

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034614.D
 Acq On : 18 Mar 2023 06:04
 Operator : JC/MD
 Sample : 01964-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 UNION-2

Quant Time: Mar 20 00:17:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

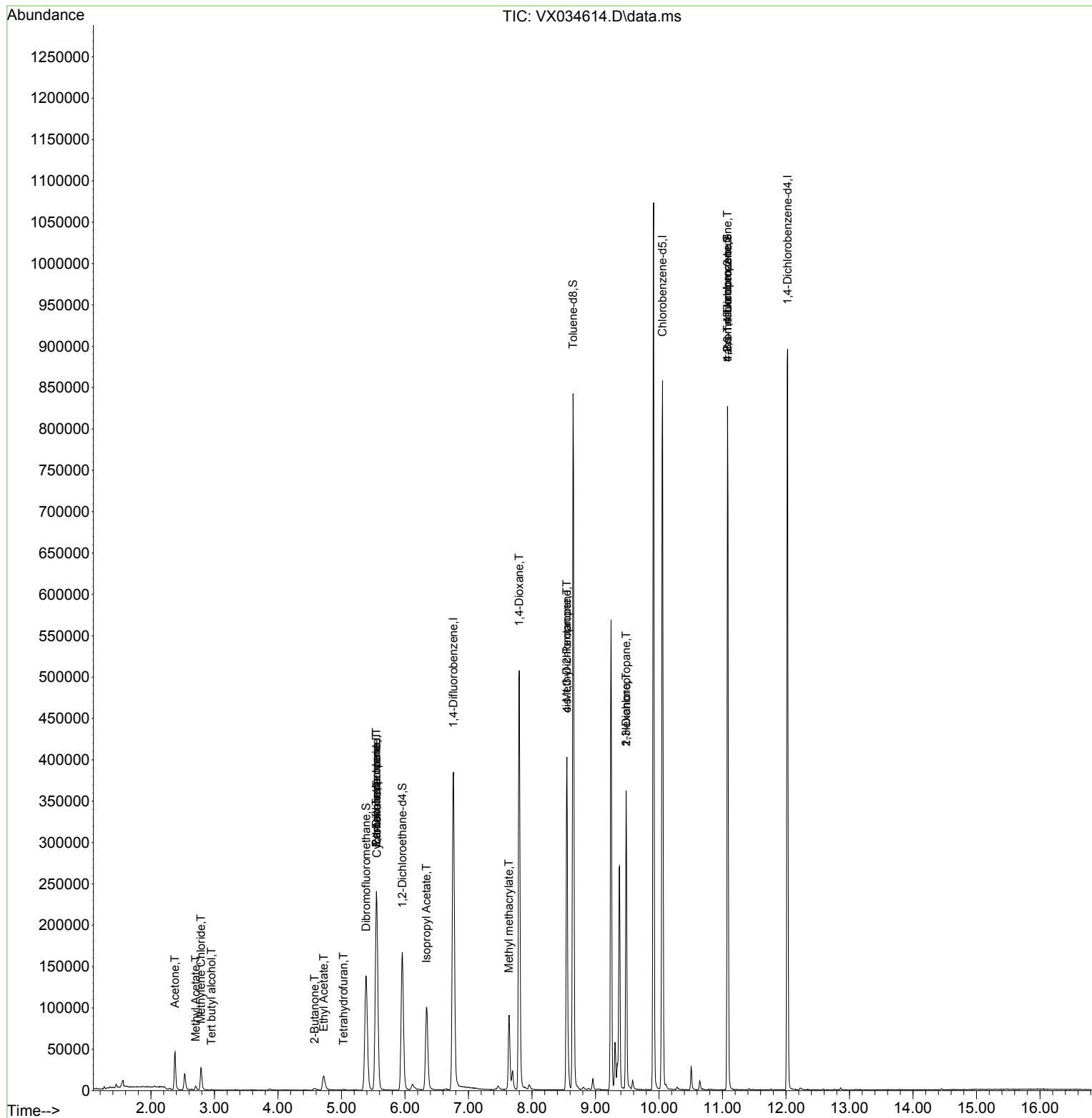
Internal Standards						
1) Pentafluorobenzene	5.550	168	224916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	380998	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156363	47.787	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.580%		
35) Dibromofluoromethane	5.385	113	118817	47.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.460%		
50) Toluene-d8	8.647	98	472120	50.276	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.560%		
62) 4-Bromofluorobenzene	11.079	95	217311	57.291	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.580%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	230	Below Cal	#	42
11) Tert butyl alcohol	2.953	59	597	0.876	ug/l #	73
16) Acetone	2.380	43	48121	31.221	ug/l	99
18) Methyl Acetate	2.703	43	4977	0.988	ug/l	97
20) Methylene Chloride	2.788	84	11797	3.944	ug/l	94
25) 2-Butanone	4.574	43	4901	2.222	ug/l	95
29) Tetrahydrofuran	5.032	42	645	0.474	ug/l #	74
31) Cyclohexane	5.556	56	5373	1.171	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	18722	4.846	ug/l #	50
37) Ethyl Acetate	4.721	43	31749	7.522	ug/l	98
38) Carbon Tetrachloride	5.550	117	23207	6.038	ug/l #	16
43) Isopropyl Acetate	6.336	43	143570	20.078	ug/l	100
48) Methyl methacrylate	7.635	41	4796	1.395	ug/l #	32
49) 1,4-Dioxane	7.800	88	23	0.318	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	146848	35.401	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	60846	12.856	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	2962	0.600	ug/l #	42
59) 2-Hexanone	9.482	43	43033	13.420	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	120834	29.004	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	120834	78.464	ug/l #	8

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

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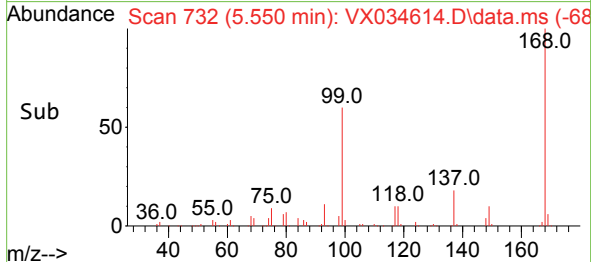
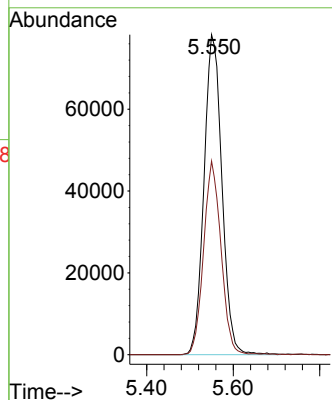
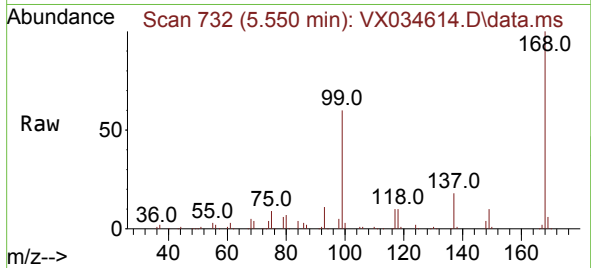




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

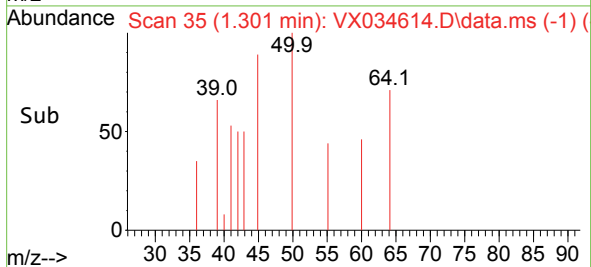
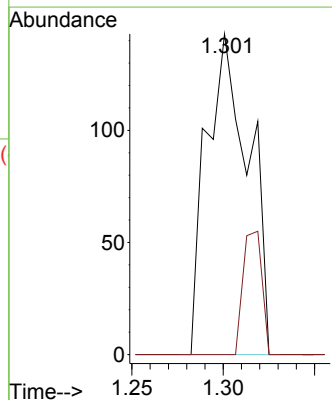
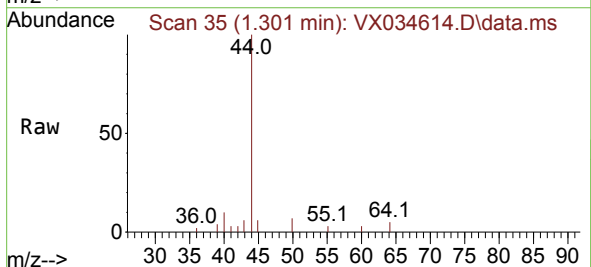
Instrument :
MSVOA_X
ClientSampleId :
UNION-2

