

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021524\
 Data File : VX040259.D
 Acq On : 15 Feb 2024 17:54
 Operator : JC/MD
 Sample : P1461-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: Feb 16 00:53:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

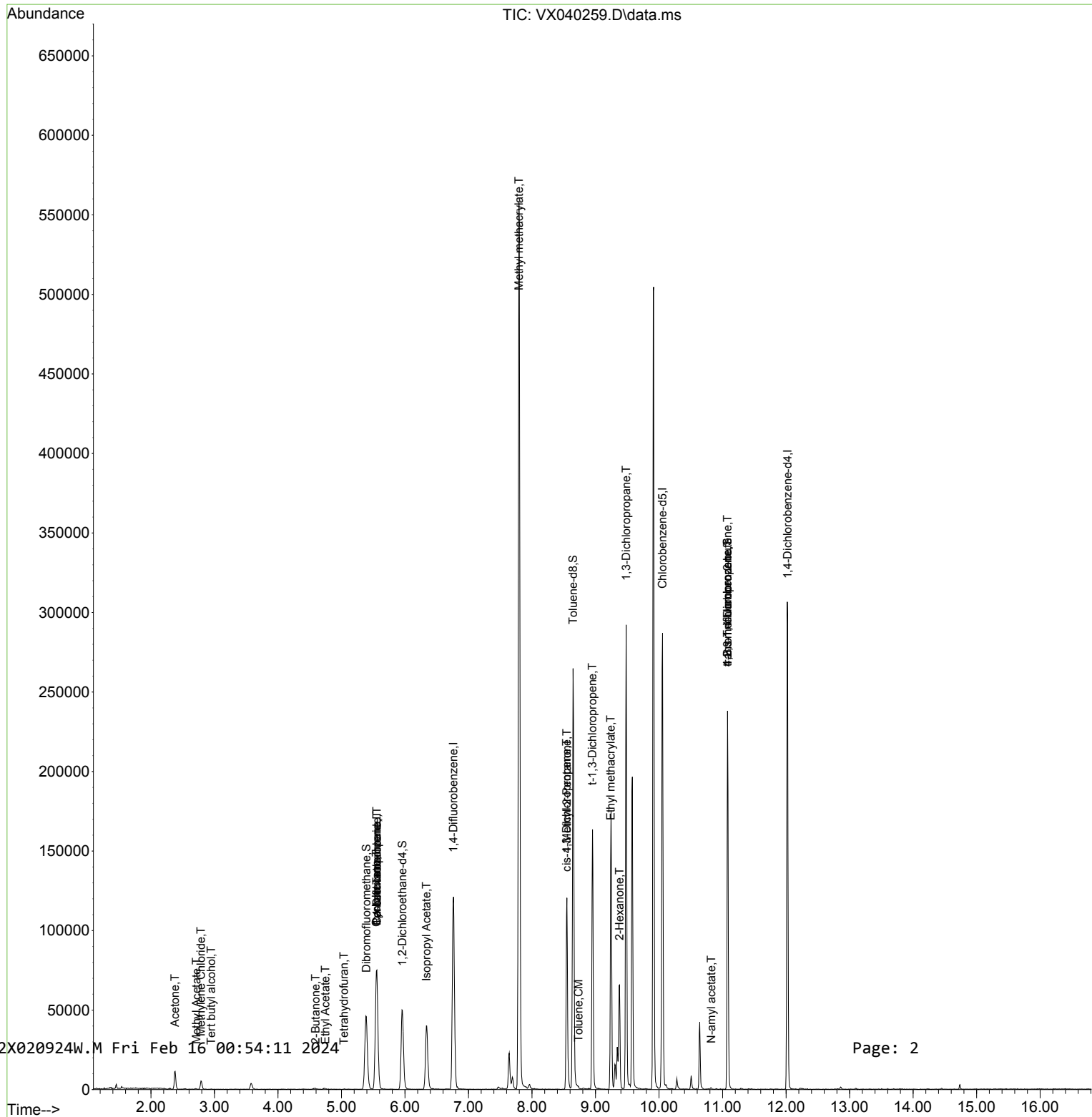
Internal Standards						
1) Pentafluorobenzene	5.556	168	73005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	124348	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48090	44.278	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.560%
35) Dibromofluoromethane	5.391	113	40279	46.384	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.760%
50) Toluene-d8	8.647	98	152936	47.081	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.160%
62) 4-Bromofluorobenzene	11.079	95	60946	46.004	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	253	1.196	ug/l #	78
16) Acetone	2.379	43	12408	27.816	ug/l	95
18) Methyl Acetate	2.715	43	584	0.488	ug/l #	53
20) Methylene Chloride	2.788	84	2698	1.686	ug/l	96
25) 2-Butanone	4.592	43	984	1.411	ug/l #	51
29) Tetrahydrofuran	5.038	42	111	0.244	ug/l #	80
31) Cyclohexane	5.550	56	1798	1.388	ug/l #	69
36) 1,1-Dichloropropene	5.556	75	5828	4.791	ug/l #	52
37) Ethyl Acetate	4.745	43	1418	1.048	ug/l #	71
38) Carbon Tetrachloride	5.556	117	7330	6.338	ug/l #	16
43) Isopropyl Acetate	6.336	43	55028	26.043	ug/l	98
48) Methyl methacrylate	7.793	41	48240	44.619	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	41937	29.070	ug/l #	51
52) Toluene	8.732	92	461	0.207	ug/l	95
53) t-1,3-Dichloropropene	8.951	75	263	2.126	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	18105	12.857	ug/l #	60
56) Ethyl methacrylate	9.238	69	331	0.233	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2662	1.716	ug/l #	42
59) 2-Hexanone	9.378	43	51220	44.782	ug/l #	26
74) N-amyl acetate	10.823	43	476	0.254	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	32365	25.749	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	32365	70.723	ug/l #	5

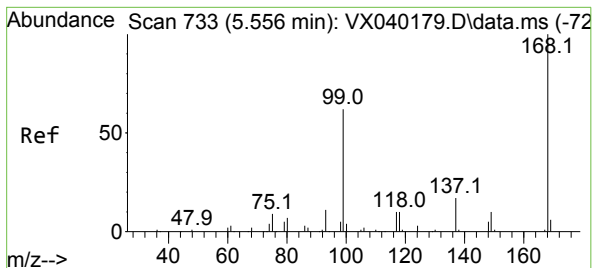
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 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: VX040259.D

Acq: 15 Feb 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

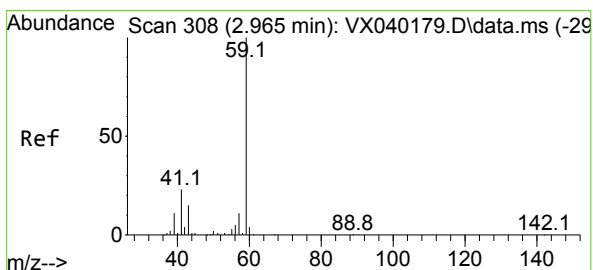
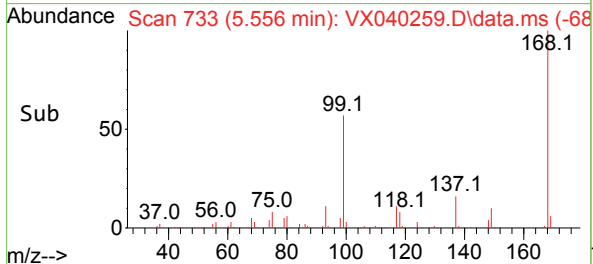
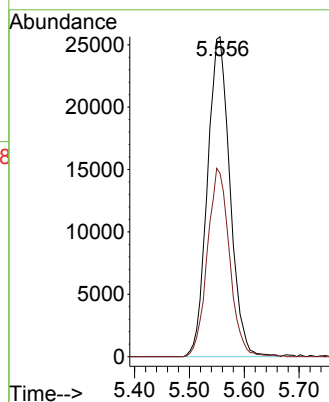
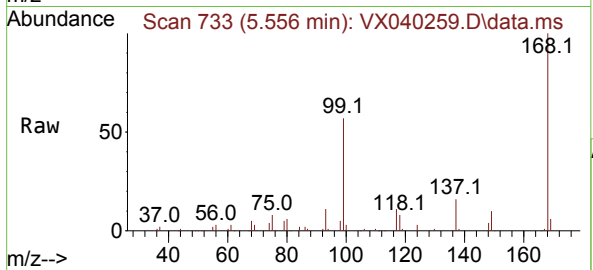
TP-1

