

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012623\
 Data File : VX033918.D
 Acq On : 26 Jan 2023 18:38
 Operator : JC/MD
 Sample : 01327-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 N48965

Quant Time: Jan 27 02:59:08 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)

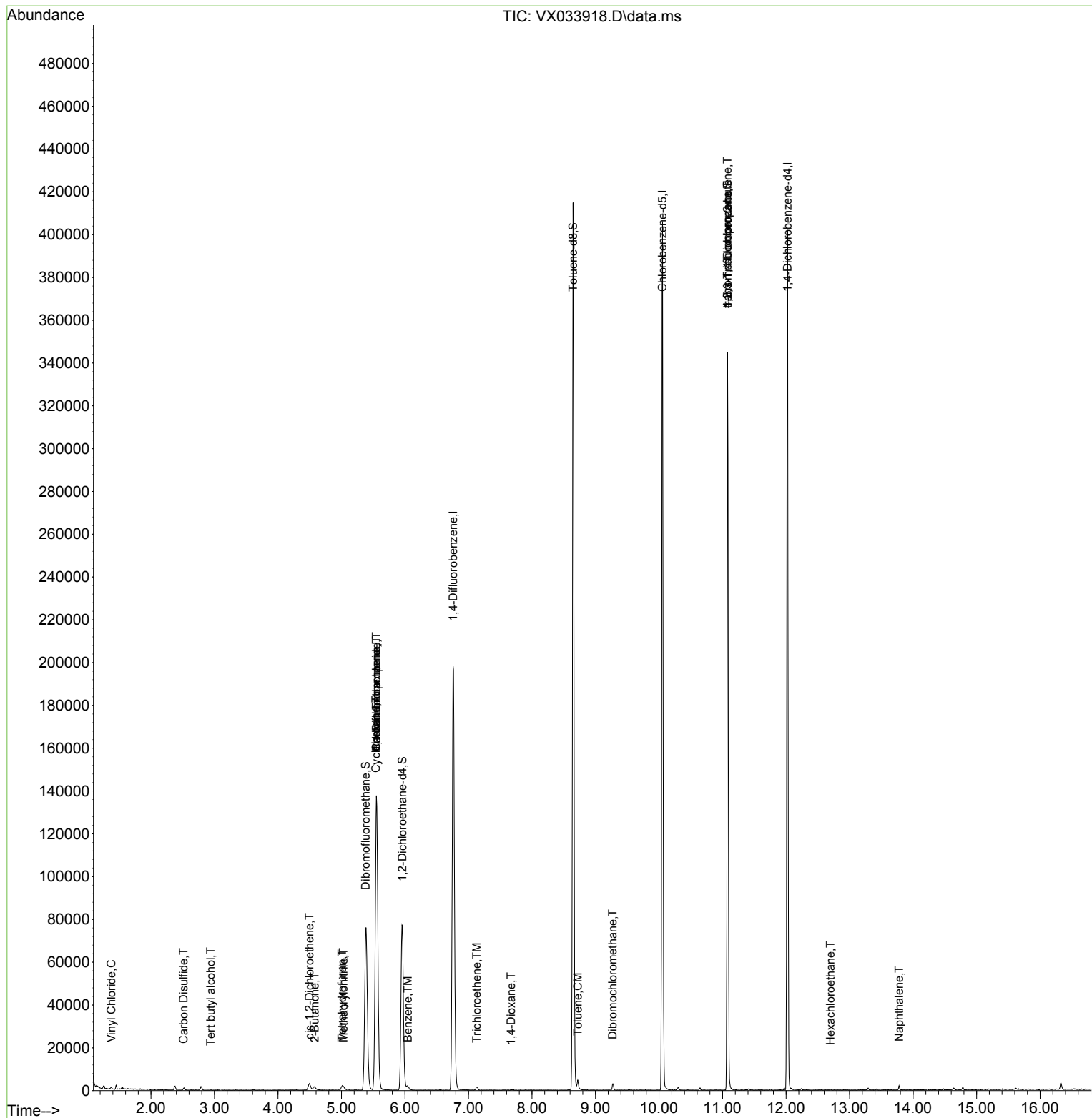
Internal Standards						
1) Pentafluorobenzene	5.550	168	150244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	218704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73960	46.753	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.500%		
35) Dibromofluoromethane	5.379	113	68035	50.098	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.200%		
50) Toluene-d8	8.647	98	249742	50.473	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.940%		
62) 4-Bromofluorobenzene	11.079	95	87654	47.713	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.420%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	636	0.500	ug/l	89
11) Tert butyl alcohol	2.940	59	147	0.535	ug/l #	86
16) Acetone	2.380	43	2214	Below Cal		97
17) Carbon Disulfide	2.514	76	586	2.005	ug/l #	76
20) Methylene Chloride	2.788	84	767	Below Cal	#	89
25) 2-Butanone	4.574	43	3313	3.205	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	2257	1.374	ug/l	90
29) Tetrahydrofuran	5.007	42	2338	3.589	ug/l	97
31) Cyclohexane	5.544	56	2099	0.902	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8821	4.451	ug/l #	48
37) Ethyl Acetate	4.574	43	3313	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	12569	6.123	ug/l #	17
40) Benzene	6.043	78	2314	0.401	ug/l	97
41) Methacrylonitrile	5.031	41	1293	1.184	ug/l #	45
44) Trichloroethene	7.129	130	760	0.470	ug/l	95
49) 1,4-Dioxane	7.671	88	263	7.544	ug/l #	77
52) Toluene	8.720	92	1865	0.500	ug/l	91
60) Dibromochloromethane	9.269	129	634	0.414	ug/l #	11
64) Tetrachloroethene	9.269	164	741	Below Cal		86
73) Isopropylbenzene	10.963	105	75	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	41023	23.202	ug/l #	34
79) 2-Chlorotoluene	11.372	91	212	Below Cal		78
81) trans-1,4-Dichloro-2-b...	11.079	75	41023	72.110	ug/l #	8
82) 4-Chlorotoluene	11.372	91	212	Below Cal		85
90) Hexachloroethane	12.701	117	207	0.214	ug/l #	4
95) Naphthalene	13.780	128	1567	0.258	ug/l #	96

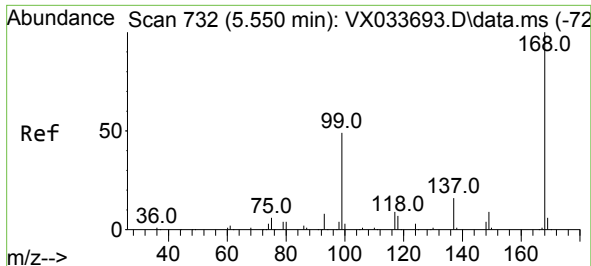
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

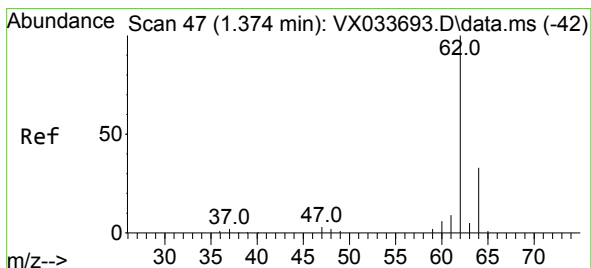
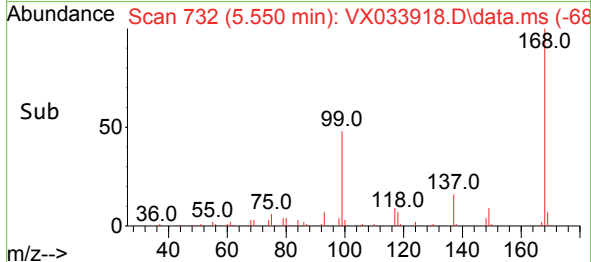
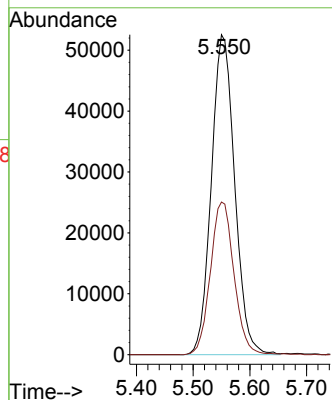
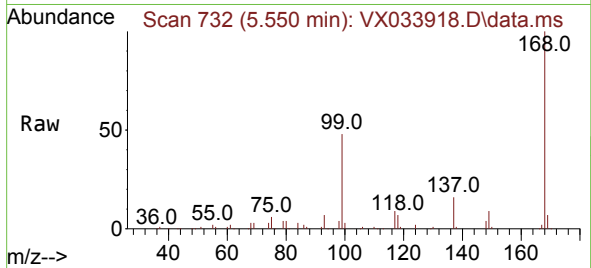
N48965

Tgt Ion:168 Resp: 150244

Ion Ratio Lower Upper

168 100

99 47.7 39.6 59.4



#4

Vinyl Chloride

Concen: 0.500 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX033918.D

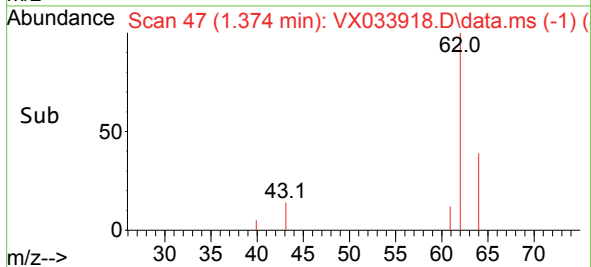
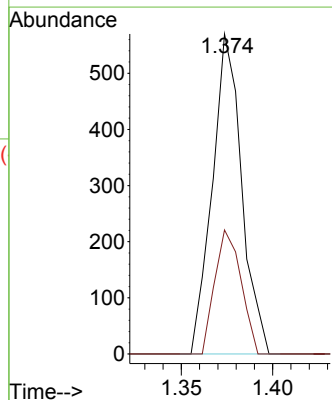
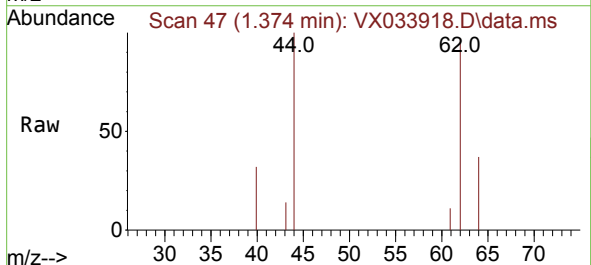
Acq: 26 Jan 2023 18:38

