

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034564.D
 Acq On : 17 Mar 2023 05:14
 Operator : JC/MD
 Sample : 01905-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MAPLE-3

Quant Time: Mar 17 07:53:14 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	267535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	460273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	427178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	209428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	186105	47.816	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.640%		
35) Dibromofluoromethane	5.385	113	145283	47.807	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.620%		
50) Toluene-d8	8.647	98	569423	50.193	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.380%		
62) 4-Bromofluorobenzene	11.079	95	268435	58.580	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.160%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	443	Below Cal	#	86
11) Tert butyl alcohol	2.940	59	6203	7.653	ug/l #	87
16) Acetone	2.379	43	39549	21.572	ug/l	99
18) Methyl Acetate	2.702	43	6339	1.058	ug/l	95
20) Methylene Chloride	2.794	84	13311	3.741	ug/l	92
25) 2-Butanone	4.580	43	4319	1.646	ug/l	93
29) Tetrahydrofuran	5.013	42	357	0.221	ug/l #	52
36) 1,1-Dichloropropene	5.550	75	22433	4.806	ug/l #	50
37) Ethyl Acetate	4.714	43	65661	12.877	ug/l	98
38) Carbon Tetrachloride	5.543	117	26887	5.790	ug/l #	16
43) Isopropyl Acetate	6.342	43	274858	31.818	ug/l	99
48) Methyl methacrylate	7.793	41	234115	56.350	ug/l #	46
49) 1,4-Dioxane	7.799	88	406	4.653	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	211281	42.161	ug/l #	49
53) t-1,3-Dichloropropene	8.957	75	1773	0.335	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	91560	16.013	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	11693	1.961	ug/l #	42
59) 2-Hexanone	9.482	43	164883	42.564	ug/l #	51
74) N-amyl acetate	10.640	43	66298	8.552	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	145720	30.303	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	145720	81.980	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	931	0.202	ug/l	92
94) Hexachlorobutadiene	13.725	225	380	0.205	ug/l	92

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

Quant Time: Mar 17 07:53:14 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

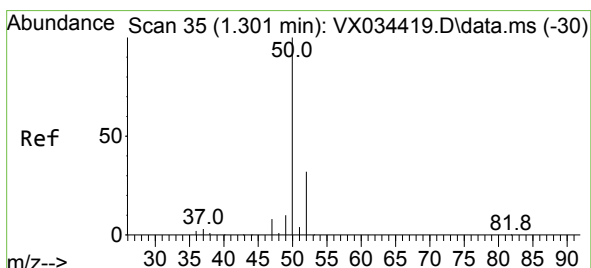
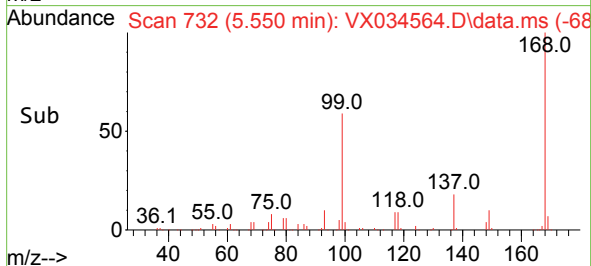
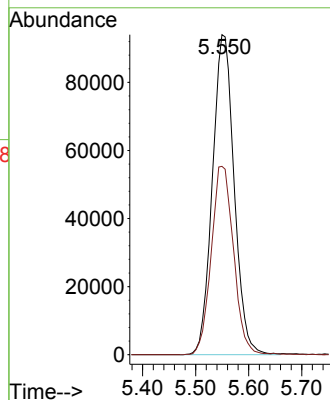
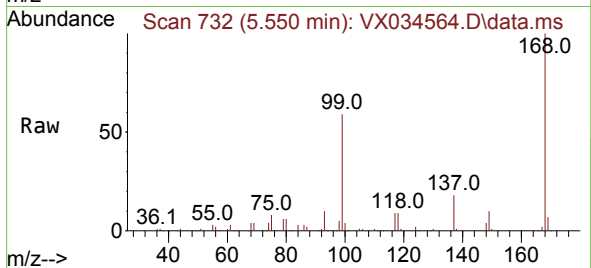




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

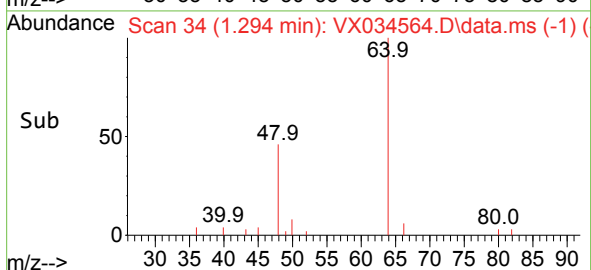
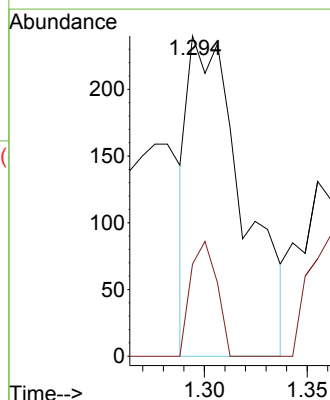
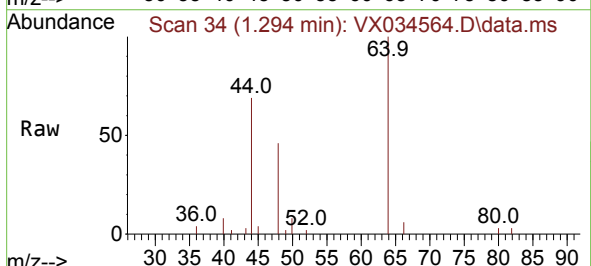
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-3

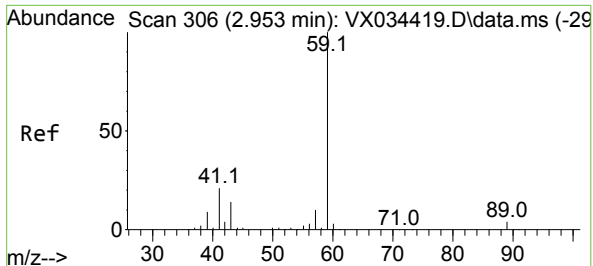
Tgt Ion:168 Resp: 267535
Ion Ratio Lower Upper
168 100
99 58.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 40.4 25.9 38.9





#11

Tert butyl alcohol

Concen: 7.653 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

Instrument :

MSVOA_X

ClientSampleId :

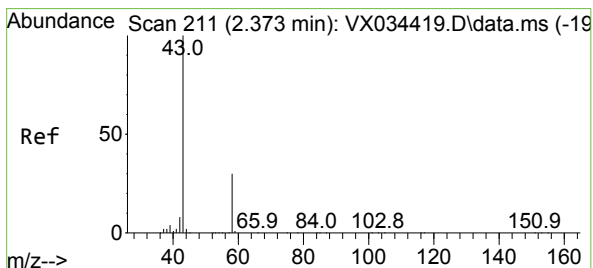
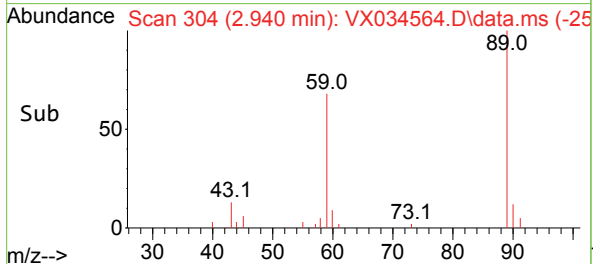
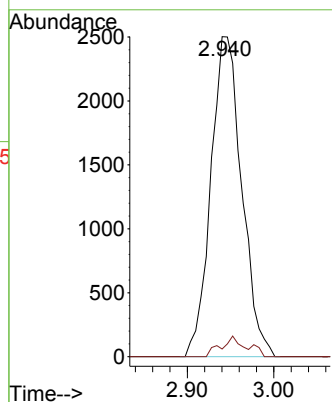
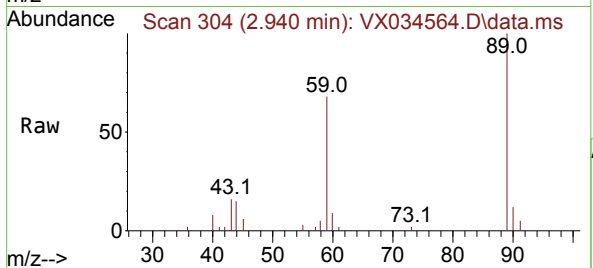
MAPLE-3

