

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033853.D
 Acq On : 23 Jan 2023 16:43
 Operator : JC/MD
 Sample : 01251-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: Jan 24 00:44:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

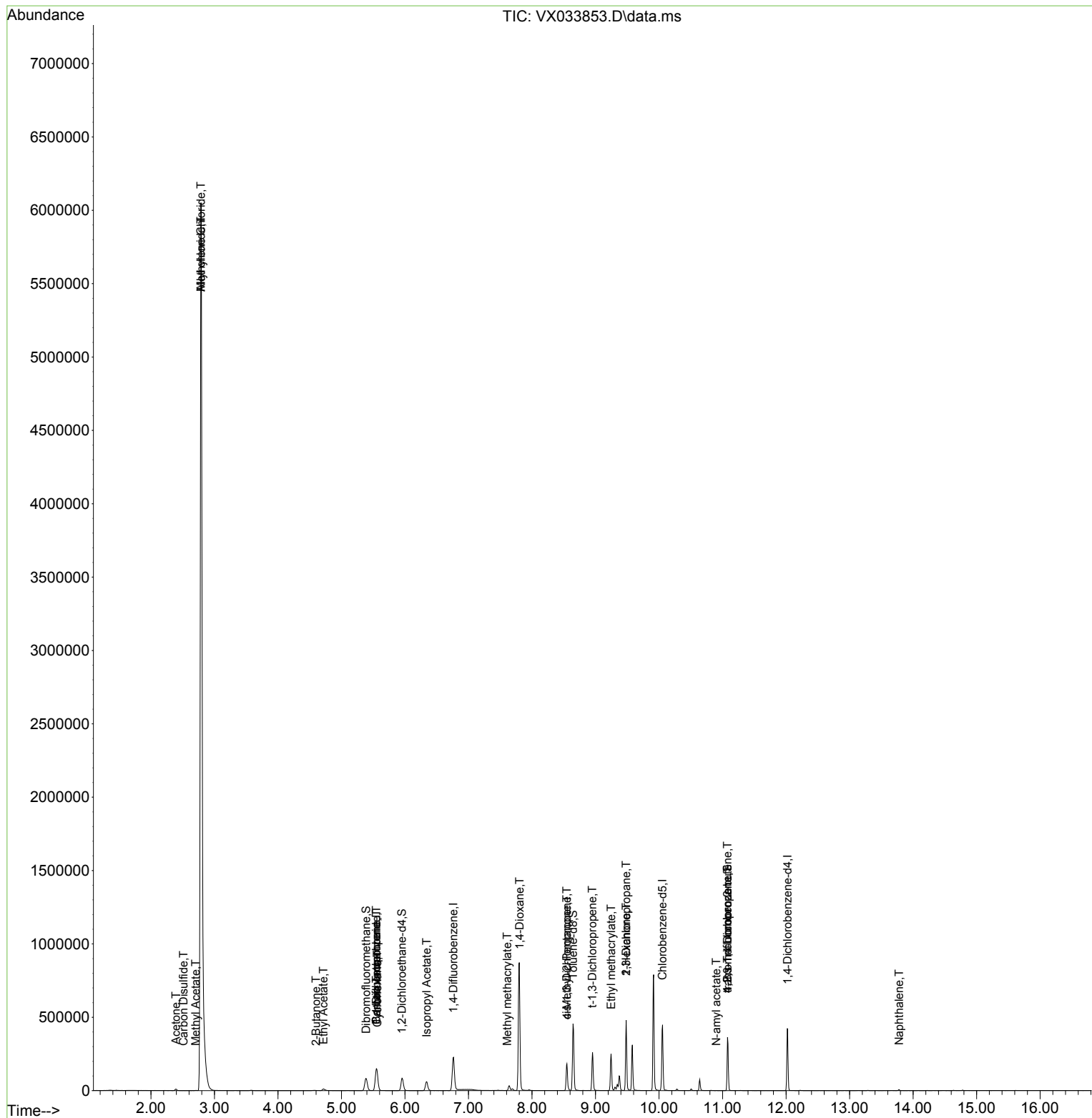
Internal Standards						
1) Pentafluorobenzene	5.550	168	165422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	242928	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80315	46.112	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.220%
35) Dibromofluoromethane	5.385	113	74757	49.559	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.120%
50) Toluene-d8	8.647	98	278139	50.607	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.220%
62) 4-Bromofluorobenzene	11.079	95	94914	46.513	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.020%
Target Compounds						
					Qvalue	
14) Allyl chloride	2.788	41	134122	52.831	ug/l #	22
16) Acetone	2.392	43	13776	9.864	ug/l	91
17) Carbon Disulfide	2.514	76	43	1.834	ug/l #	76
18) Methyl Acetate	2.703	43	2078	0.855	ug/l	92
20) Methylene Chloride	2.788	84	3284277	2280.397	ug/l	96
25) 2-Butanone	4.599	43	1731	1.521	ug/l #	83
31) Cyclohexane	5.562	56	2528	0.986	ug/l #	27
36) 1,1-Dichloropropene	5.550	75	9778	4.441	ug/l #	48
37) Ethyl Acetate	4.715	43	20863	7.503	ug/l	99
38) Carbon Tetrachloride	5.550	117	14015	6.147	ug/l #	17
43) Isopropyl Acetate	6.342	43	87197	25.089	ug/l	99
48) Methyl methacrylate	7.610	41	2576	1.471	ug/l #	16
49) 1,4-Dioxane	7.806	88	103	2.660	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	63552	29.774	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	527	0.244	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31084	12.820	ug/l #	59
56) Ethyl methacrylate	9.244	69	540	0.234	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4144	1.558	ug/l #	43
59) 2-Hexanone	9.482	43	55249	37.189	ug/l #	50
73) Isopropylbenzene	11.085	105	57	Below Cal	#	48
74) N-amyl acetate	10.903	43	633	0.236	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	11.085	83	23	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	43807	23.381	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	43807	72.665	ug/l #	8
95) Naphthalene	13.780	128	4774	0.741	ug/l	97

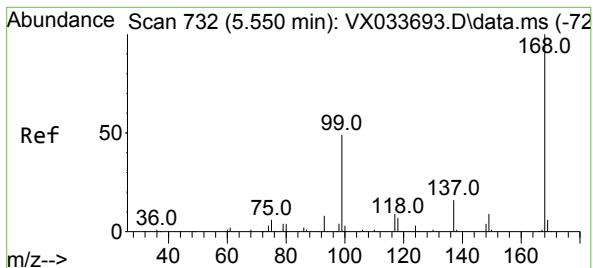
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

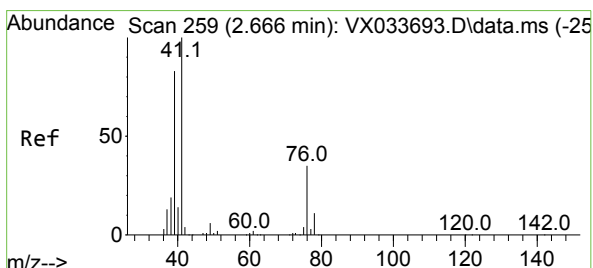
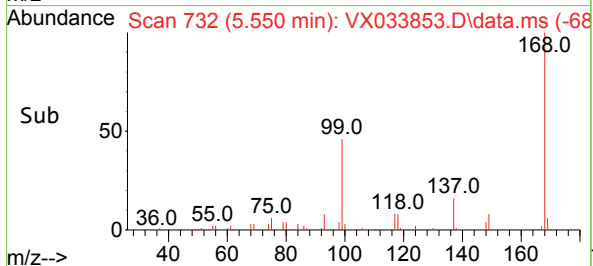
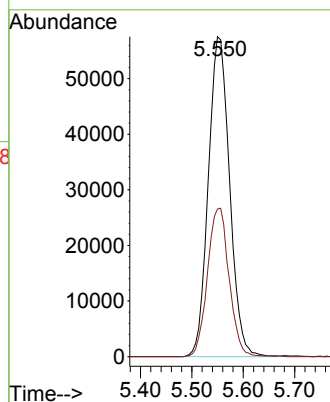
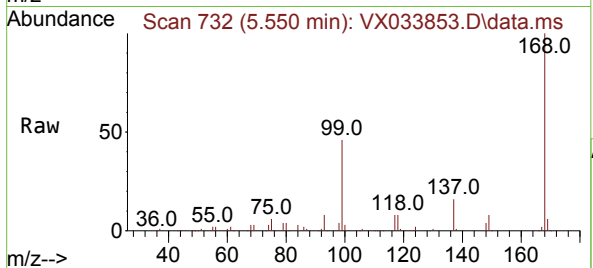
COMP-1

Tgt Ion:168 Resp: 165422

Ion Ratio Lower Upper

168 100

99 46.1 39.6 59.4



#14

Allyl chloride

Concen: 52.831 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.122 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

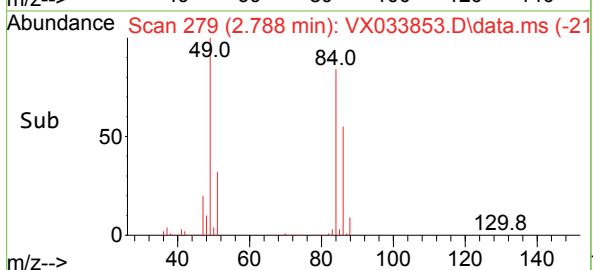
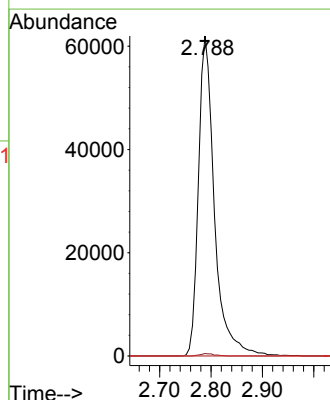
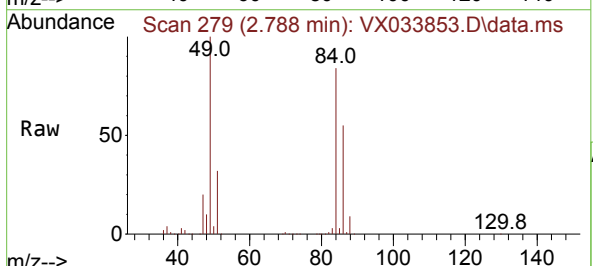
Tgt Ion: 41 Resp: 134122