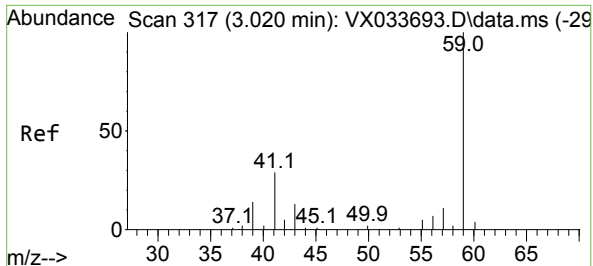
Tgt Ion: 62 Resp: 636

Ion Ratio Lower Upper

62 100

64 38.8 26.2 39.4





#11

Tert butyl alcohol

Concen: 0.535 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.079 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

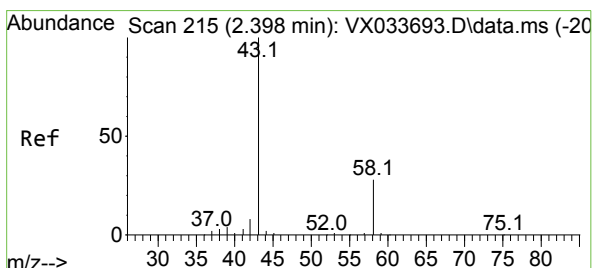
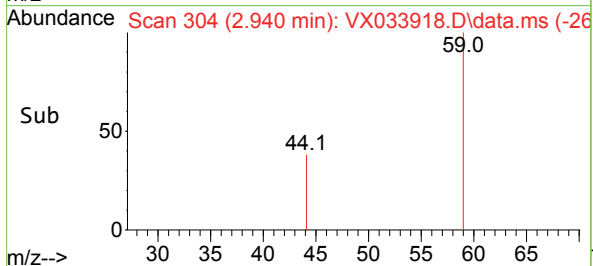
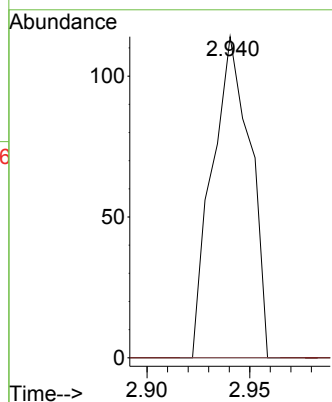
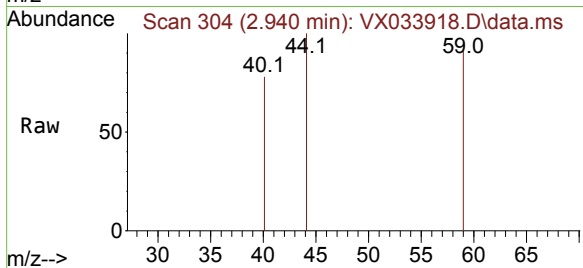
N48965

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: Below Cal

RT: 2.380 min Scan# 212

Delta R.T. -0.018 min

Lab File: VX033918.D

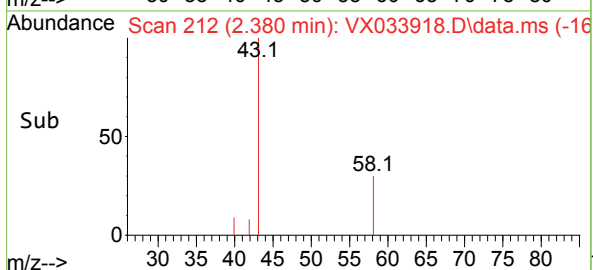
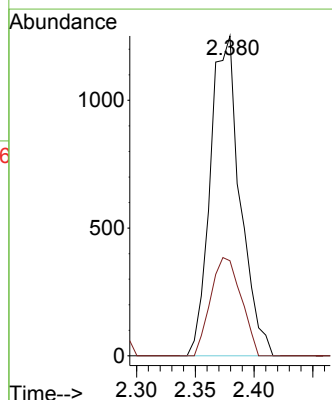
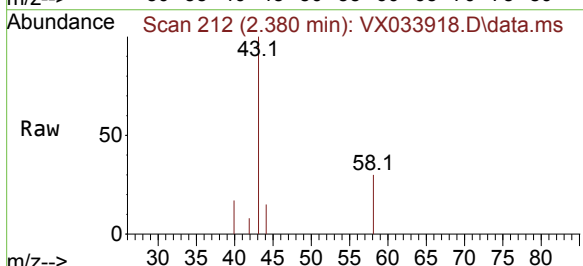
Acq: 26 Jan 2023 18:38

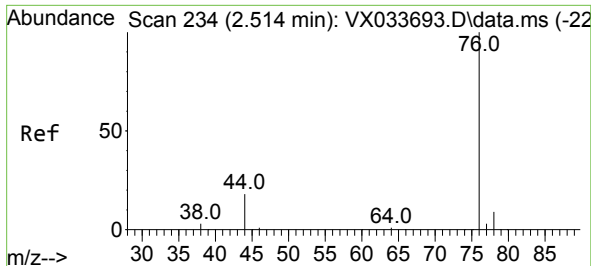
Tgt Ion: 43 Resp: 2214

Ion Ratio Lower Upper

43 100

58 29.7 22.6 33.8





#17

Carbon Disulfide

Concen: 2.005 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

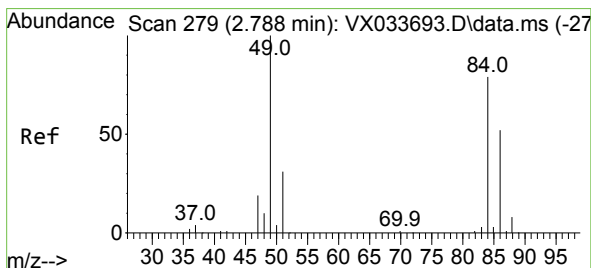
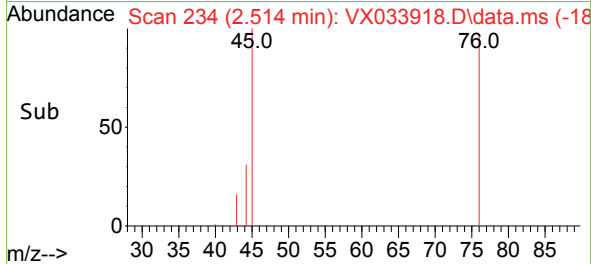
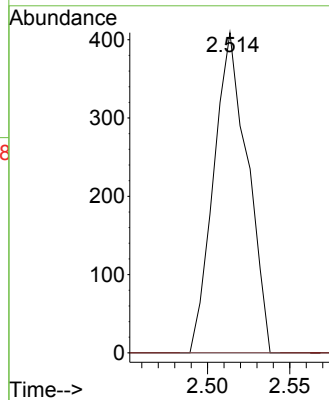
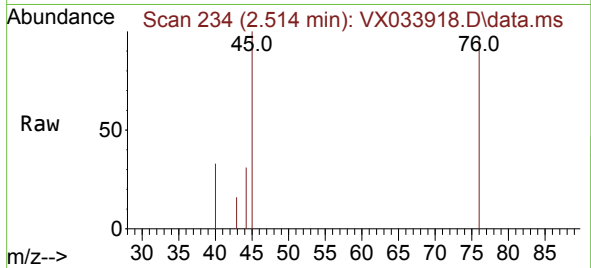
N48965

Tgt Ion: 76 Resp: 586

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Tgt Ion: 84 Resp: 767

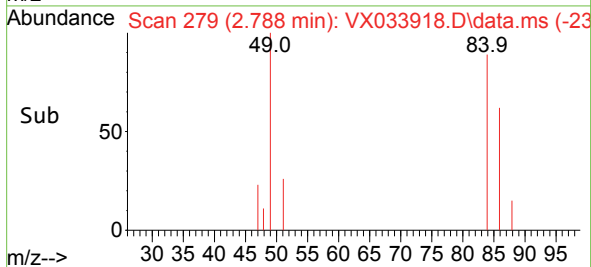
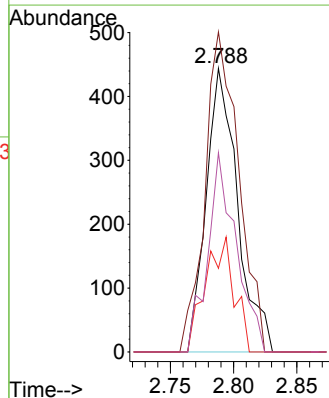
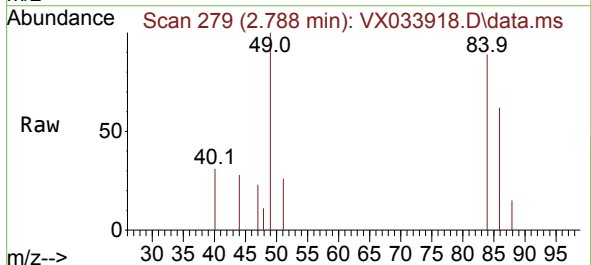
Ion Ratio Lower Upper