Tgt Ion:168 Resp: 73005

Ion Ratio Lower Upper

168 100

99 57.3 56.6 85.0



#11

Tert butyl alcohol

Concen: 1.196 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX040259.D

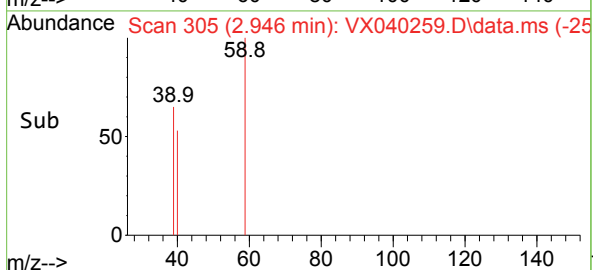
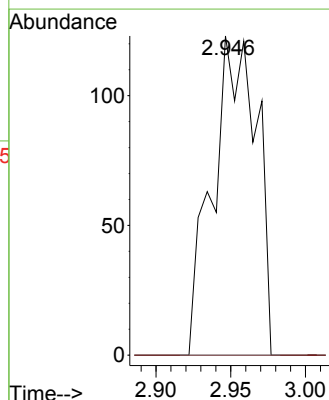
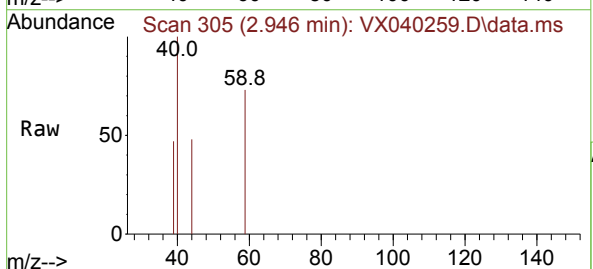
Acq: 15 Feb 2024 17:54

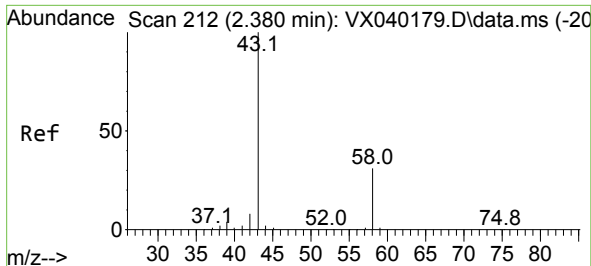
Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#16

Acetone

Concen: 27.816 ug/l

RT: 2.379 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

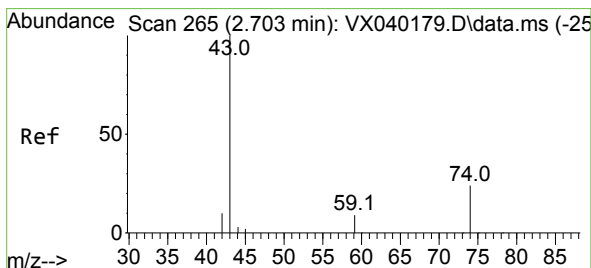
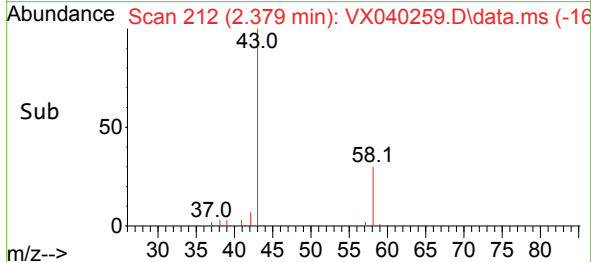
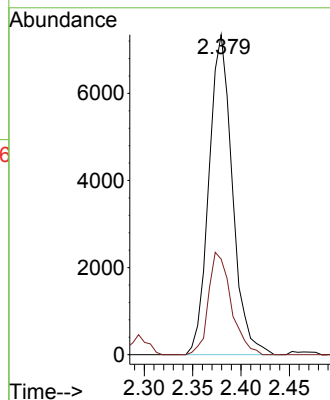
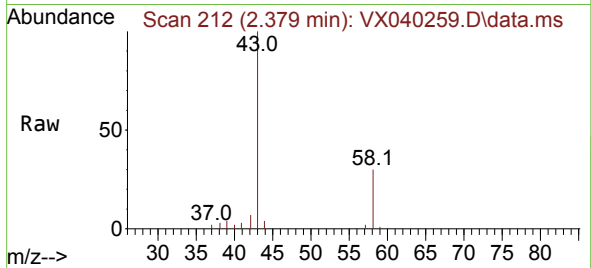
TP-1

Tgt Ion: 43 Resp: 12408

Ion Ratio Lower Upper

43 100

58 29.8 21.9 32.9



#18

Methyl Acetate

Concen: 0.488 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.012 min

Lab File: VX040259.D

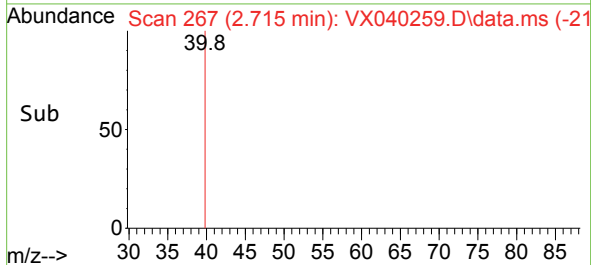
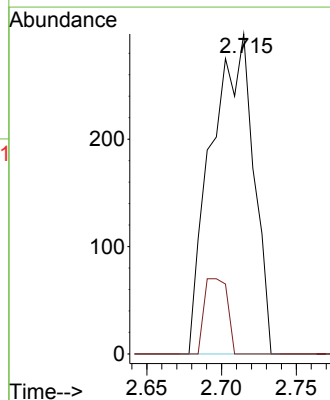
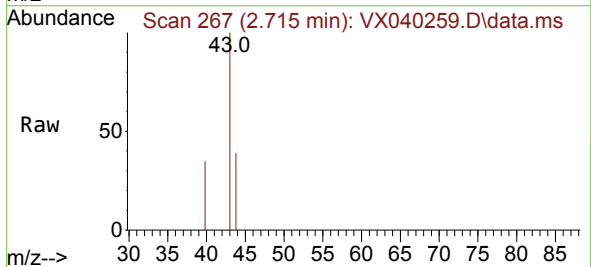
Acq: 15 Feb 2024 17:54

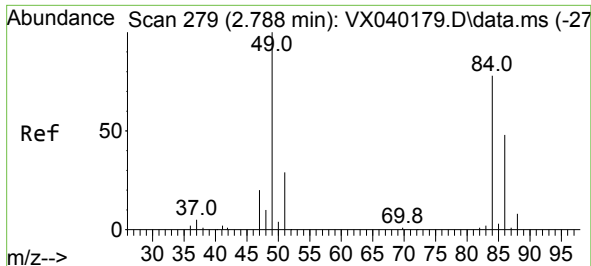
Tgt Ion: 43 Resp: 584

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#





#20

Methylene Chloride

Concen: 1.686 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

TP-1

Tgt Ion: 84 Resp: 2698

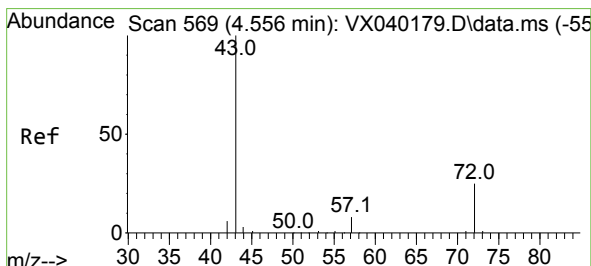
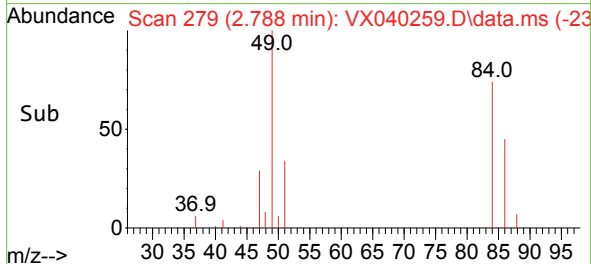
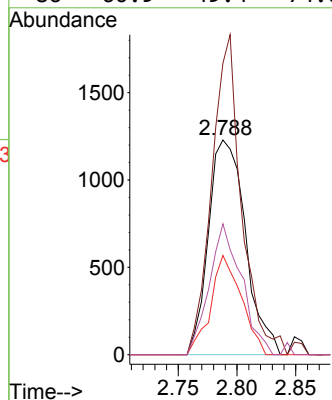
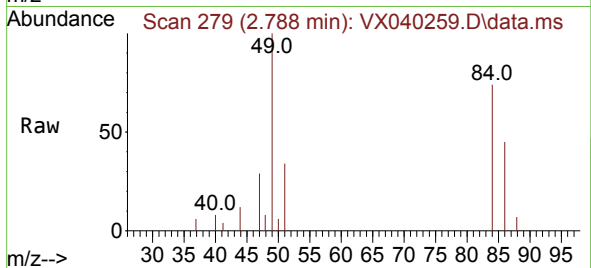
Ion Ratio Lower Upper