Tgt Ion: 59 Resp: 6203

Ion Ratio Lower Upper

59 100

57 5.2 8.1 12.1#



#16

Acetone

Concen: 21.572 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034564.D

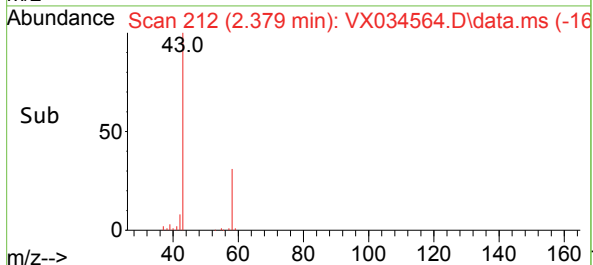
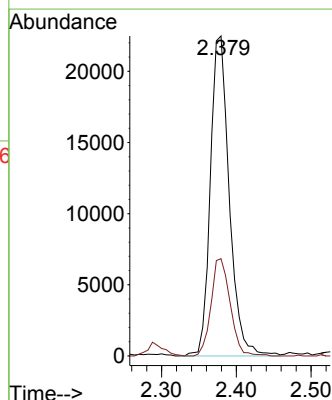
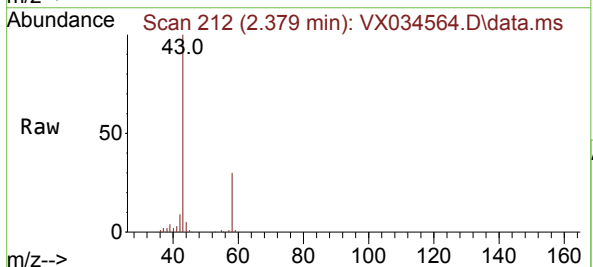
Acq: 17 Mar 2023 05:14

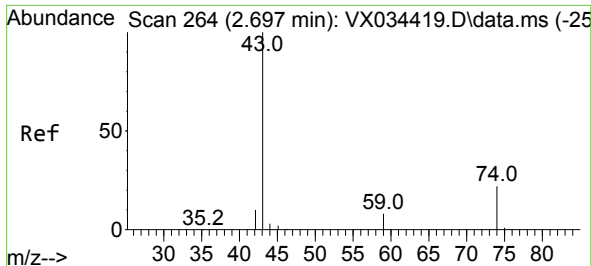
Tgt Ion: 43 Resp: 39549

Ion Ratio Lower Upper

43 100

58 30.4 24.7 37.1





#18

Methyl Acetate

Concen: 1.058 ug/l

RT: 2.702 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

Instrument :

MSVOA_X

ClientSampleId :

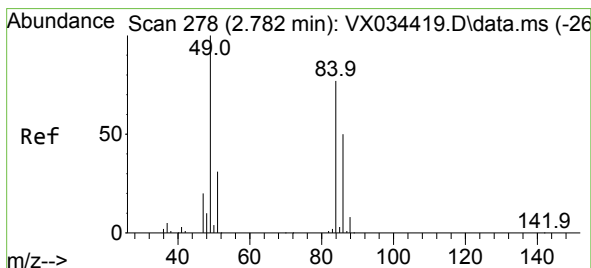
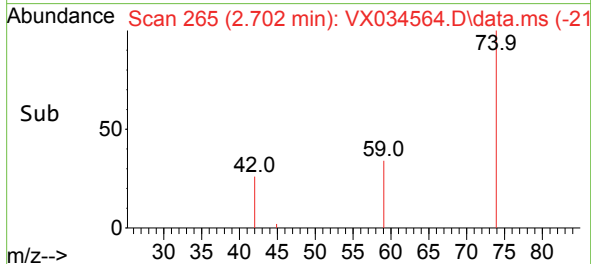
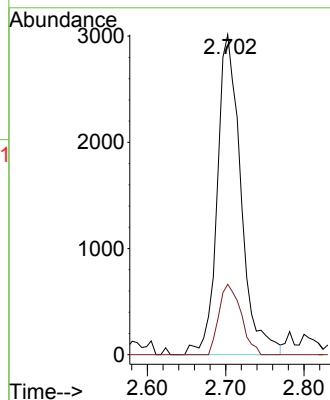
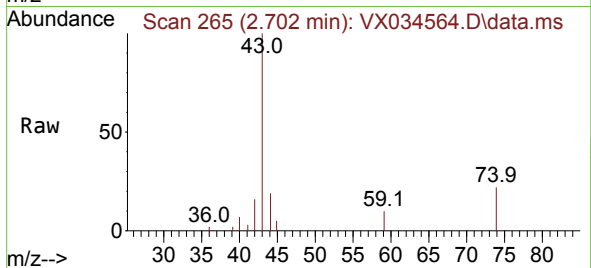
MAPLE-3

Tgt Ion: 43 Resp: 6339

Ion Ratio Lower Upper

43 100

74 20.5 18.3 27.5



#20

Methylene Chloride

Concen: 3.741 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.012 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

Tgt Ion: 84 Resp: 13311

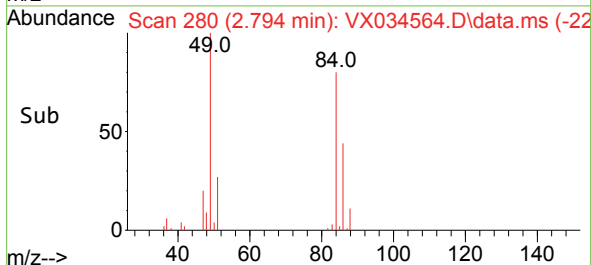
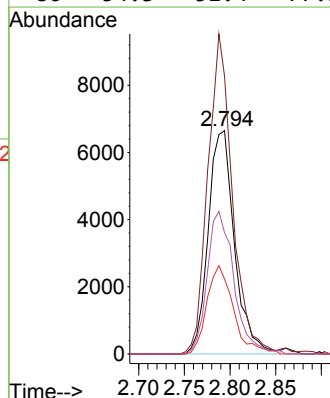
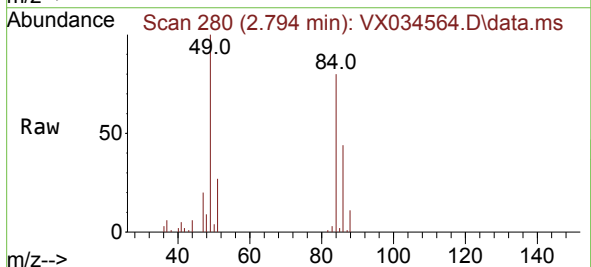
Ion Ratio Lower Upper

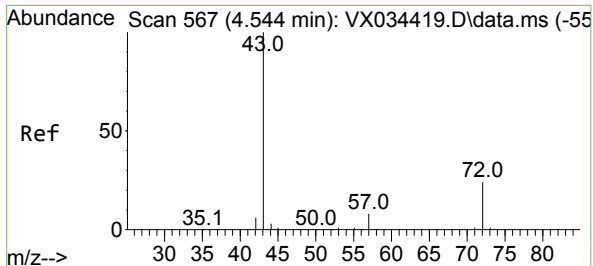
84 100

49 124.5 103.8 155.8

51 33.5 31.8 47.8

86 54.3 51.4 77.2

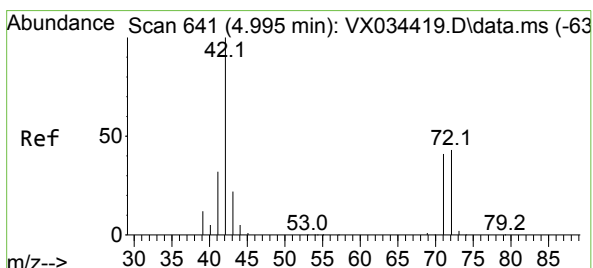
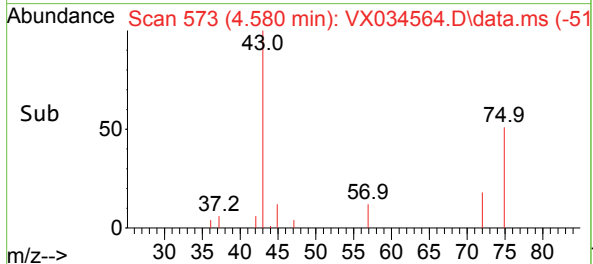
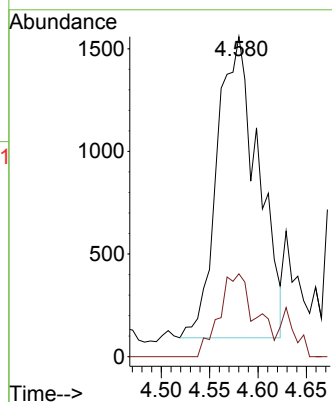
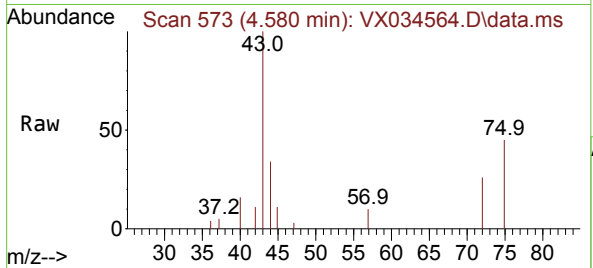