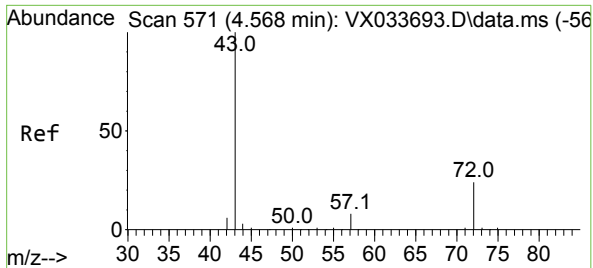
84 100

49 112.8 101.1 151.7

51 29.5 31.0 46.6#

86 70.3 52.6 79.0

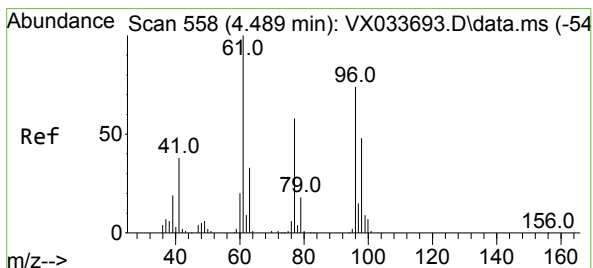
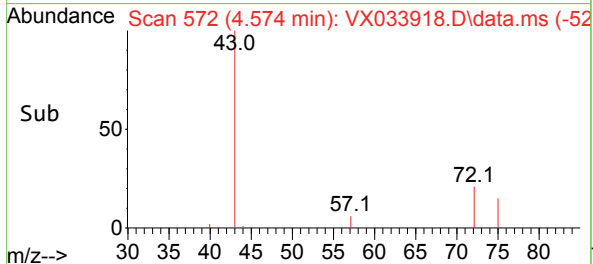
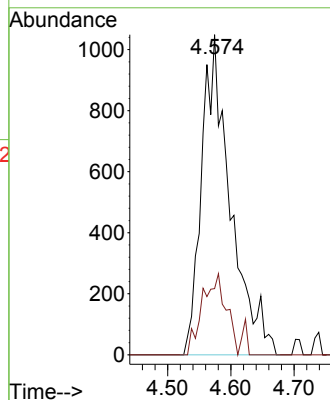
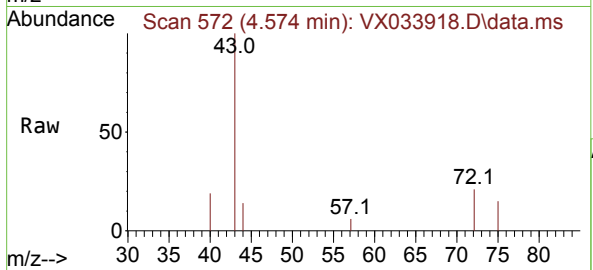




#25
2-Butanone
Concen: 3.205 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

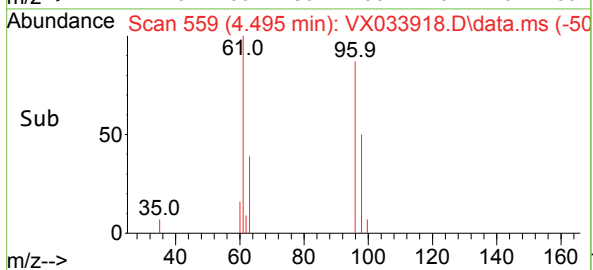
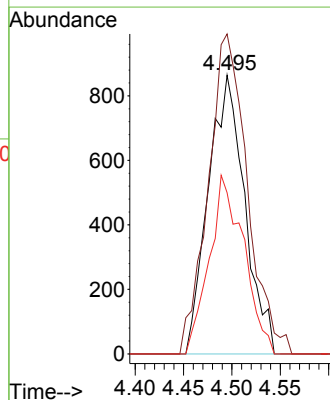
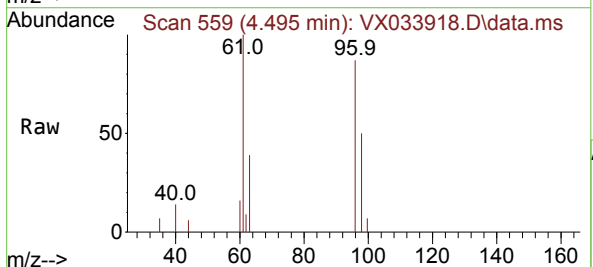
Instrument :
MSVOA_X
ClientSampleId :
N48965

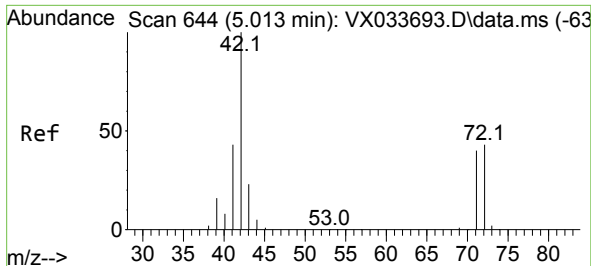
Tgt Ion: 43 Resp: 3313
Ion Ratio Lower Upper
43 100
72 20.7 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 1.374 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

Tgt Ion: 96 Resp: 2257
Ion Ratio Lower Upper
96 100
61 123.4 0.0 277.6
98 60.9 0.0 128.0





#29

Tetrahydrofuran

Concen: 3.589 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

N48965

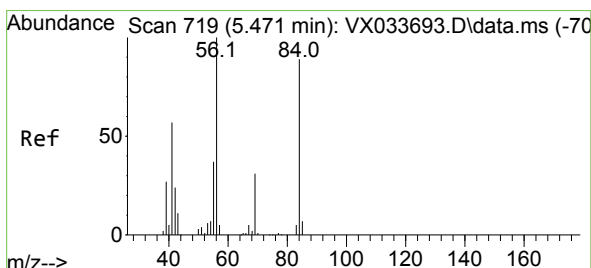
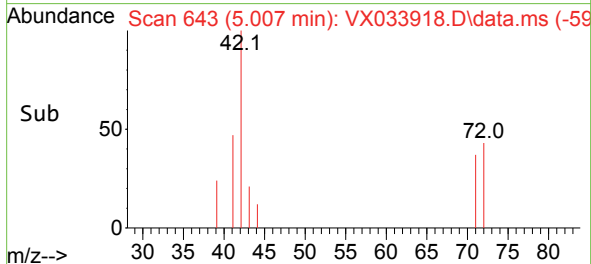
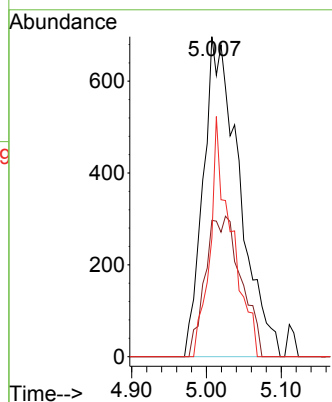
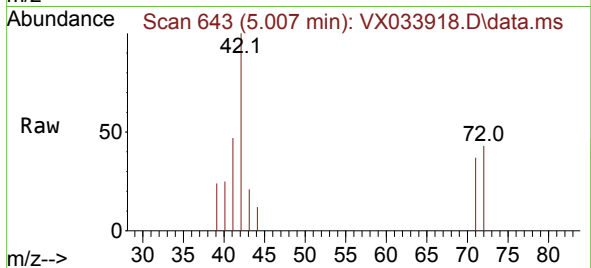
Tgt Ion: 42 Resp: 2338

Ion Ratio Lower Upper

42 100

72 43.5 34.8 52.2

71 44.3 32.2 48.2



#31

Cyclohexane

Concen: 0.902 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

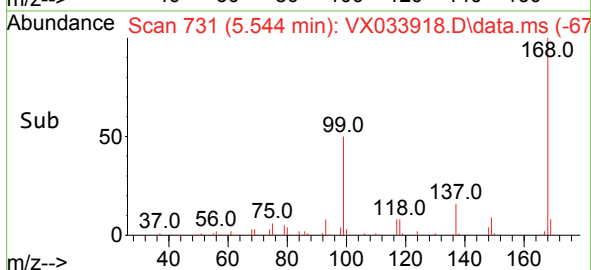
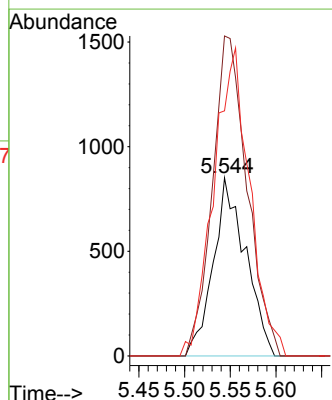
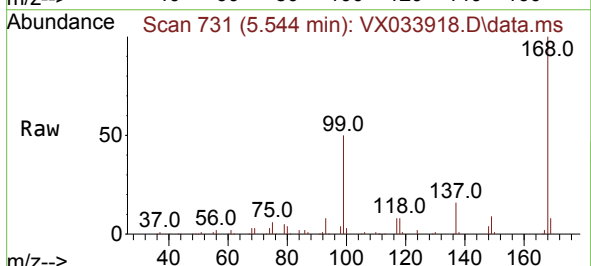
Tgt Ion: 56 Resp: 2099

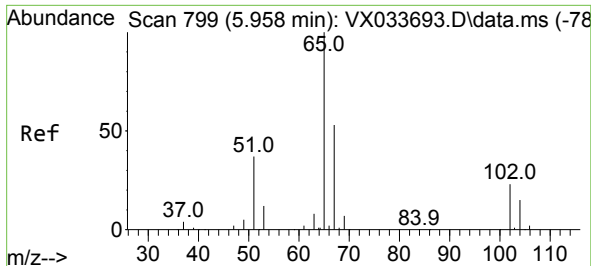
Ion Ratio Lower Upper

56 100

69 179.7 24.6 37.0#

84 137.6 71.0 106.6#

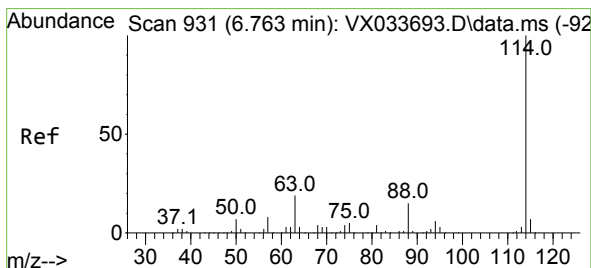
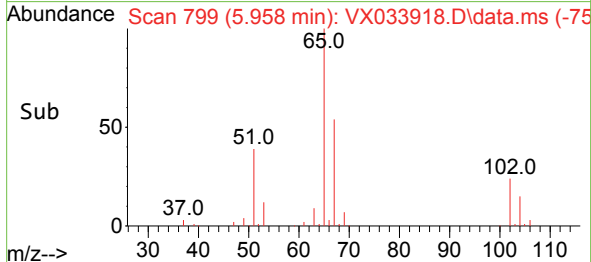
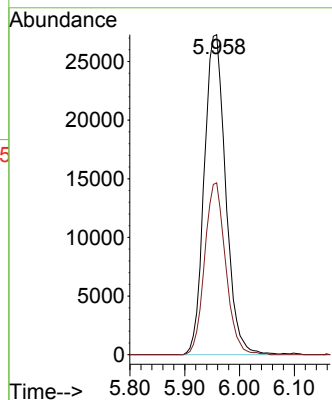
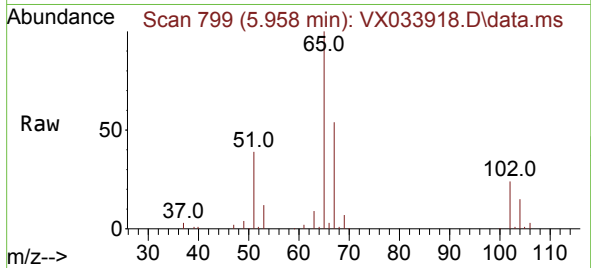