84 100

49 135.7 103.6 155.4

51 46.2 33.8 50.6

86 60.9 49.4 74.0



#25

2-Butanone

Concen: 1.411 ug/l

RT: 4.592 min Scan# 575

Delta R.T. 0.037 min

Lab File: VX040259.D

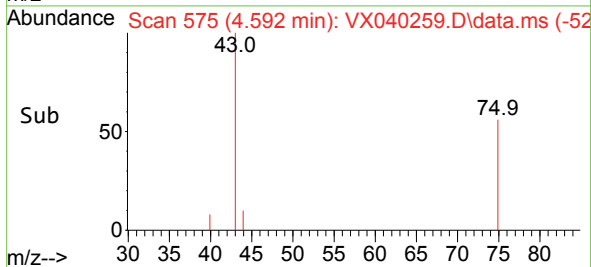
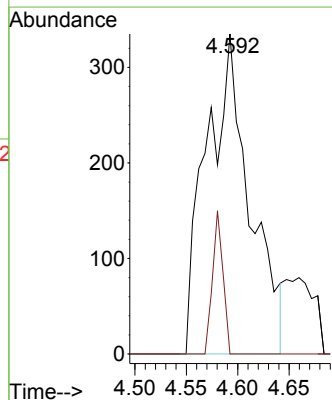
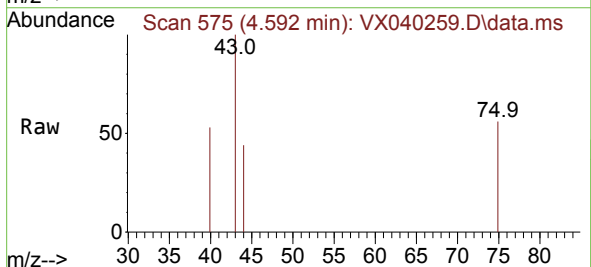
Acq: 15 Feb 2024 17:54

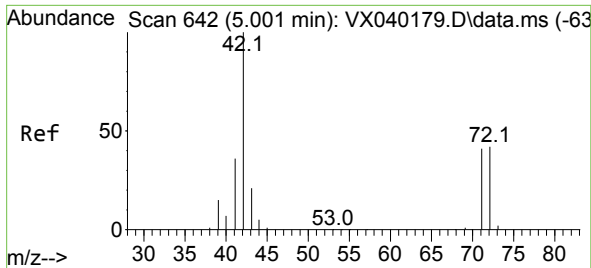
Tgt Ion: 43 Resp: 984

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

TP-1

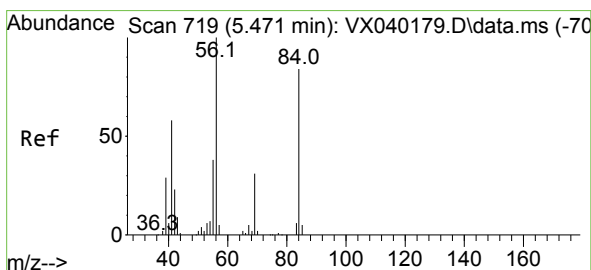
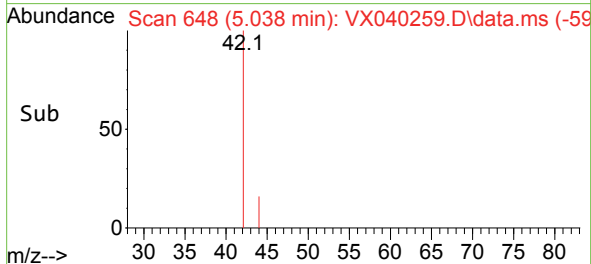
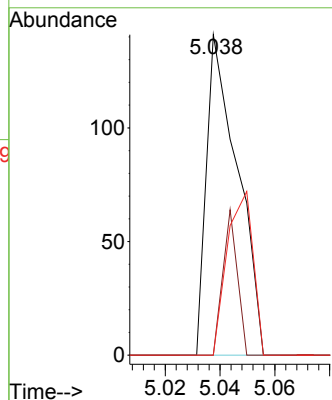
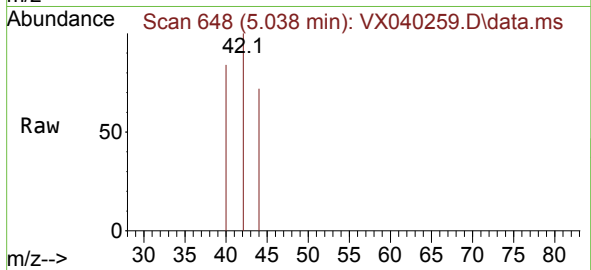
Tgt Ion: 42 Resp: 111

Ion Ratio Lower Upper

42 100

72 20.7 34.2 51.4#

71 42.3 32.2 48.2



#31

Cyclohexane

Concen: 1.388 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

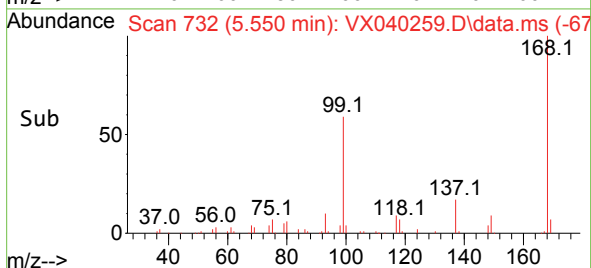
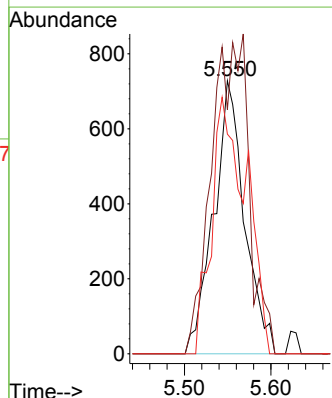
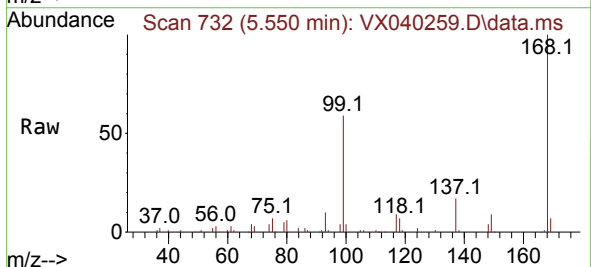
Tgt Ion: 56 Resp: 1798

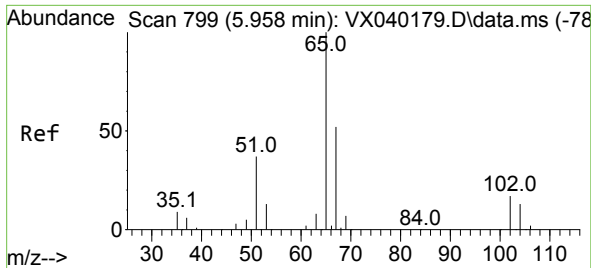
Ion Ratio Lower Upper

56 100

69 89.4 23.4 35.2#

84 80.5 65.9 98.9

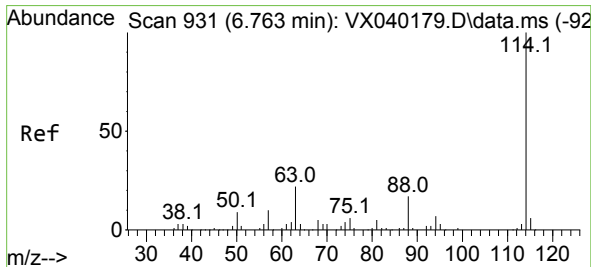
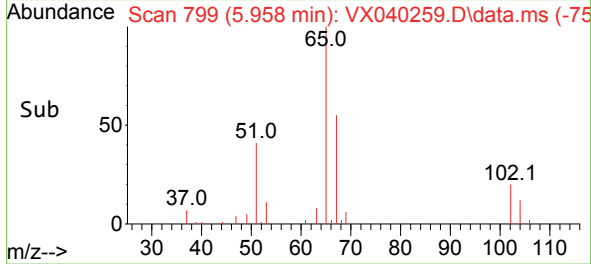
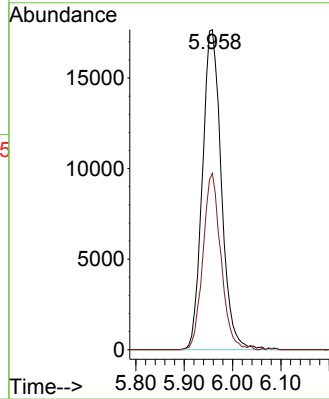
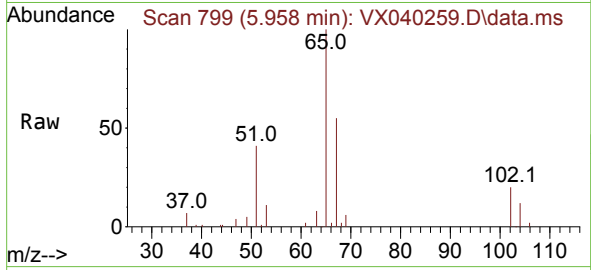




#33
 1,2-Dichloroethane-d4
 Concen: 44.278 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX040259.D
 Acq: 15 Feb 2024 17:54