Tgt Ion:168 Resp: 224916
Ion Ratio Lower Upper
168 100
99 60.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

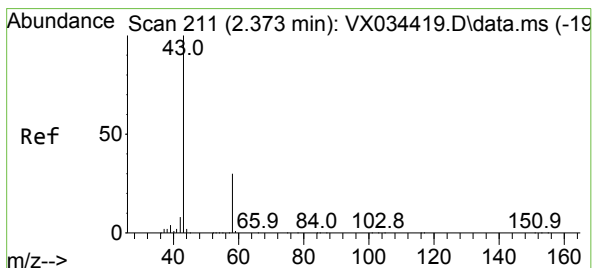
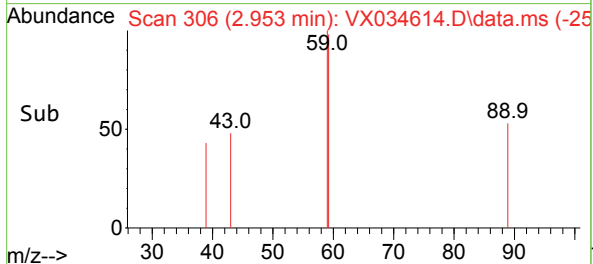
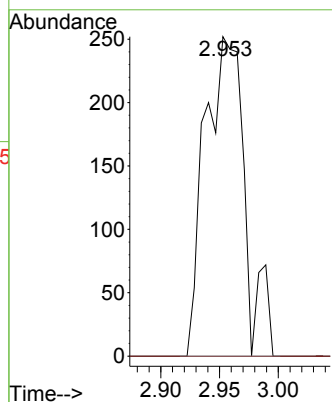
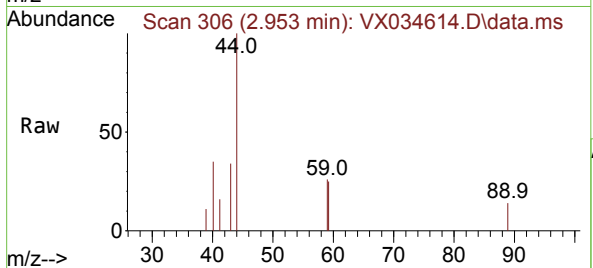




#11
Tert butyl alcohol
Concen: 0.876 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

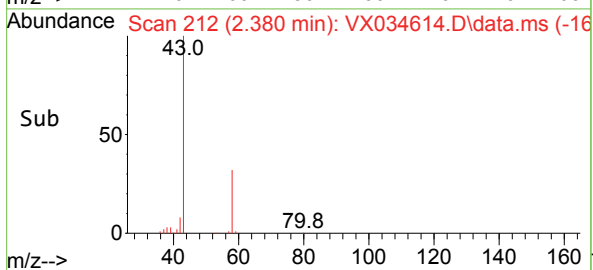
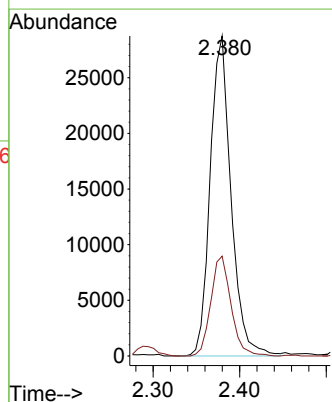
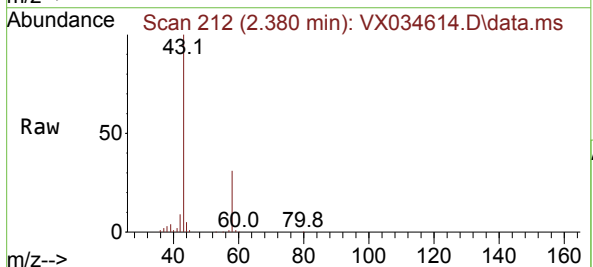
Instrument :
MSVOA_X
ClientSampleId :
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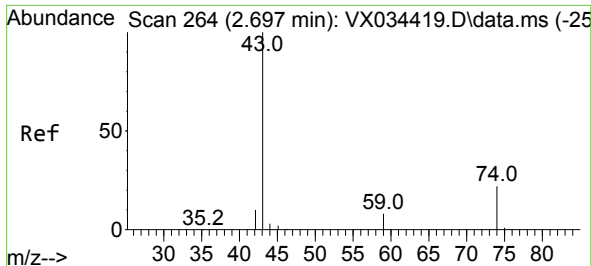
Tgt Ion: 59 Resp: 597
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 31.221 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion: 43 Resp: 48121
Ion Ratio Lower Upper
43 100
58 31.2 24.7 37.1





#18

Methyl Acetate

Concen: 0.988 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX034614.D

Acq: 18 Mar 2023 06:04

Instrument :

MSVOA_X

ClientSampleId :

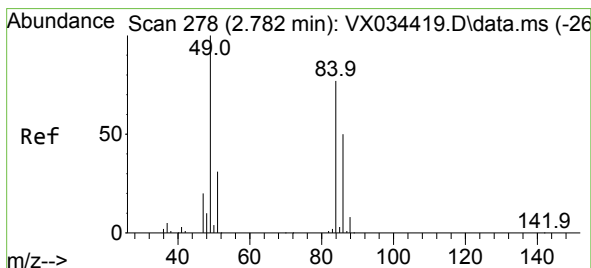
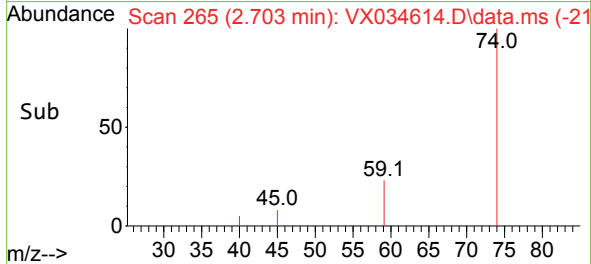
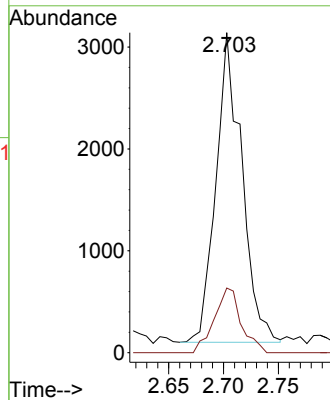
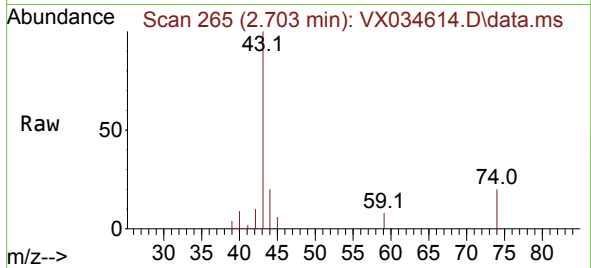
UNION-2