#25
2-Butanone
Concen: 1.646 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

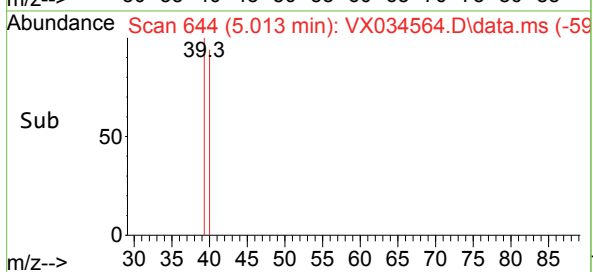
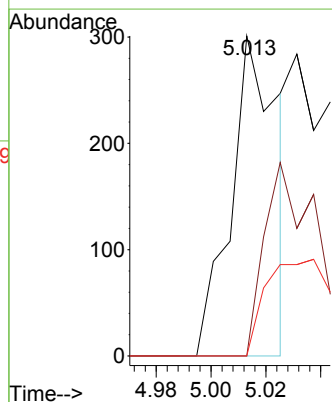
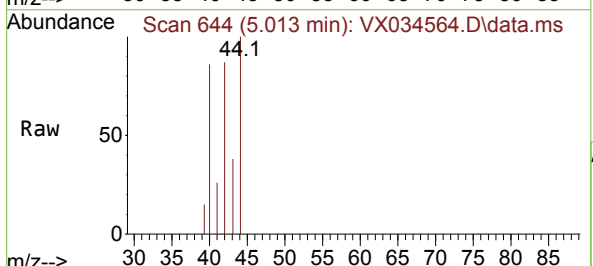
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-3

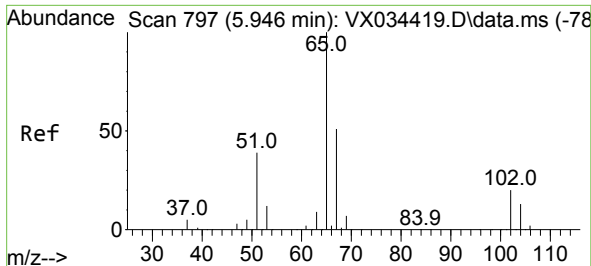
Tgt Ion: 43 Resp: 4319
Ion Ratio Lower Upper
43 100
72 27.5 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.018 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

Tgt Ion: 42 Resp: 357
Ion Ratio Lower Upper
42 100
72 63.9 34.5 51.7#
71 0.0 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 47.816 ug/l

RT: 5.958 min Scan# 79

Delta R.T. 0.012 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

Instrument :

MSVOA_X

ClientSampleId :

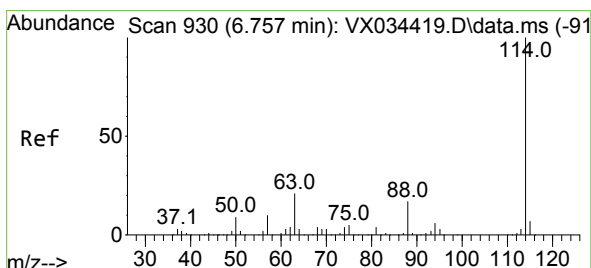
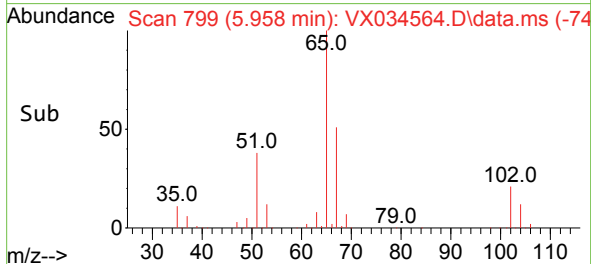
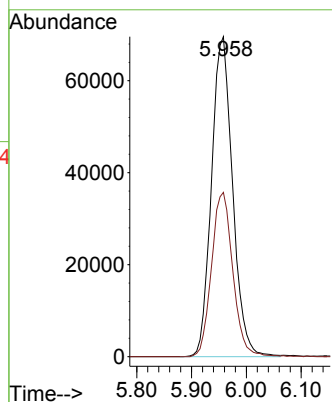
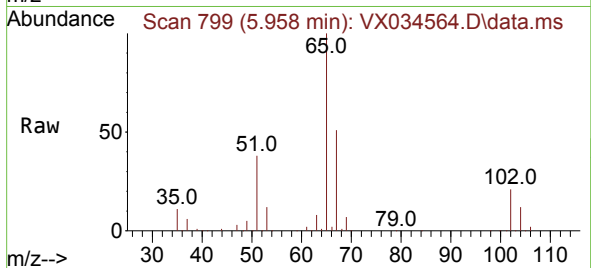
MAPLE-3

Tgt Ion: 65 Resp: 186105

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

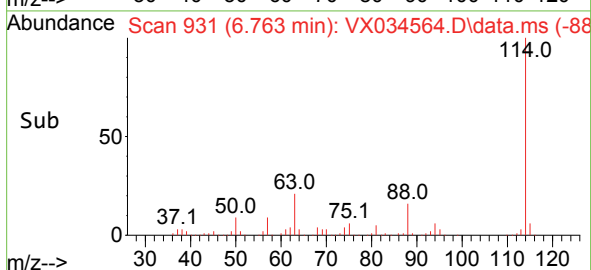
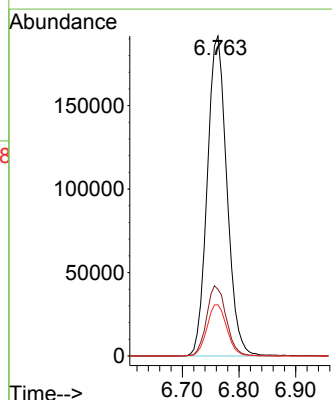
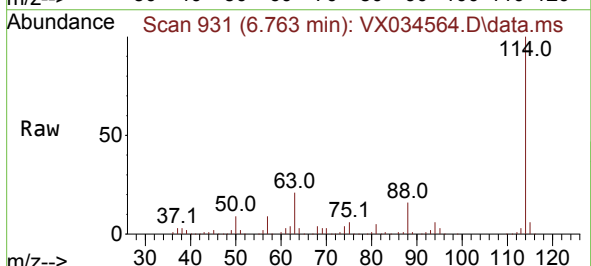
Tgt Ion: 114 Resp: 460273

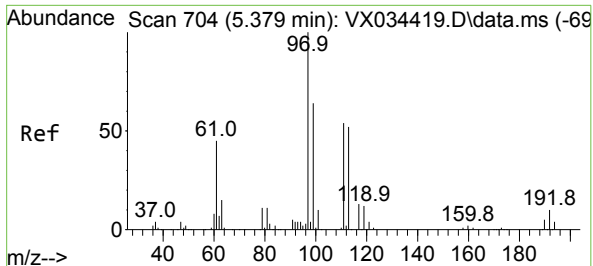
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.2

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.807 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

Instrument :

MSVOA_X

ClientSampleId :

MAPLE-3

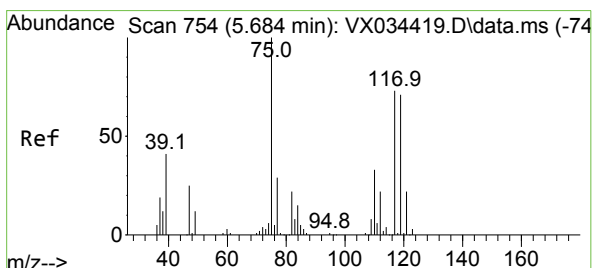
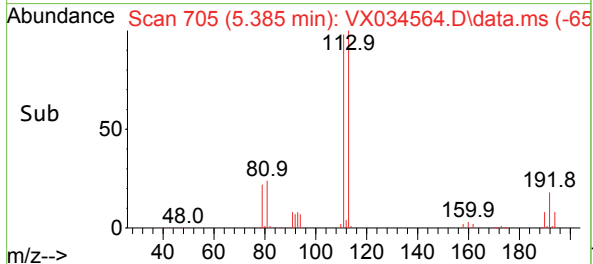
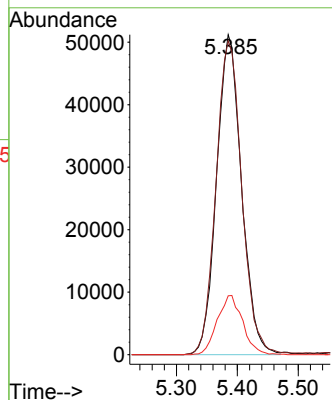
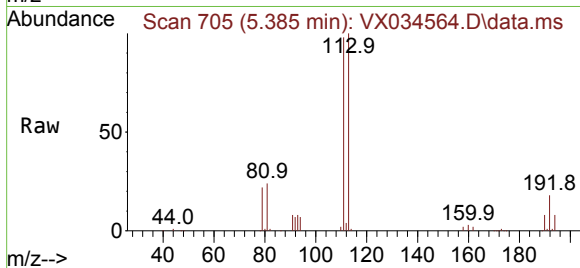
Tgt Ion:113 Resp: 145283