#33
1,2-Dichloroethane-d4
Concen: 46.753 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

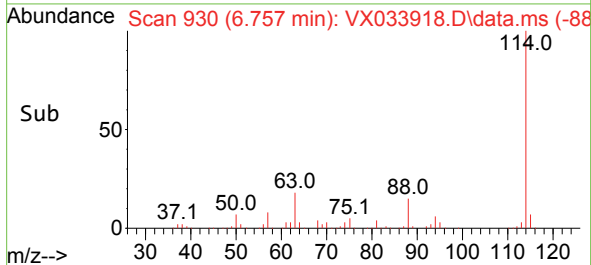
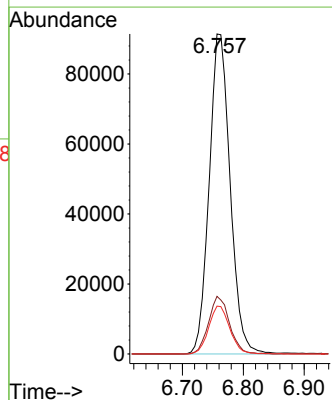
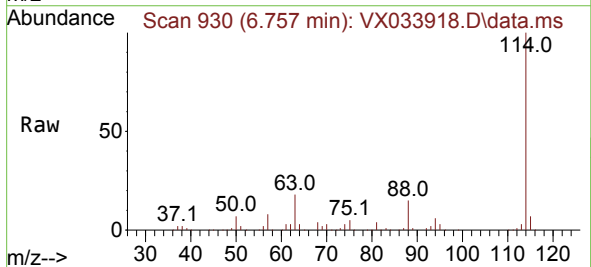
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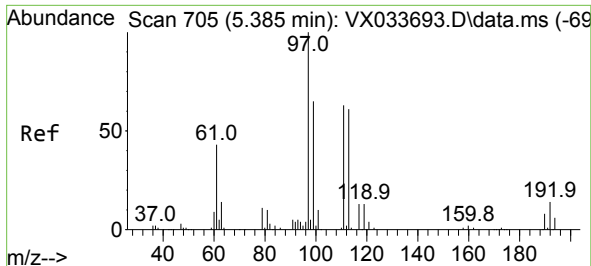
Tgt Ion: 65 Resp: 73960
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

Tgt Ion: 114 Resp: 218704
Ion Ratio Lower Upper
114 100
63 18.0 0.0 37.4
88 15.0 0.0 30.6

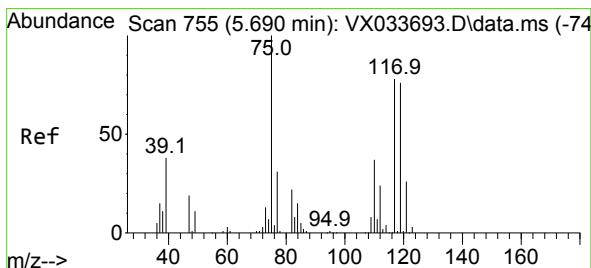
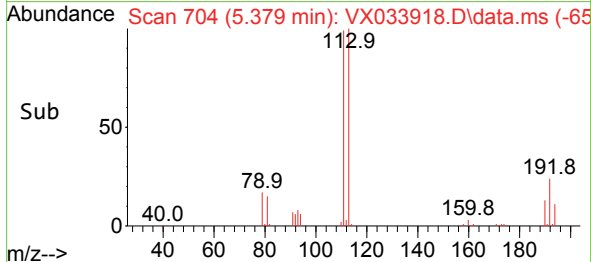
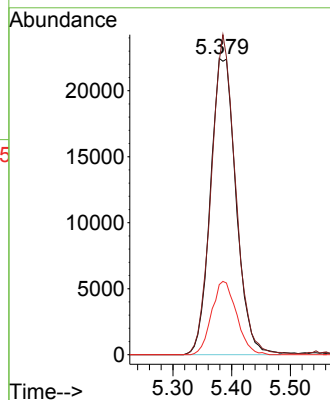
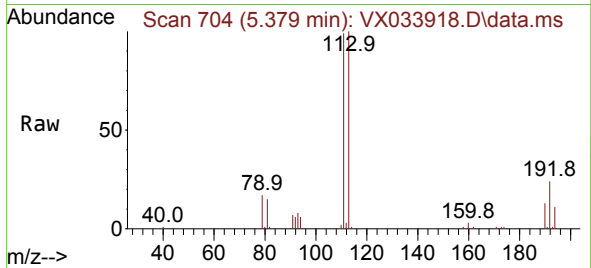




#35
 Dibromofluoromethane
 Concen: 50.098 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX033918.D
 Acq: 26 Jan 2023 18:38

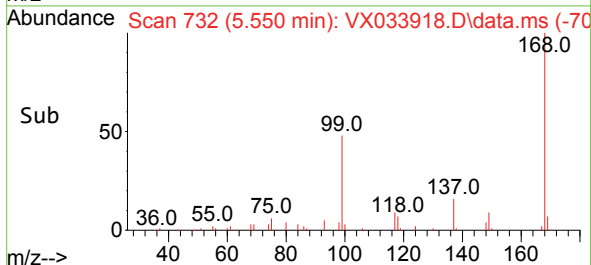
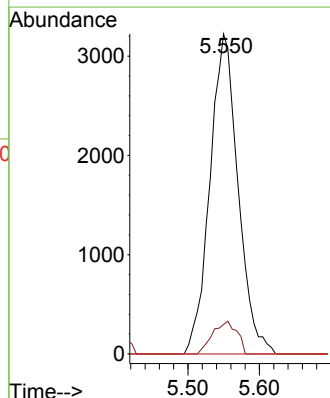
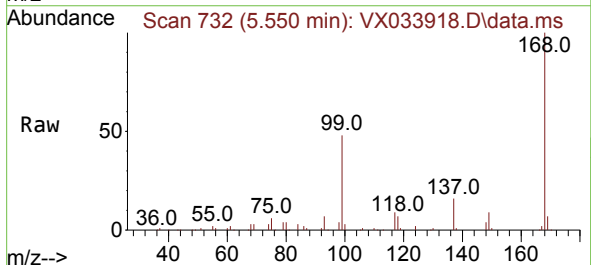
Instrument :
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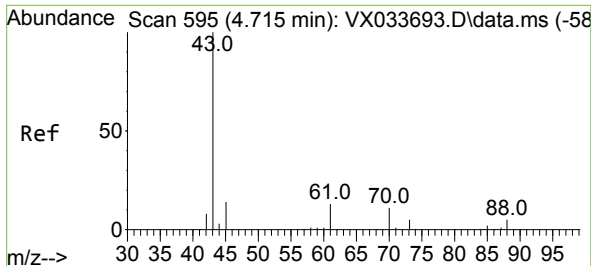
Tgt Ion:113 Resp: 68035
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.6
 192 24.0 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 4.451 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX033918.D
 Acq: 26 Jan 2023 18:38

Tgt Ion: 75 Resp: 8821
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.8 56.4#
 77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.574 min Scan# 51

Delta R.T. -0.141 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

N48965

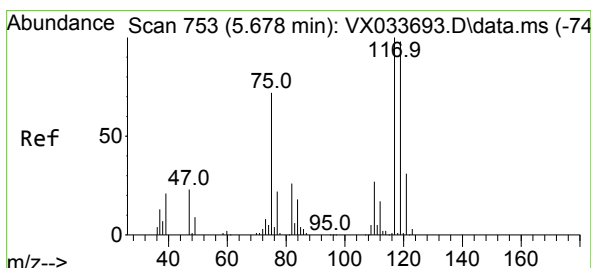
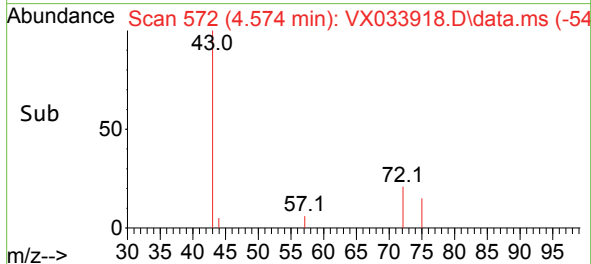
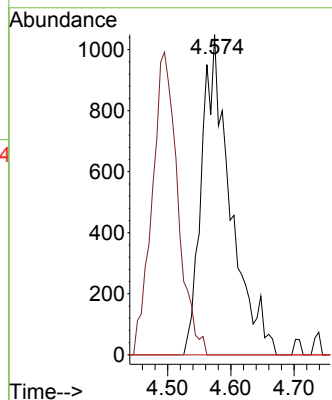
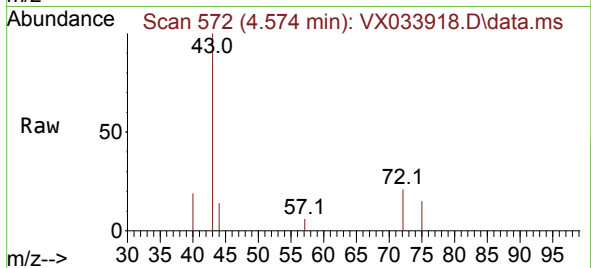
Tgt Ion: 43 Resp: 3313

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.123 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