Tgt Ion: 43 Resp: 4977

Ion Ratio Lower Upper

43 100

74 21.7 18.3 27.5



#20

Methylene Chloride

Concen: 3.944 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX034614.D

Acq: 18 Mar 2023 06:04

Tgt Ion: 84 Resp: 11797

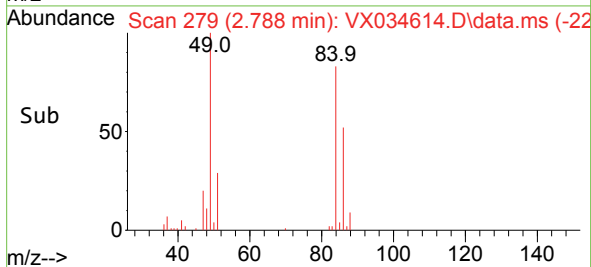
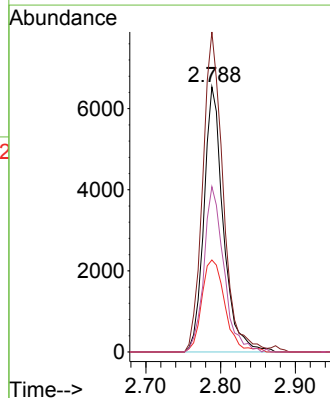
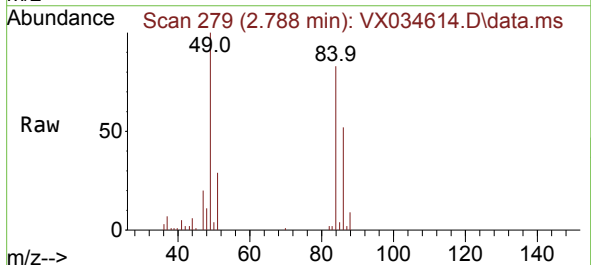
Ion Ratio Lower Upper

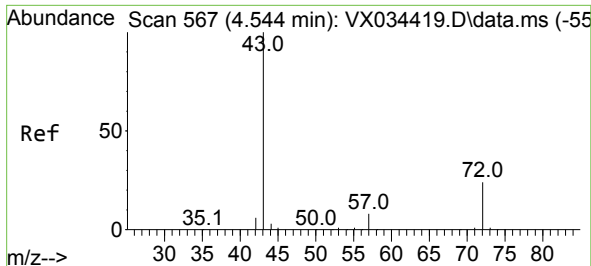
84 100

49 120.7 103.8 155.8

51 34.7 31.8 47.8

86 62.3 51.4 77.2

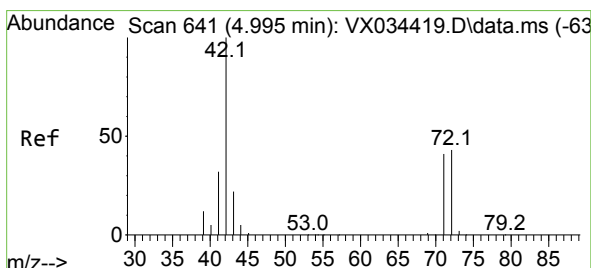
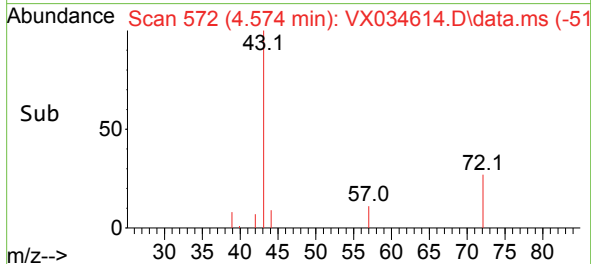
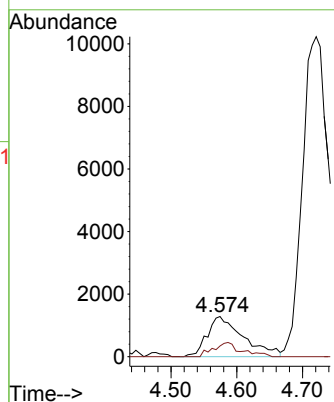
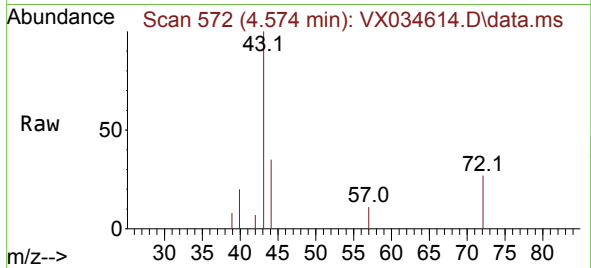




#25
2-Butanone
Concen: 2.222 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

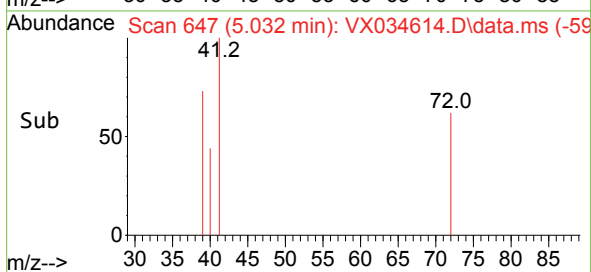
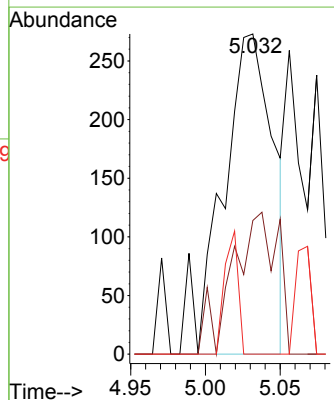
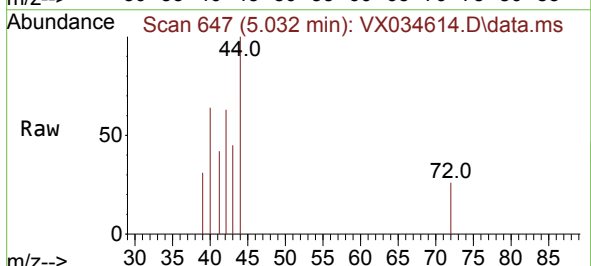
Instrument :
MSVOA_X
ClientSampleId :
UNION-2

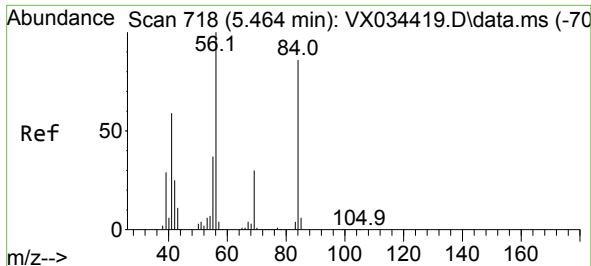
Tgt Ion: 43 Resp: 4901
Ion Ratio Lower Upper
43 100
72 26.7 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.474 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.037 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion: 42 Resp: 645
Ion Ratio Lower Upper
42 100
72 39.4 34.5 51.7
71 10.4 32.1 48.1#

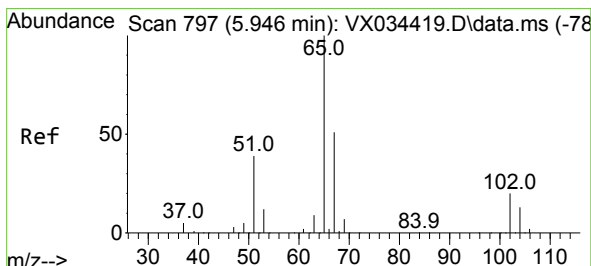
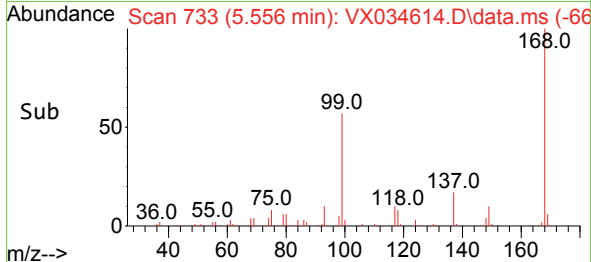
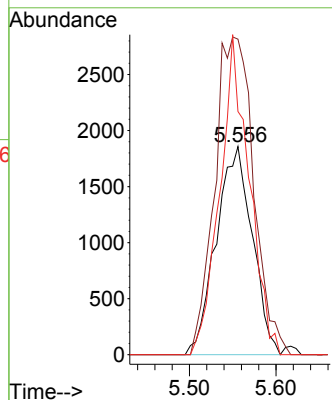
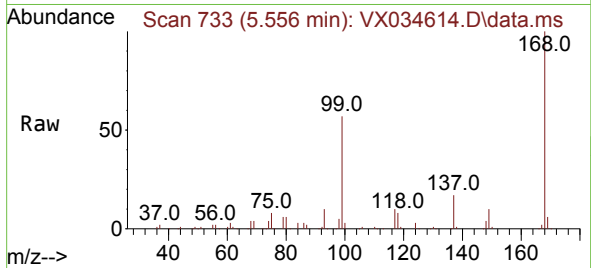