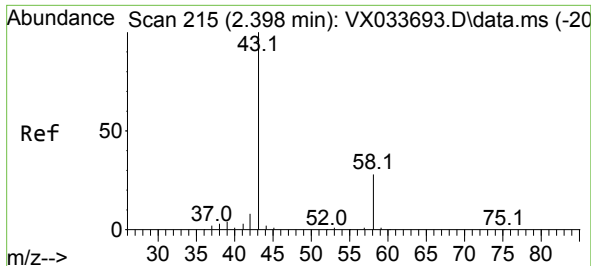
Ion Ratio Lower Upper

41 100

39 0.7 59.0 88.4#

76 0.0 24.6 37.0#

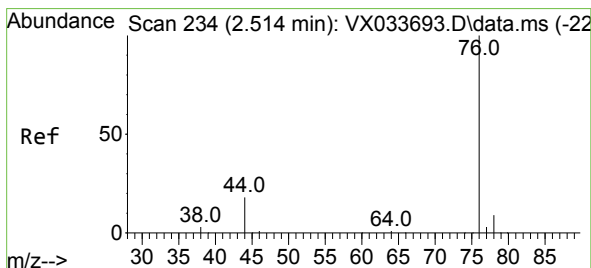
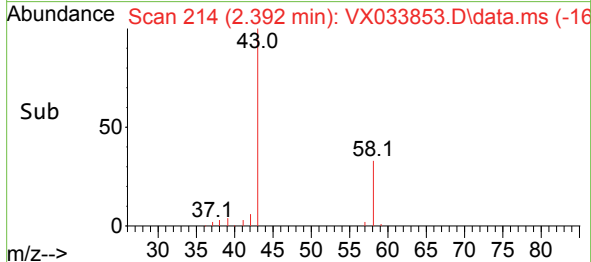
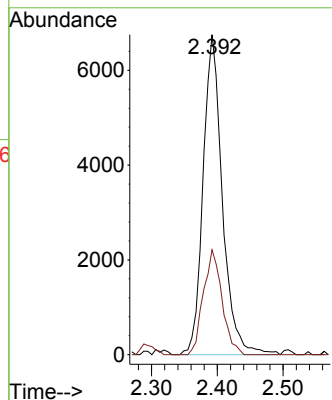
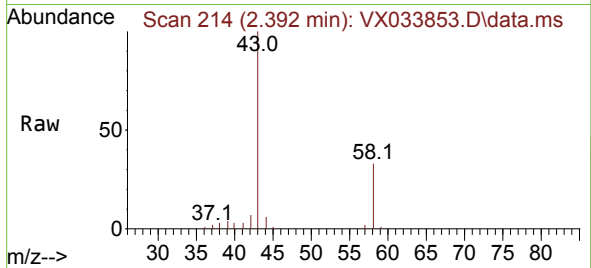




#16
Acetone
Concen: 9.864 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

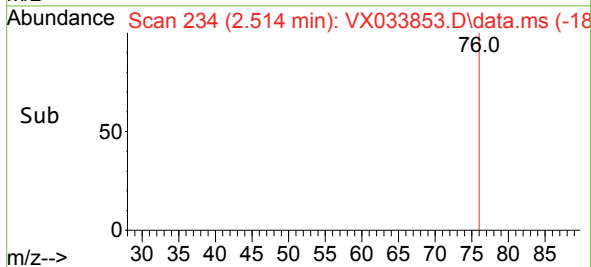
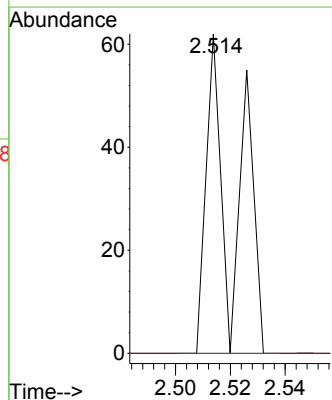
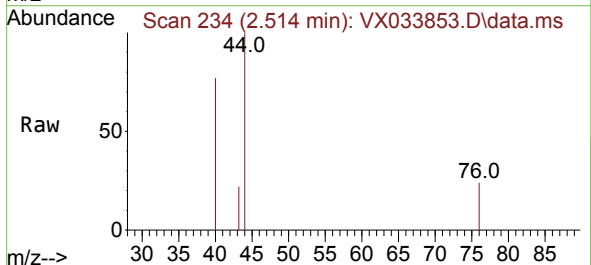
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

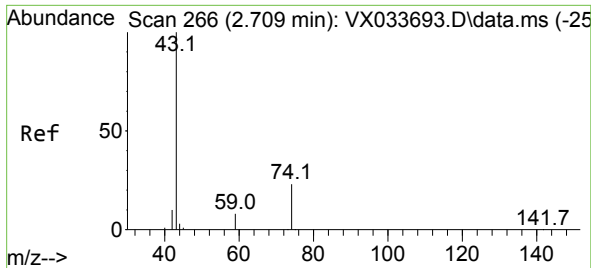
Tgt Ion: 43 Resp: 13776
Ion Ratio Lower Upper
43 100
58 32.8 22.6 33.8



#17
Carbon Disulfide
Concen: 1.834 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

Tgt Ion: 76 Resp: 43
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

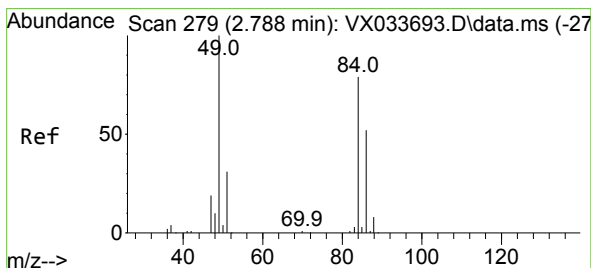
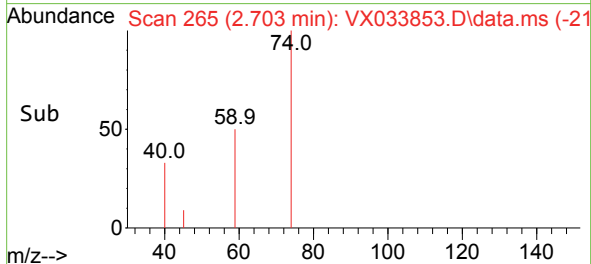
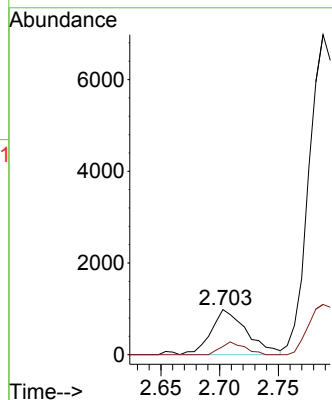
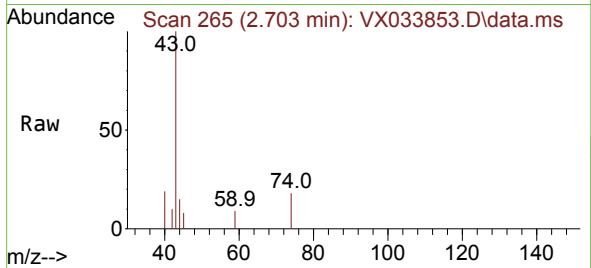




#18
Methyl Acetate
Concen: 0.855 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

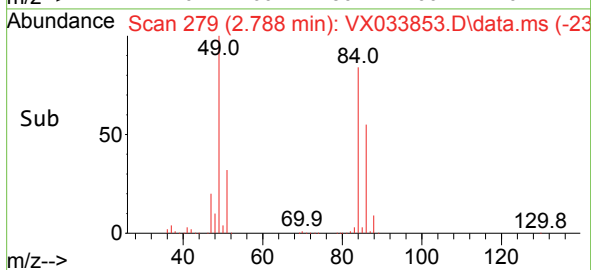
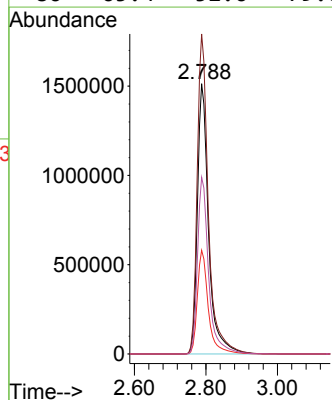
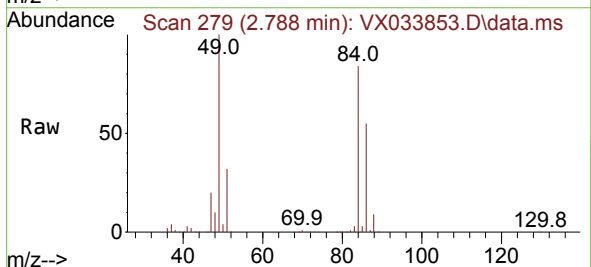
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

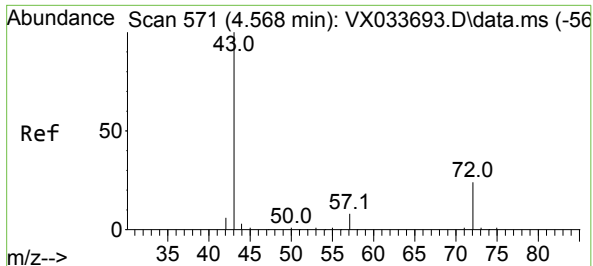
Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
74 18.8 18.2 27.4



#20
Methylene Chloride
Concen: 2280.397 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