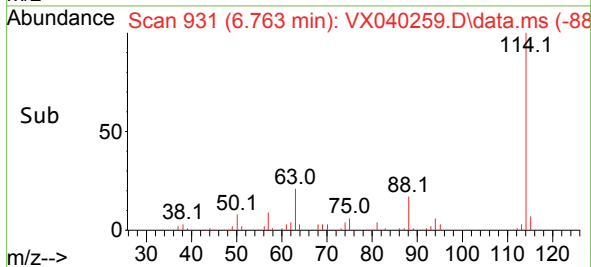
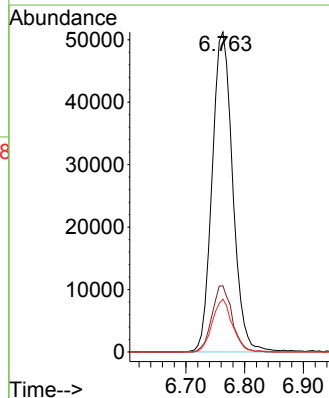
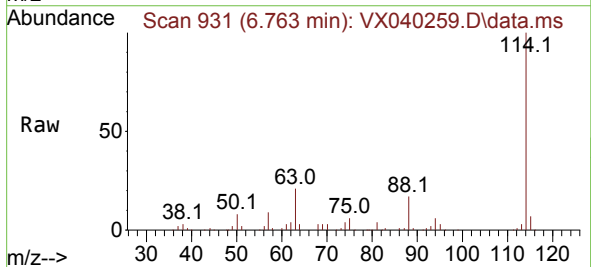
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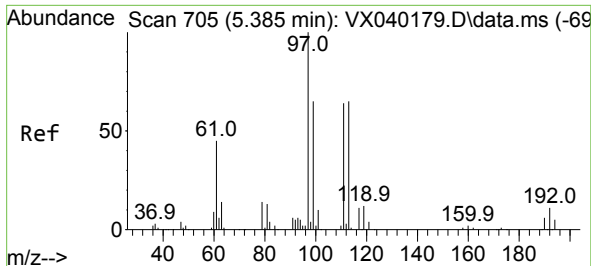
Tgt Ion: 65 Resp: 48090
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX040259.D
 Acq: 15 Feb 2024 17:54

Tgt Ion: 114 Resp: 124348
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.0
 88 16.5 0.0 36.6

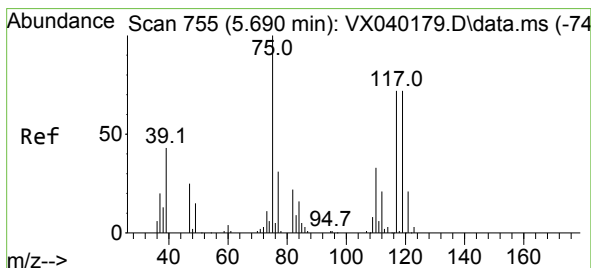
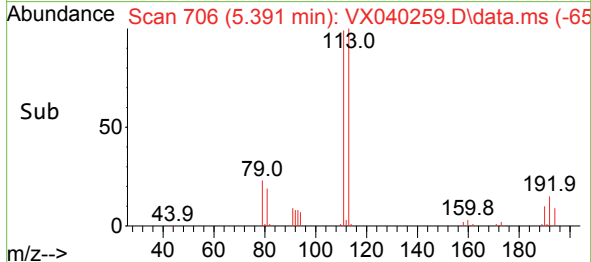
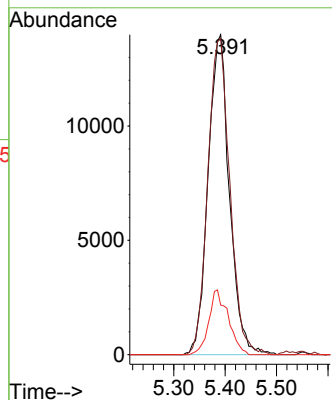
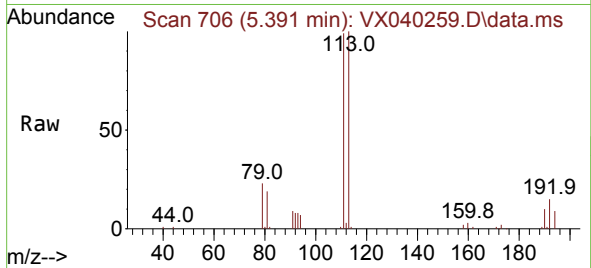




#35
Dibromofluoromethane
Concen: 46.384 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

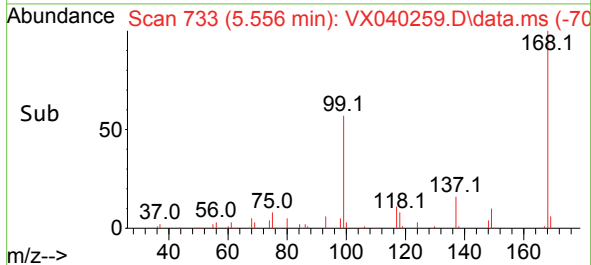
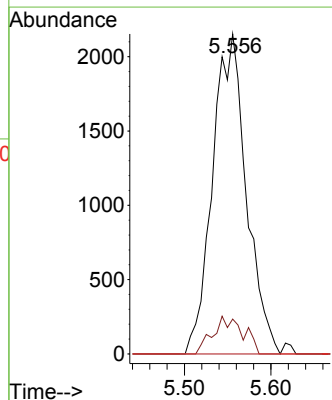
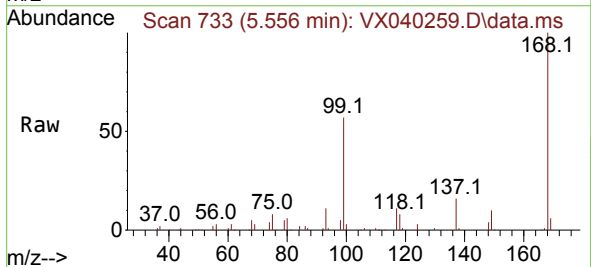
Instrument :
MSVOA_X
ClientSampleId :
TP-1

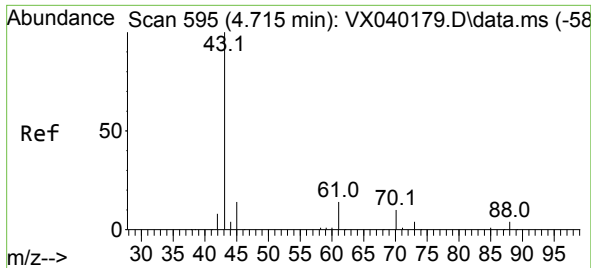
Tgt Ion:113 Resp: 40279
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

Tgt Ion: 75 Resp: 5828
Ion Ratio Lower Upper
75 100
110 10.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.048 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

TP-1

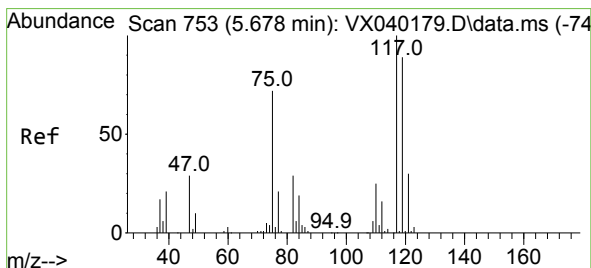
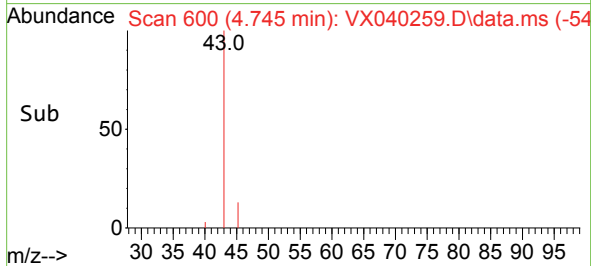
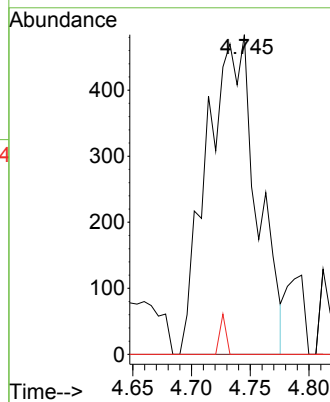
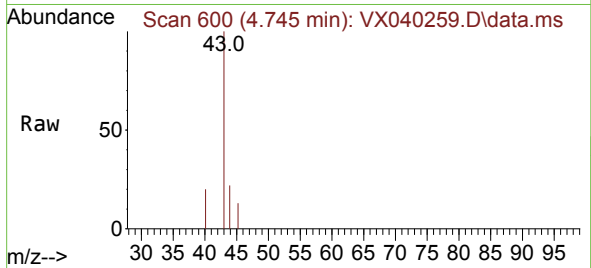
Tgt Ion: 43 Resp: 1418

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 1.6 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.338 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

