

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034615.D
 Acq On : 18 Mar 2023 06:28
 Operator : JC/MD
 Sample : 01964-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MAPLE-4

Quant Time: Mar 20 00:18:26 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)

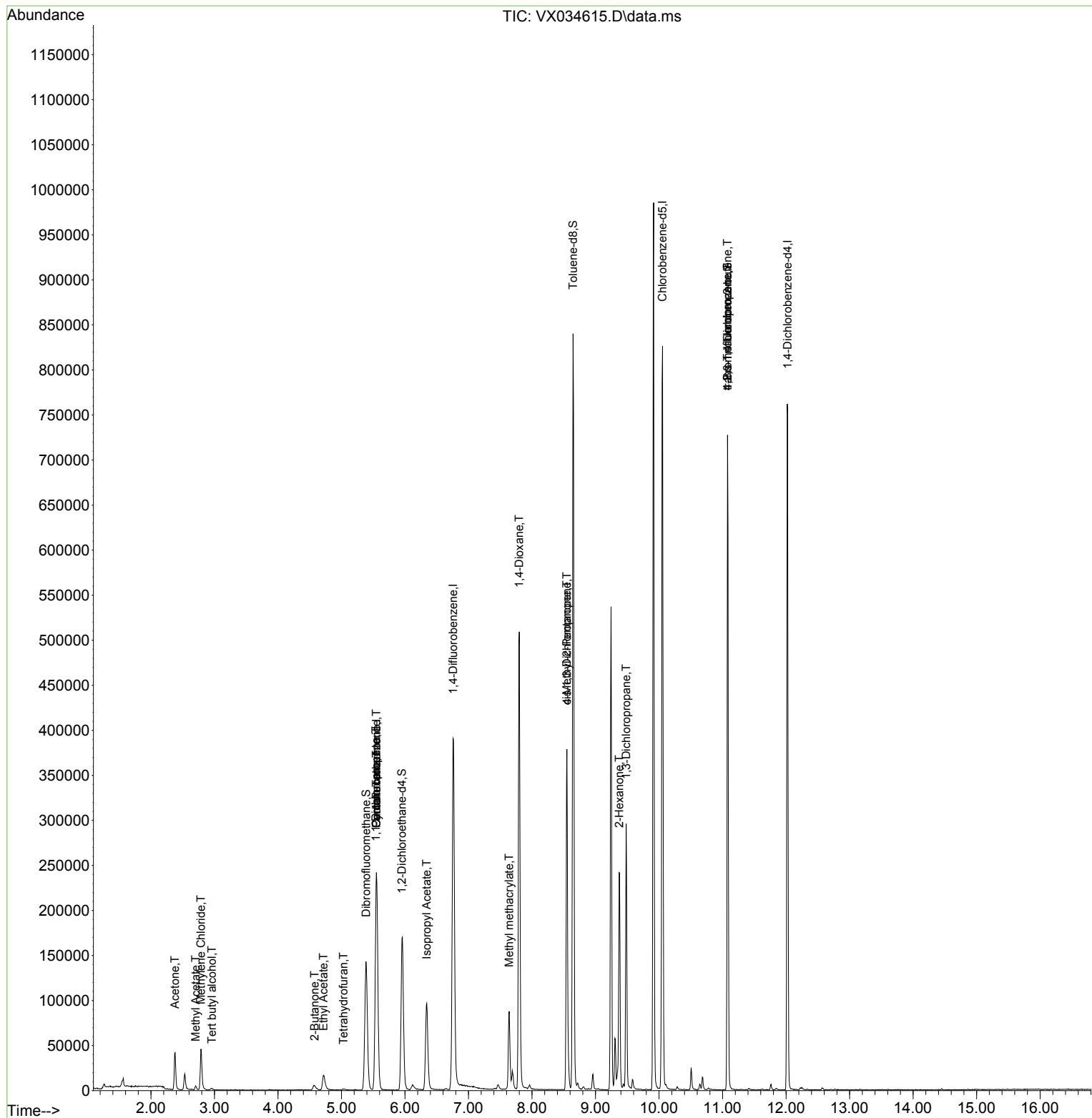
Internal Standards						
1) Pentafluorobenzene	5.550	168	228159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	388458	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	159171	47.954	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.900%
35) Dibromofluoromethane	5.385	113	122702	47.841	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.680%
50) Toluene-d8	8.647	98	477971	49.921	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.840%
62) 4-Bromofluorobenzene	11.079	95	181016	46.806	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	477	Below Cal		90
11) Tert butyl alcohol	2.959	59	1833	2.652 ug/l #		92
16) Acetone	2.380	43	43822	28.028 ug/l		99
18) Methyl Acetate	2.703	43	5572	1.091 ug/l		96
20) Methylene Chloride	2.788	84	19492	6.423 ug/l		98
25) 2-Butanone	4.574	43	10989	4.912 ug/l		99
29) Tetrahydrofuran	5.032	42	1088	0.788 ug/l #		75
31) Cyclohexane	5.550	56	5200	1.117 ug/l #		1
36) 1,1-Dichloropropene	5.544	75	19043	4.834 ug/l #		50
37) Ethyl Acetate	4.715	43	31583	7.339 ug/l		100
38) Carbon Tetrachloride	5.550	117	22840	5.828 ug/l #		16
43) Isopropyl Acetate	6.342	43	137586	18.872 ug/l		100
48) Methyl methacrylate	7.641	41	2512	0.716 ug/l #		1
49) 1,4-Dioxane	7.799	88	67	0.910 ug/l #		1
51) 4-Methyl-2-Pentanone	8.549	43	135439	32.024 ug/l #		51
54) cis-1,3-Dichloropropene	8.549	75	56918	11.795 ug/l #		61
57) 1,3-Dichloropropane	9.482	76	2377	0.472 ug/l #		42
59) 2-Hexanone	9.372	43	172443	52.745 ug/l #		26
76) 1,2,3-Trichloropropane	11.079	75	98922	27.831 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	98922	75.291 ug/l #		8

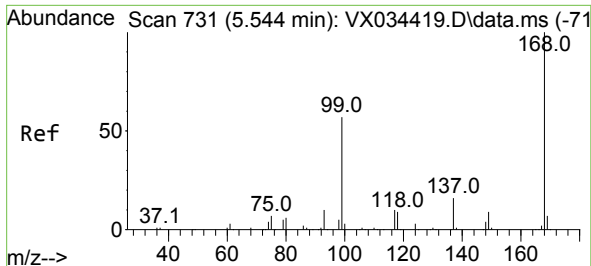
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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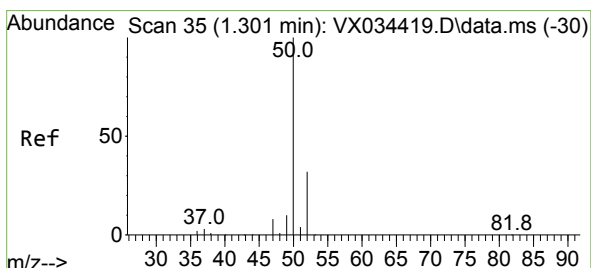
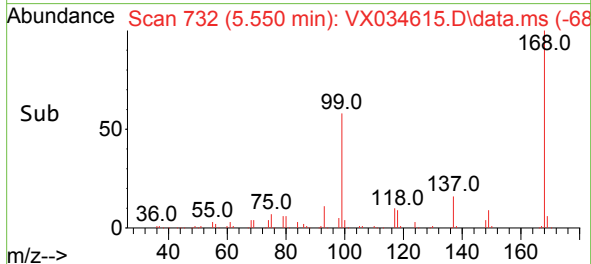
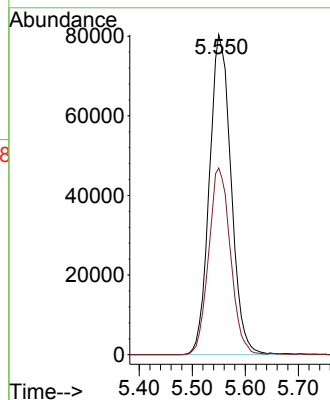
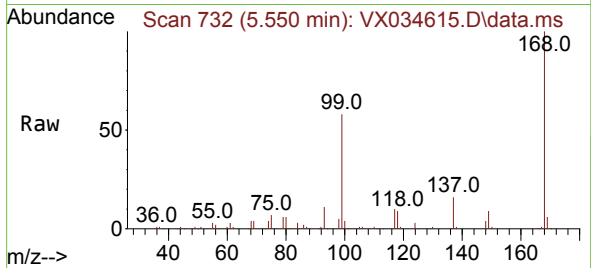