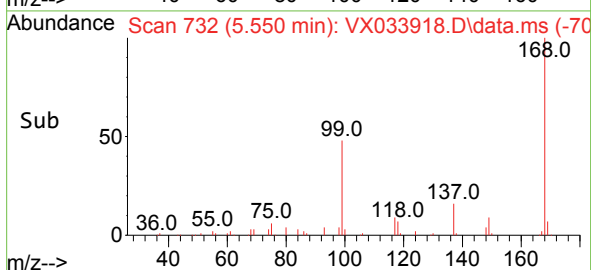
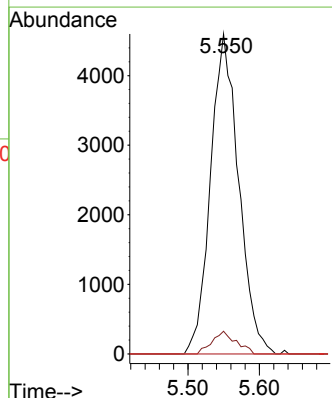
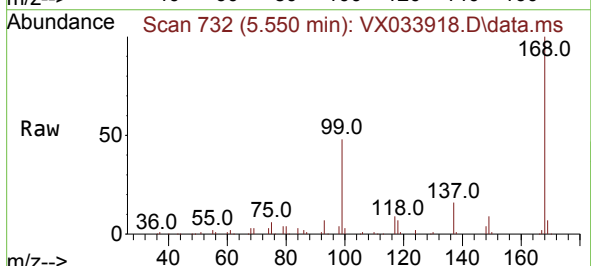
Tgt Ion: 117 Resp: 12569

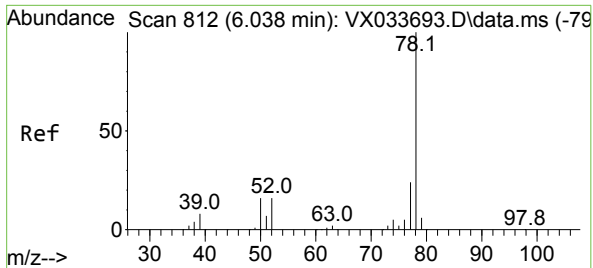
Ion Ratio Lower Upper

117 100

119 7.1 78.0 117.0#

121 0.0 24.4 36.6#





#40

Benzene

Concen: 0.401 ug/l

RT: 6.043 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

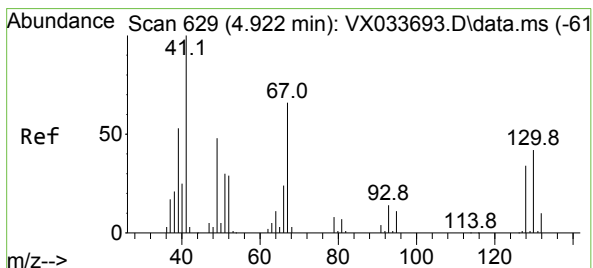
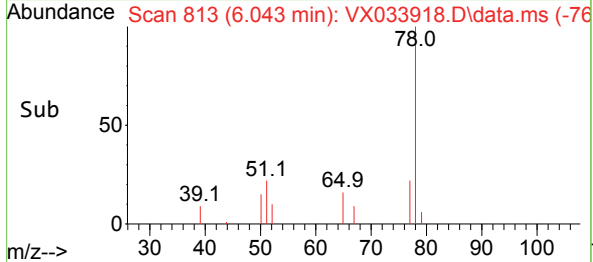
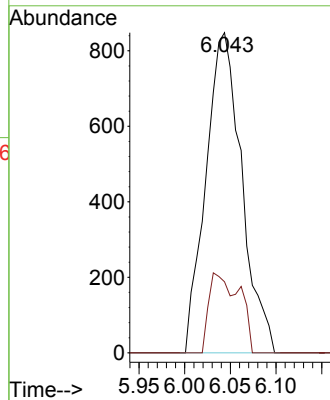
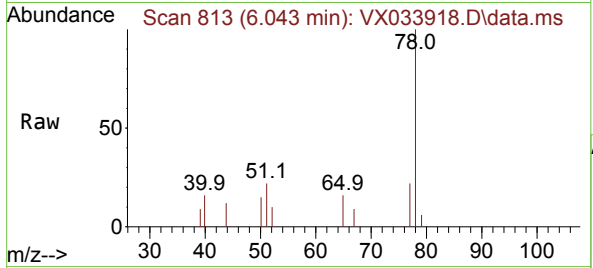
N48965

Tgt Ion: 78 Resp: 2314

Ion Ratio Lower Upper

78 100

77 22.2 19.0 28.4



#41

Methacrylonitrile

Concen: 1.184 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.110 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Tgt Ion: 41 Resp: 1293

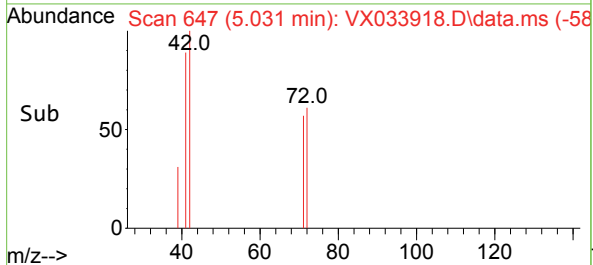
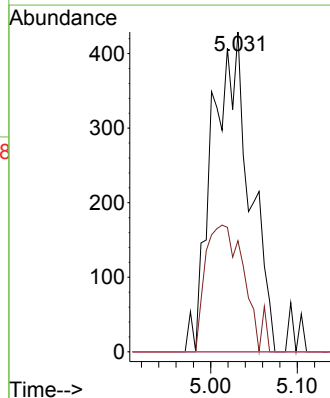
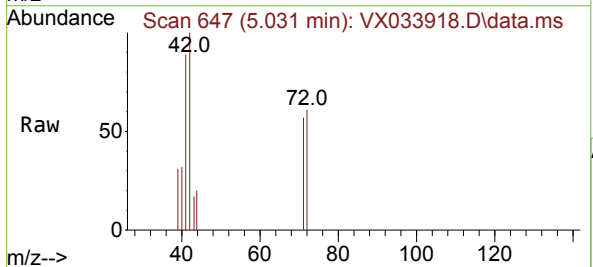
Ion Ratio Lower Upper

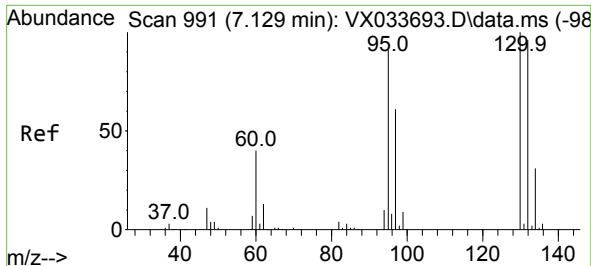
41 100

39 40.9 43.8 65.6#

67 0.0 54.8 82.2#

52 0.0 23.0 34.6#

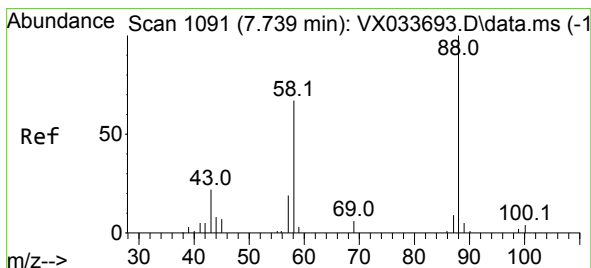
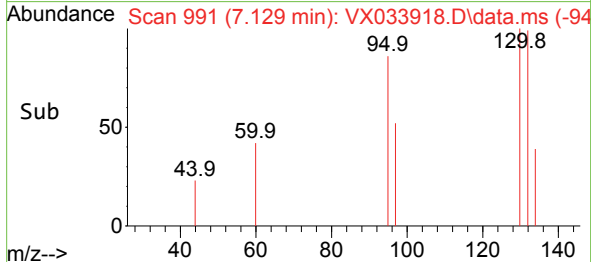
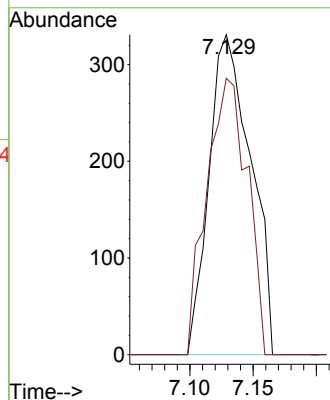
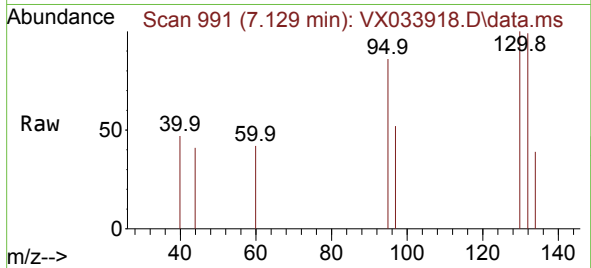




#44
Trichloroethene
Concen: 0.470 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

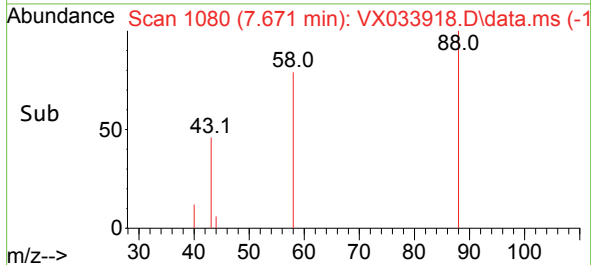
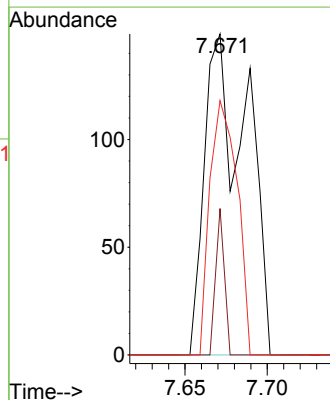
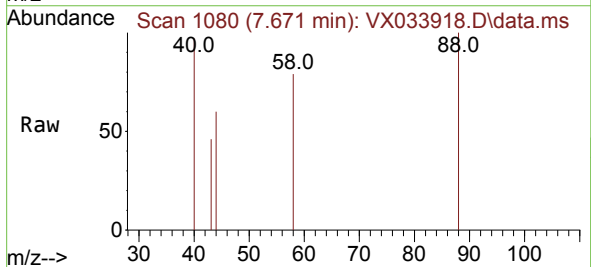
Instrument :
MSVOA_X
ClientSampleId :
N48965