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

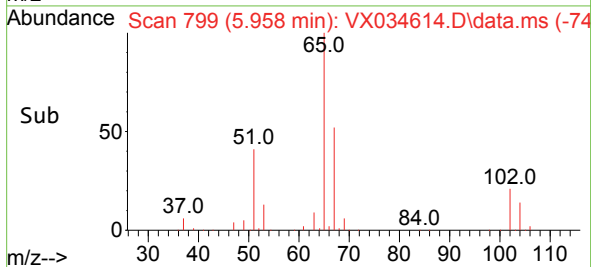
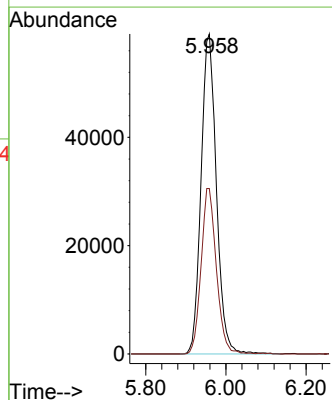
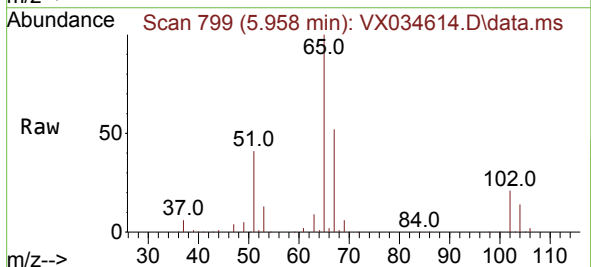
Instrument :
MSVOA_X
ClientSampleId :
UNION-2

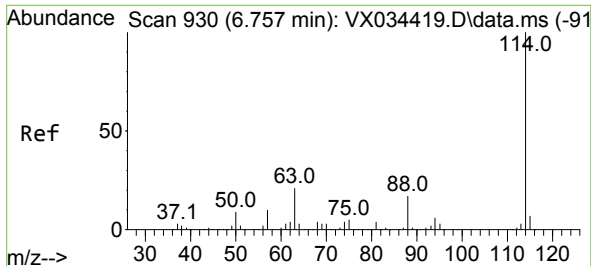
Tgt Ion: 56 Resp: 5373
Ion Ratio Lower Upper
56 100
69 151.6 23.7 35.5#
84 116.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.787 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion: 65 Resp: 156363
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0

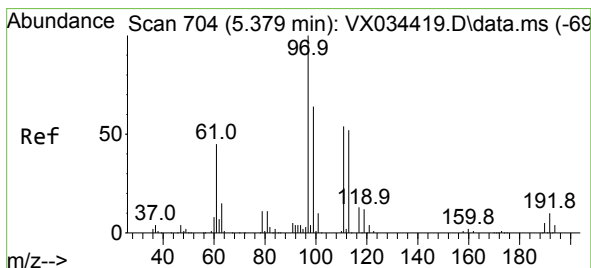
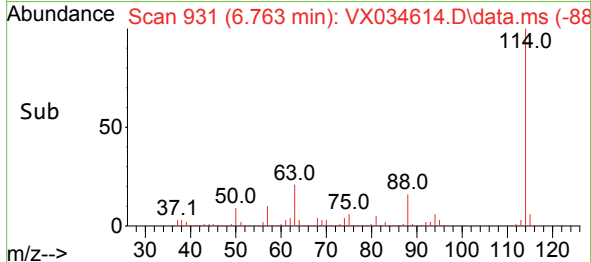
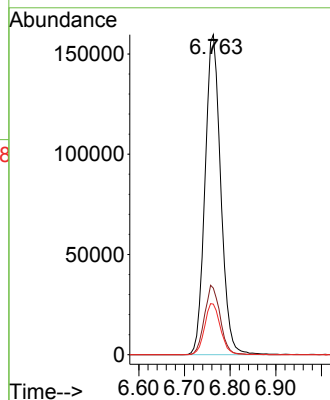
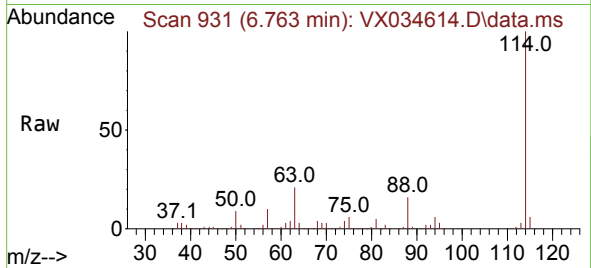




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

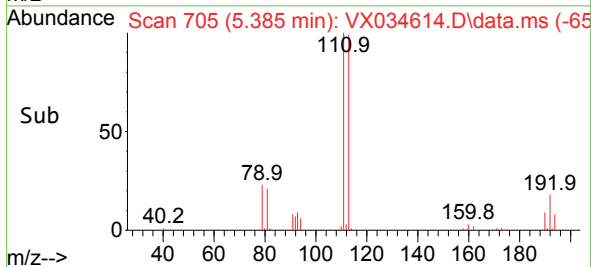
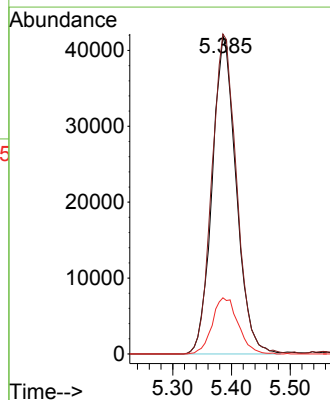
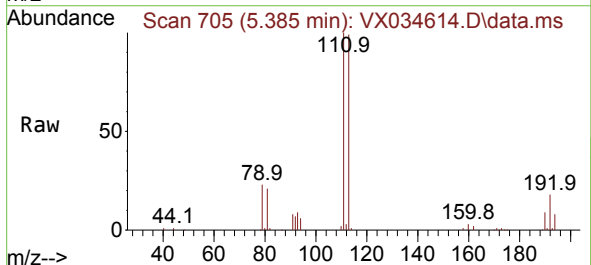
Instrument :
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UNION-2

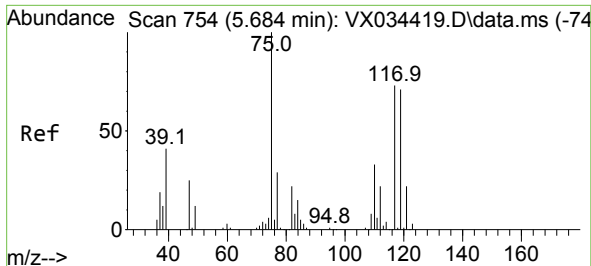
Tgt Ion:114 Resp: 380998
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.2
88 15.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.233 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion:113 Resp: 118817
Ion Ratio Lower Upper
113 100
111 103.6 83.7 125.5
192 19.1 15.4 23.2

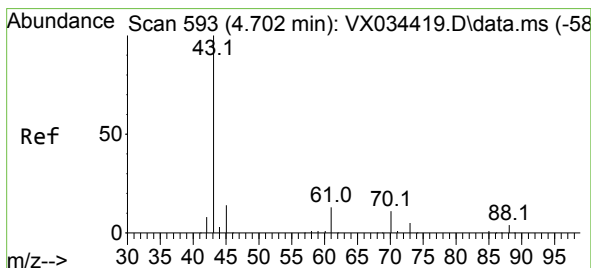
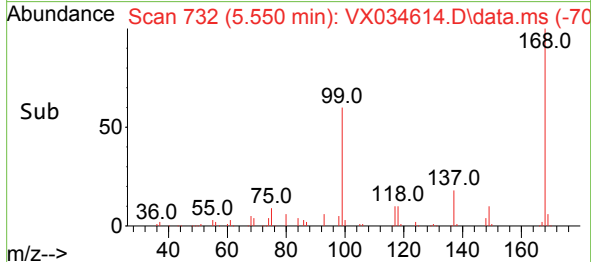
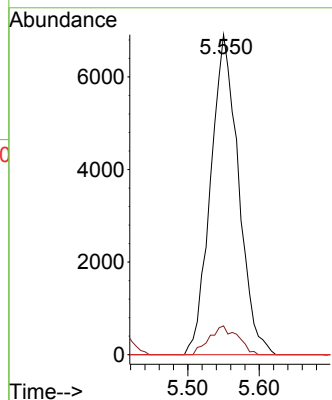
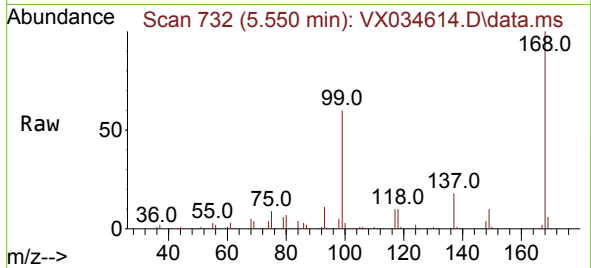