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

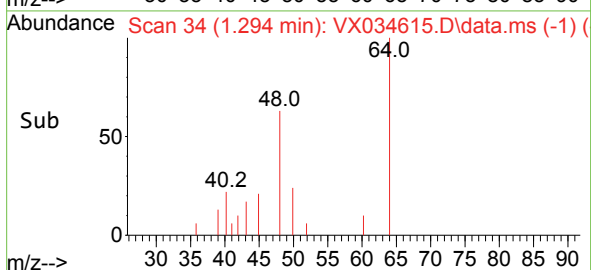
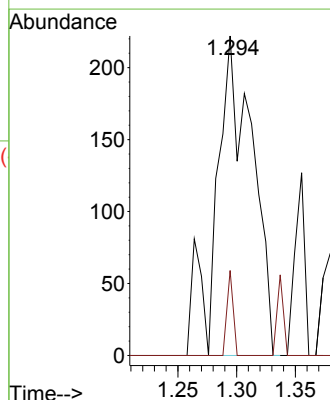
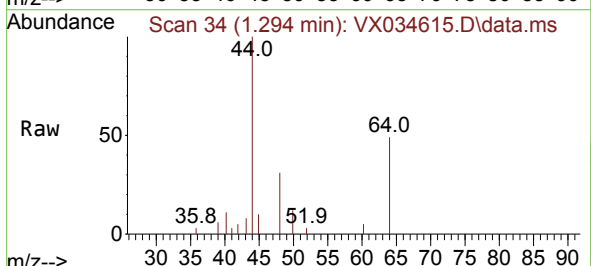
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-4

Tgt Ion:168 Resp: 228159
Ion Ratio Lower Upper
168 100
99 58.3 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Tgt Ion: 50 Resp: 477
Ion Ratio Lower Upper
50 100
52 26.6 25.9 38.9





#11

Tert butyl alcohol

Concen: 2.652 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX034615.D

Acq: 18 Mar 2023 06:28

Instrument :

MSVOA_X

ClientSampleId :

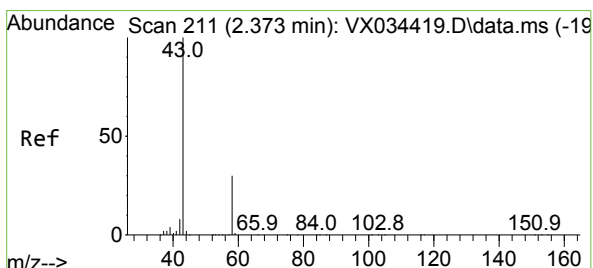
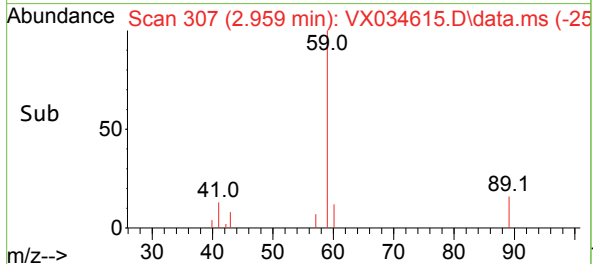
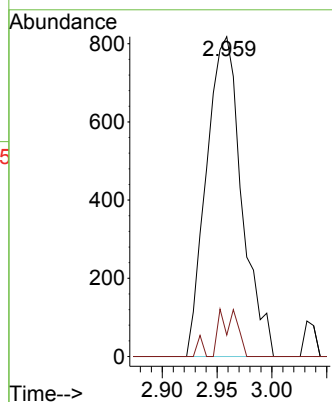
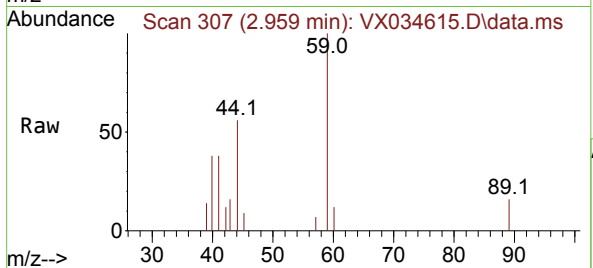
MAPLE-4

Tgt Ion: 59 Resp: 1833

Ion Ratio Lower Upper

59 100

57 7.1 8.1 12.1#



#16

Acetone

Concen: 28.028 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034615.D

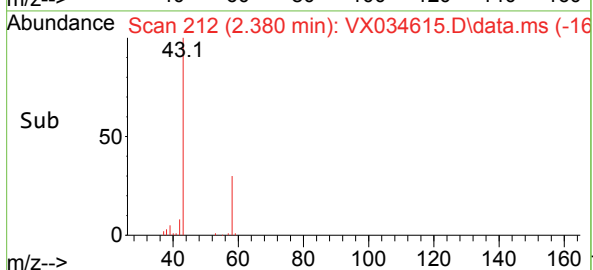
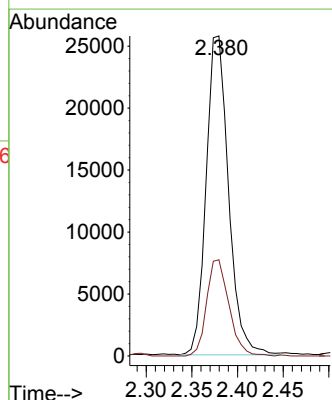
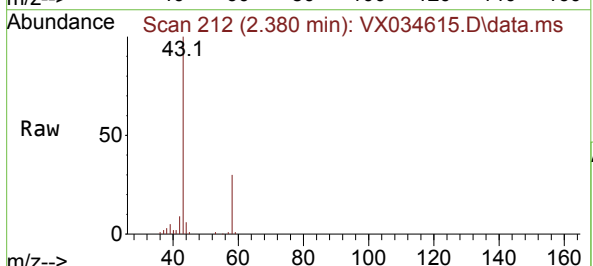
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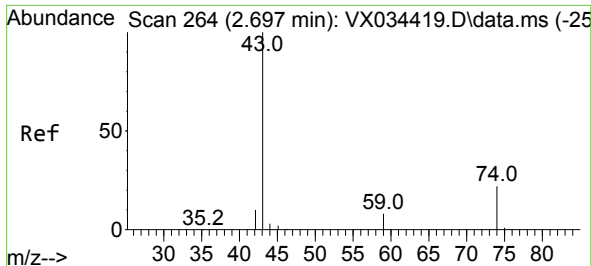
Tgt Ion: 43 Resp: 43822

Ion Ratio Lower Upper

43 100

58 30.2 24.7 37.1





#18

Methyl Acetate

Concen: 1.091 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX034615.D

Acq: 18 Mar 2023 06:28

Instrument :

MSVOA_X

ClientSampleId :

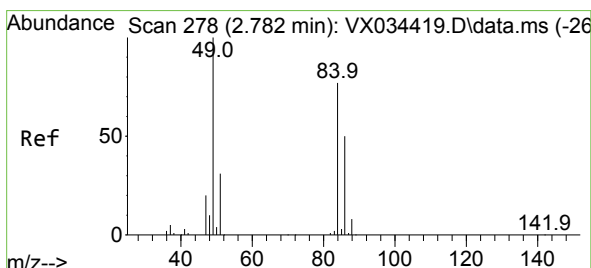
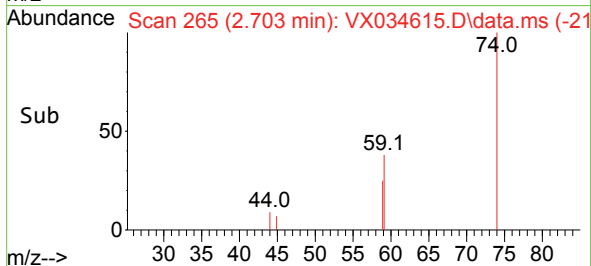
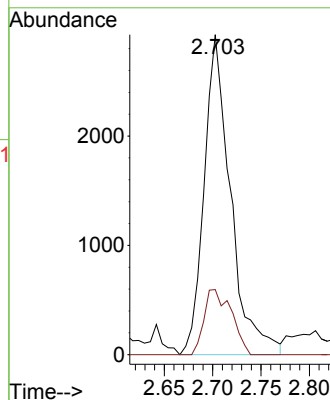
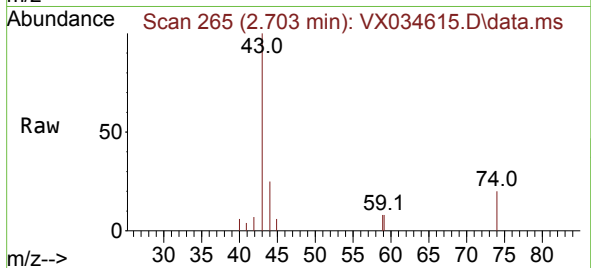
MAPLE-4