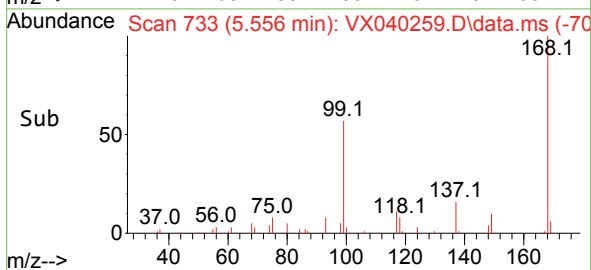
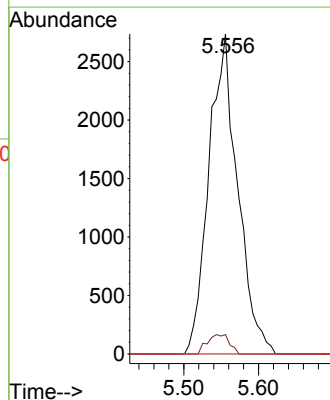
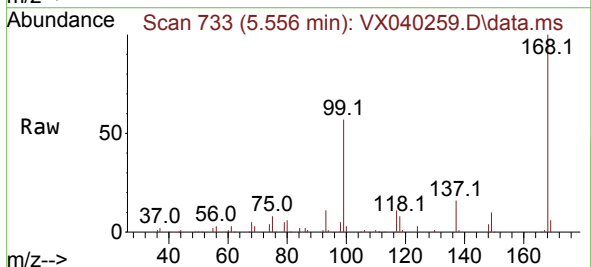
Tgt Ion: 117 Resp: 7330

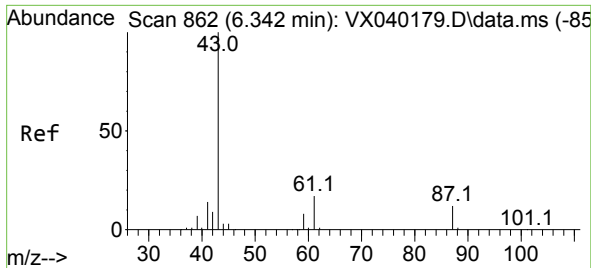
Ion Ratio Lower Upper

117 100

119 6.1 78.2 117.2#

121 0.0 24.4 36.6#

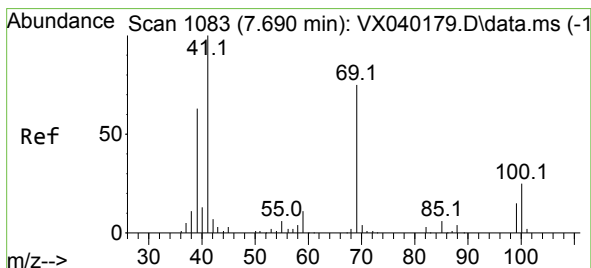
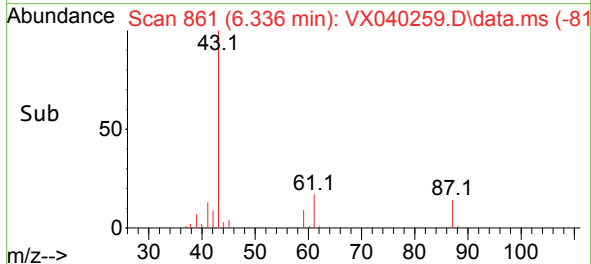
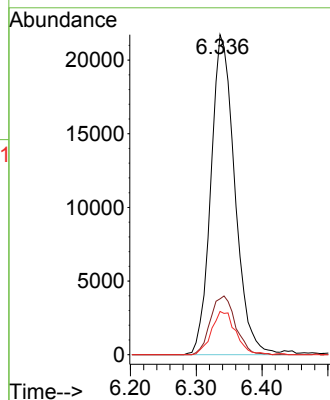
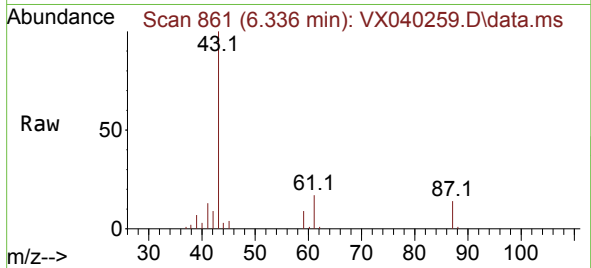




#43
Isopropyl Acetate
Concen: 26.043 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

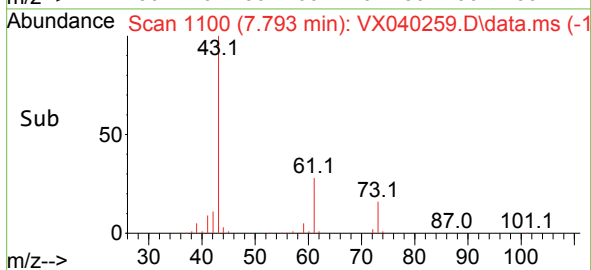
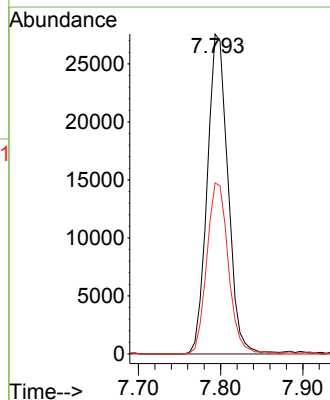
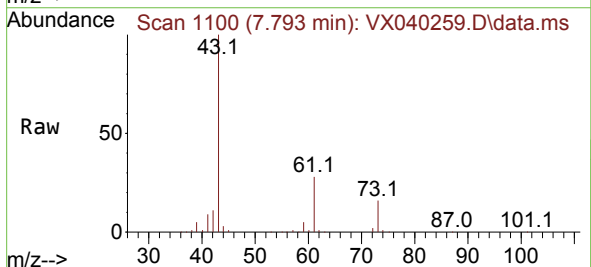
Instrument :
MSVOA_X
ClientSampleId :
TP-1

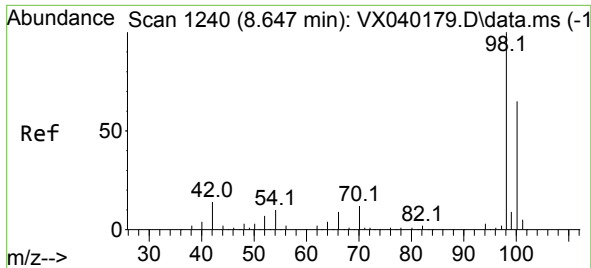
Tgt Ion: 43 Resp: 55028
Ion Ratio Lower Upper
43 100
61 19.2 15.2 22.8
87 13.6 9.8 14.6



#48
Methyl methacrylate
Concen: 44.619 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

Tgt Ion: 41 Resp: 48240
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 55.7 47.7 71.5

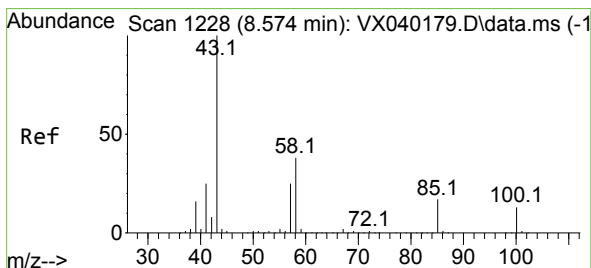
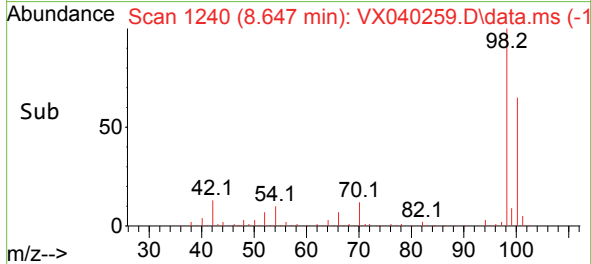
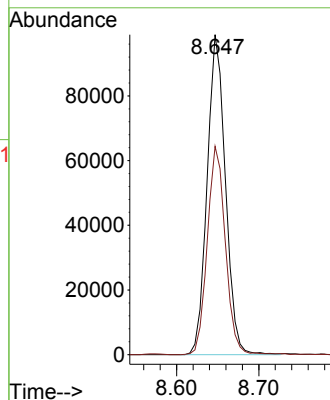
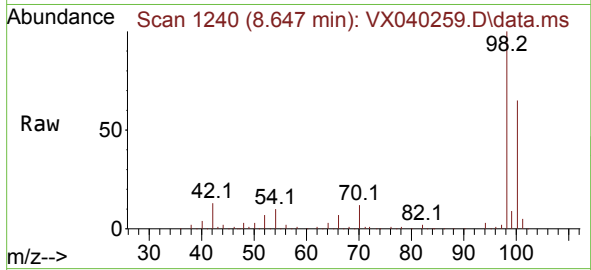




#50
Toluene-d8
Concen: 47.081 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