#36
1,1-Dichloropropene
Concen: 4.846 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

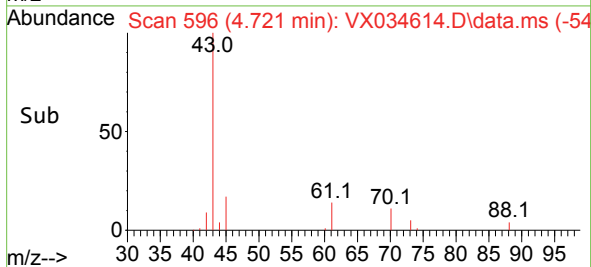
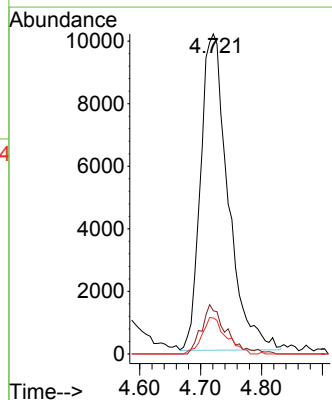
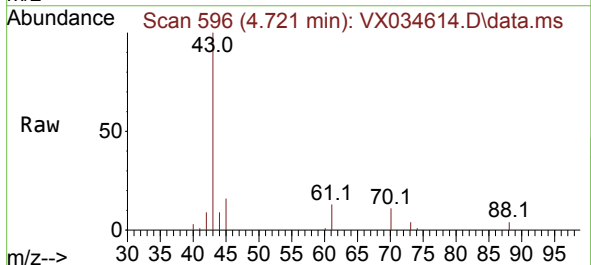
Instrument :
MSVOA_X
ClientSampleId :
UNION-2

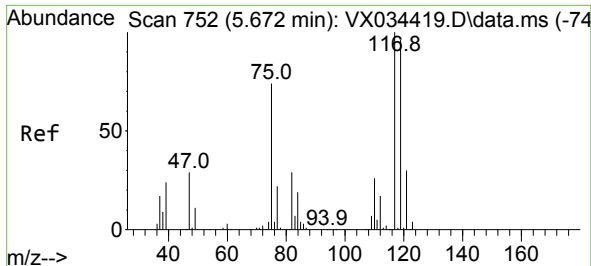
Tgt Ion: 75 Resp: 18722
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 7.522 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

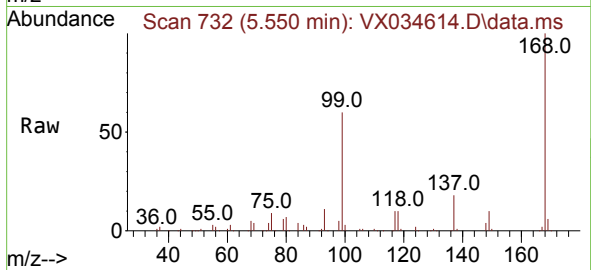
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Ion Ratio Lower Upper
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61 13.8 10.2 15.4
70 10.1 8.2 12.4



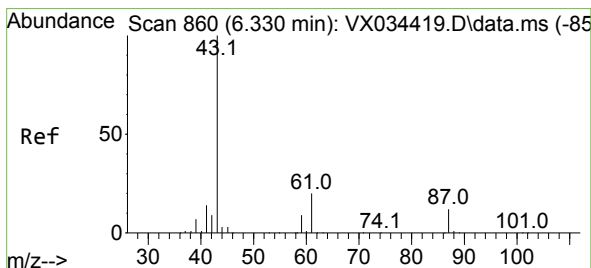
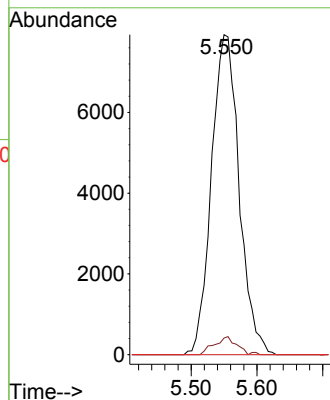
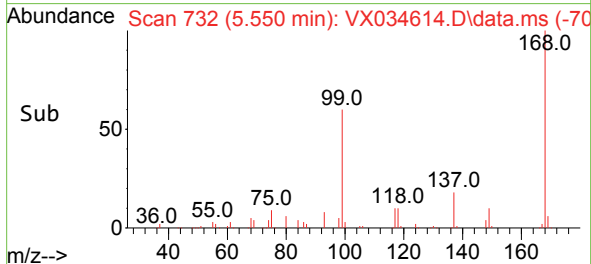


#38
Carbon Tetrachloride
Concen: 6.038 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Instrument :
MSVOA_X
ClientSampleId :
UNION-2

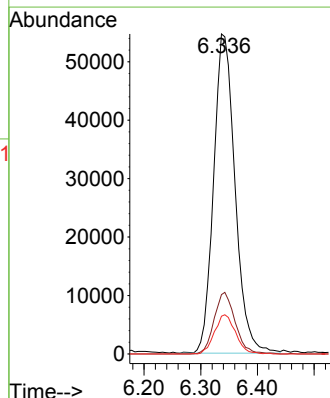
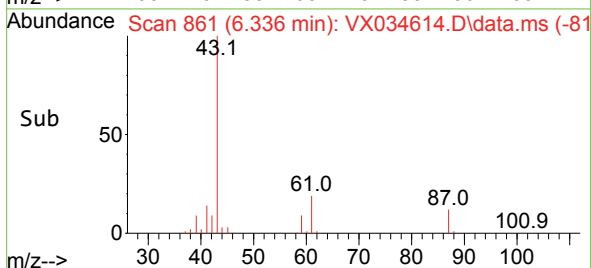
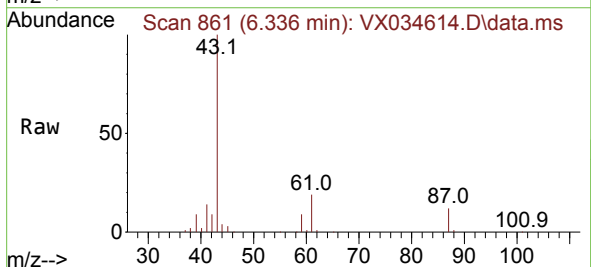


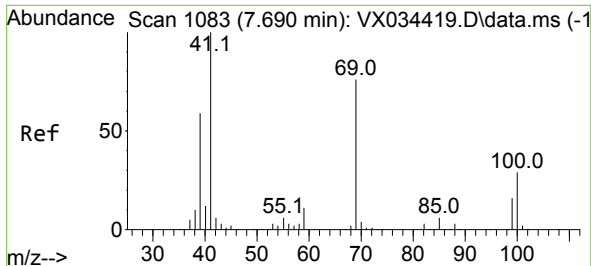
Tgt Ion:117 Resp: 23207
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 20.078 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion: 43 Resp: 143570
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 12.0 9.8 14.8