Tgt Ion: 43 Resp: 5572

Ion Ratio Lower Upper

43 100

74 21.0 18.3 27.5



#20

Methylene Chloride

Concen: 6.423 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX034615.D

Acq: 18 Mar 2023 06:28

Tgt Ion: 84 Resp: 19492

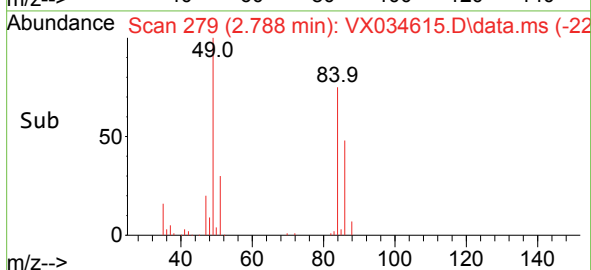
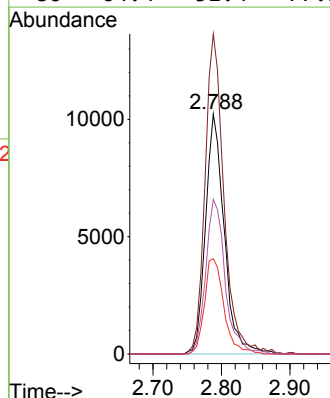
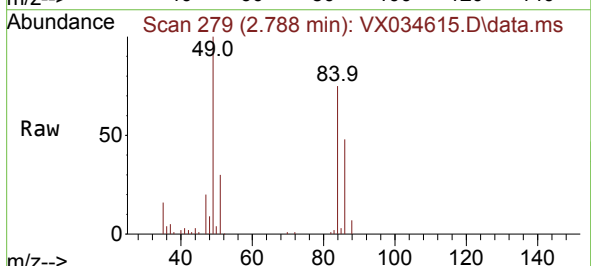
Ion Ratio Lower Upper

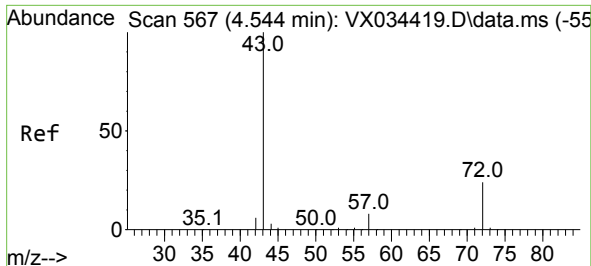
84 100

49 133.3 103.8 155.8

51 39.7 31.8 47.8

86 64.4 51.4 77.2

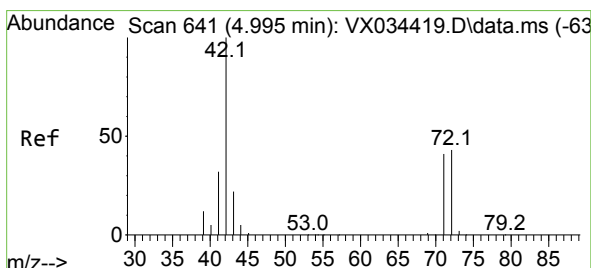
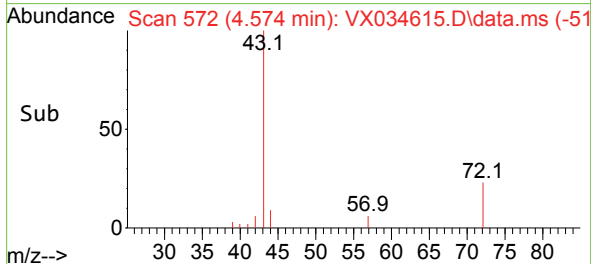
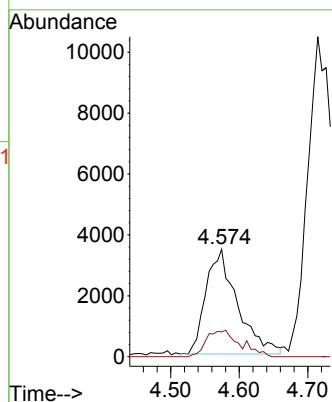
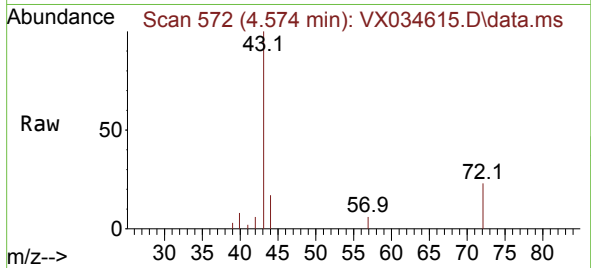




#25
2-Butanone
Concen: 4.912 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

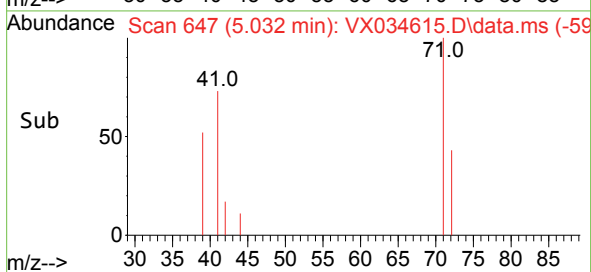
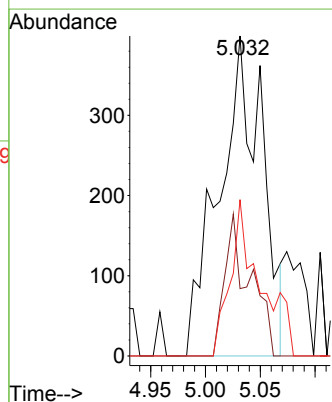
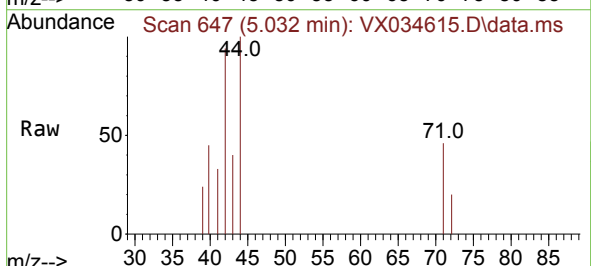
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-4

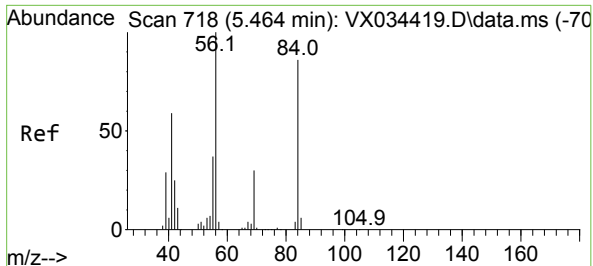
Tgt Ion: 43 Resp: 10989
Ion Ratio Lower Upper
43 100
72 23.7 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.788 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.037 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Tgt Ion: 42 Resp: 1088
Ion Ratio Lower Upper
42 100
72 17.6 34.5 51.7#
71 34.0 32.1 48.1