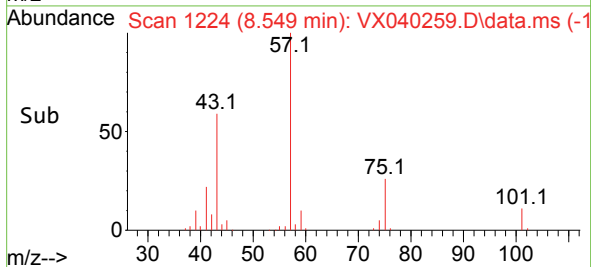
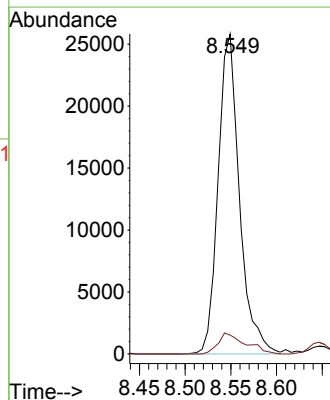
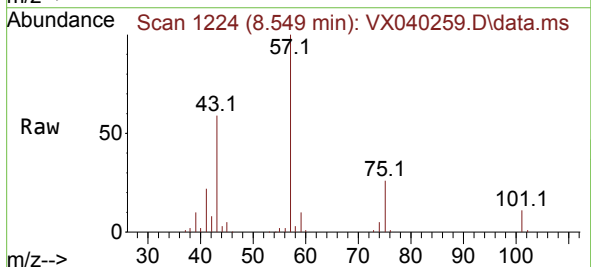
Instrument :
MSVOA_X
ClientSampleId :
TP-1

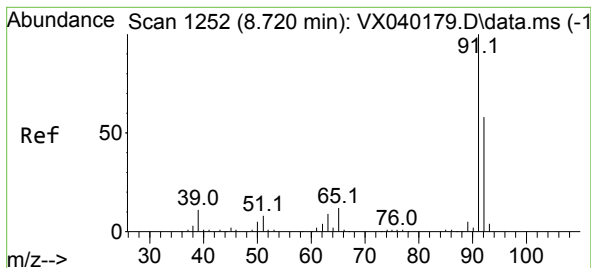
Tgt Ion: 98 Resp: 152936
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 29.070 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

Tgt Ion: 43 Resp: 41937
Ion Ratio Lower Upper
43 100
58 8.4 30.4 45.6#





#52

Toluene

Concen: 0.207 ug/l

RT: 8.732 min Scan# 1254

Delta R.T. 0.012 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

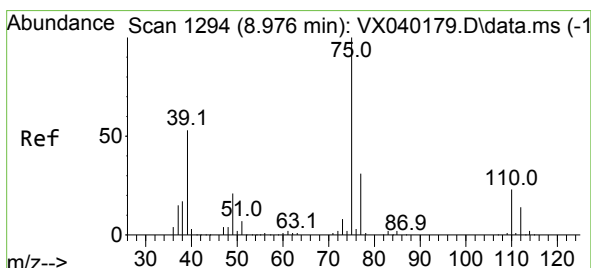
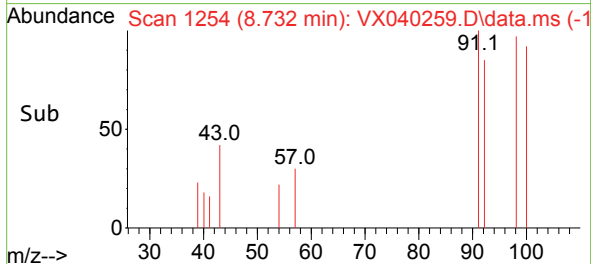
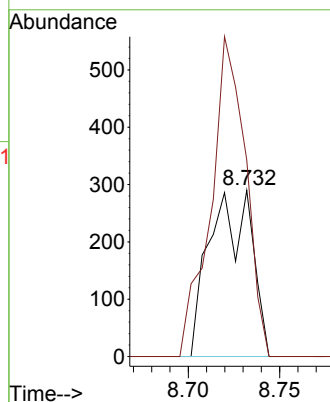
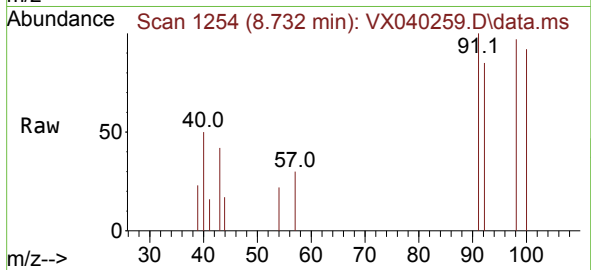
TP-1

Tgt Ion: 92 Resp: 461

Ion Ratio Lower Upper

92 100

91 161.2 134.2 201.2



#53

t-1,3-Dichloropropene

Concen: 2.126 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX040259.D

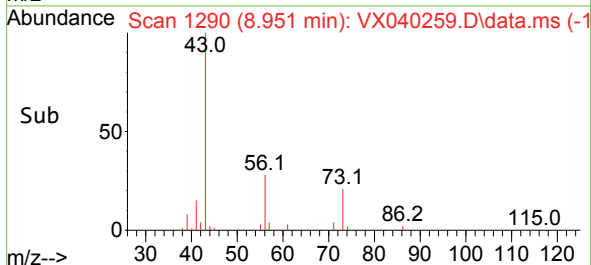
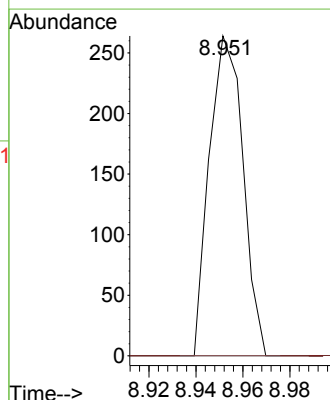
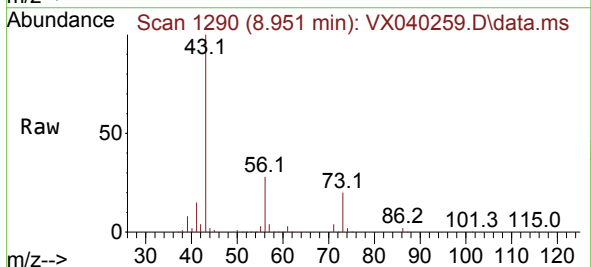
Acq: 15 Feb 2024 17:54

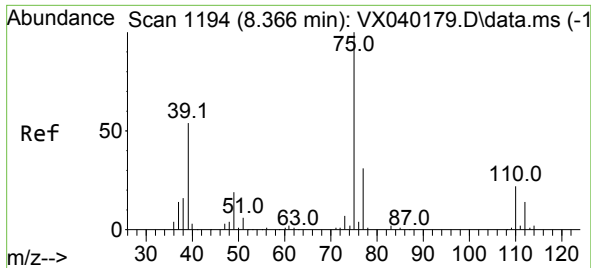
Tgt Ion: 75 Resp: 263

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

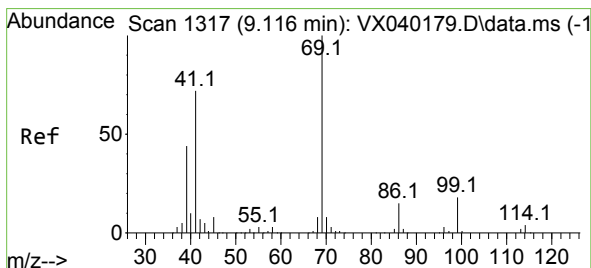
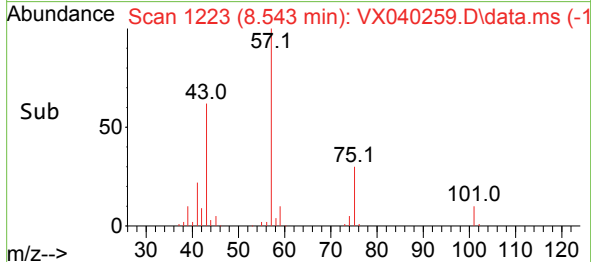
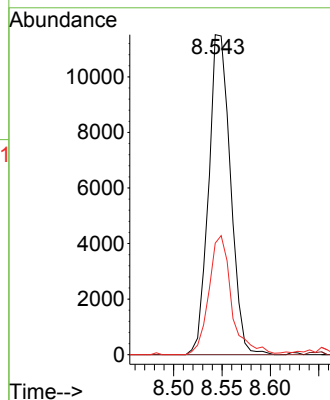
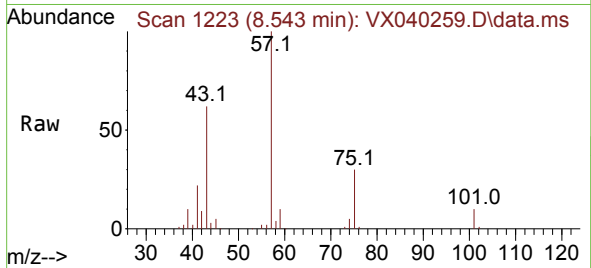




#54
cis-1,3-Dichloropropene
Concen: 12.857 ug/l
RT: 8.543 min Scan# 1194
Delta R.T. 0.177 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