Tgt Ion: 84 Resp: 3284277
Ion Ratio Lower Upper
84 100
49 118.4 101.1 151.7
51 38.4 31.0 46.6
86 65.4 52.6 79.0





#25

2-Butanone

Concen: 1.521 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

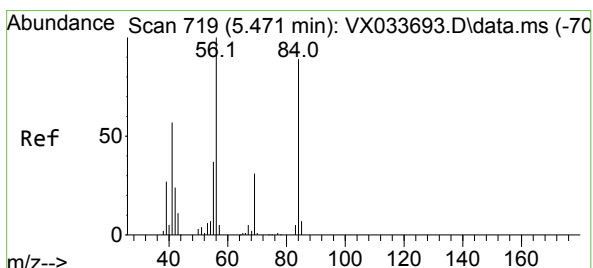
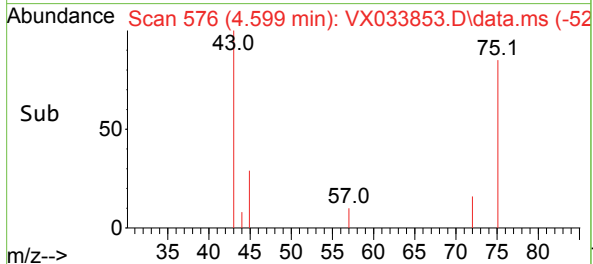
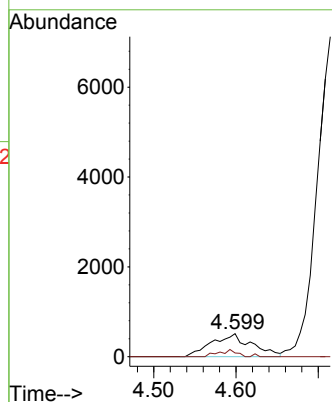
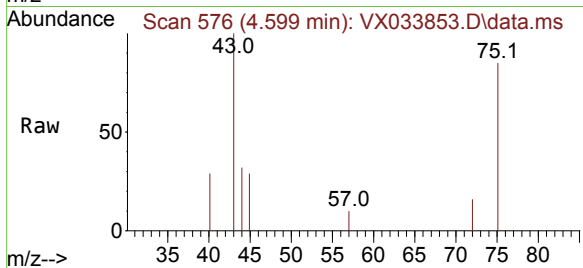
COMP-1

Tgt Ion: 43 Resp: 1731

Ion Ratio Lower Upper

43 100

72 16.0 19.4 29.2#



#31

Cyclohexane

Concen: 0.986 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

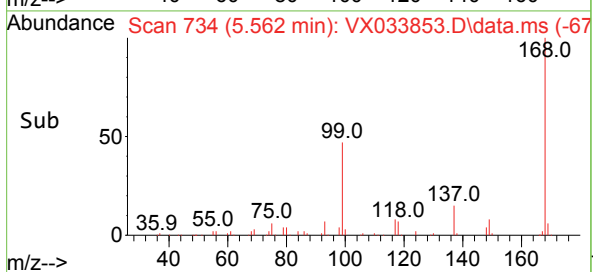
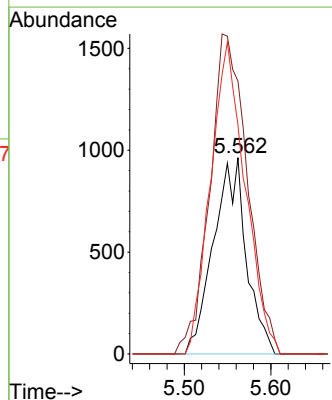
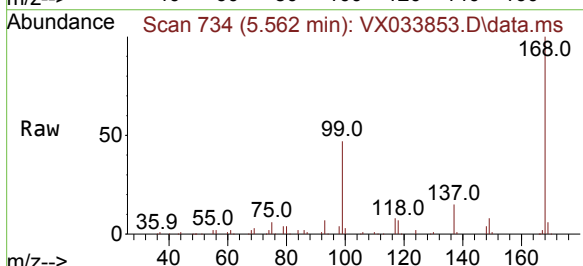
Tgt Ion: 56 Resp: 2528

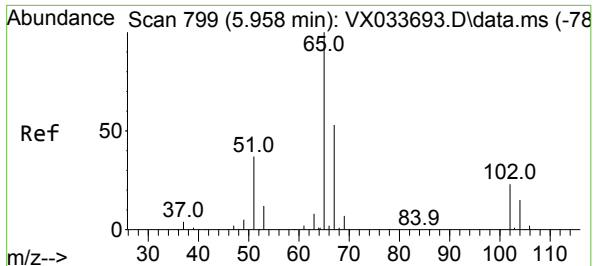
Ion Ratio Lower Upper

56 100

69 139.0 24.6 37.0#

84 116.6 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.112 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

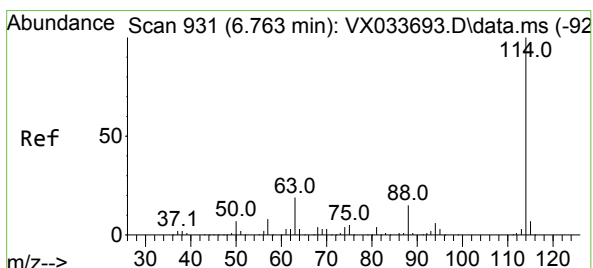
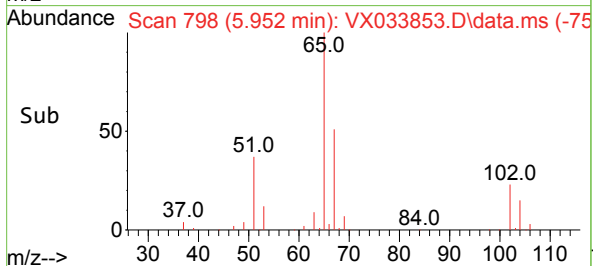
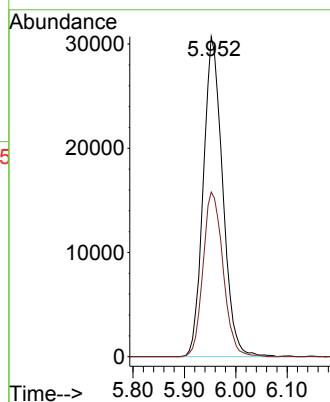
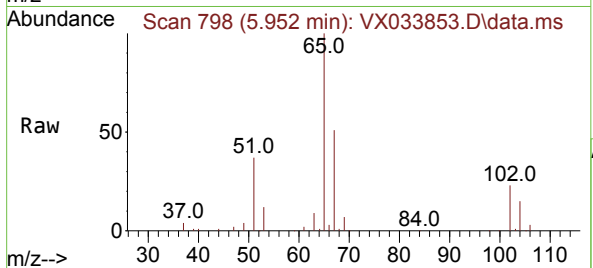
COMP-1

Tgt Ion: 65 Resp: 80315

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

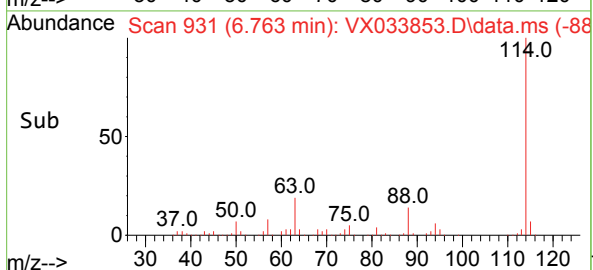
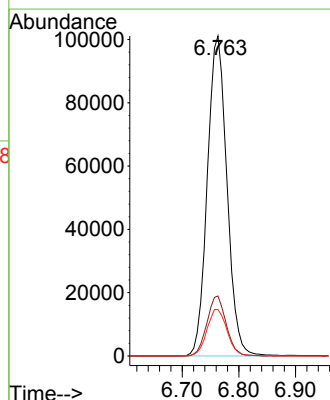
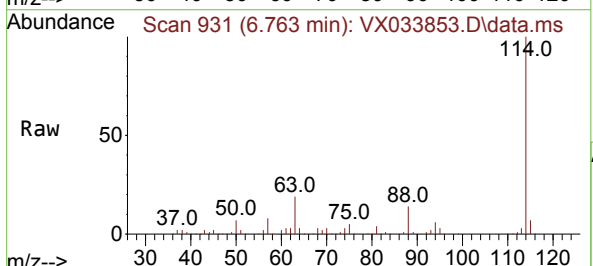
Tgt Ion: 114 Resp: 242928

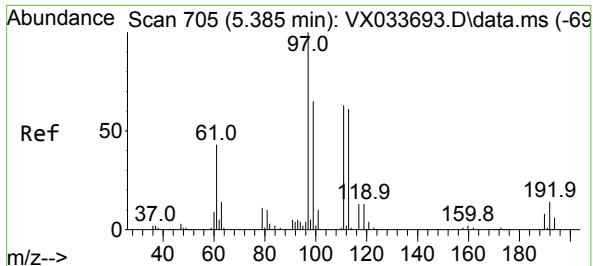
Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.4