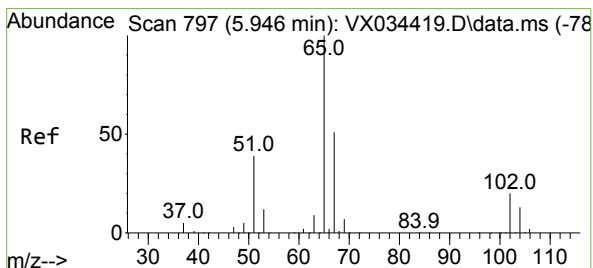
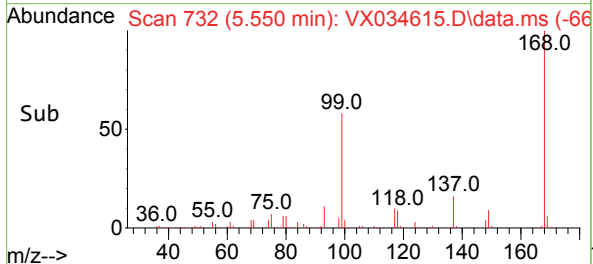
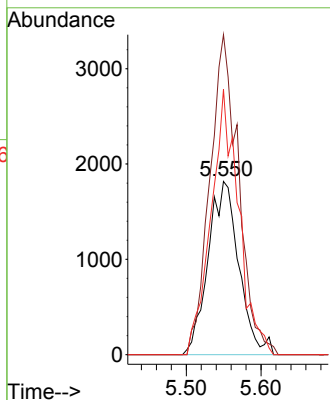
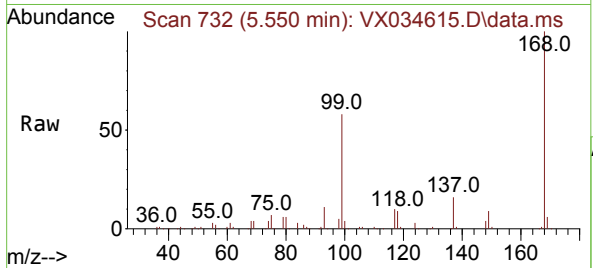




#31
Cyclohexane
Concen: 1.117 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

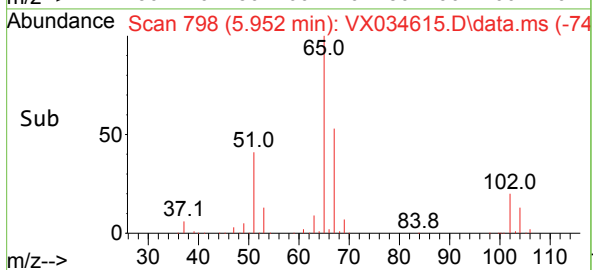
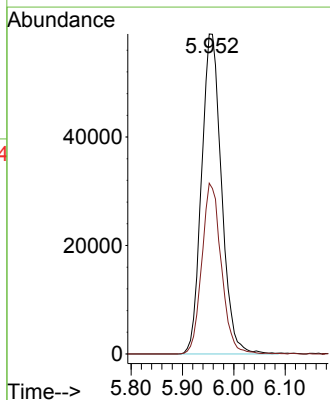
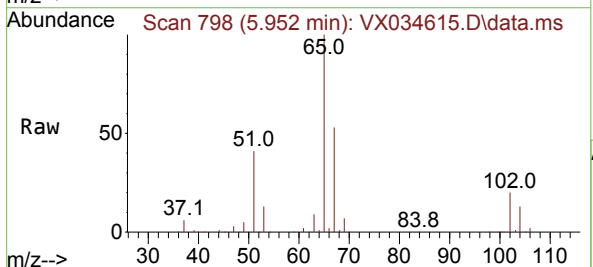
Instrument :
MSVOA_X
ClientSampleId :
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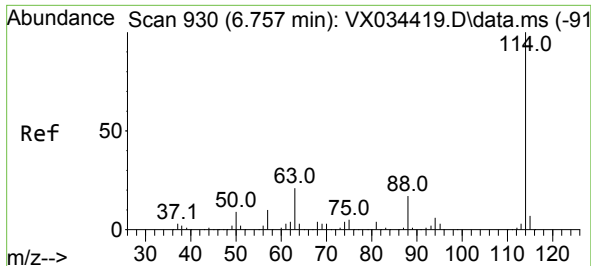
Tgt Ion: 56 Resp: 5200
Ion Ratio Lower Upper
56 100
69 184.7 23.7 35.5#
84 153.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.954 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Tgt Ion: 65 Resp: 159171
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.0

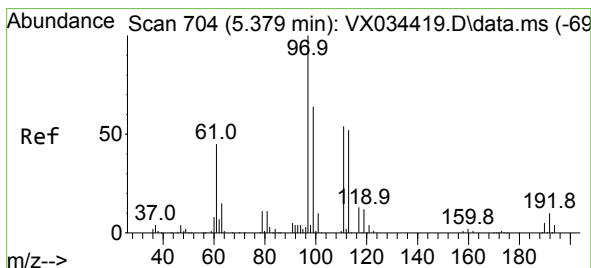
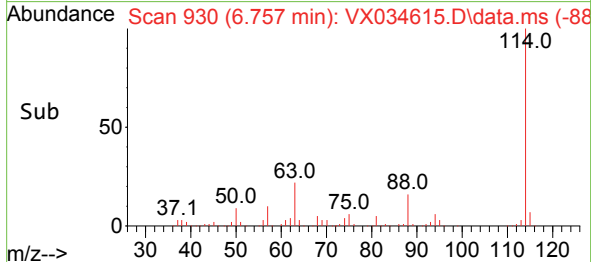
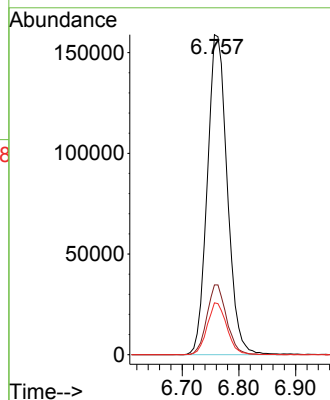
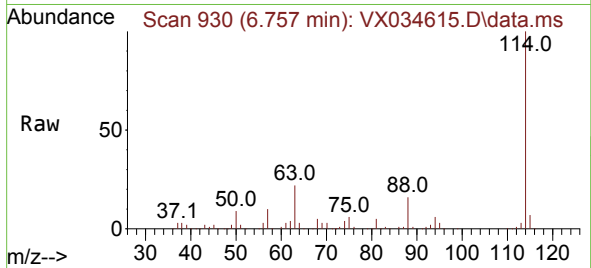




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

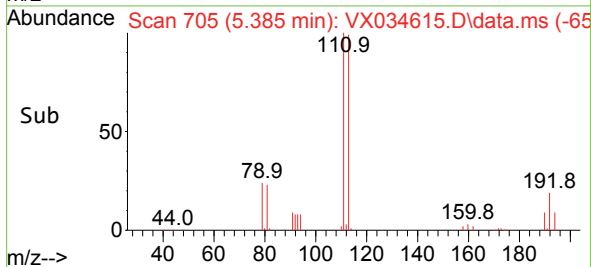
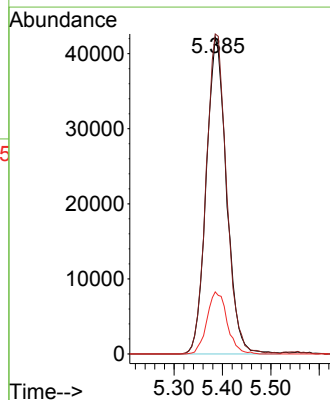
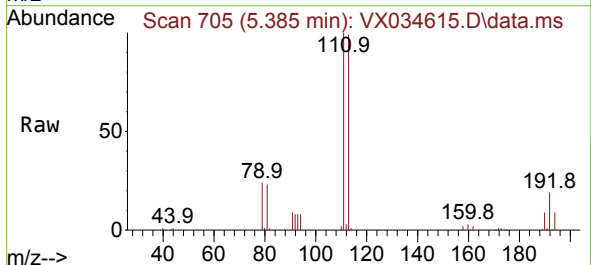
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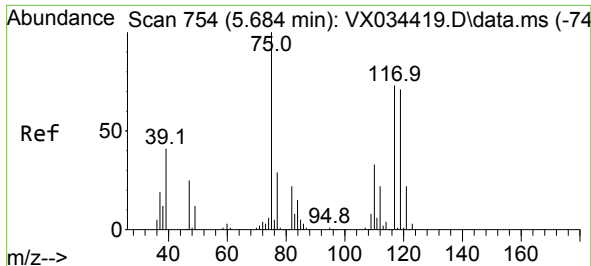
Tgt Ion:114 Resp: 388458
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.2
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.841 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Tgt Ion:113 Resp: 122702
Ion Ratio Lower Upper
113 100
111 101.6 83.7 125.5
192 19.5 15.4 23.2