Ion Ratio Lower Upper

113 100

111 101.5 83.7 125.5

192 18.9 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.806 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

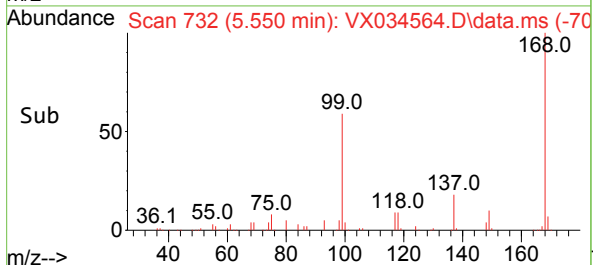
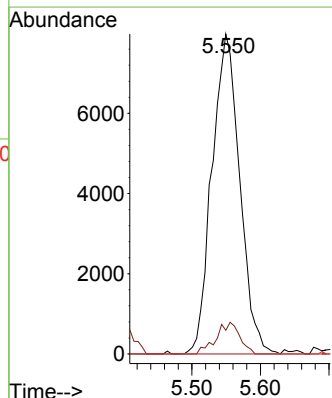
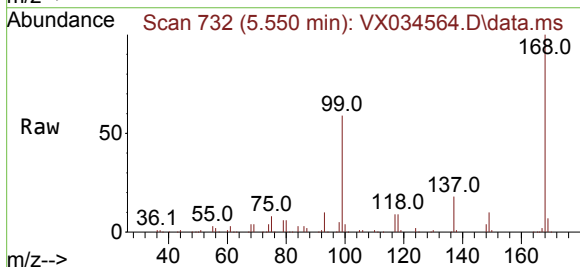
Tgt Ion: 75 Resp: 22433

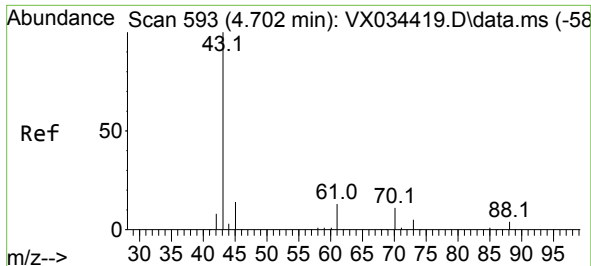
Ion Ratio Lower Upper

75 100

110 8.4 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 12.877 ug/l

RT: 4.714 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

Instrument :

MSVOA_X

ClientSampleId :

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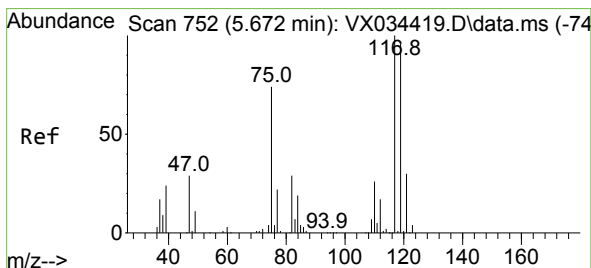
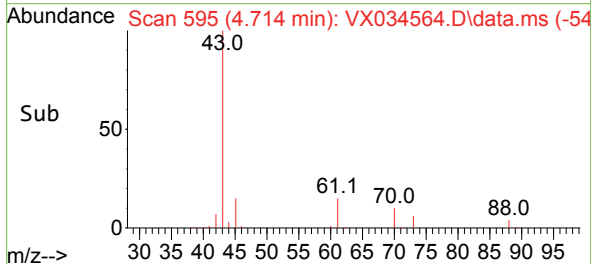
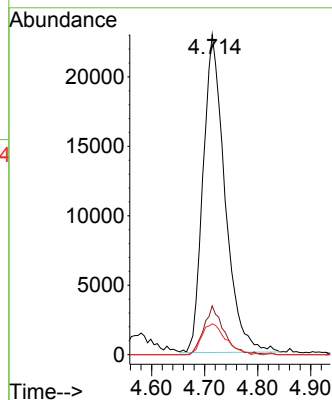
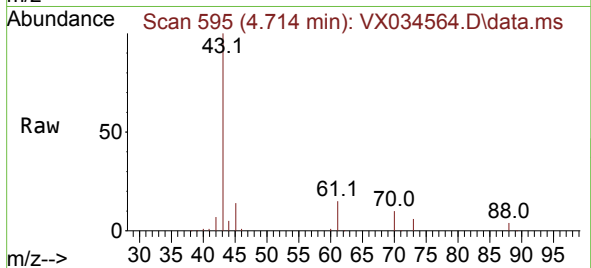
Tgt Ion: 43 Resp: 65661

Ion Ratio Lower Upper

43 100

61 14.2 10.2 15.4

70 10.7 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

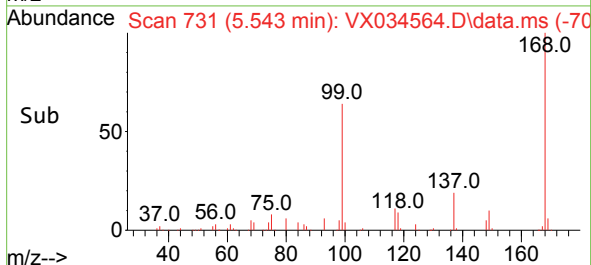
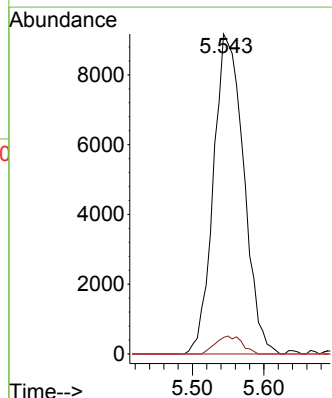
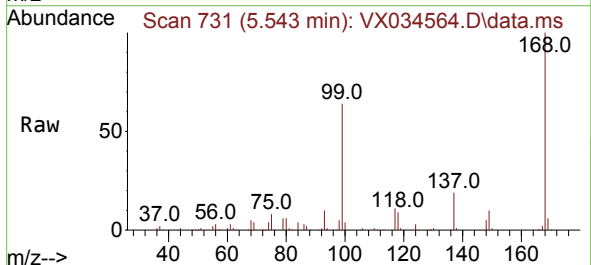
Tgt Ion: 117 Resp: 26887

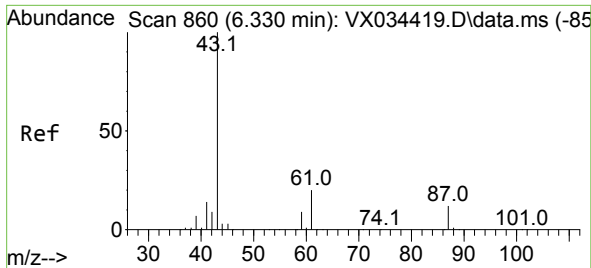
Ion Ratio Lower Upper

117 100

119 5.2 76.6 114.8#

121 0.0 23.8 35.6#

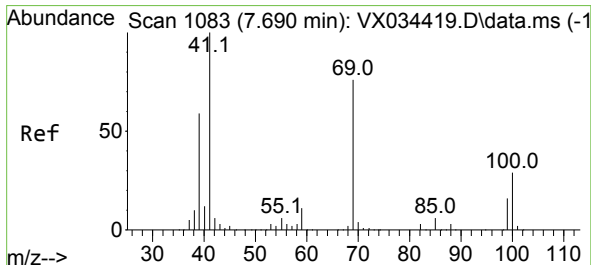
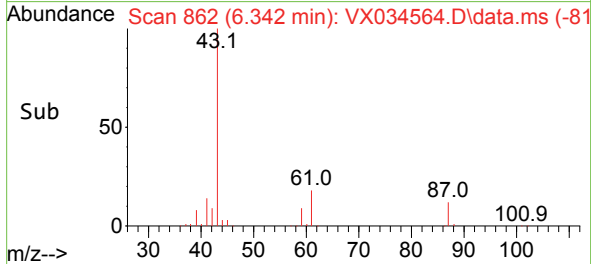
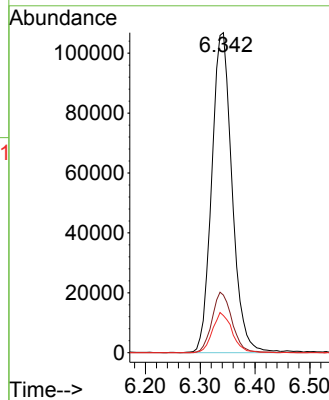
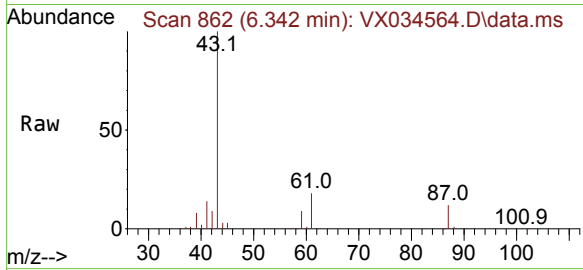