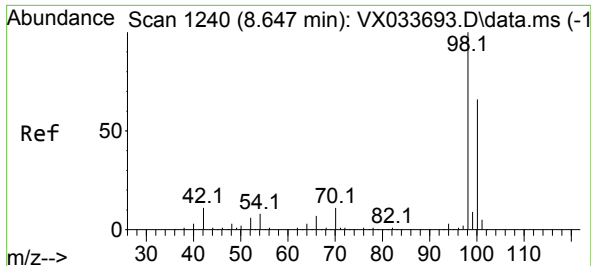
Tgt Ion:130 Resp: 760
Ion Ratio Lower Upper
130 100
95 86.4 0.0 182.6



#49
1,4-Dioxane
Concen: 7.544 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.067 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

Tgt Ion: 88 Resp: 263
Ion Ratio Lower Upper
88 100
43 9.5 0.0 0.0#
58 51.7 56.5 84.7#





#50

Toluene-d8

Concen: 50.473 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

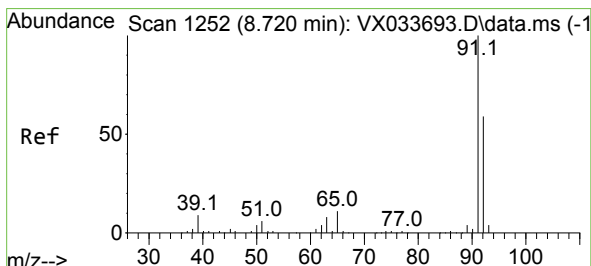
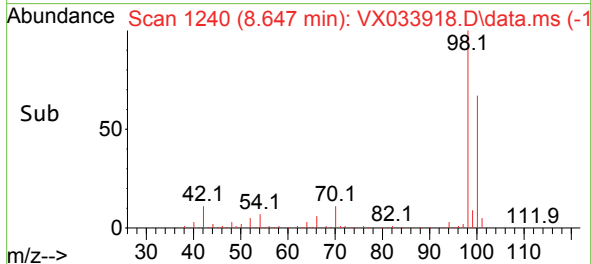
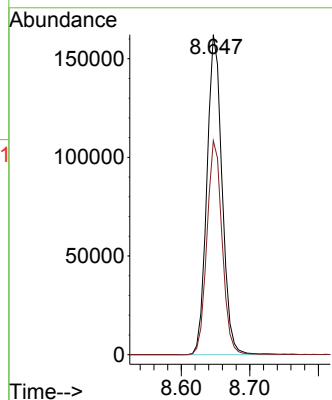
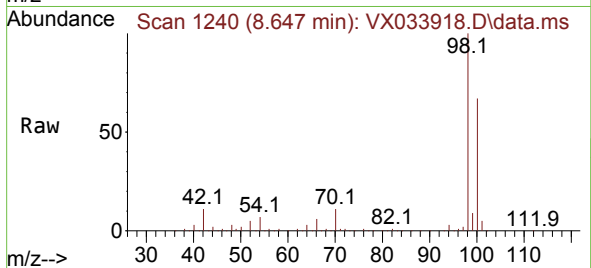
N48965

Tgt Ion: 98 Resp: 249742

Ion Ratio Lower Upper

98 100

100 67.0 53.6 80.4



#52

Toluene

Concen: 0.500 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX033918.D

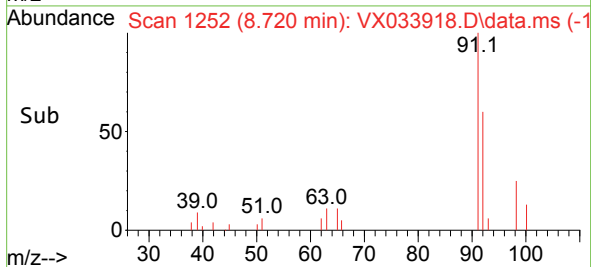
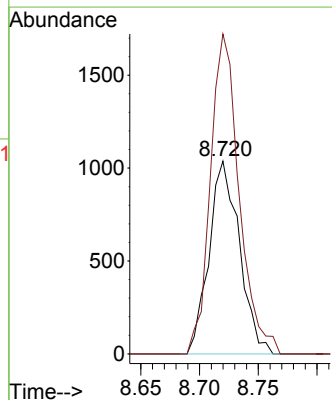
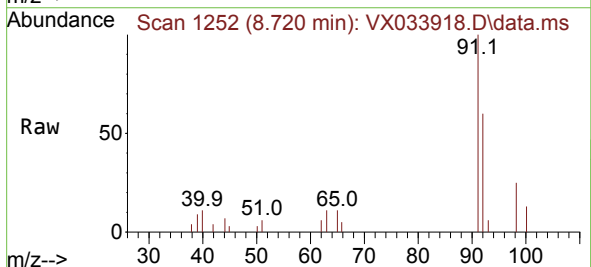
Acq: 26 Jan 2023 18:38

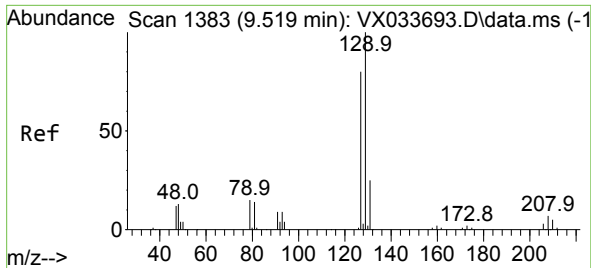
Tgt Ion: 92 Resp: 1865

Ion Ratio Lower Upper

92 100

91 157.4 135.5 203.3

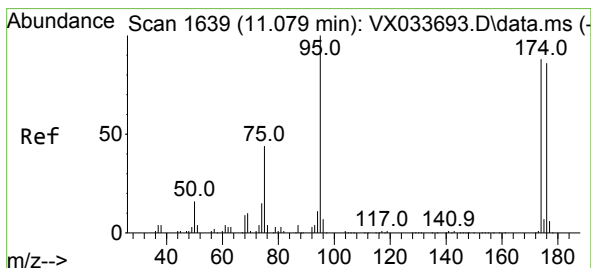
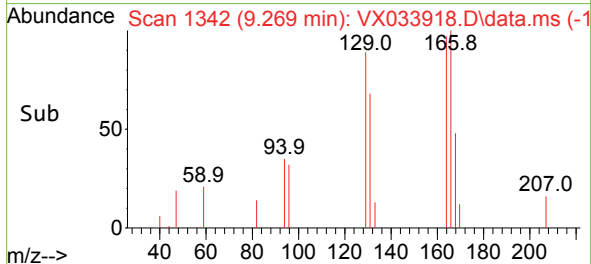
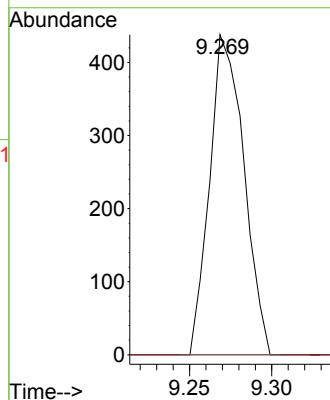
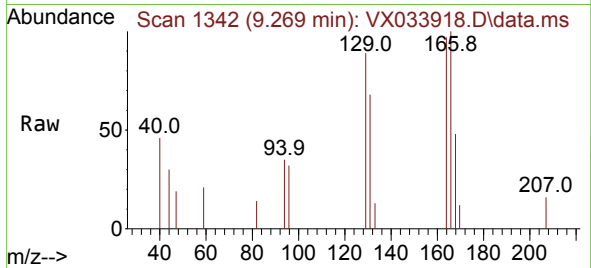




#60
Dibromochloromethane
Concen: 0.414 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

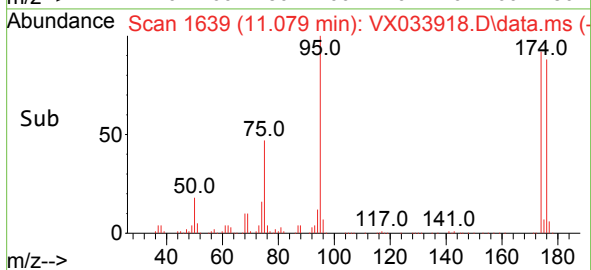
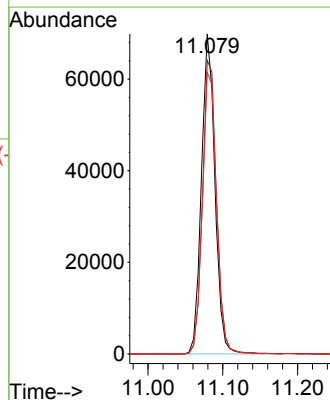
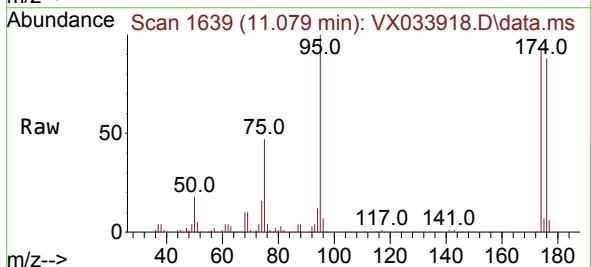
Instrument :
MSVOA_X
ClientSampleId :
N48965

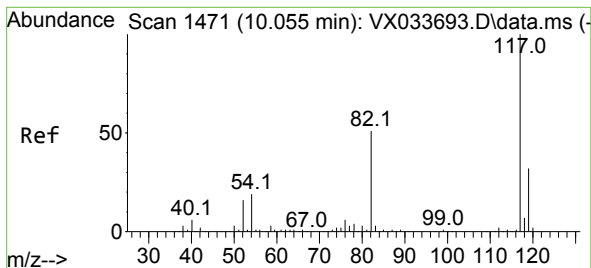
Tgt Ion:129 Resp: 634
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 47.713 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

Tgt Ion: 95 Resp: 87654
Ion Ratio Lower Upper
95 100
174 95.6 0.0 184.4
176 92.5 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: VX033918.D