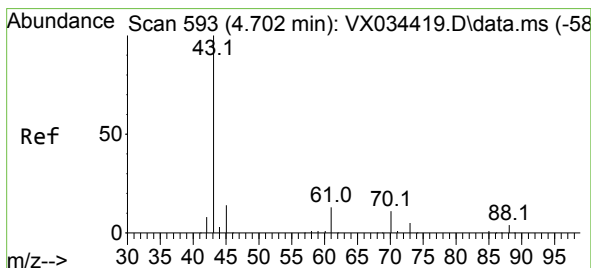
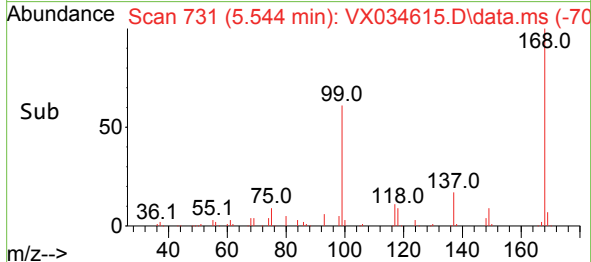
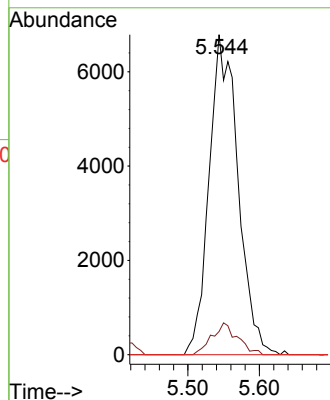
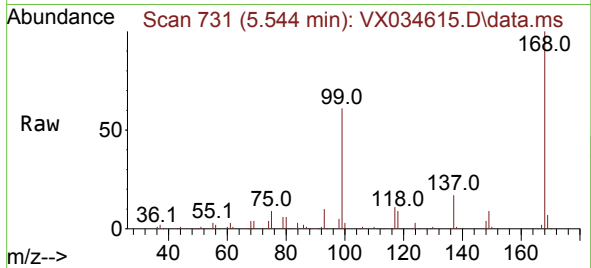




#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

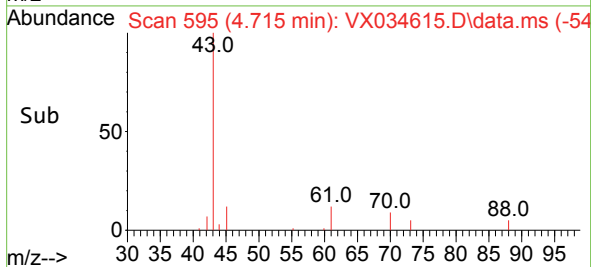
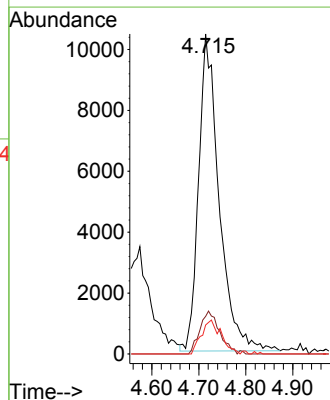
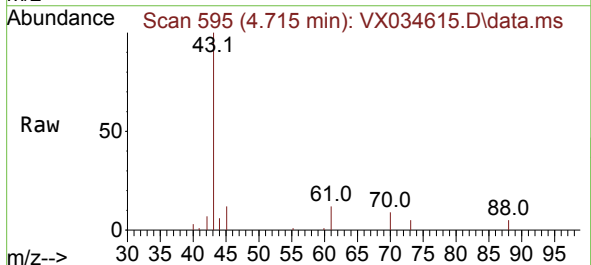
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-4

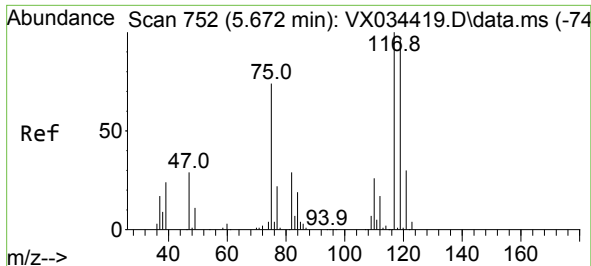
Tgt Ion: 75 Resp: 19043
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 7.339 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

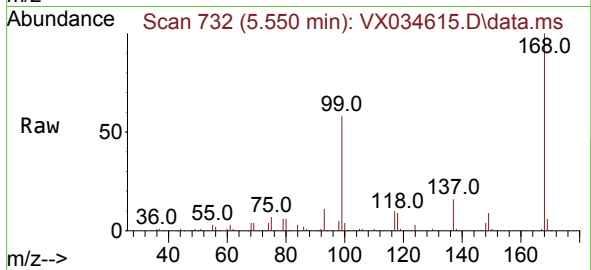
Tgt Ion: 43 Resp: 31583
Ion Ratio Lower Upper
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61 12.9 10.2 15.4
70 10.3 8.2 12.4



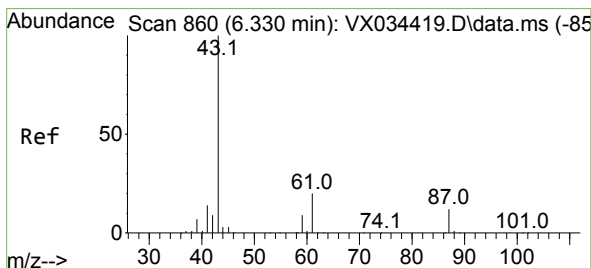
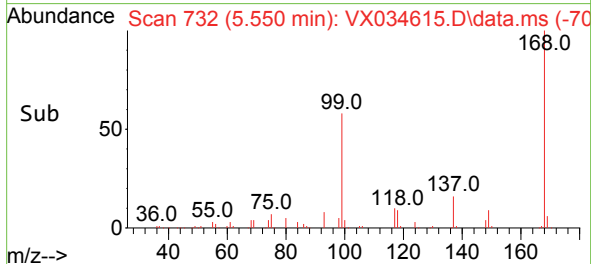
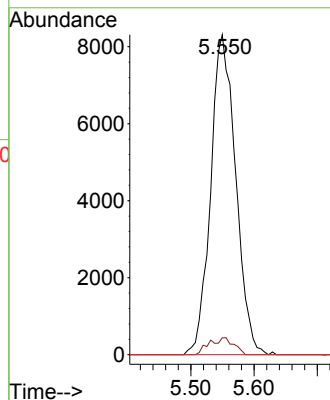


#38
Carbon Tetrachloride
Concen: 5.828 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Instrument :
MSVOA_X
ClientSampleId :
MAPLE-4

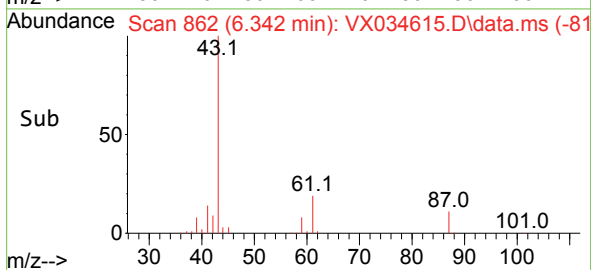
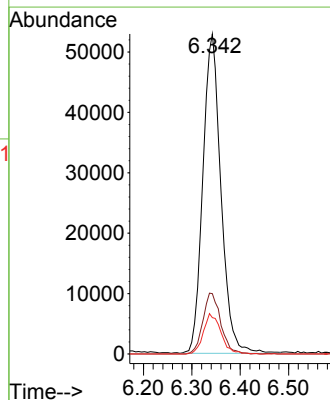
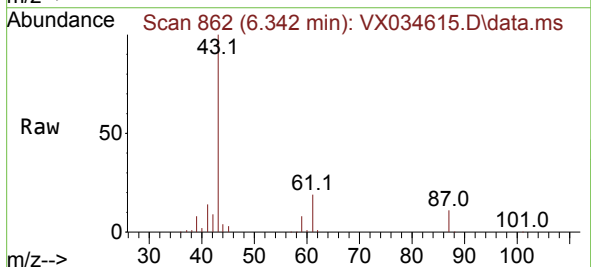


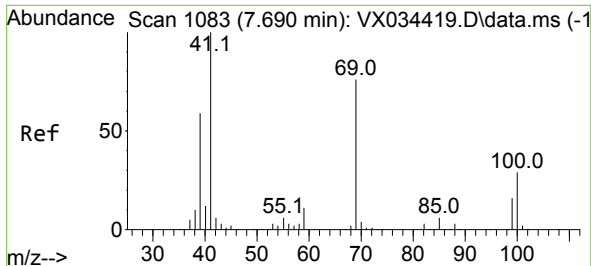
Tgt Ion:117 Resp: 22840
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 18.872 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Tgt Ion: 43 Resp: 137586
Ion Ratio Lower Upper
43 100
61 18.7 15.2 22.8
87 12.2 9.8 14.8