#43
Isopropyl Acetate
Concen: 31.818 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

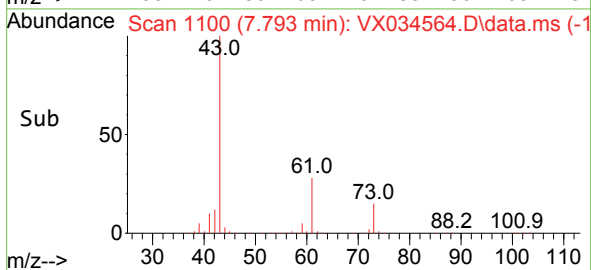
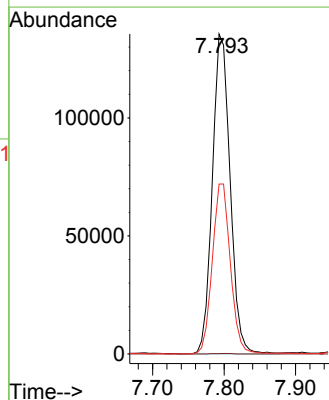
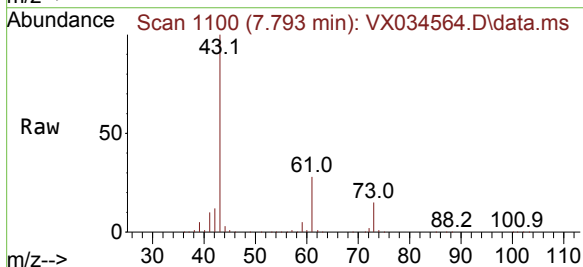
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-3

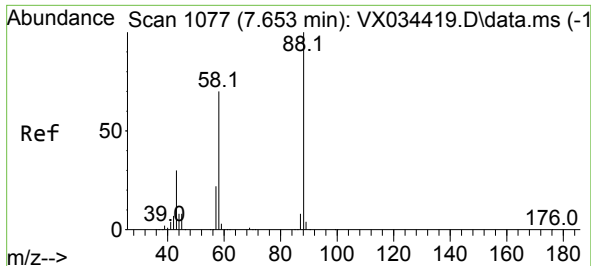
Tgt Ion: 43 Resp: 274858
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 12.1 9.8 14.8



#48
Methyl methacrylate
Concen: 56.350 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

Tgt Ion: 41 Resp: 234115
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 54.1 47.7 71.5





#49

1,4-Dioxane

Concen: 4.653 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.146 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

Instrument :

MSVOA_X

ClientSampleId :

MAPLE-3

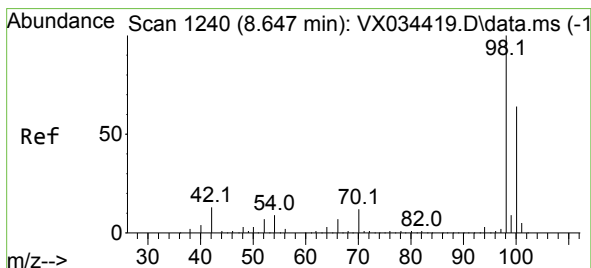
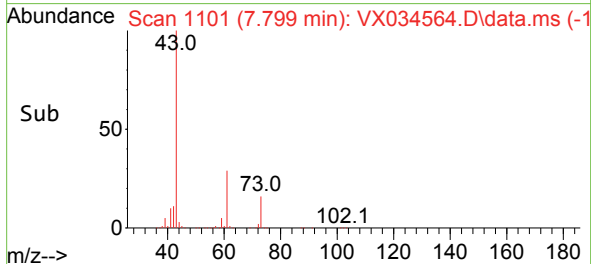
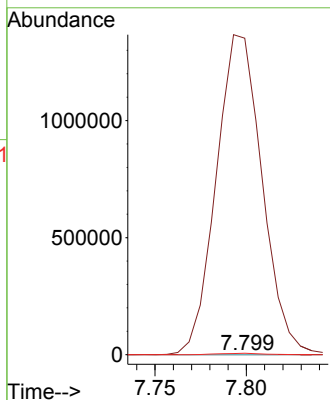
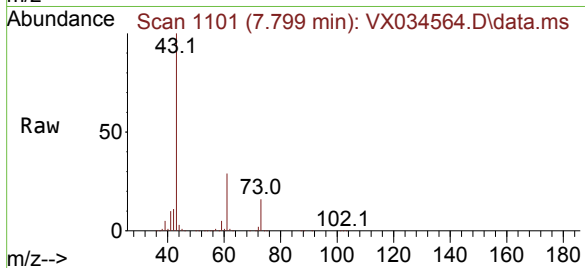
Tgt Ion: 88 Resp: 406

Ion Ratio Lower Upper

88 100

43 593138.9 27.7 41.5#

58 2505.4 56.8 85.2#



#50

Toluene-d8

Concen: 50.193 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034564.D

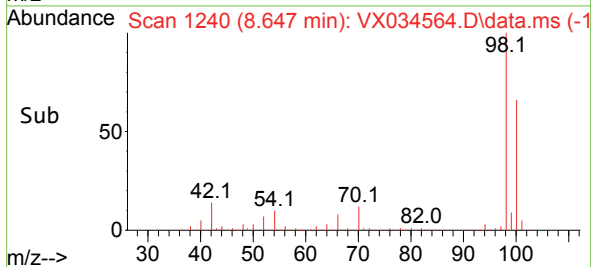
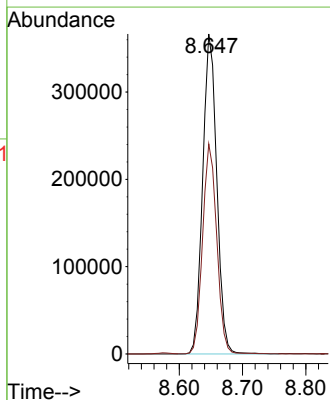
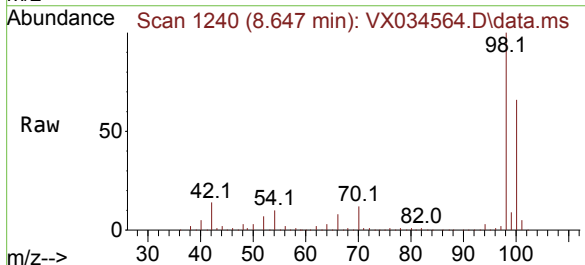
Acq: 17 Mar 2023 05:14

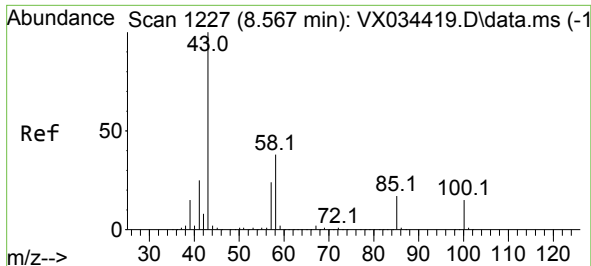
Tgt Ion: 98 Resp: 569423

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7

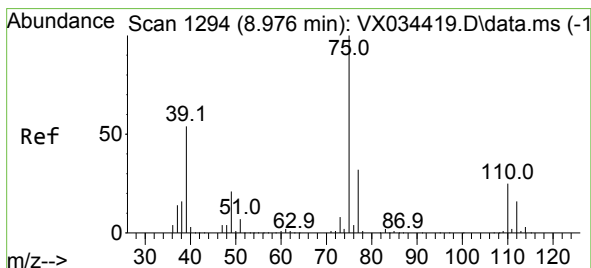
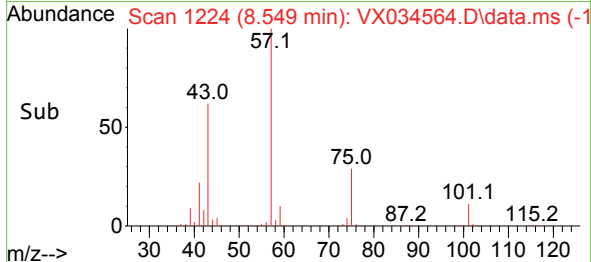
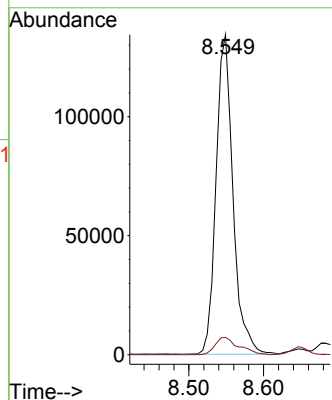
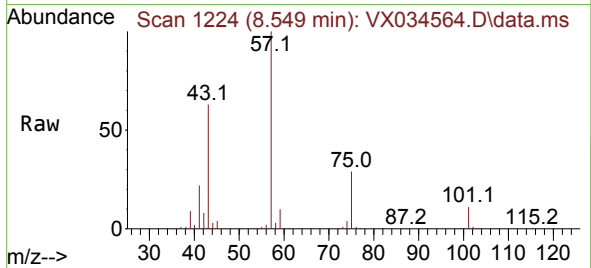