Acq: 26 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

N48965

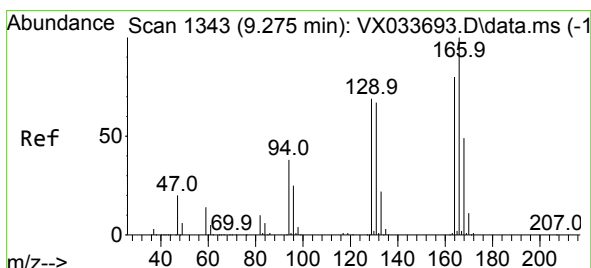
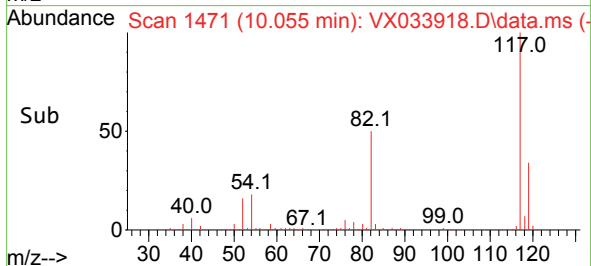
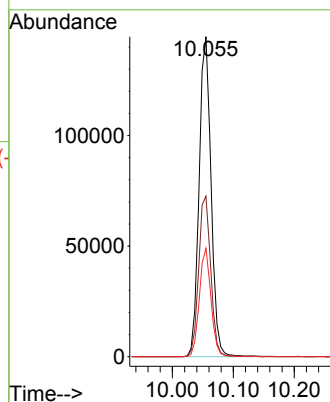
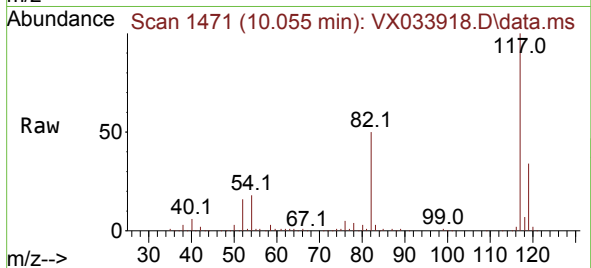
Tgt Ion:117 Resp: 196818

Ion Ratio Lower Upper

117 100

82 50.1 40.6 60.8

119 33.9 25.6 38.4



#64

Tetrachloroethene

Concen: Below Cal

RT: 9.269 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Tgt Ion:164 Resp: 741

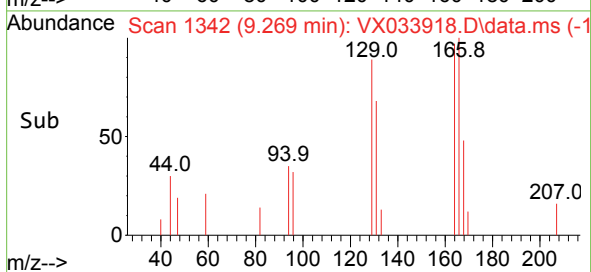
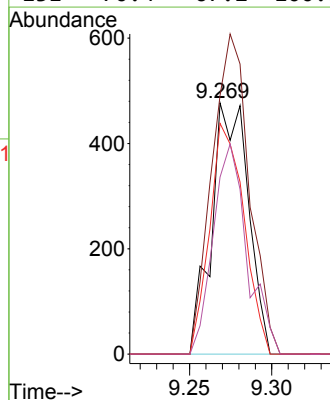
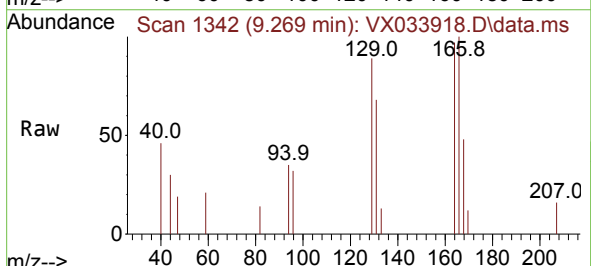
Ion Ratio Lower Upper

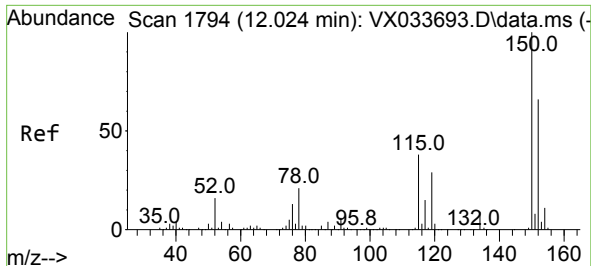
164 100

166 102.9 100.2 150.2

129 91.8 69.2 103.8

131 70.4 67.2 100.8

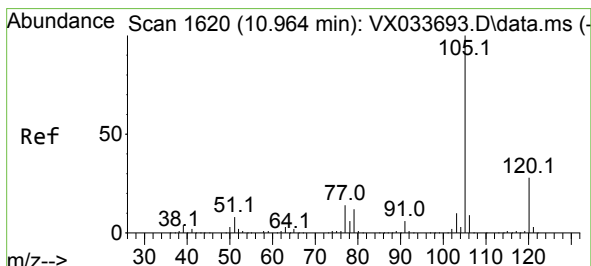
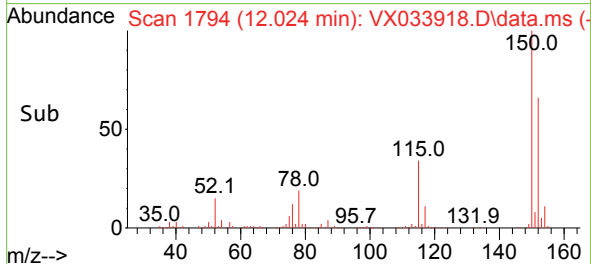
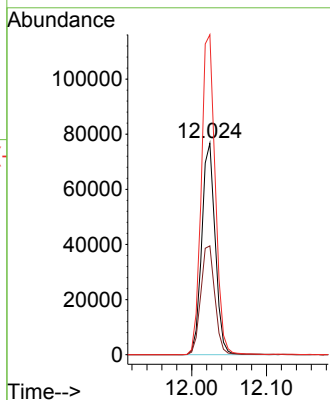
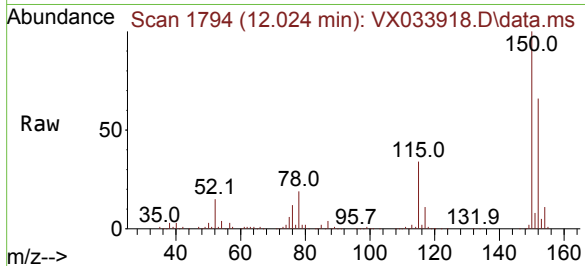




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

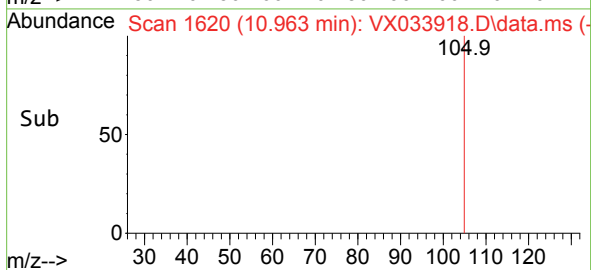
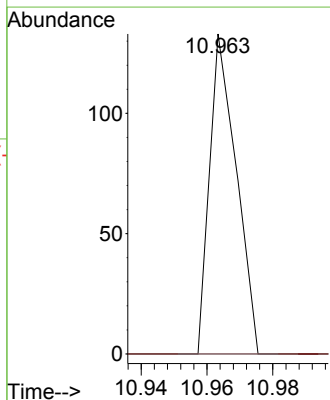
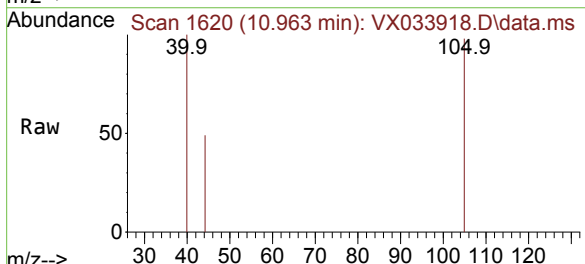
Instrument :
MSVOA_X
ClientSampleId :
N48965

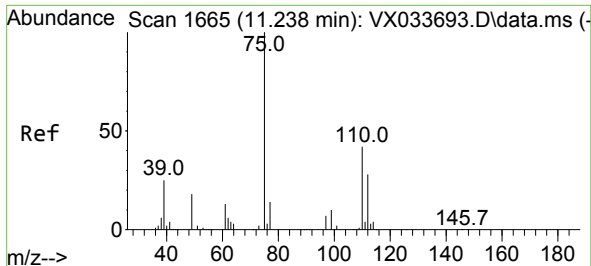
Tgt Ion:152 Resp: 96229
Ion Ratio Lower Upper
152 100
115 54.0 38.7 116.1
150 156.5 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

Tgt Ion:105 Resp: 75
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#

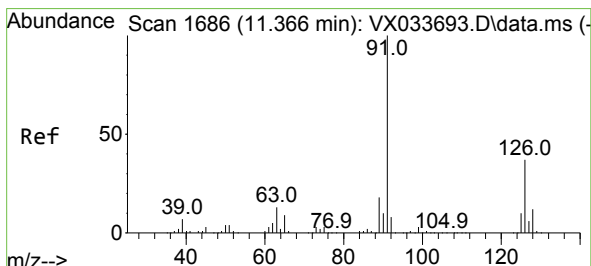
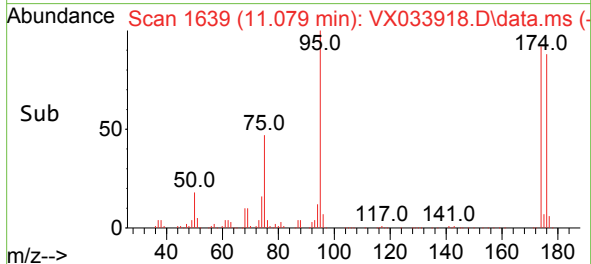
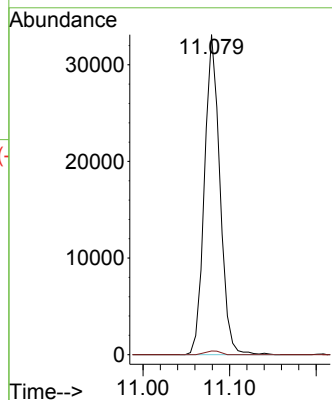
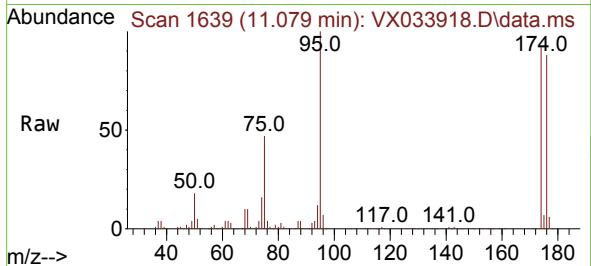