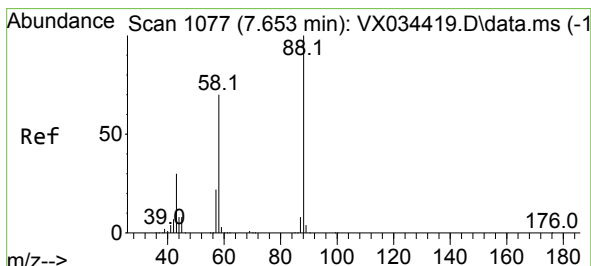
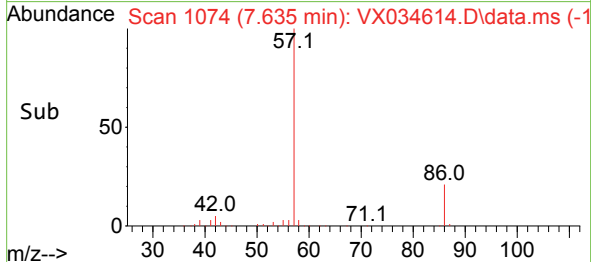
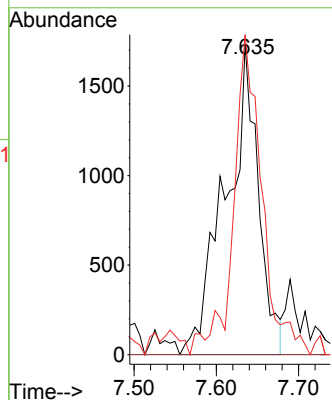
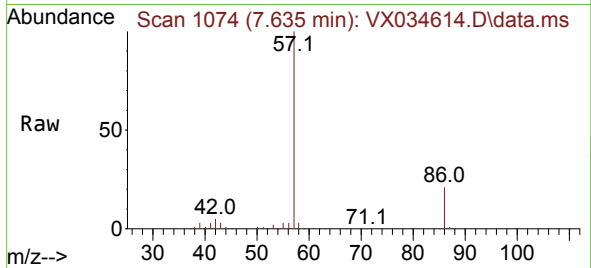




#48
Methyl methacrylate
Concen: 1.395 ug/l
RT: 7.635 min Scan# 1100
Delta R.T. -0.055 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

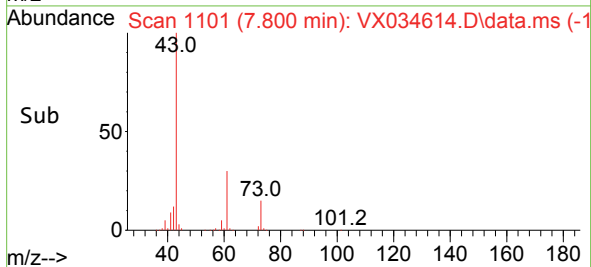
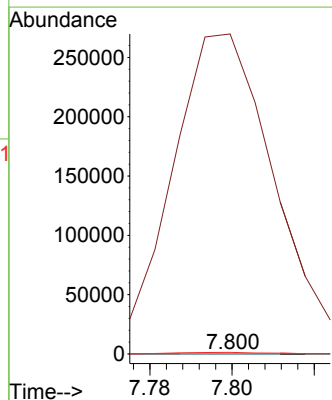
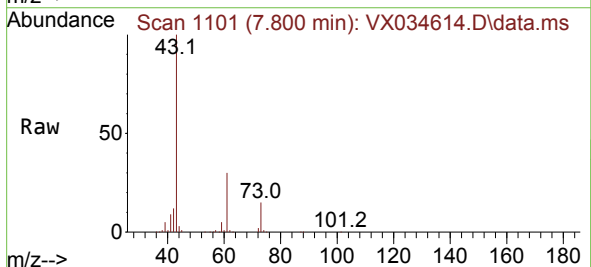
Instrument :
MSVOA_X
ClientSampleId :
UNION-2

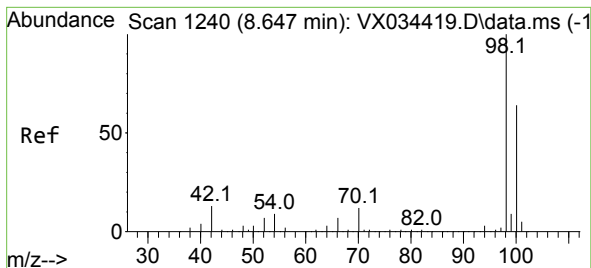
Tgt Ion: 41 Resp: 4796
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 89.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 0.318 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.146 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 2100408.7 27.7 41.5#
58 10534.8 56.8 85.2#





#50

Toluene-d8

Concen: 50.276 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034614.D

Acq: 18 Mar 2023 06:04

Instrument :

MSVOA_X

ClientSampleId :

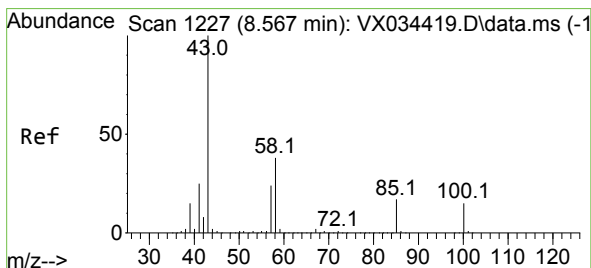
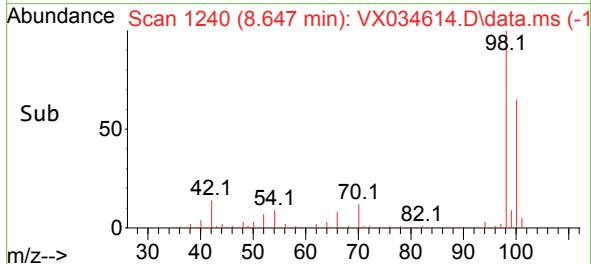
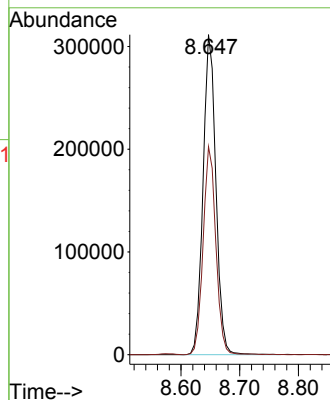
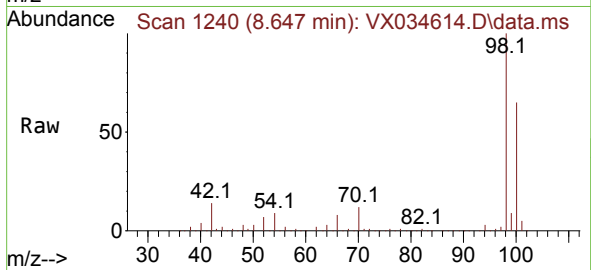
UNION-2

Tgt Ion: 98 Resp: 472120

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 35.401 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.018 min

Lab File: VX034614.D

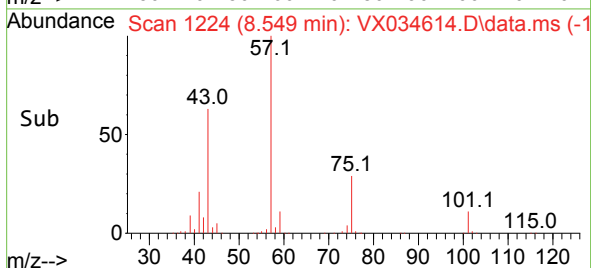
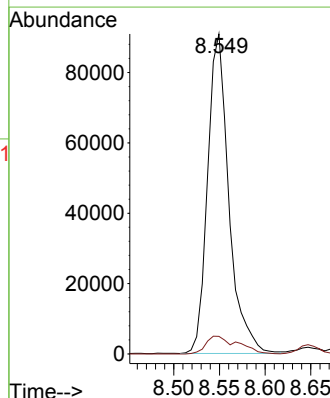
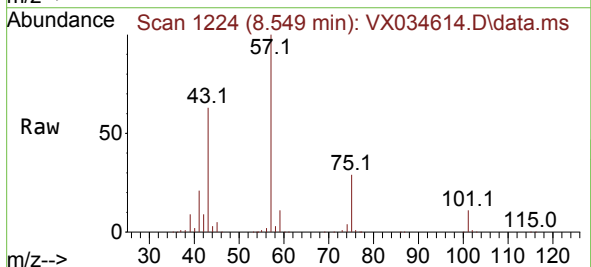
Acq: 18 Mar 2023 06:04