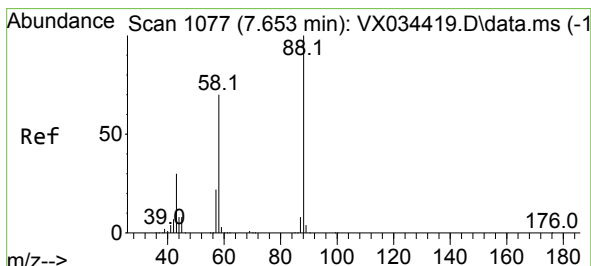
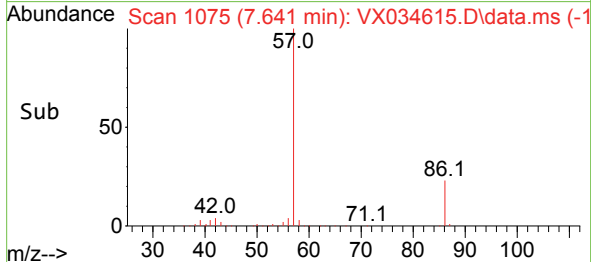
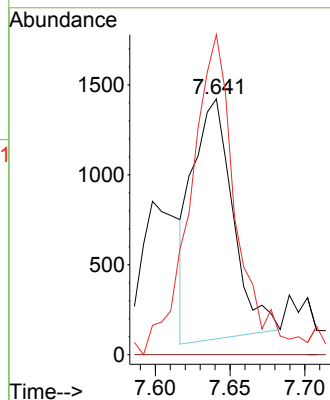
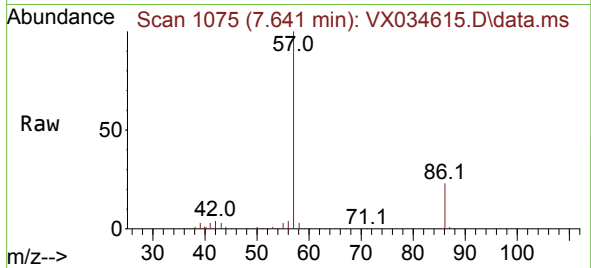




#48
Methyl methacrylate
Concen: 0.716 ug/l
RT: 7.641 min Scan# 1100
Delta R.T. -0.049 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

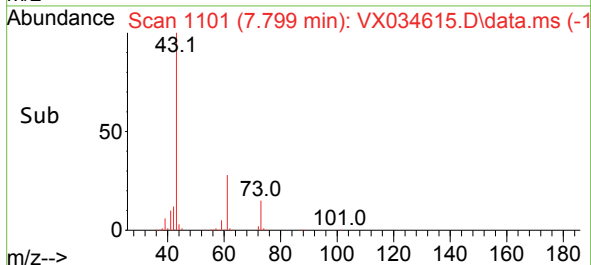
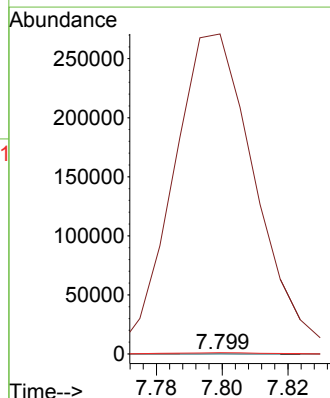
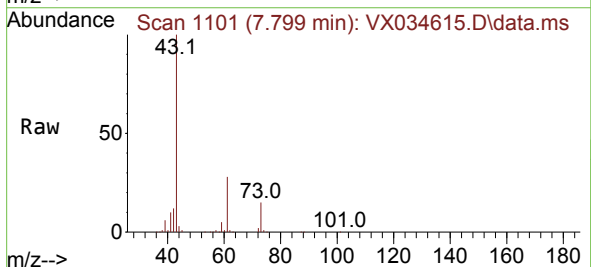
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-4

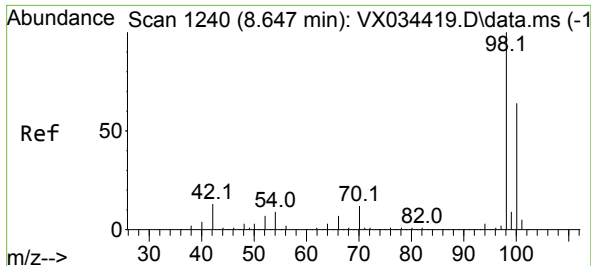
Tgt Ion: 41 Resp: 2512
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 149.2 47.7 71.5#



#49
1,4-Dioxane
Concen: 0.910 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.146 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 718111.9 27.7 41.5#
58 3150.7 56.8 85.2#

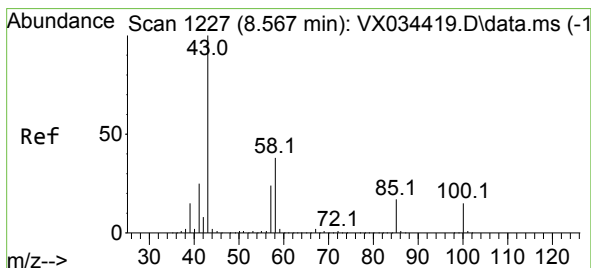
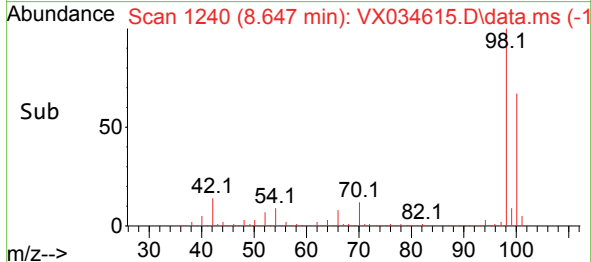
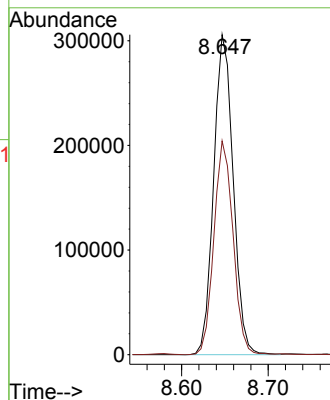
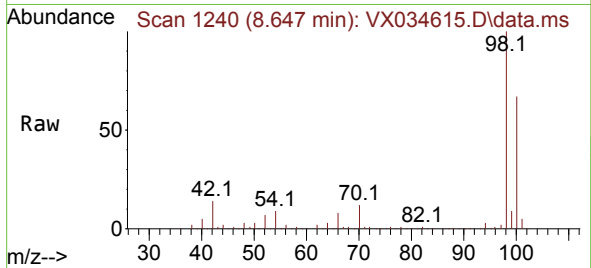




#50
Toluene-d8
Concen: 49.921 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

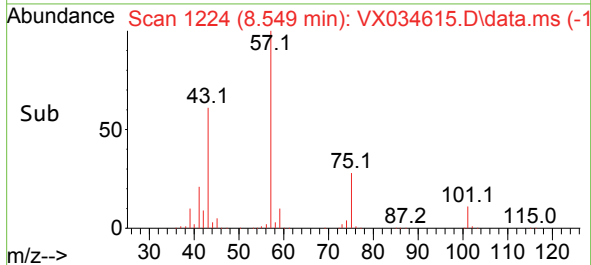
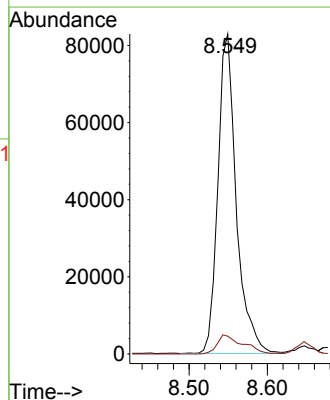
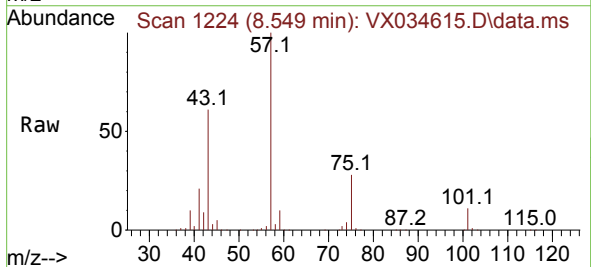
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-4