#76
1,2,3-Trichloropropane
Concen: 23.202 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

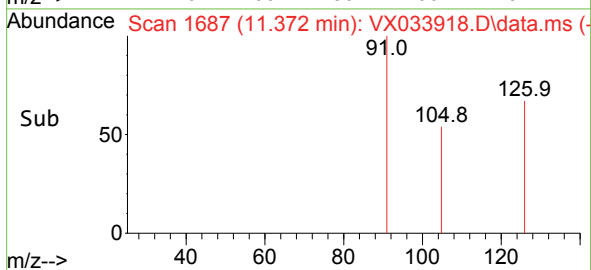
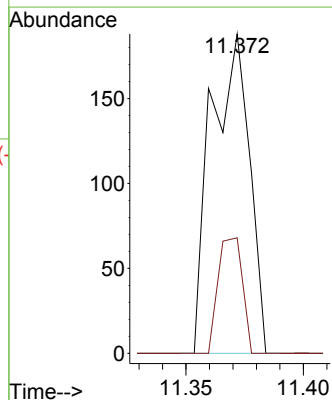
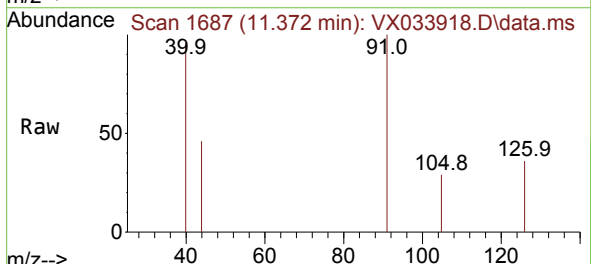
Instrument :
MSVOA_X
ClientSampleId :
N48965

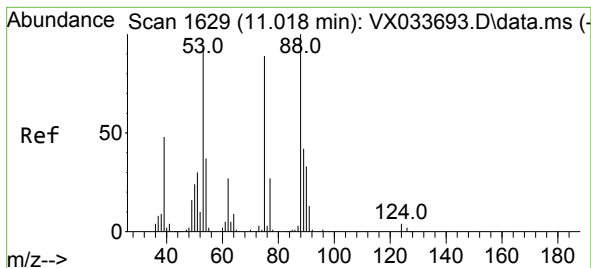
Tgt Ion: 75 Resp: 41023
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.372 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

Tgt Ion: 91 Resp: 212
Ion Ratio Lower Upper
91 100
126 23.1 18.1 54.1

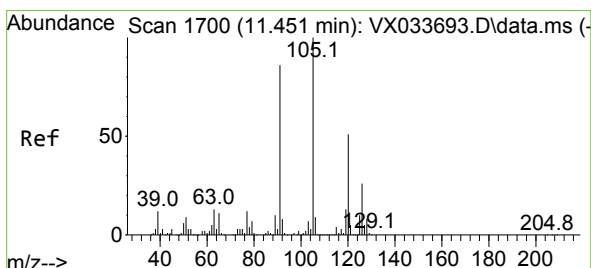
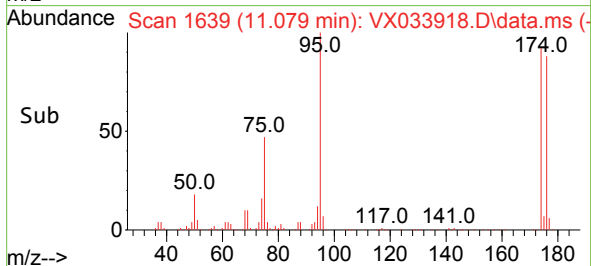
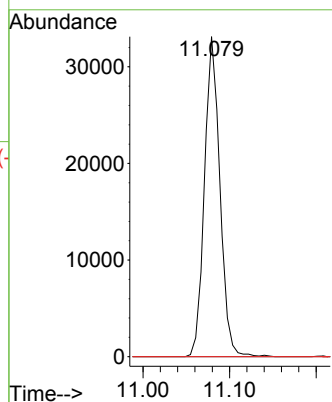
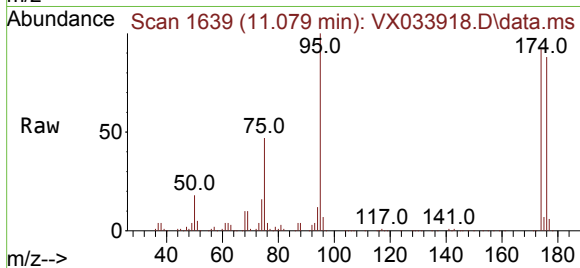




#81
trans-1,4-Dichloro-2-butene
Concen: 72.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

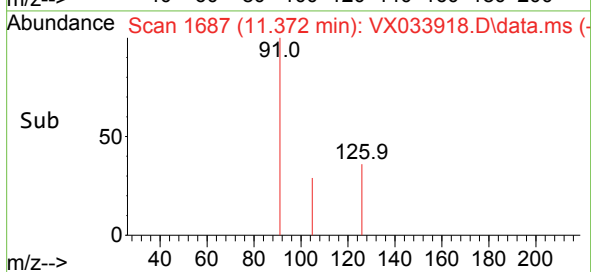
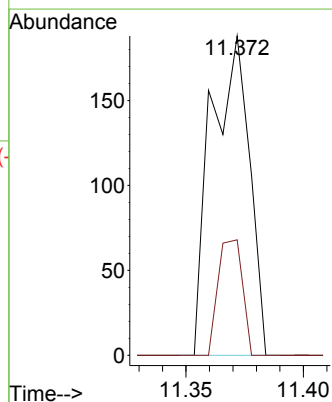
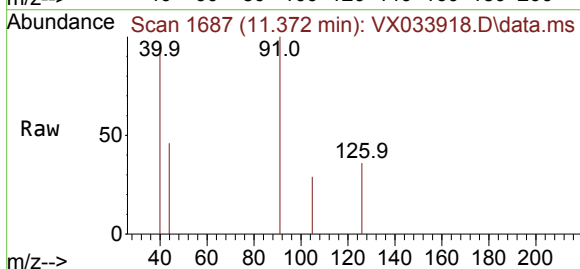
Instrument :
MSVOA_X
ClientSampleId :
N48965

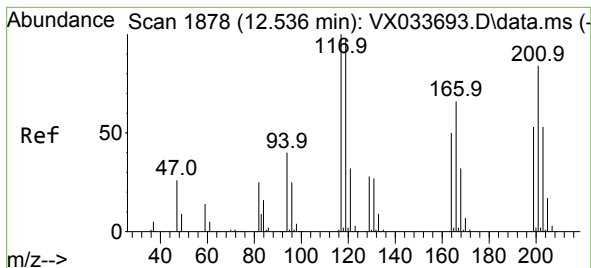
Tgt Ion: 75 Resp: 41023
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.372 min Scan# 1687
Delta R.T. -0.079 min
Lab File: VX033918.D
Acq: 26 Jan 2023 18:38

Tgt Ion: 91 Resp: 212
Ion Ratio Lower Upper
91 100
126 23.1 15.8 47.4





#90

Hexachloroethane

Concen: 0.214 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.164 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

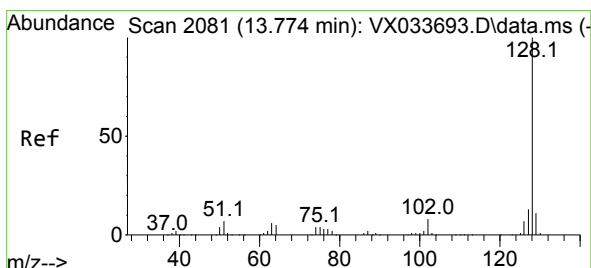
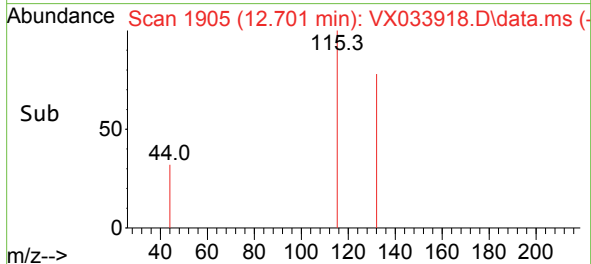
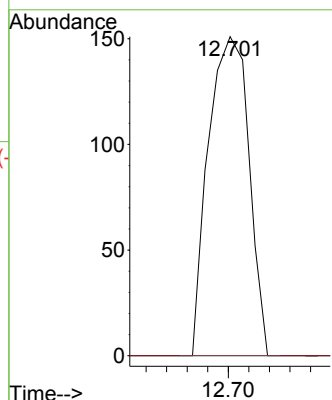
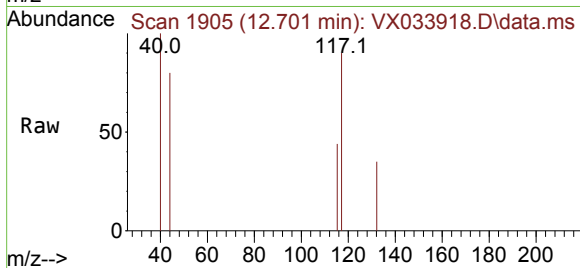
N48965

Tgt Ion:117 Resp: 207

Ion Ratio Lower Upper

117 100

201 0.0 45.1 135.3#



#95

Naphthalene

Concen: 0.258 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX033918.D

Acq: 26 Jan 2023 18:38

Tgt Ion:128 Resp: 1567

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 8.4 8.7 13.1#