88 14.5 0.0 30.6

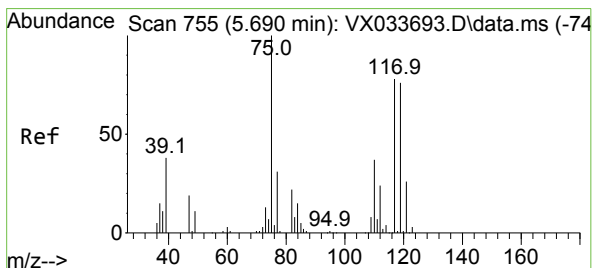
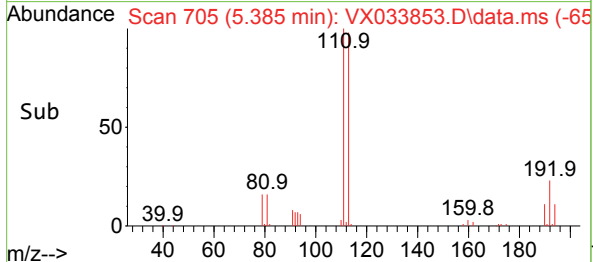
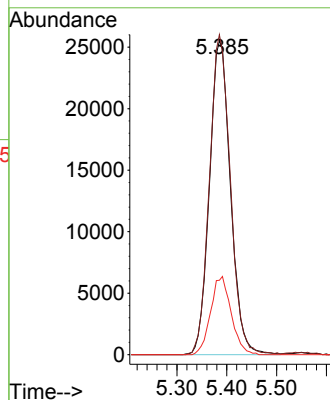
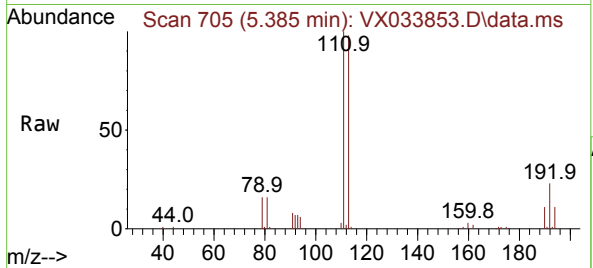




#35
Dibromofluoromethane
Concen: 49.559 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

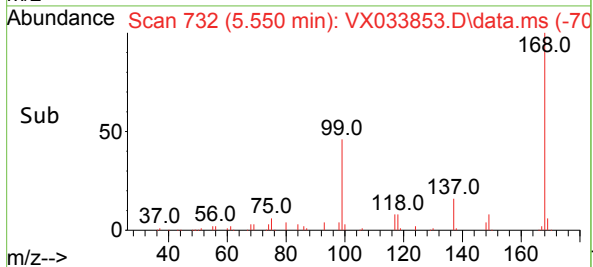
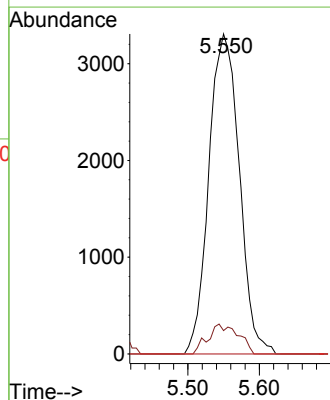
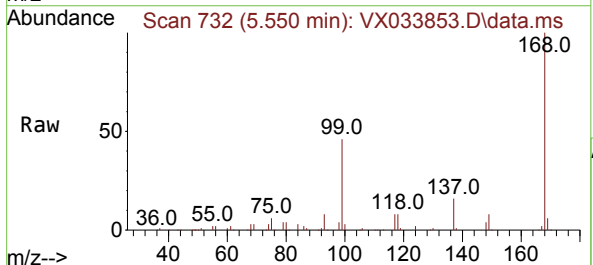
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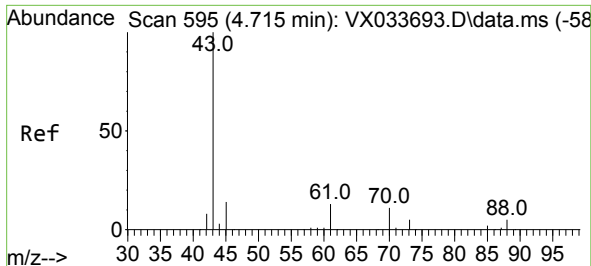
Tgt Ion:113 Resp: 74757
Ion Ratio Lower Upper
113 100
111 101.3 83.0 124.6
192 24.4 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.441 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

Tgt Ion: 75 Resp: 9778
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 7.503 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

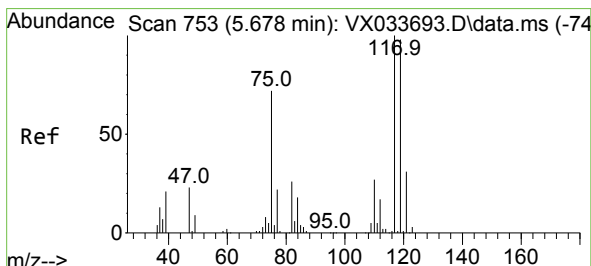
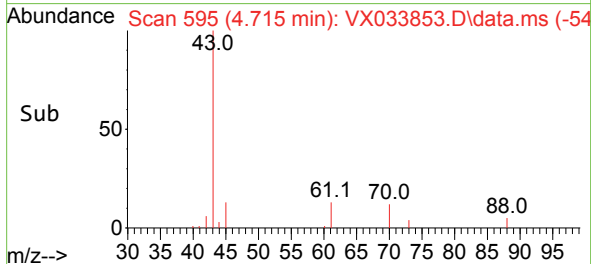
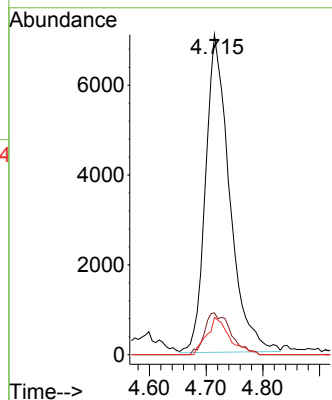
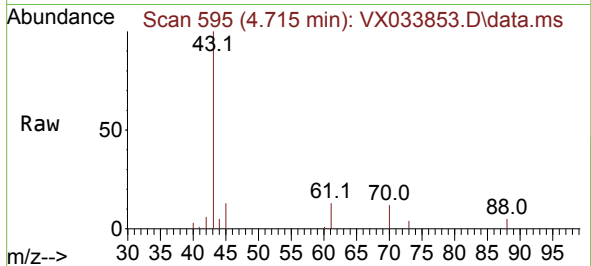
Tgt Ion: 43 Resp: 20863

Ion Ratio Lower Upper

43 100

61 14.4 11.1 16.7

70 11.0 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.147 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

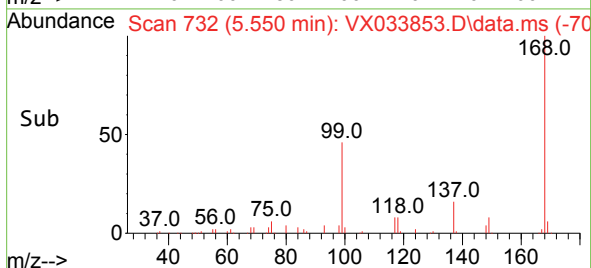
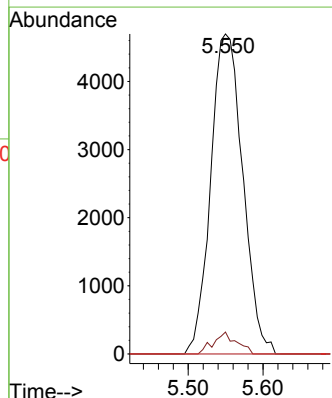
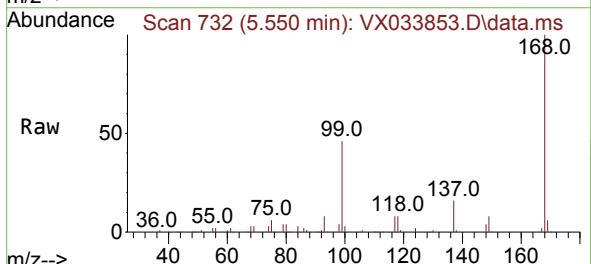
Tgt Ion: 117 Resp: 14015

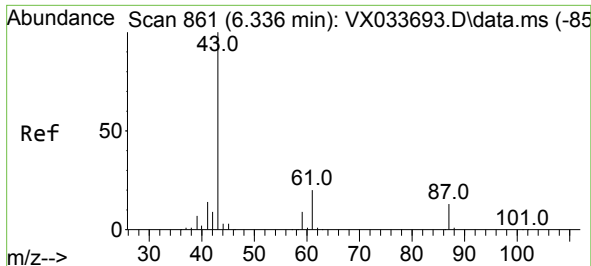
Ion Ratio Lower Upper

117 100

119 6.8 78.0 117.0#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 25.089 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

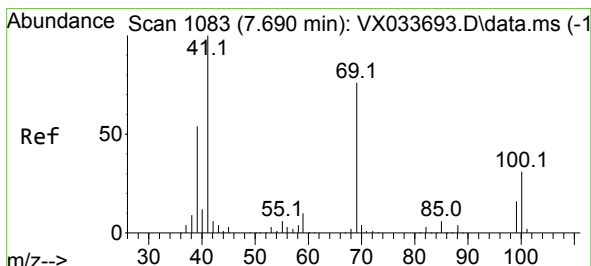
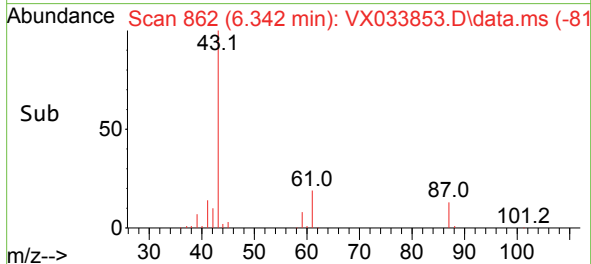
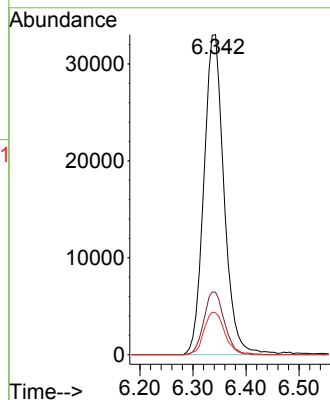
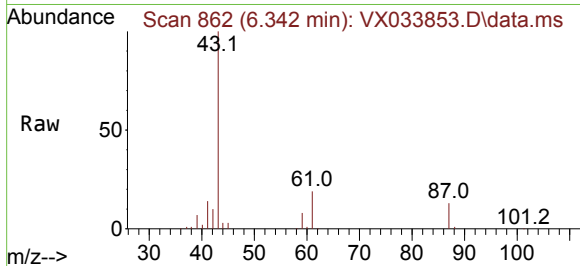
Tgt Ion: 43 Resp: 87197