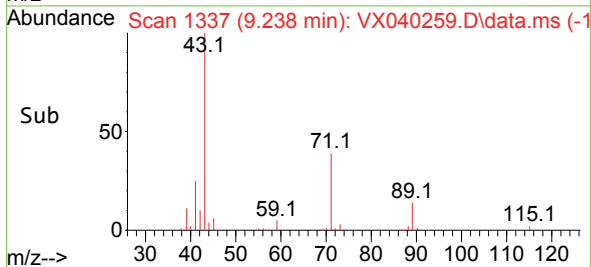
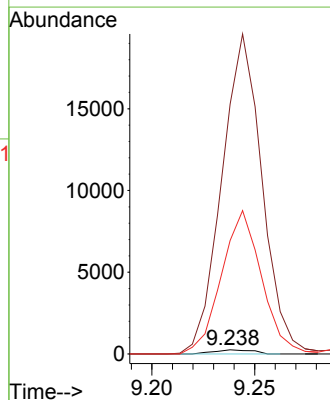
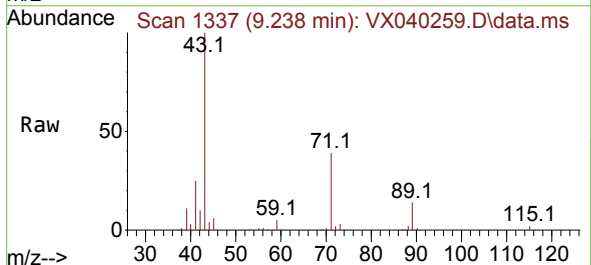
Instrument :
MSVOA_X
ClientSampleId :
TP-1

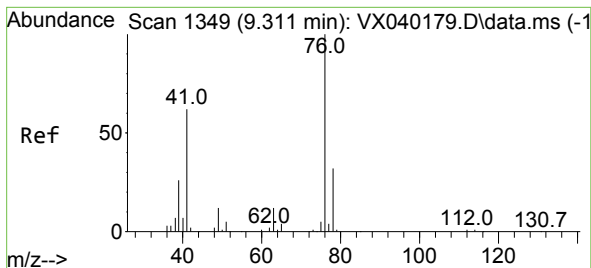
Tgt Ion: 75 Resp: 18105
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 34.9 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.233 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

Tgt Ion: 69 Resp: 331
Ion Ratio Lower Upper
69 100
41 8092.7 56.8 85.2#
39 3615.1 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.716 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

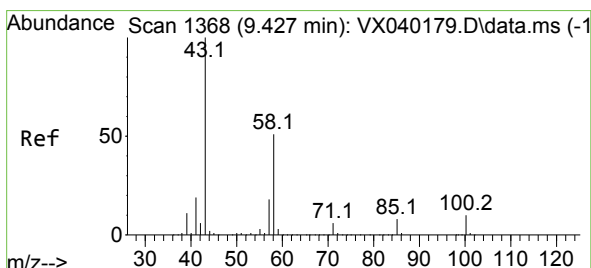
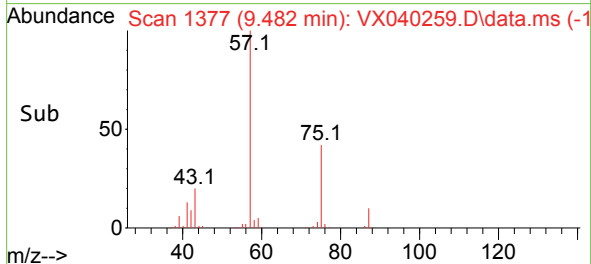
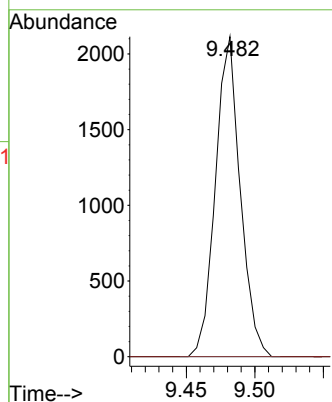
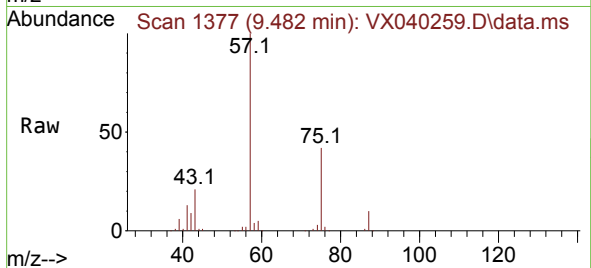
TP-1

Tgt Ion: 76 Resp: 2662

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.782 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX040259.D

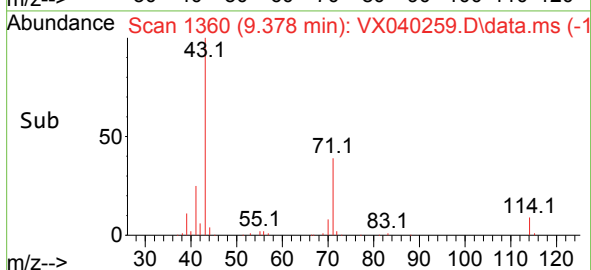
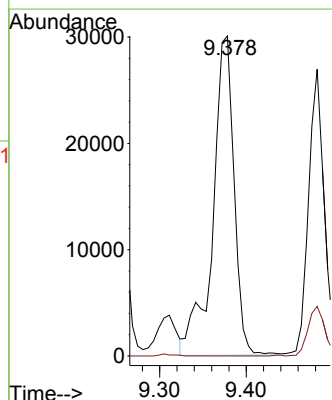
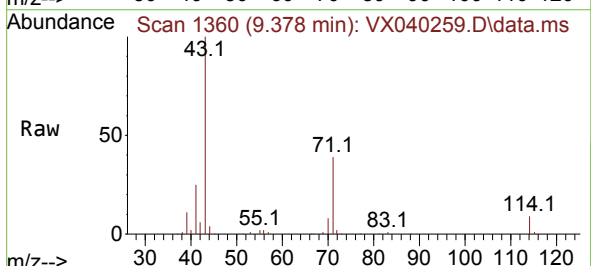
Acq: 15 Feb 2024 17:54

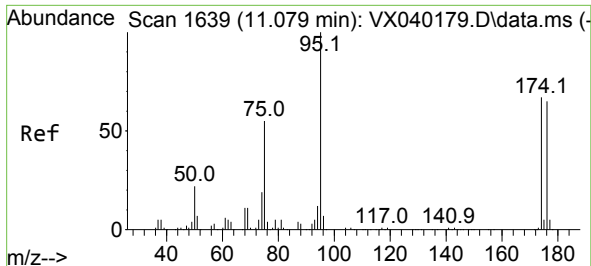
Tgt Ion: 43 Resp: 51220

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

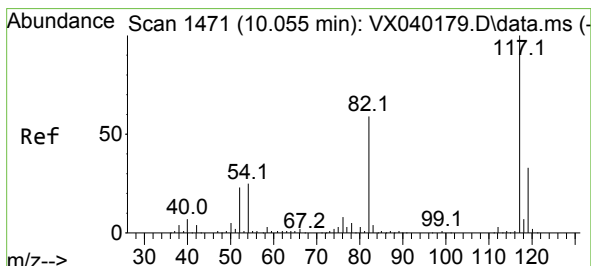
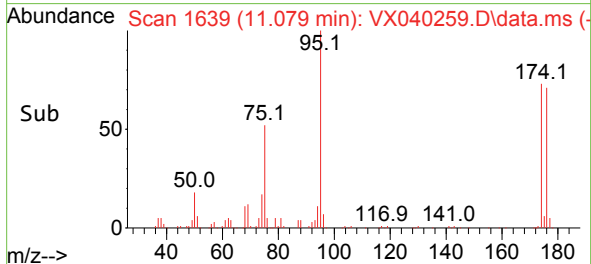
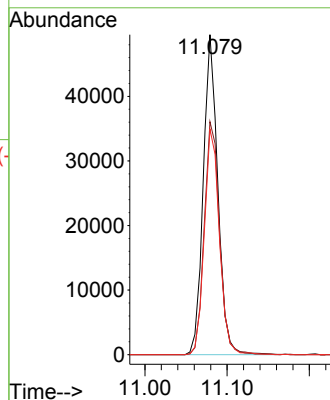
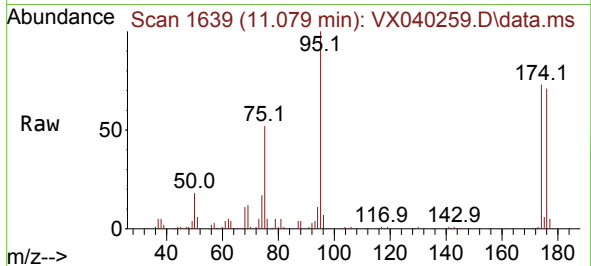




#62
4-Bromofluorobenzene
Concen: 46.004 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