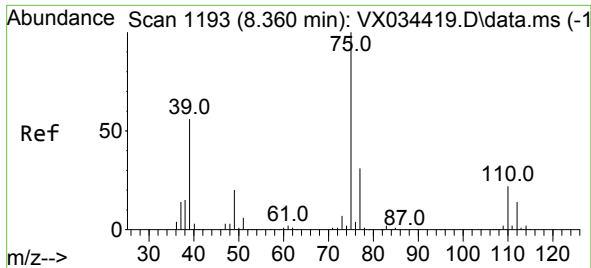
Tgt Ion: 43 Resp: 146848

Ion Ratio Lower Upper

43 100

58 8.5 30.6 46.0#

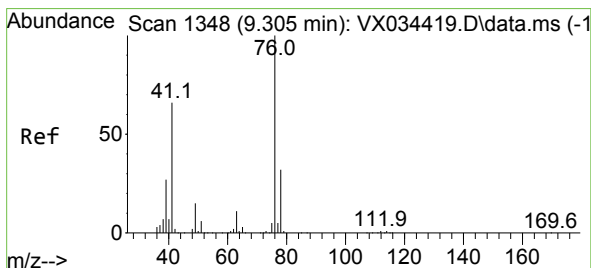
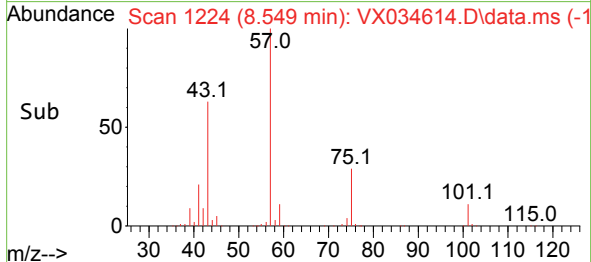
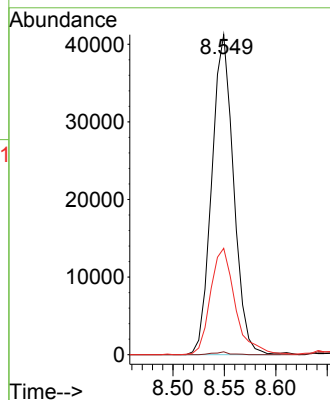
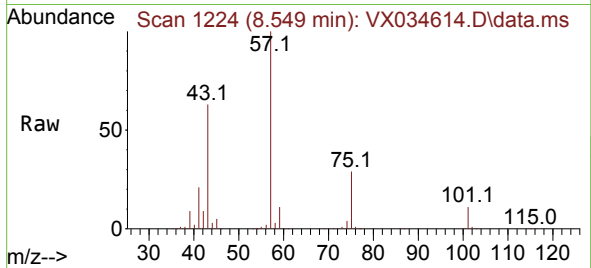




#54
 cis-1,3-Dichloropropene
 Concen: 12.856 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034614.D
 Acq: 18 Mar 2023 06:04

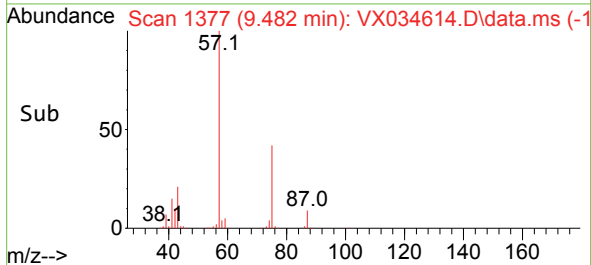
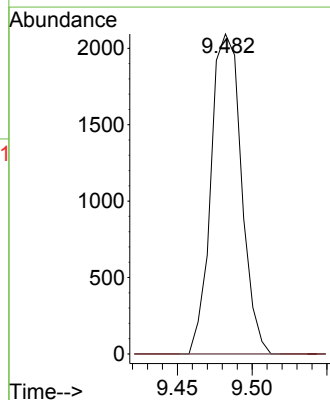
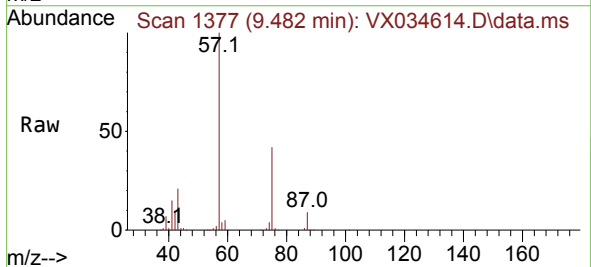
Instrument :
 MSVOA_X
 ClientSampleId :
 UNION-2

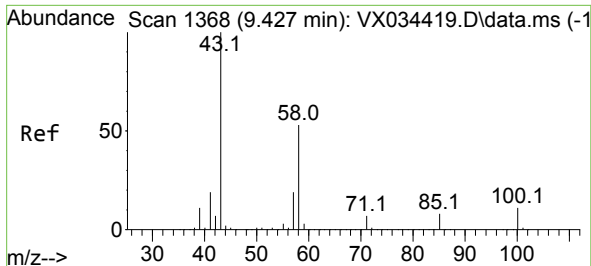
Tgt Ion: 75 Resp: 60846
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.4#
 39 33.3 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 0.600 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034614.D
 Acq: 18 Mar 2023 06:04

Tgt Ion: 76 Resp: 2962
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

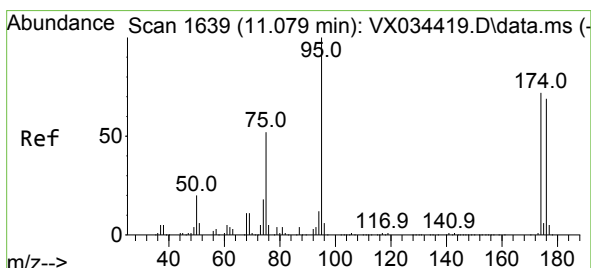
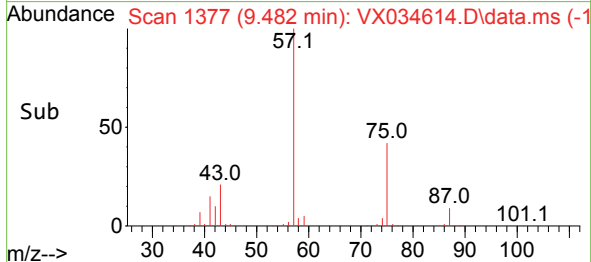
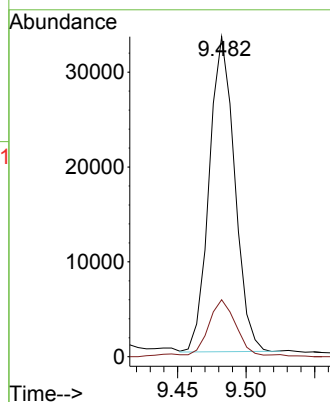
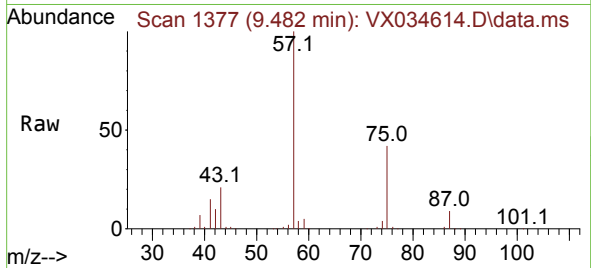




#59
2-Hexanone
Concen: 13.420 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

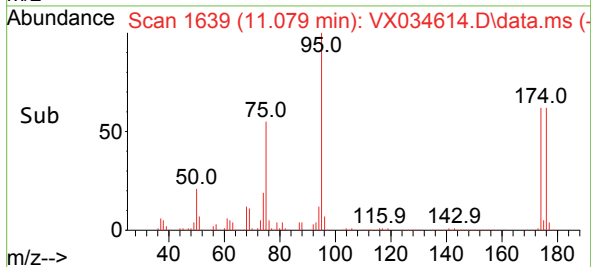
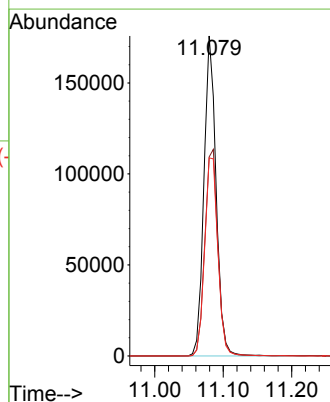
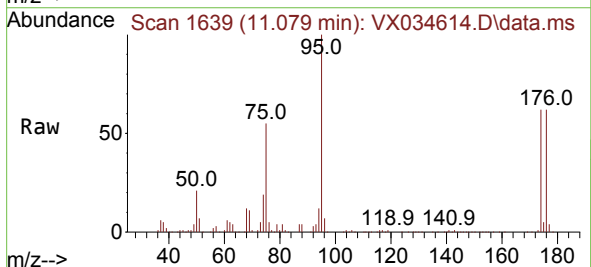
Instrument :
MSVOA_X
ClientSampleId :
UNION-2