Ion Ratio Lower Upper

43 100

61 20.0 15.7 23.5

87 13.5 10.6 15.8



#48

Methyl methacrylate

Concen: 1.471 ug/l

RT: 7.610 min Scan# 1070

Delta R.T. -0.079 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

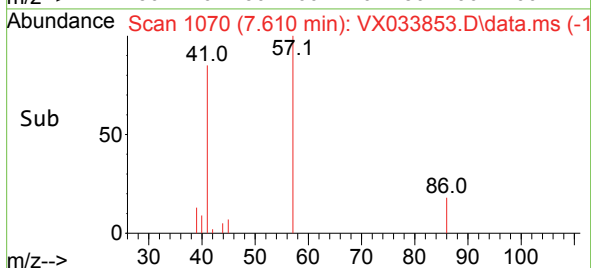
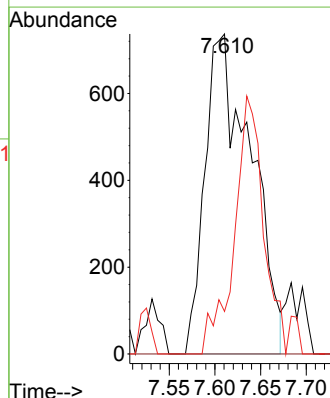
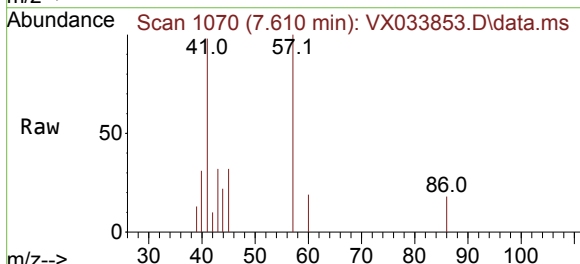
Tgt Ion: 41 Resp: 2576

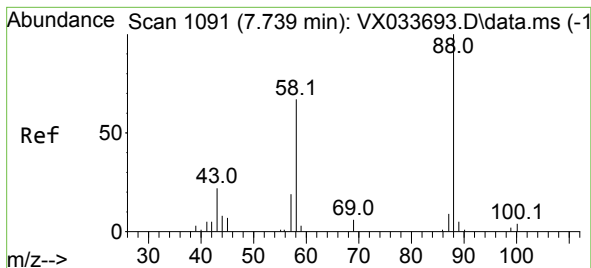
Ion Ratio Lower Upper

41 100

69 0.0 63.1 94.7#

39 0.0 43.2 64.8#





#49

1,4-Dioxane

Concen: 2.660 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.067 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

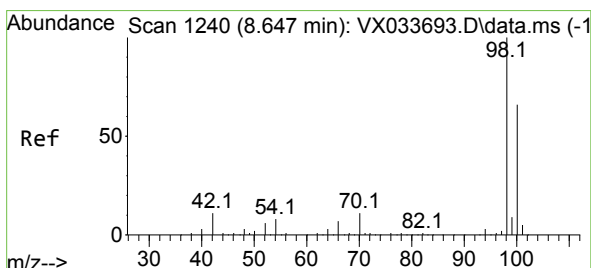
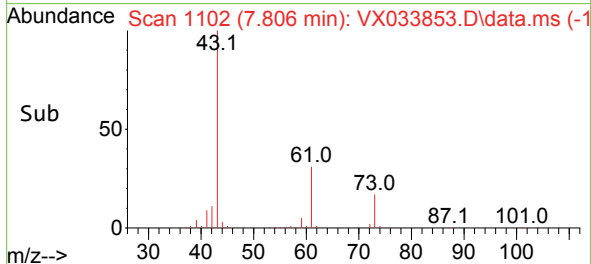
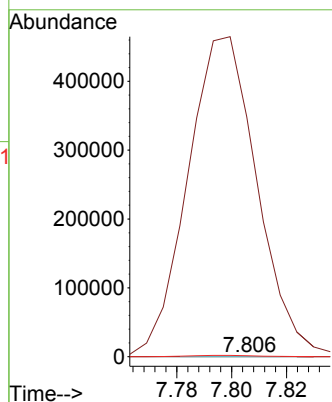
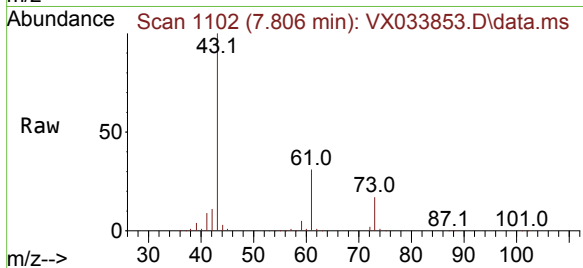
Tgt Ion: 88 Resp: 103

Ion Ratio Lower Upper

88 100

43 804001.0 0.0 0.0#

58 3301.0 56.5 84.7#



#50

Toluene-d8

Concen: 50.607 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033853.D

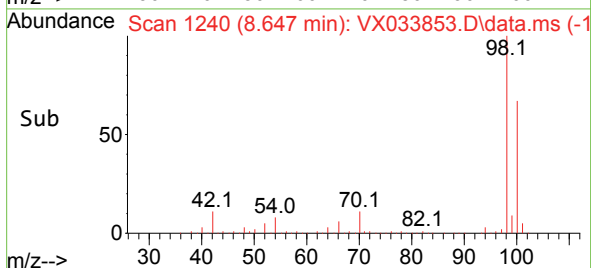
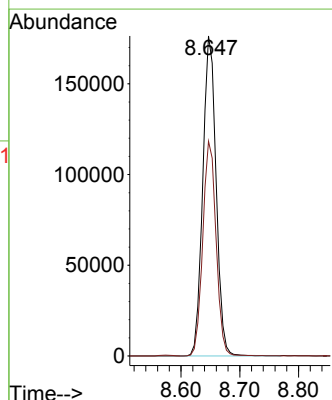
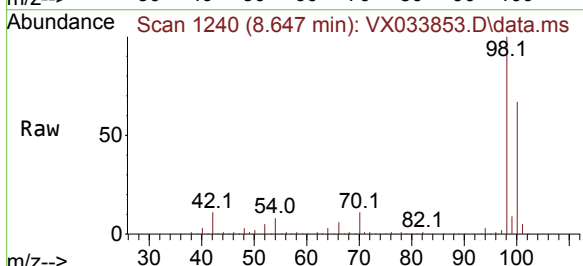
Acq: 23 Jan 2023 16:43

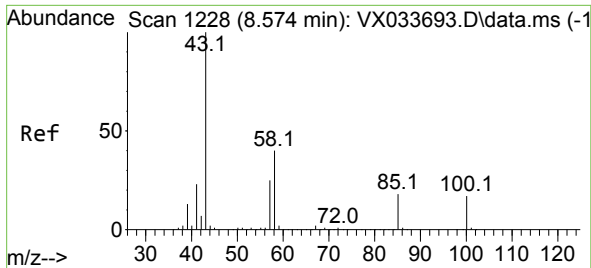
Tgt Ion: 98 Resp: 278139

Ion Ratio Lower Upper

98 100

100 67.1 53.6 80.4

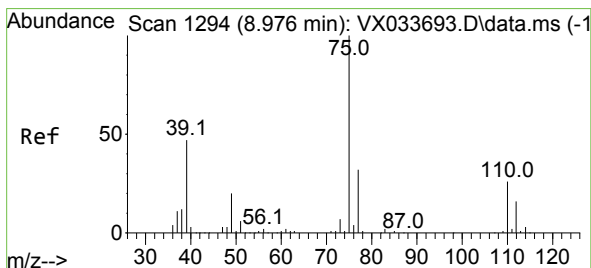
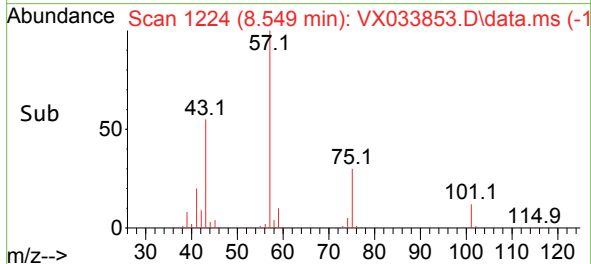
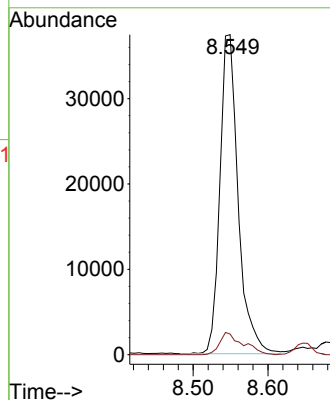
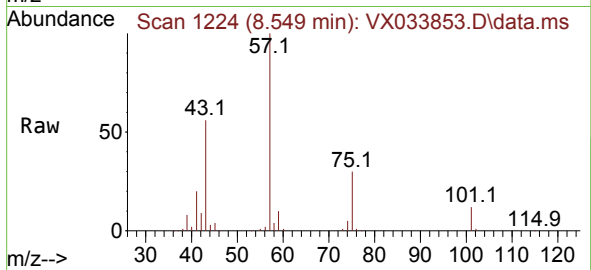




#51
4-Methyl-2-Pentanone
Concen: 29.774 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

