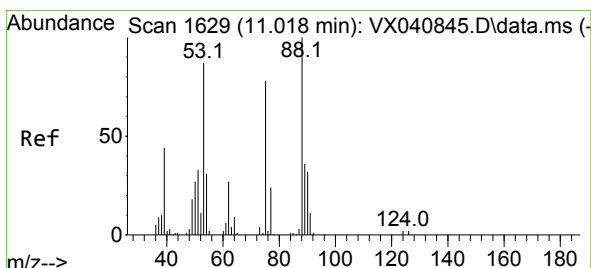
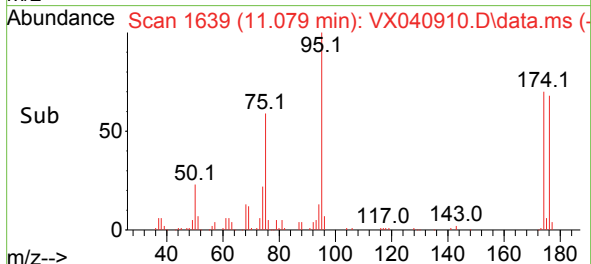
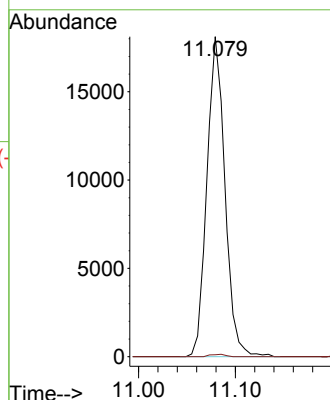
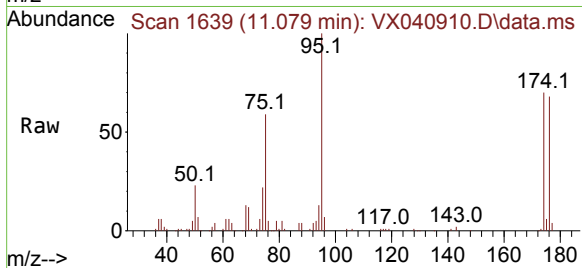
TP2

Tgt Ion: 75 Resp: 23572

Ion Ratio Lower Upper

75 100

77 0.6 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.446 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040910.D

Acq: 05 Apr 2024 17:40

Tgt Ion: 75 Resp: 23572

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