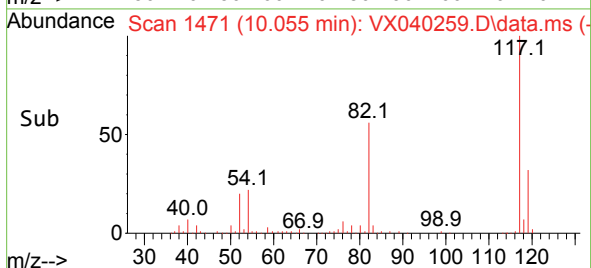
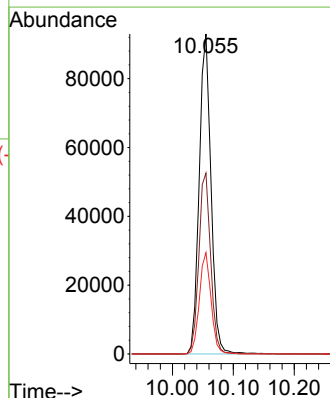
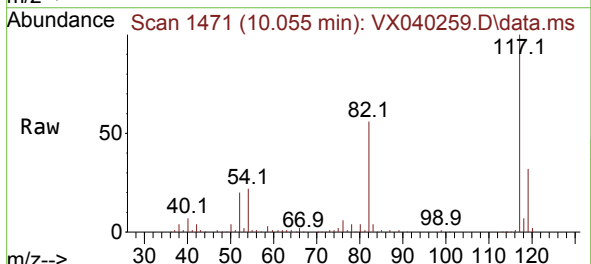
Instrument :
MSVOA_X
ClientSampleId :
TP-1

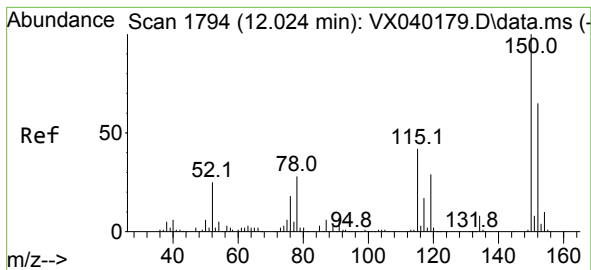
Tgt Ion: 95 Resp: 60946
Ion Ratio Lower Upper
95 100
174 76.7 0.0 135.6
176 73.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040259.D
Acq: 15 Feb 2024 17:54

Tgt Ion: 117 Resp: 124986
Ion Ratio Lower Upper
117 100
82 56.5 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# 1

Delta R.T. -0.000 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

TP-1

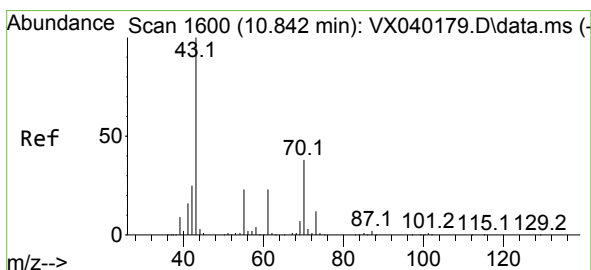
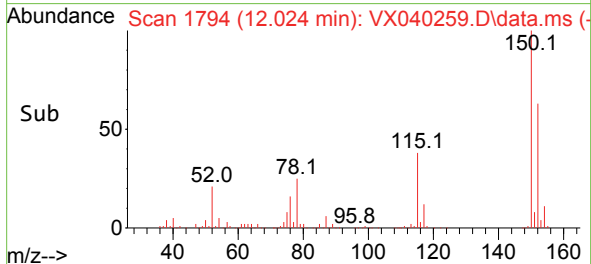
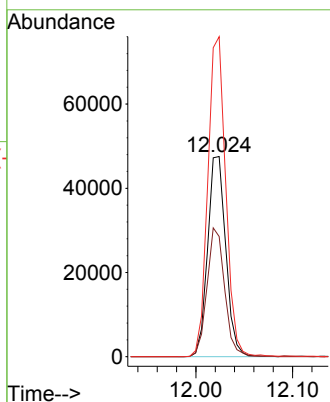
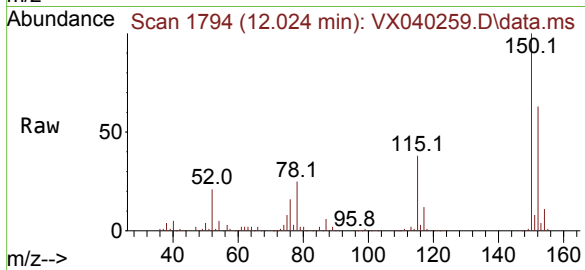
Tgt Ion:152 Resp: 62070

Ion Ratio Lower Upper

152 100

115 62.4 43.3 129.9

150 157.5 0.0 345.0



#74

N-ethyl acetate

Concen: 0.254 ug/l

RT: 10.823 min Scan# 1597

Delta R.T. -0.018 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Tgt Ion: 43 Resp: 476

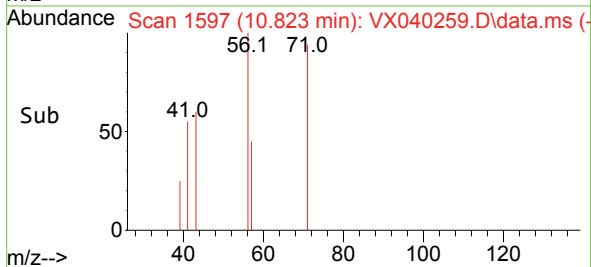
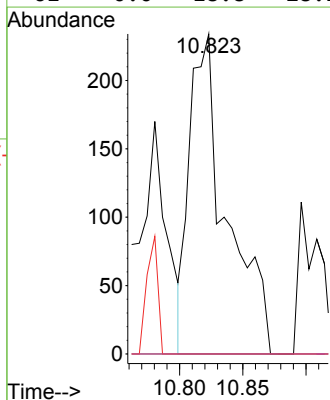
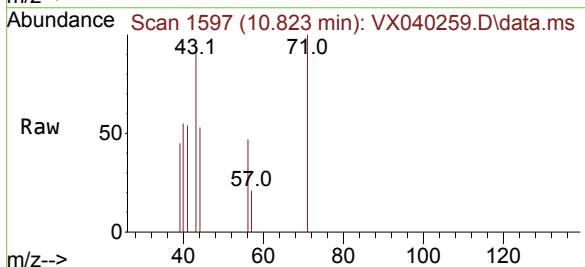
Ion Ratio Lower Upper

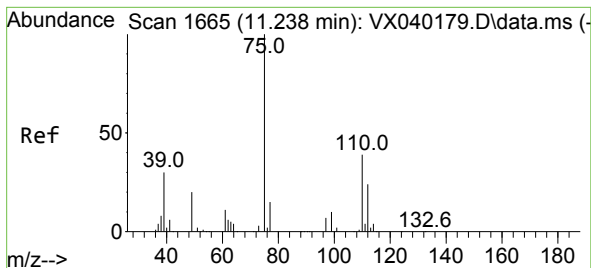
43 100

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: 25.749 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

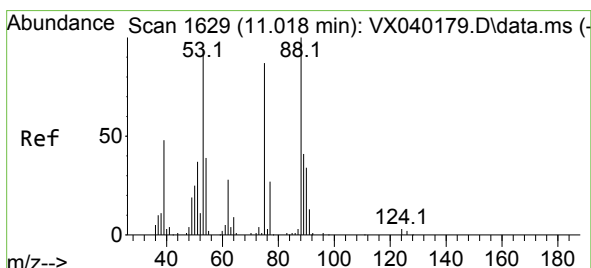
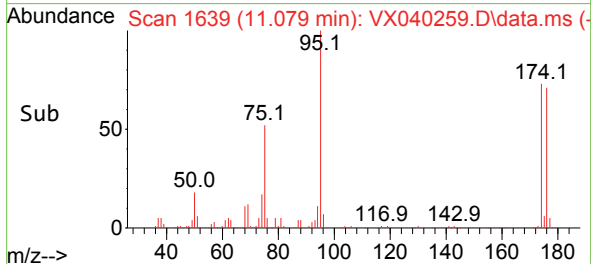
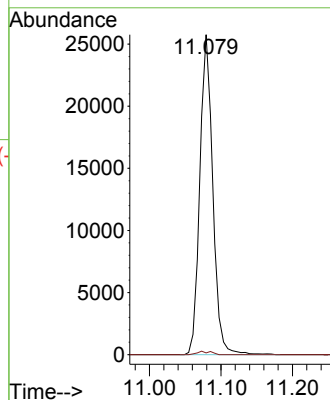
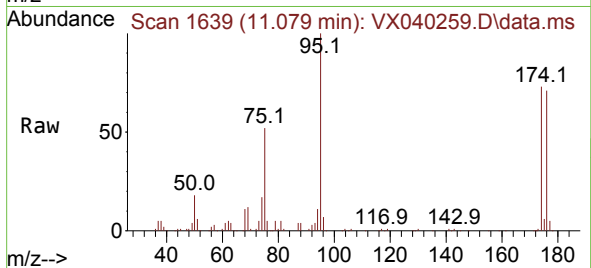
TP-1

Tgt Ion: 75 Resp: 32365

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.723 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040259.D

Acq: 15 Feb 2024 17:54

Tgt Ion: 75 Resp: 32365

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