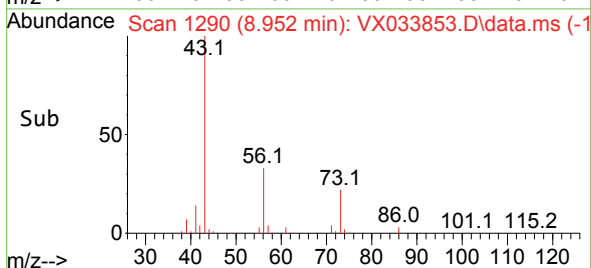
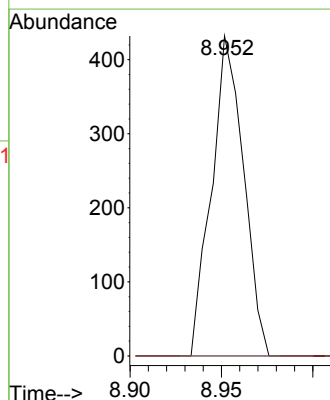
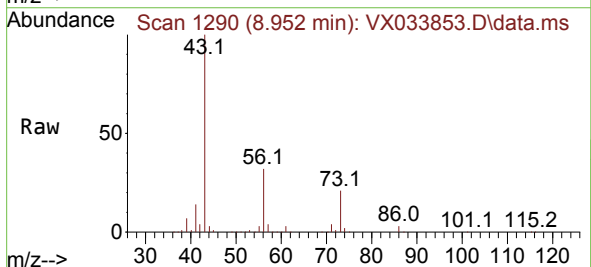
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

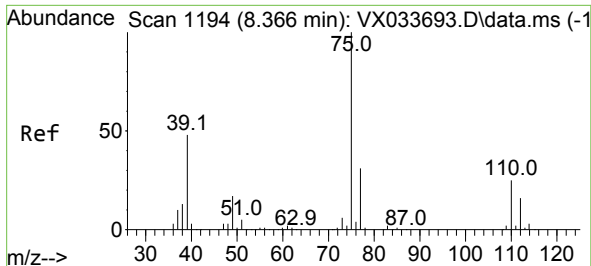
Tgt Ion: 43 Resp: 63552
Ion Ratio Lower Upper
43 100
58 8.8 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.244 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

Tgt Ion: 75 Resp: 527
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

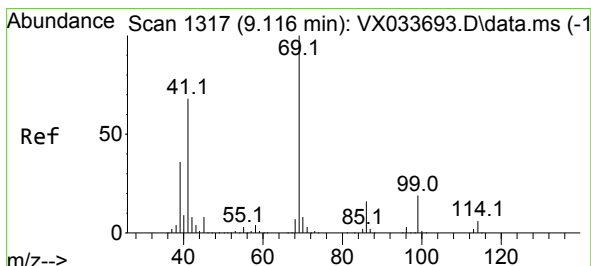
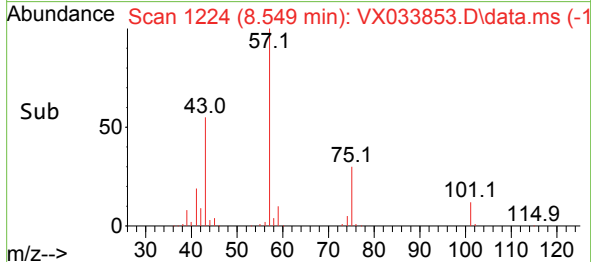
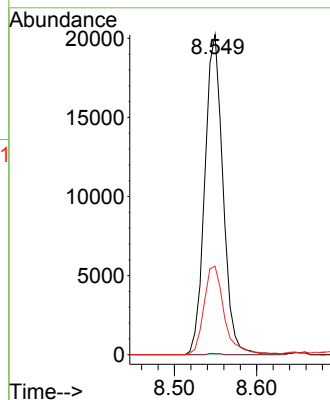
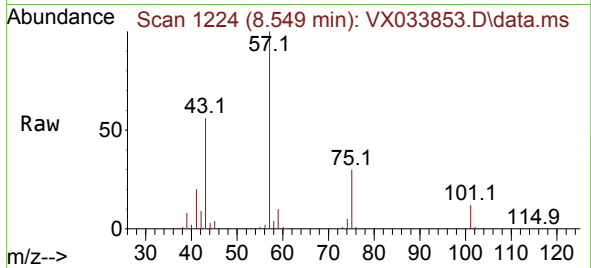




#54
cis-1,3-Dichloropropene
Concen: 12.820 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

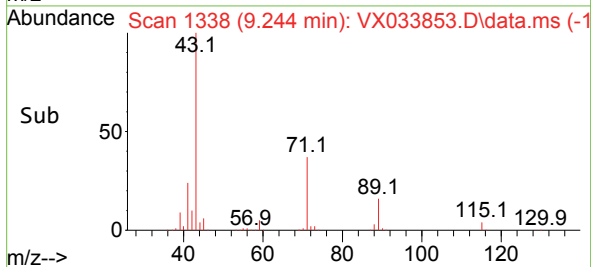
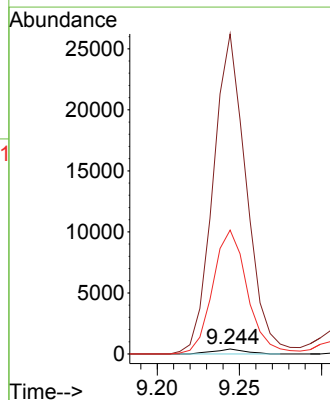
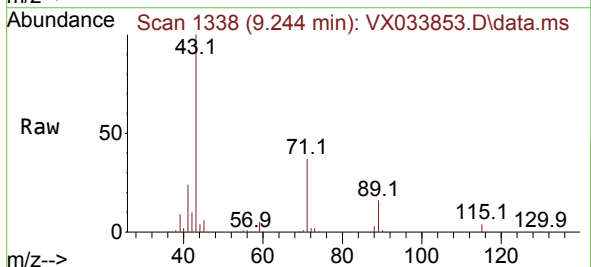
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

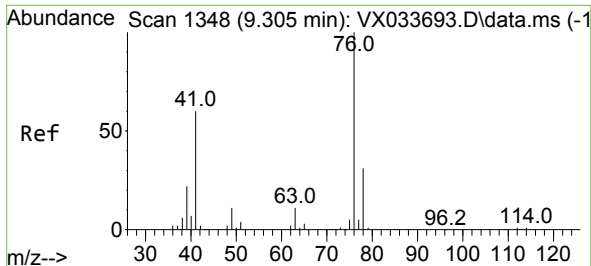
Tgt Ion: 75 Resp: 31084
Ion Ratio Lower Upper
75 100
77 0.3 25.0 37.6#
39 27.7 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.234 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

Tgt Ion: 69 Resp: 540
Ion Ratio Lower Upper
69 100
41 6853.0 55.1 82.7#
39 2765.9 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.558 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

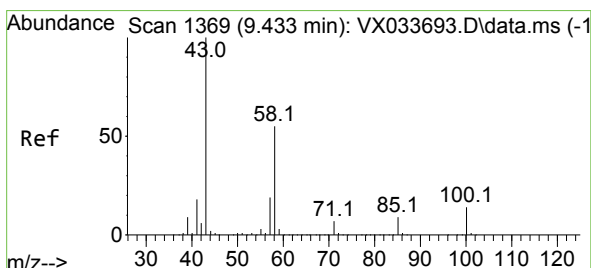
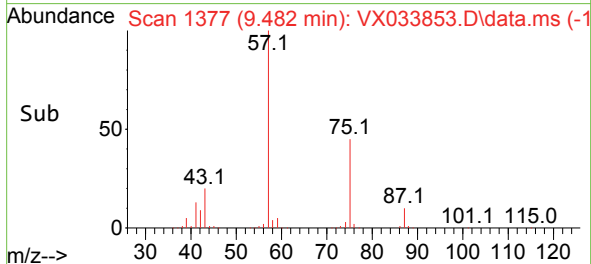
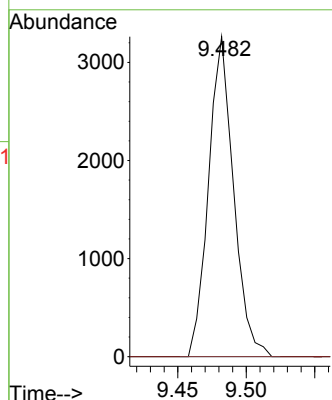
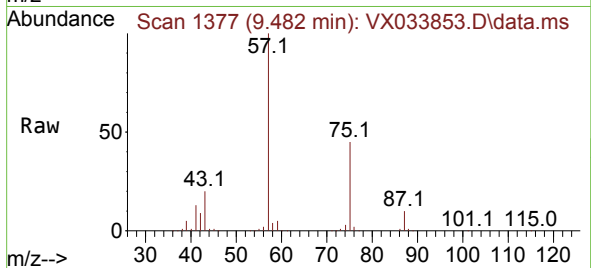
COMP-1

Tgt Ion: 76 Resp: 4144

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.189 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033853.D

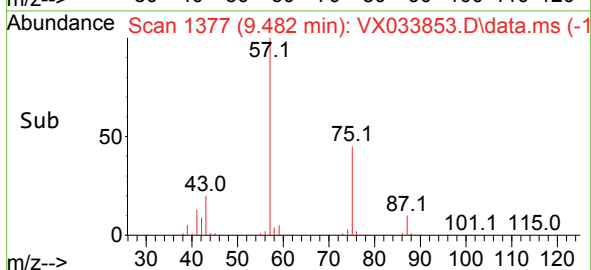
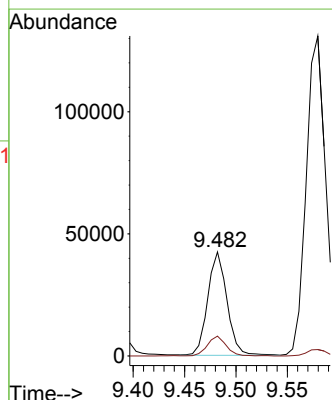
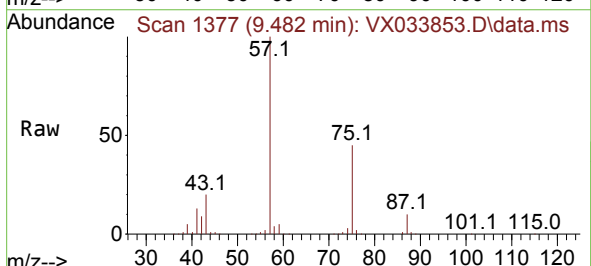
Acq: 23 Jan 2023 16:43