#51
4-Methyl-2-Pentanone
Concen: 42.161 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.019 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

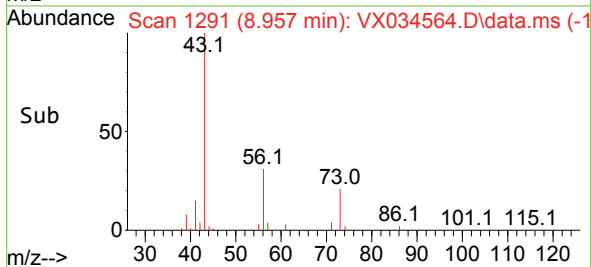
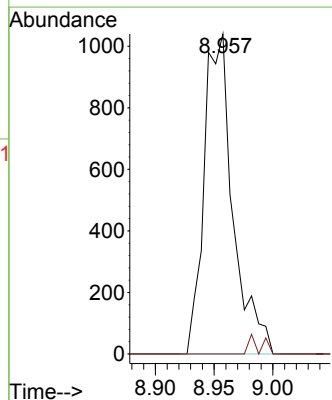
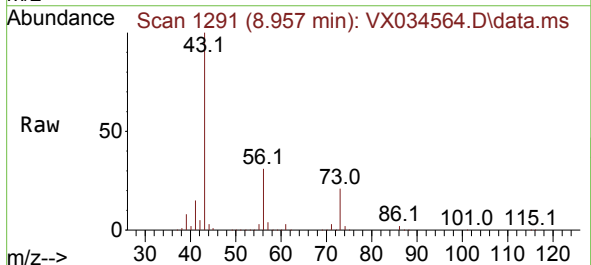
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-3

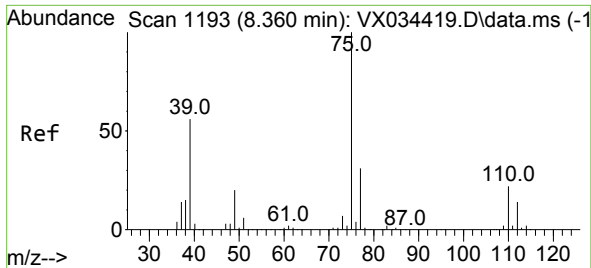
Tgt Ion: 43 Resp: 211281
Ion Ratio Lower Upper
43 100
58 7.6 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.335 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

Tgt Ion: 75 Resp: 1773
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

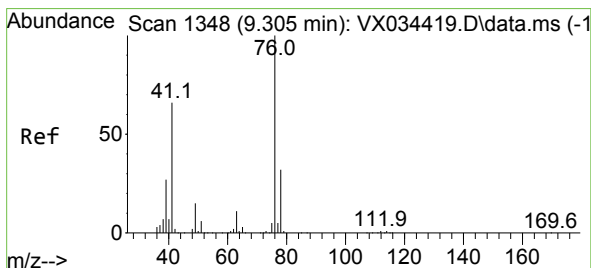
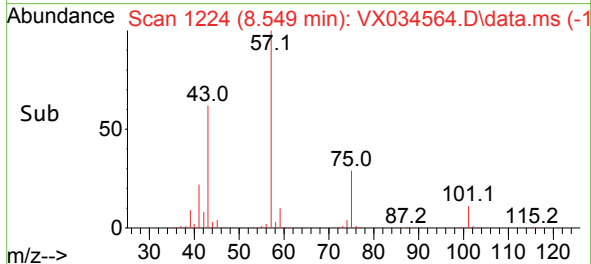
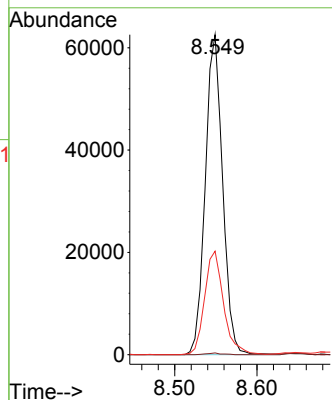
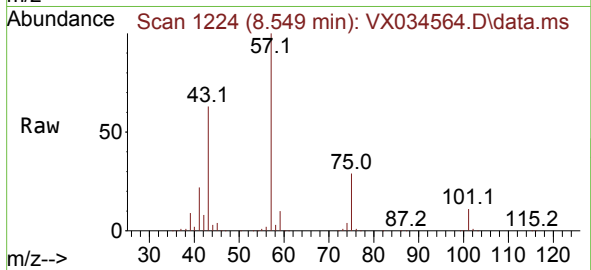




#54
 cis-1,3-Dichloropropene
 Concen: 16.013 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034564.D
 Acq: 17 Mar 2023 05:14

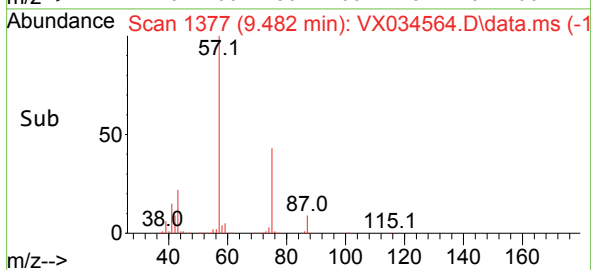
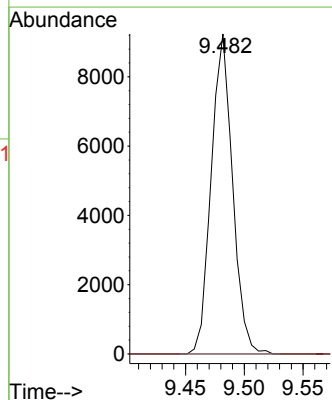
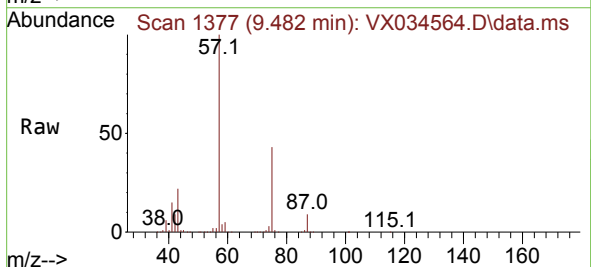
Instrument :
 MSVOA_X
 ClientSampleId :
 MAPLE-3

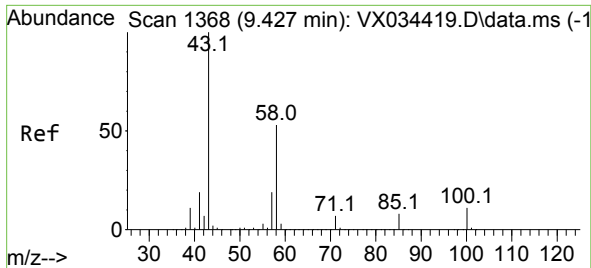
Tgt Ion: 75 Resp: 91560
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 32.4 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.961 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034564.D
 Acq: 17 Mar 2023 05:14

Tgt Ion: 76 Resp: 11693
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

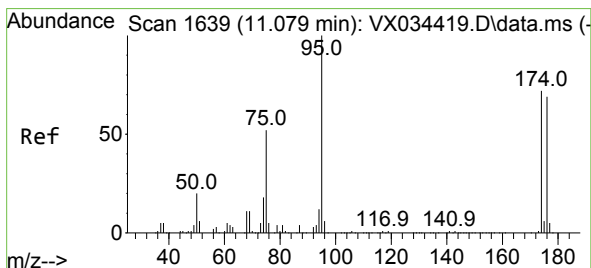
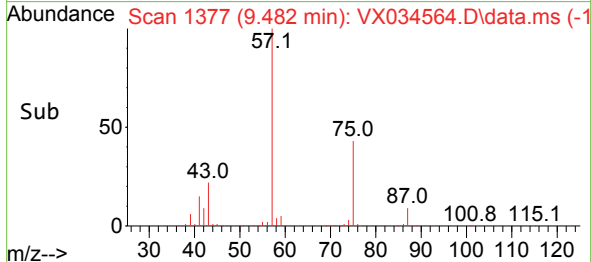
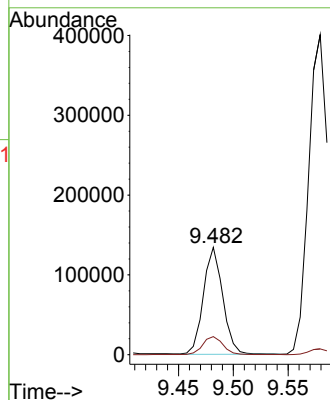
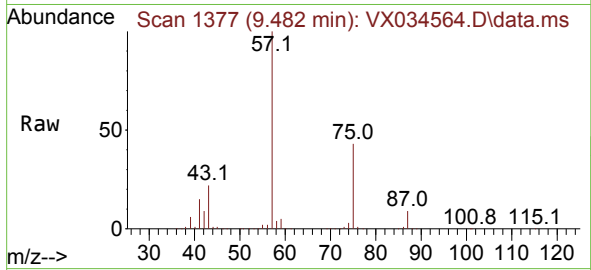