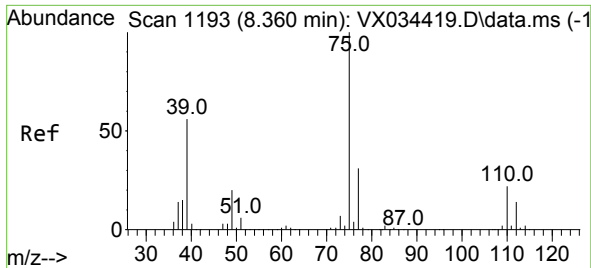
Tgt Ion: 98 Resp: 477971
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 32.024 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Tgt Ion: 43 Resp: 135439
Ion Ratio Lower Upper
43 100
58 8.4 30.6 46.0#

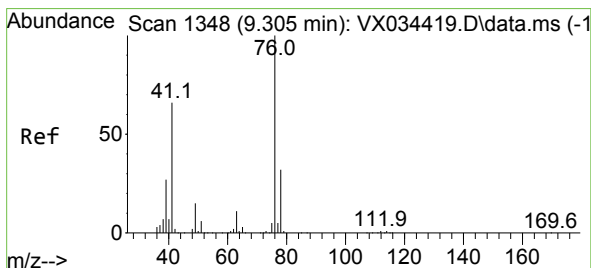
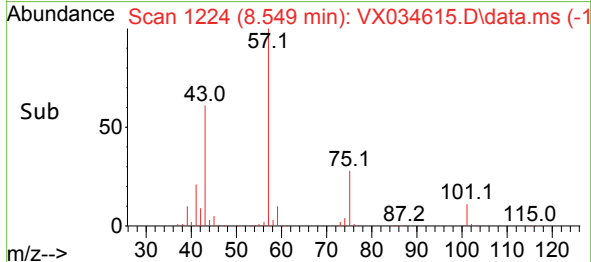
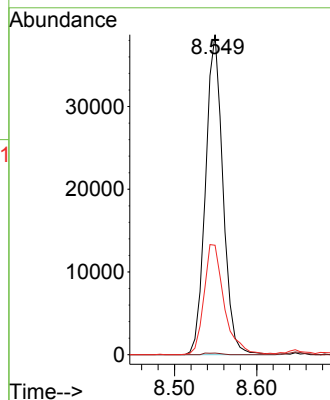
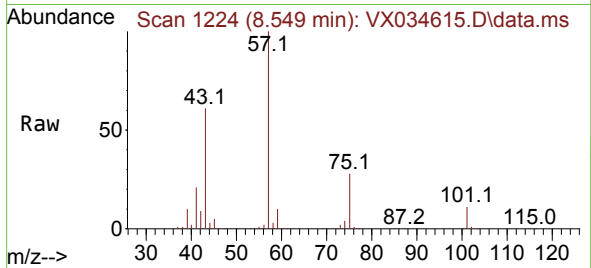




#54
 cis-1,3-Dichloropropene
 Concen: 11.795 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034615.D
 Acq: 18 Mar 2023 06:28

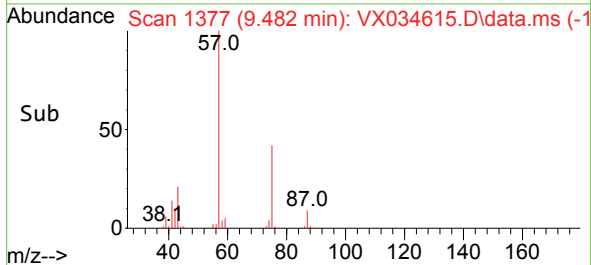
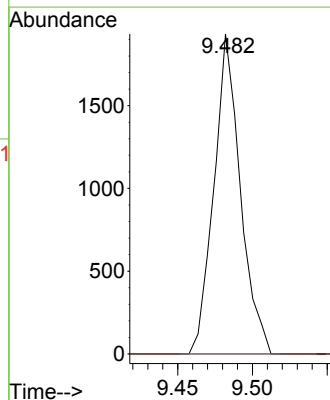
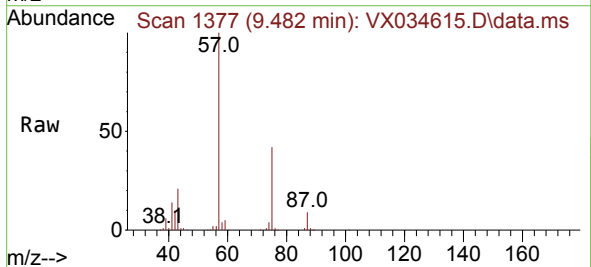
Instrument :
 MSVOA_X
 ClientSampleId :
 MAPLE-4

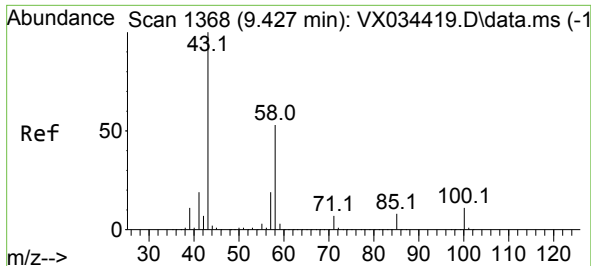
Tgt Ion: 75 Resp: 56918
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 34.2 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 0.472 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034615.D
 Acq: 18 Mar 2023 06:28

Tgt Ion: 76 Resp: 2377
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

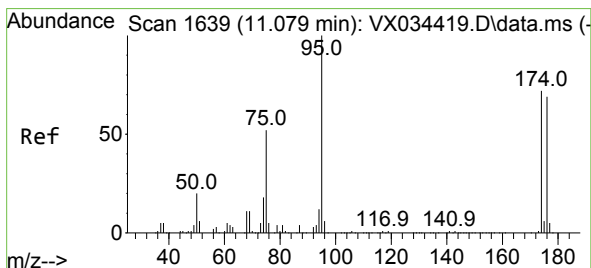
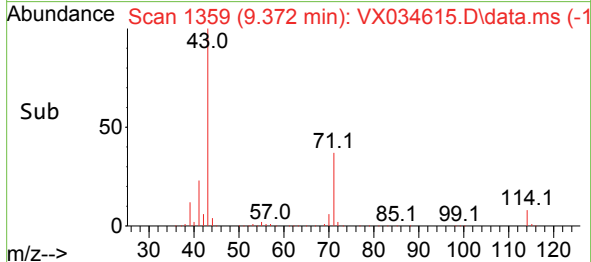
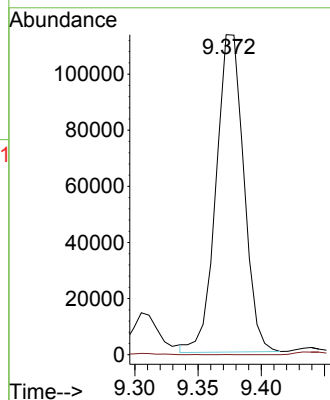
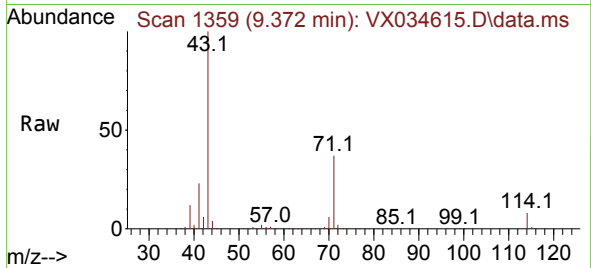




#59
2-Hexanone
Concen: 52.745 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

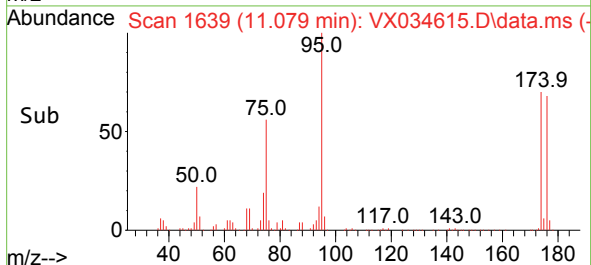
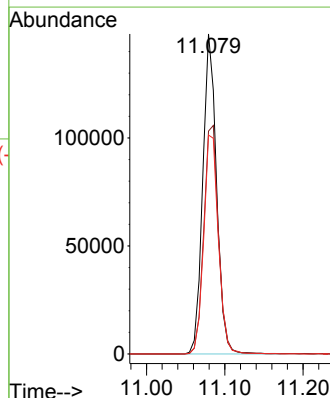
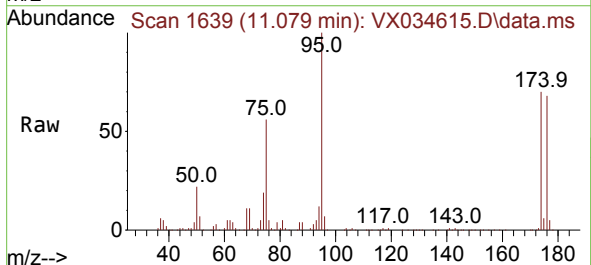
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-4