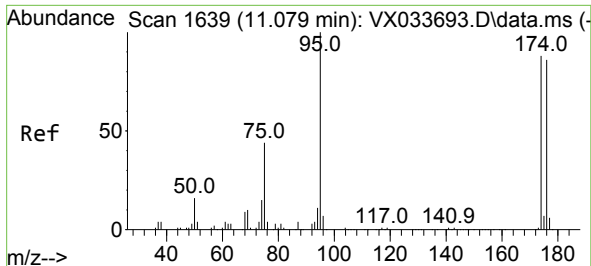
Tgt Ion: 43 Resp: 55249

Ion Ratio Lower Upper

43 100

58 18.9 27.4 82.0#

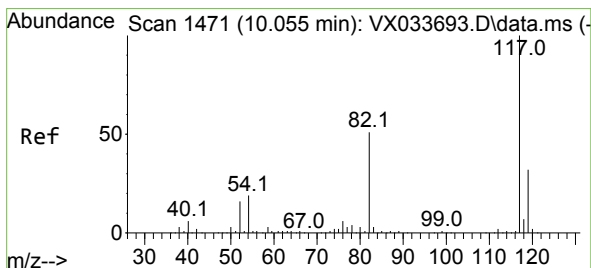
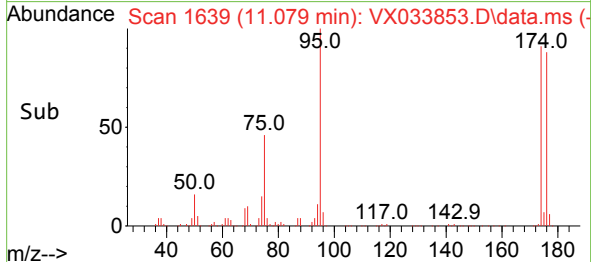
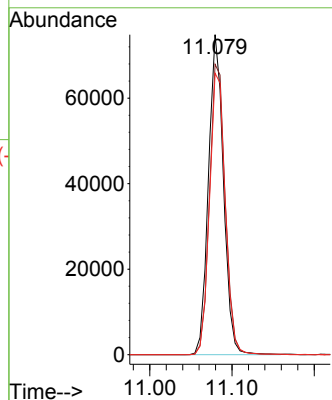
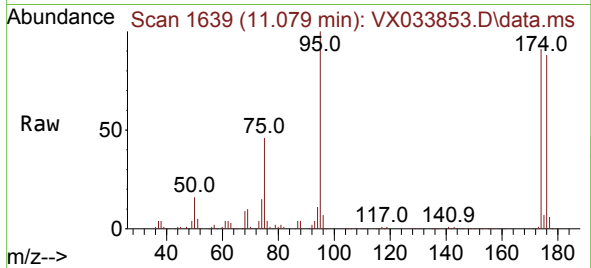




#62
4-Bromofluorobenzene
Concen: 46.513 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

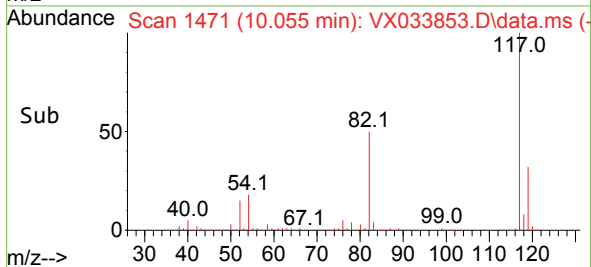
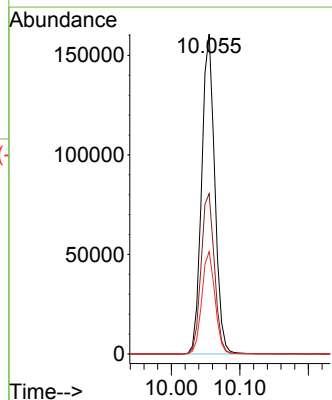
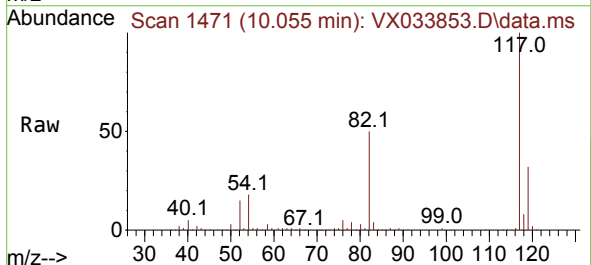
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

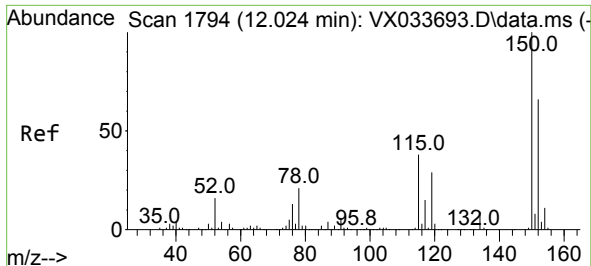
Tgt Ion: 95 Resp: 94914
Ion Ratio Lower Upper
95 100
174 95.1 0.0 184.4
176 92.4 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

Tgt Ion: 117 Resp: 214544
Ion Ratio Lower Upper
117 100
82 50.1 40.6 60.8
119 32.0 25.6 38.4

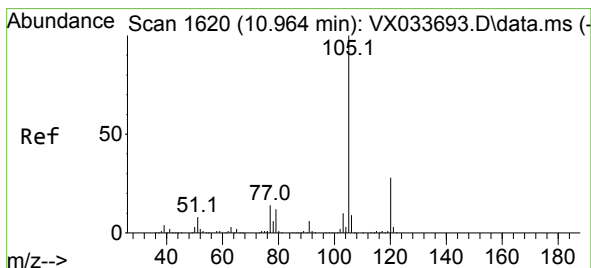
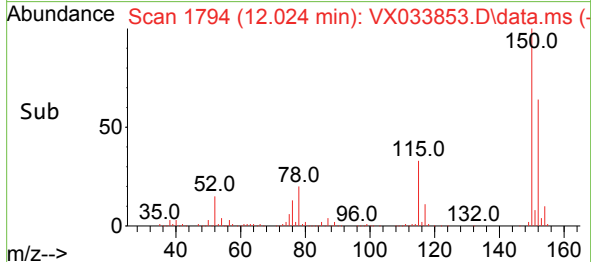
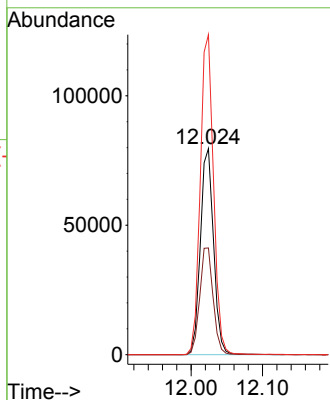
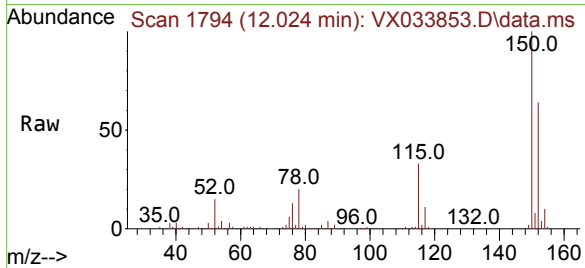




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

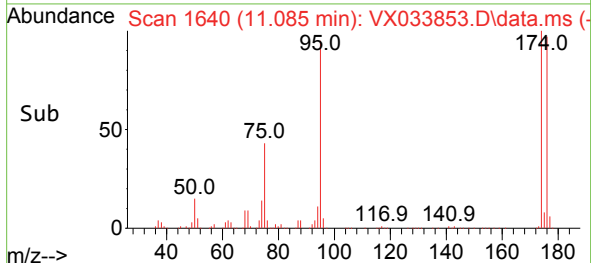
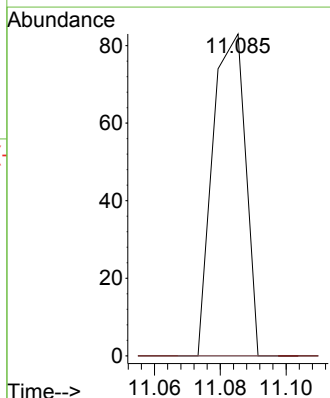
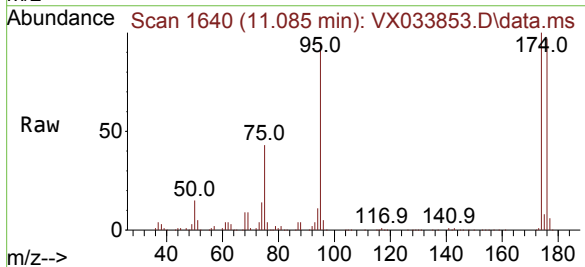
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

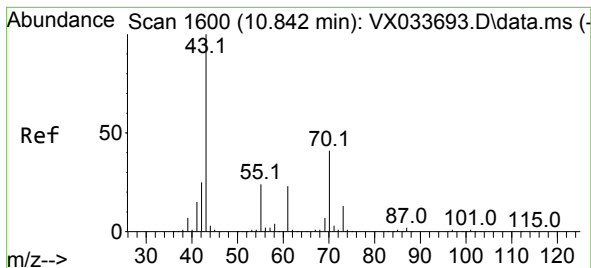
Tgt Ion:152 Resp: 101975
Ion Ratio Lower Upper
152 100
115 52.7 38.7 116.1
150 155.9 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. 0.121 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