#59
2-Hexanone
Concen: 42.564 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

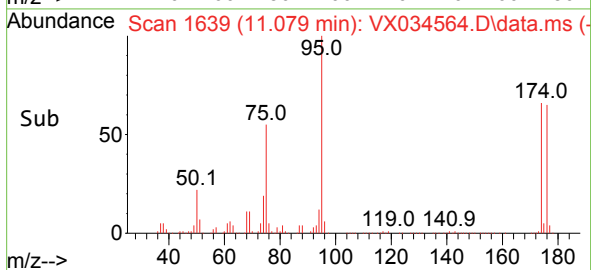
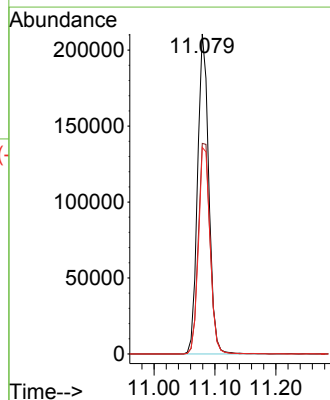
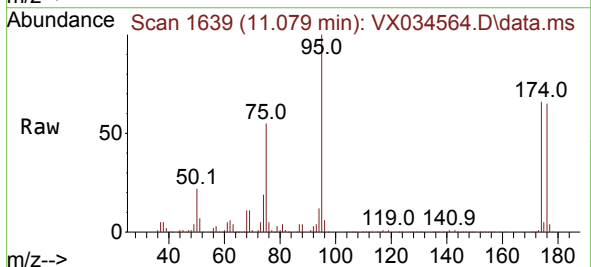
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-3

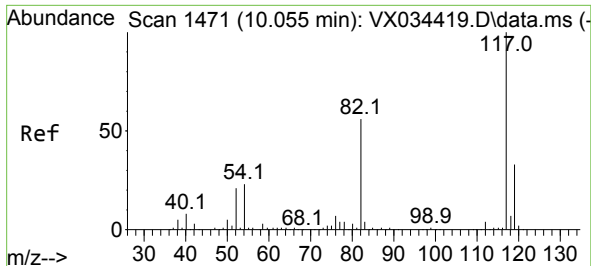
Tgt Ion: 43 Resp: 164883
Ion Ratio Lower Upper
43 100
58 18.2 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 58.580 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

Tgt Ion: 95 Resp: 268435
Ion Ratio Lower Upper
95 100
174 69.1 0.0 147.4
176 67.1 0.0 140.6

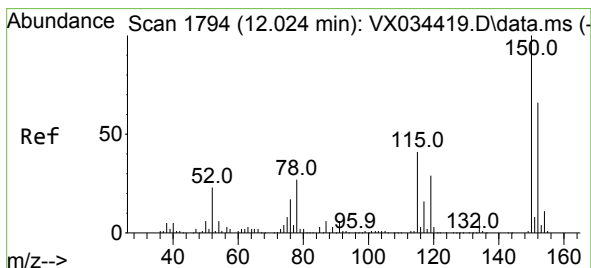
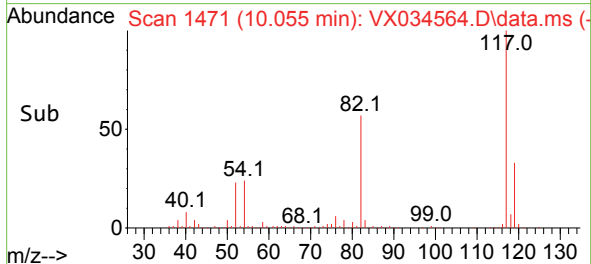
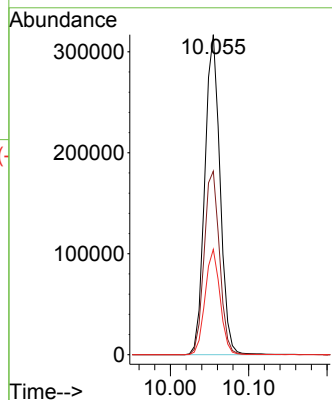
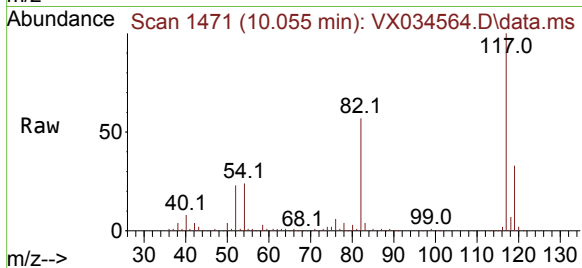




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

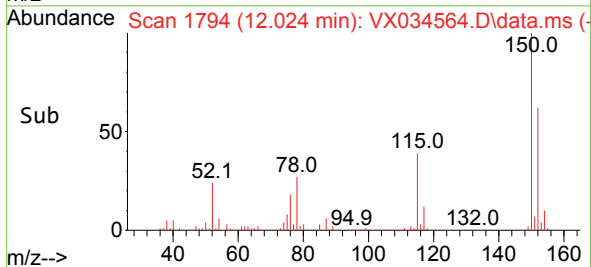
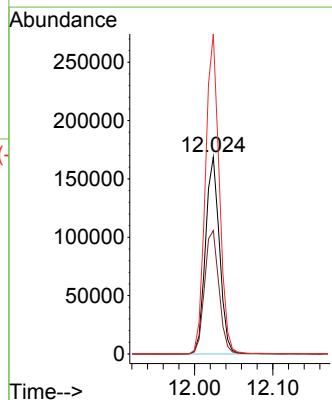
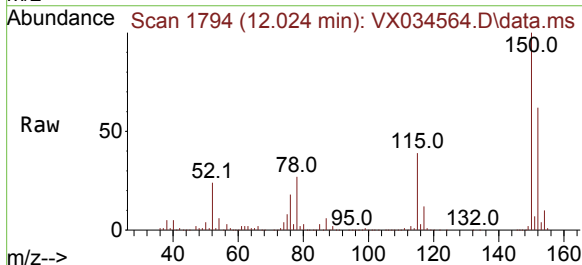
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-3

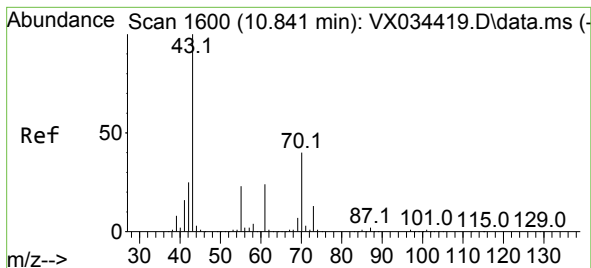
Tgt Ion:117 Resp: 427178
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 32.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

Tgt Ion:152 Resp: 209428
Ion Ratio Lower Upper
152 100
115 64.6 45.0 135.0
150 160.8 0.0 352.4





#74

N-amy1 acetate

Concen: 8.552 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034564.D

Acq: 17 Mar 2023 05:14

Instrument :

MSVOA_X

ClientSampleId :