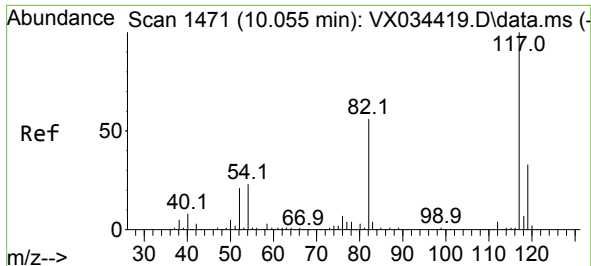
Tgt Ion: 43 Resp: 172443
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 46.806 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Tgt Ion: 95 Resp: 181016
Ion Ratio Lower Upper
95 100
174 76.3 0.0 147.4
176 72.9 0.0 140.6

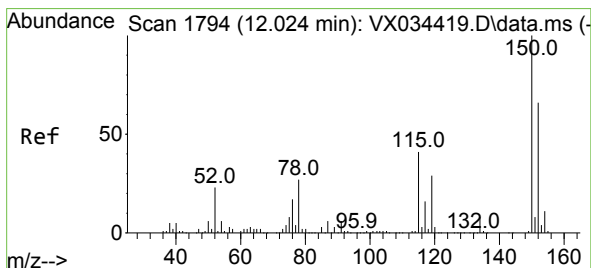
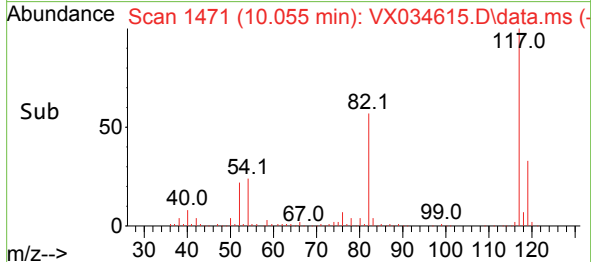
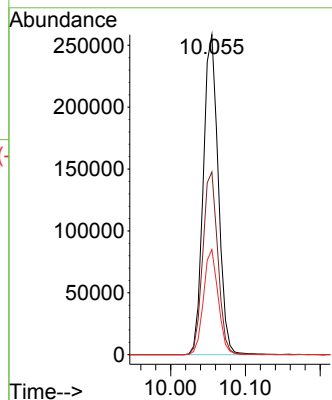
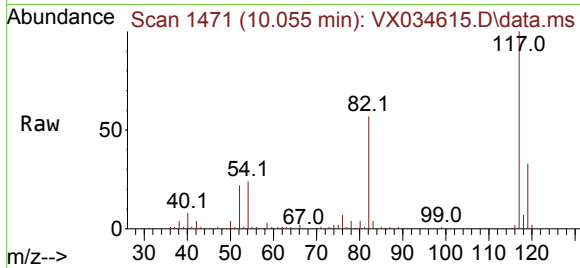




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

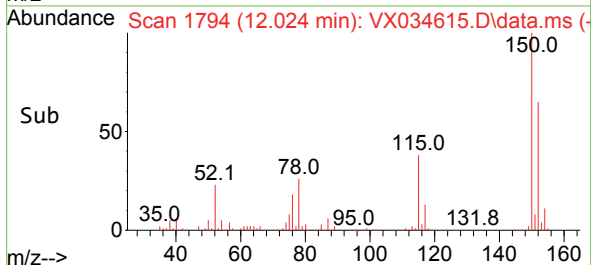
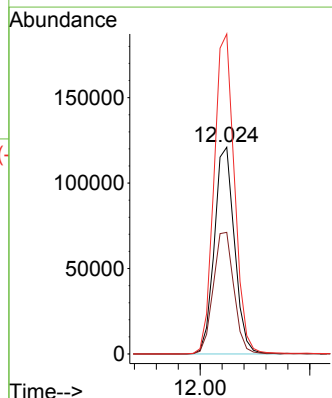
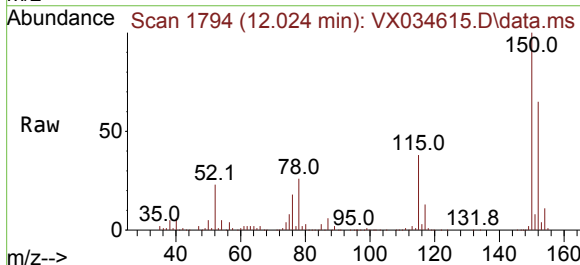
Instrument :
MSVOA_X
ClientSampleId :
MAPLE-4

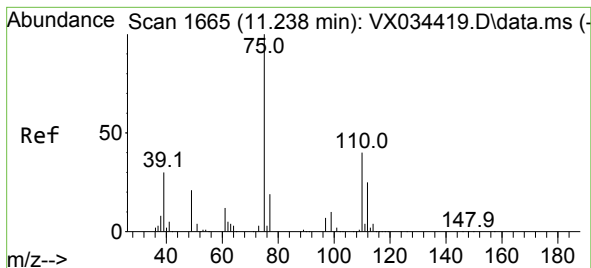
Tgt Ion:117 Resp: 360037
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 32.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034615.D
Acq: 18 Mar 2023 06:28

Tgt Ion:152 Resp: 154800
Ion Ratio Lower Upper
152 100
115 60.2 45.0 135.0
150 156.8 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 27.831 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034615.D

Acq: 18 Mar 2023 06:28

Instrument :

MSVOA_X

ClientSampleId :

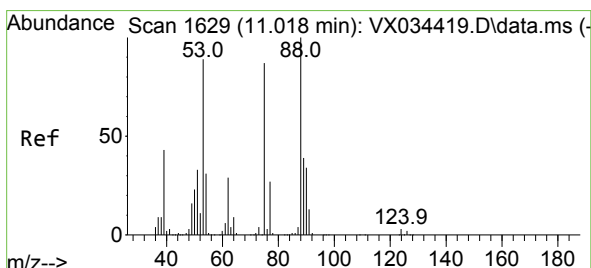
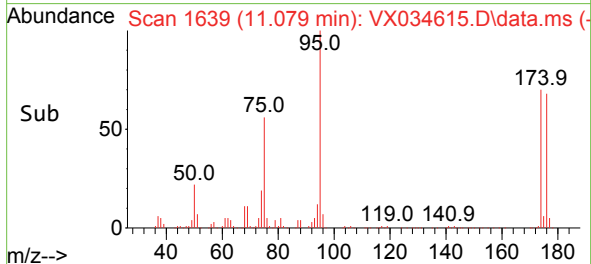
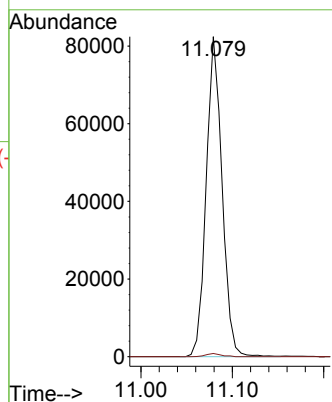
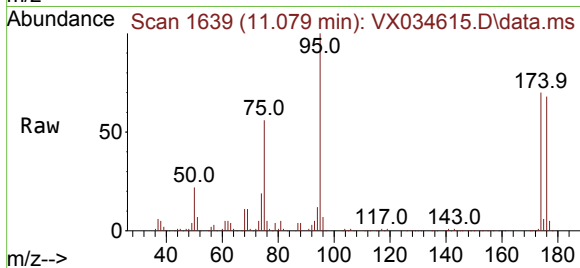
MAPLE-4

Tgt Ion: 75 Resp: 98922

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.291 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034615.D

Acq: 18 Mar 2023 06:28

Tgt Ion: 75 Resp: 98922

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