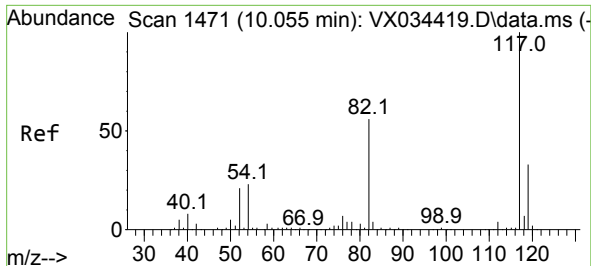
Tgt Ion: 43 Resp: 43033
Ion Ratio Lower Upper
43 100
58 20.8 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 57.291 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion: 95 Resp: 217311
Ion Ratio Lower Upper
95 100
174 69.4 0.0 147.4
176 67.4 0.0 140.6

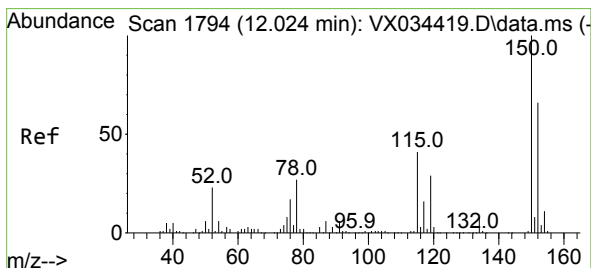
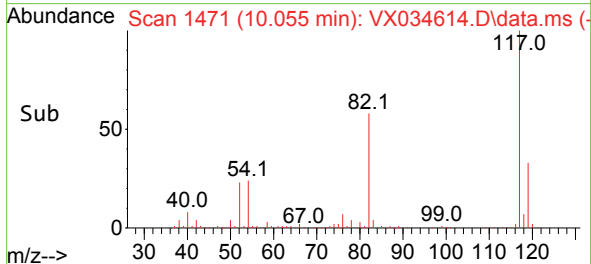
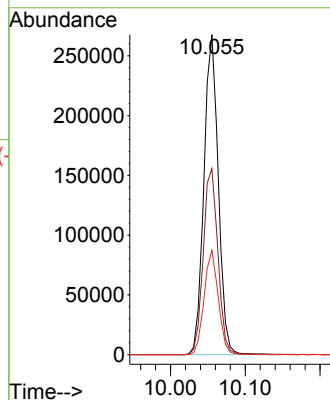
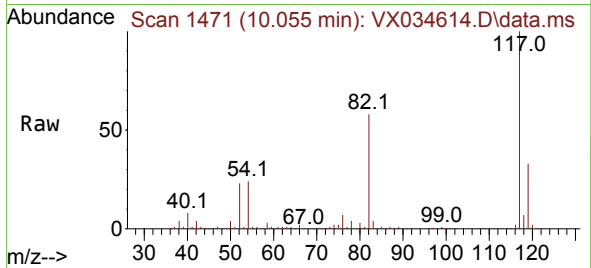




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

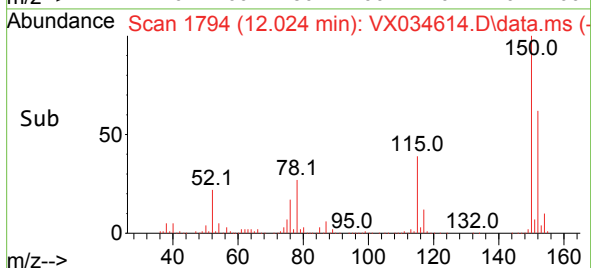
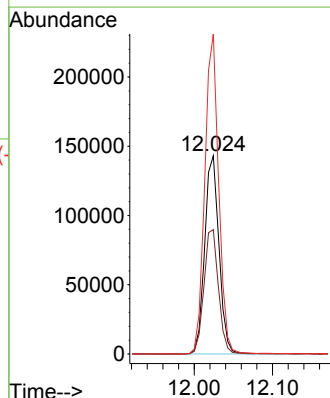
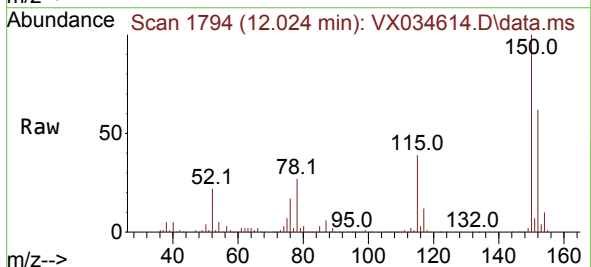
Instrument :
MSVOA_X
ClientSampleId :
UNION-2

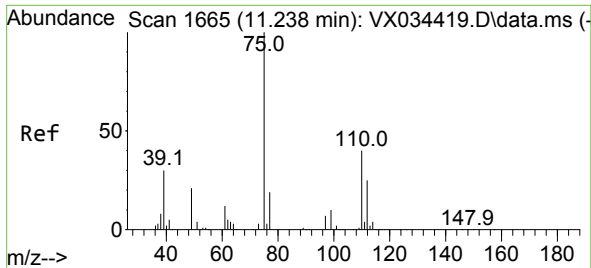
Tgt Ion:117 Resp: 358010
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.4
119 32.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion:152 Resp: 181444
Ion Ratio Lower Upper
152 100
115 63.6 45.0 135.0
150 156.3 0.0 352.4

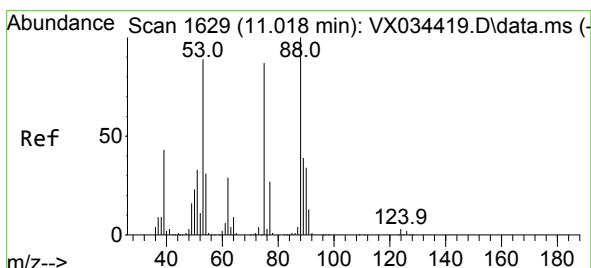
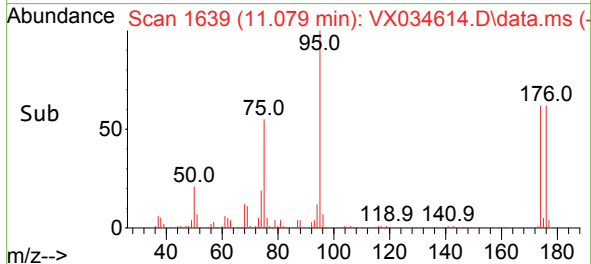
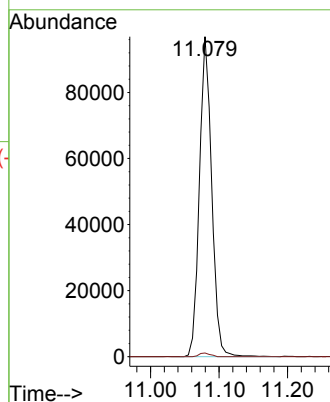
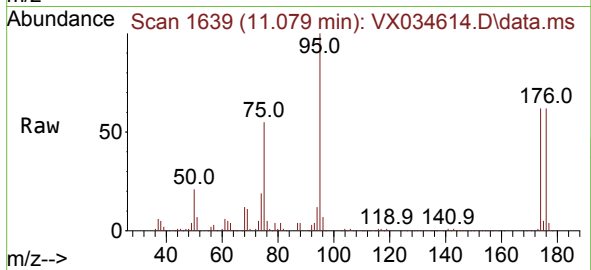




#76
1,2,3-Trichloropropane
Concen: 29.004 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Instrument :
MSVOA_X
ClientSampleId :
UNION-2

Tgt Ion: 75 Resp: 120834
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.464 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034614.D
Acq: 18 Mar 2023 06:04

Tgt Ion: 75 Resp: 120834
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