MAPLE-3

Tgt Ion: 43 Resp: 66298

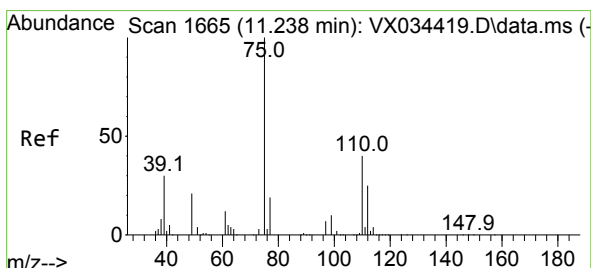
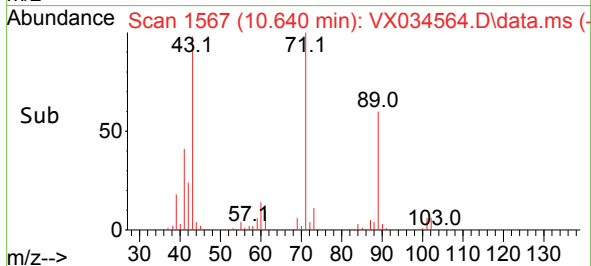
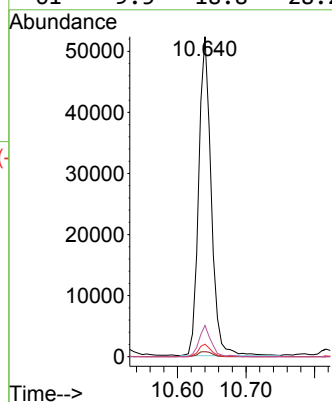
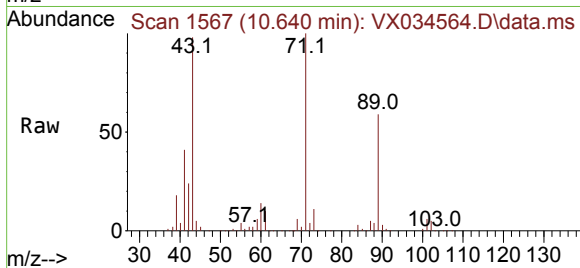
Ion Ratio Lower Upper

43 100

70 1.8 32.1 48.1#

55 4.1 18.3 27.5#

61 9.5 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 30.303 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034564.D

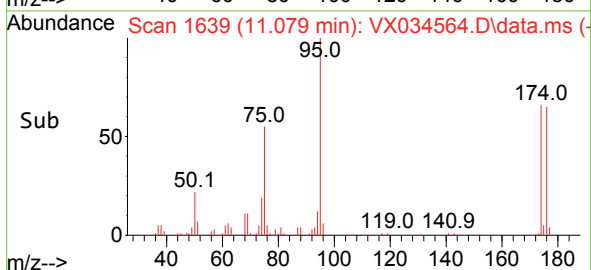
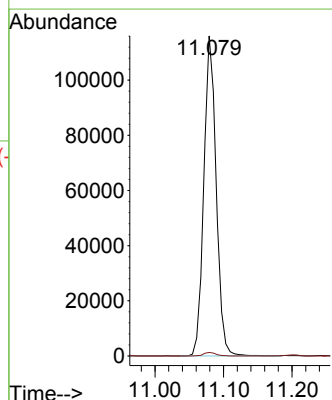
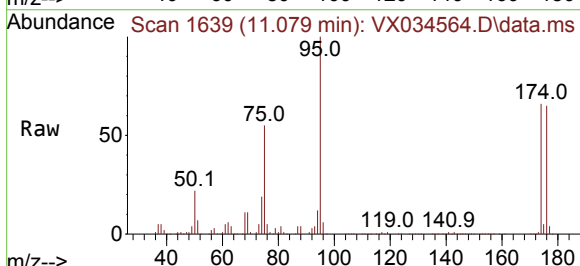
Acq: 17 Mar 2023 05:14

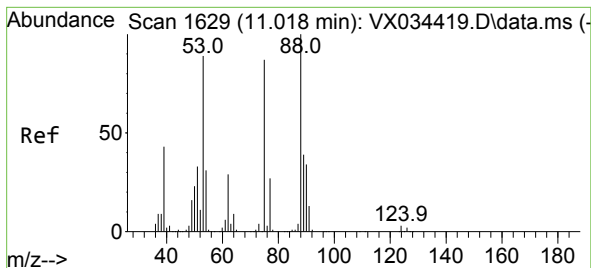
Tgt Ion: 75 Resp: 145720

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#

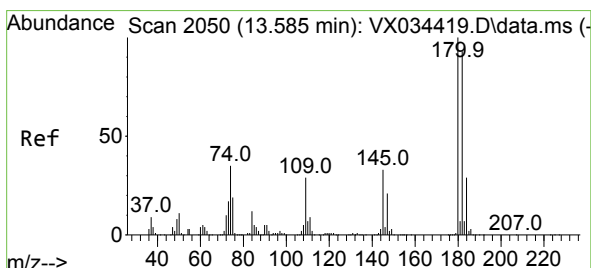
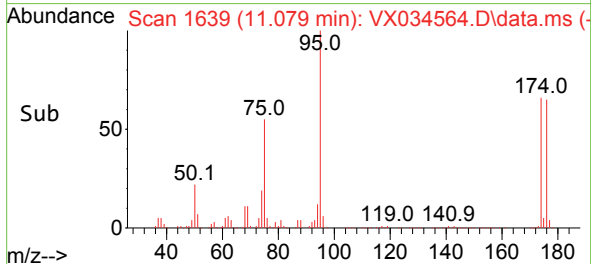
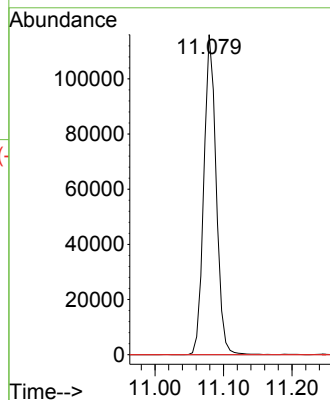
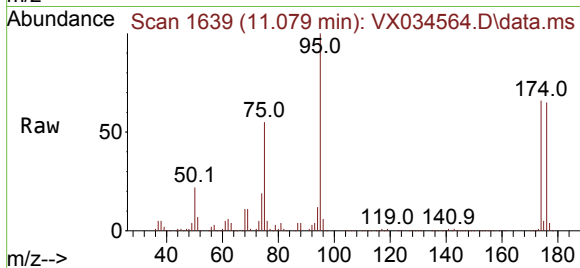




#81
trans-1,4-Dichloro-2-butene
Concen: 81.980 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

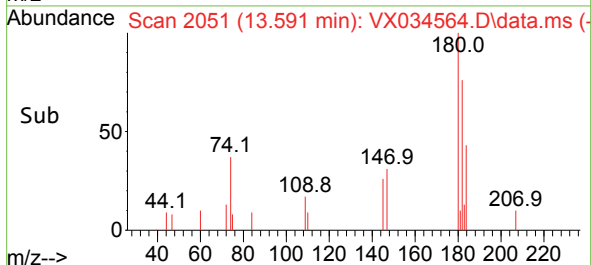
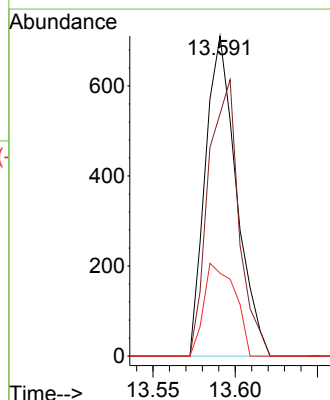
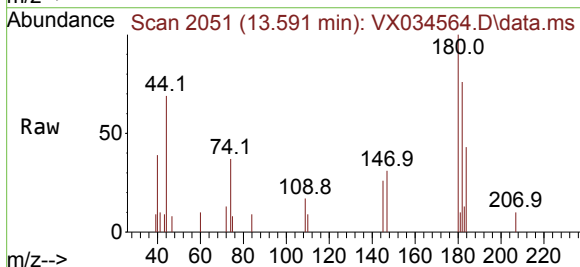
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-3

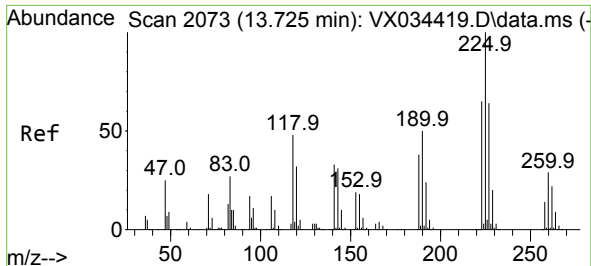
Tgt Ion: 75 Resp: 145720
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

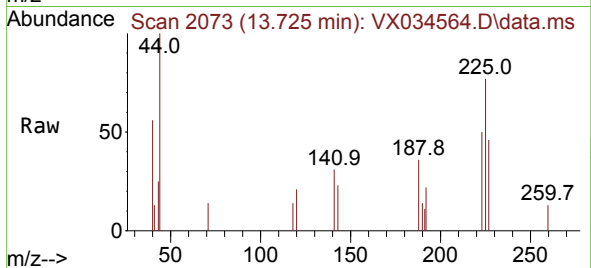
Tgt Ion:180 Resp: 931
Ion Ratio Lower Upper
180 100
182 85.1 47.0 141.0
145 29.1 15.9 47.7





#94
Hexachlorobutadiene
Concen: 0.205 ug/l
RT: 13.725 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX034564.D
Acq: 17 Mar 2023 05:14

Instrument :
MSVOA_X
ClientSampleId :
MAPLE-3



Tgt Ion:	225	Resp:	380
Ion	Ratio	Lower	Upper
225	100		
223	72.6	32.1	96.5
227	59.2	31.8	95.4