Tgt Ion:105 Resp: 57
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#74

N-amy1 acetate

Concen: 0.236 ug/l

RT: 10.903 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

Tgt Ion: 43 Resp: 633

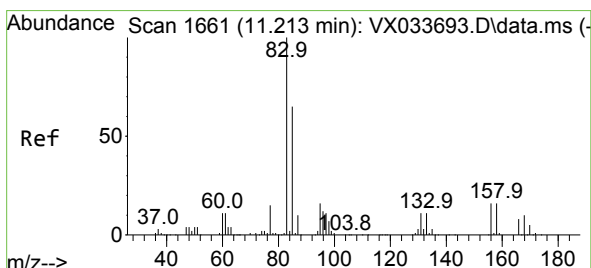
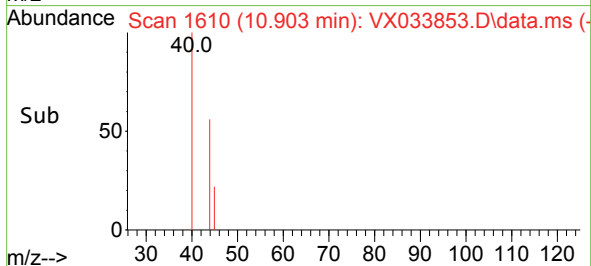
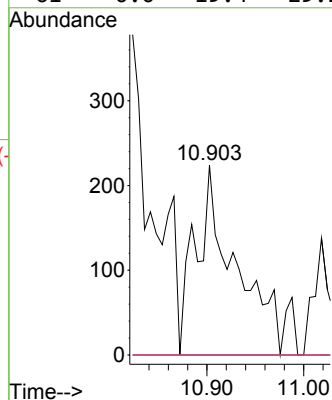
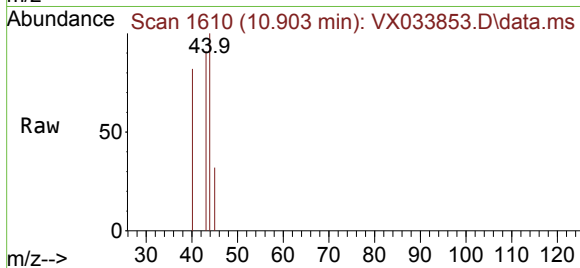
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 0.0 19.4 29.0#

61 0.0 19.4 29.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.085 min Scan# 1640

Delta R.T. -0.128 min

Lab File: VX033853.D

Acq: 23 Jan 2023 16:43

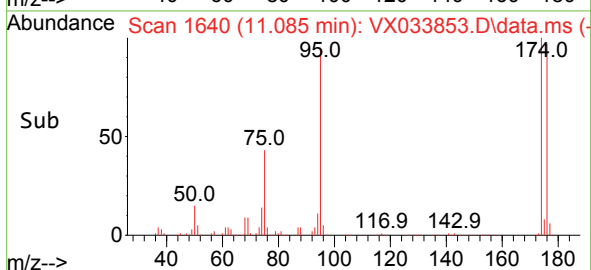
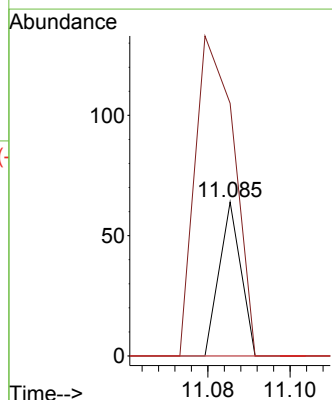
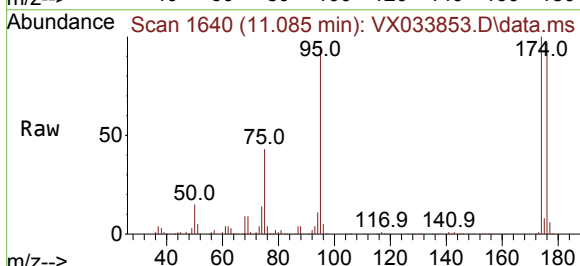
Tgt Ion: 83 Resp: 23

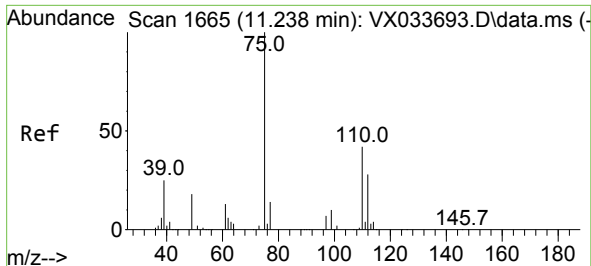
Ion Ratio Lower Upper

83 100

131 378.3 5.5 16.7#

85 0.0 32.3 96.9#

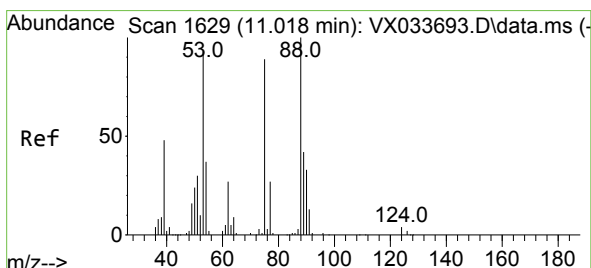
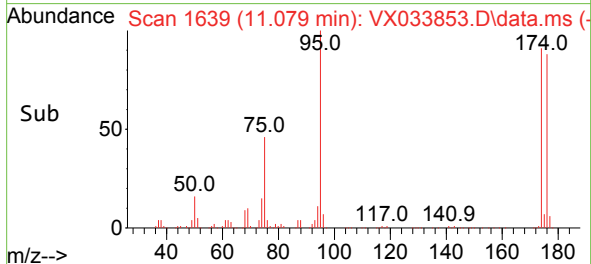
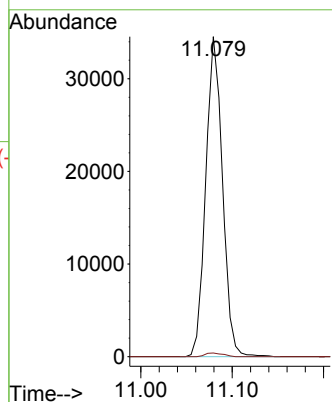
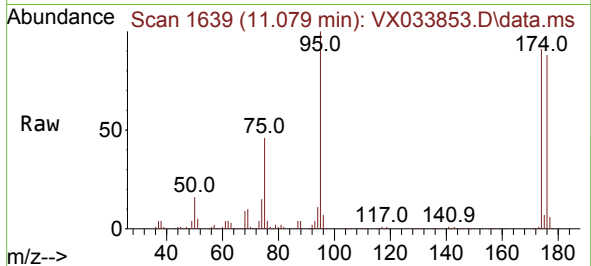




#76
1,2,3-Trichloropropane
Concen: 23.381 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

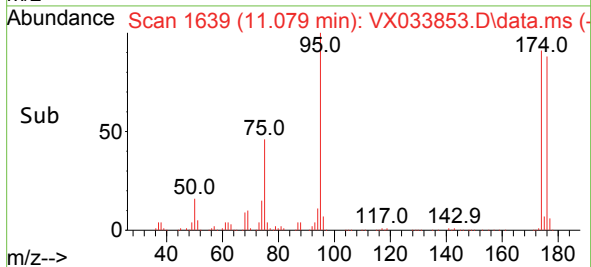
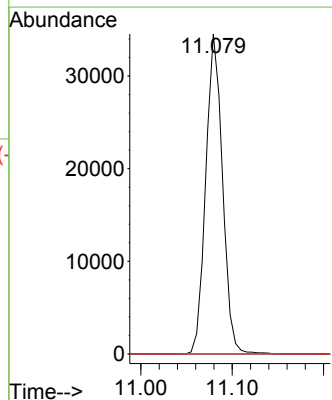
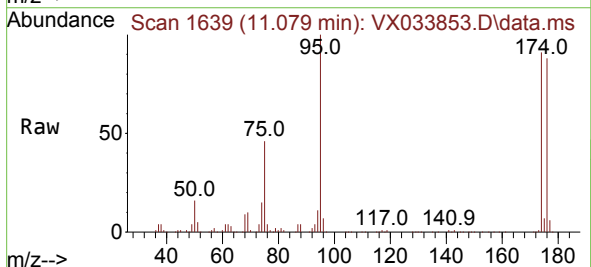
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

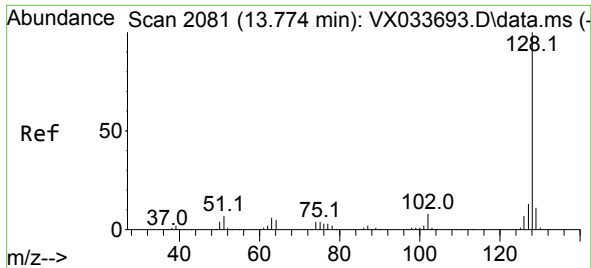
Tgt Ion: 75 Resp: 43807
Ion Ratio Lower Upper
75 100
77 1.3 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.665 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

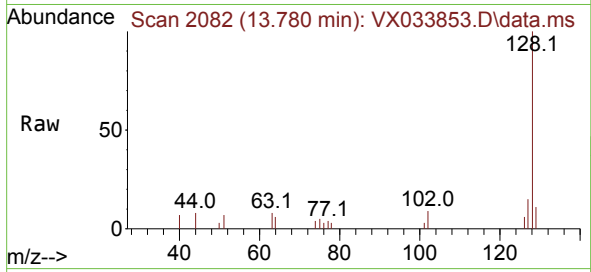
Tgt Ion: 75 Resp: 43807
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.741 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX033853.D
Acq: 23 Jan 2023 16:43

Instrument :
MSVOA_X
ClientSampleId :
COMP-1



Tgt Ion:128 Resp: 4774
Ion Ratio Lower Upper
128 100
127 14.9 10.3 15.5
129 10.3 8.7 13.1

