

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034539.D
 Acq On : 16 Mar 2023 12:39
 Operator : JC/MD
 Sample : PB151426ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#01

Quant Time: Mar 17 06:23:27 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	5.556	168	250130	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	432225	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	393792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	175999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	174391	47.924	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.840%		
35) Dibromofluoromethane	5.385	113	134355	47.080	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.160%		
50) Toluene-d8	8.647	98	521723	48.973	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.940%		
62) 4-Bromofluorobenzene	11.079	95	210026	48.808	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.620%		
Target Compounds						
3) Chloromethane	1.294	50	367	Below Cal	Qvalue	90
11) Tert butyl alcohol	2.953	59	2071	2.733 ug/l #		76
13) Acrolein	2.233	56	394	0.657 ug/l #		68
16) Acetone	2.373	43	78027	45.521 ug/l		99
18) Methyl Acetate	2.703	43	5011	0.895 ug/l		91
20) Methylene Chloride	2.788	84	10590	3.183 ug/l		93
25) 2-Butanone	4.562	43	8751	3.568 ug/l		100
29) Tetrahydrofuran	5.038	42	1218	0.805 ug/l #		41
36) 1,1-Dichloropropene	5.550	75	20814	4.749 ug/l #		46
37) Ethyl Acetate	4.714	43	68653	14.337 ug/l		98
38) Carbon Tetrachloride	5.544	117	24939	5.719 ug/l #		17
43) Isopropyl Acetate	6.336	43	287684	35.464 ug/l		100
48) Methyl methacrylate	7.793	41	238301	61.080 ug/l #		47
49) 1,4-Dioxane	7.635	88	23	0.281 ug/l #		1
51) 4-Methyl-2-Pentanone	8.549	43	233090	49.532 ug/l #		49
53) t-1,3-Dichloropropene	8.952	75	1860	0.375 ug/l #		43
54) cis-1,3-Dichloropropene	8.549	75	99380	18.509 ug/l #		57
57) 1,3-Dichloropropane	9.482	76	12379	2.211 ug/l #		43
59) 2-Hexanone	9.372	43	272854	75.007 ug/l #		26
74) N-amyl acetate	10.640	43	77278	11.861 ug/l #		53
76) 1,2,3-Trichloropropane	11.079	75	112052	27.728 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	112052	75.012 ug/l #		8

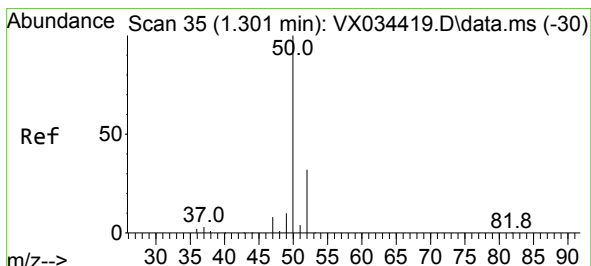
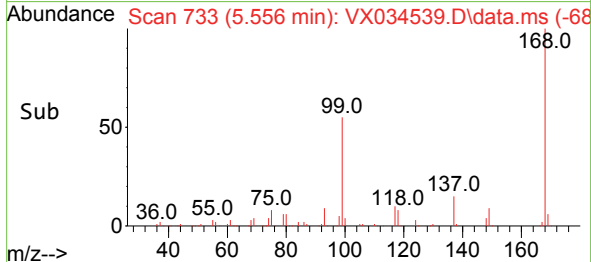
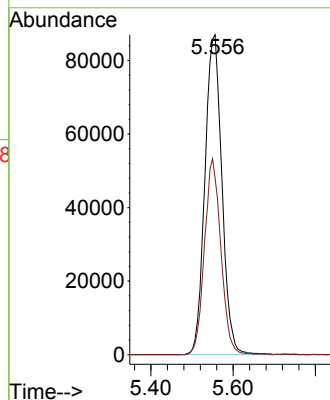
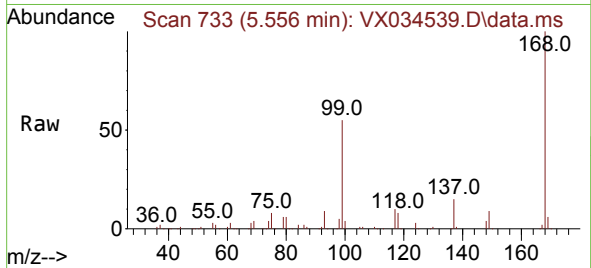
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

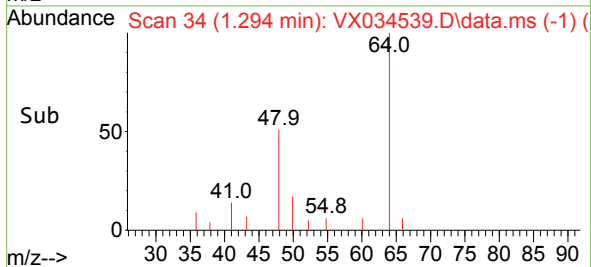
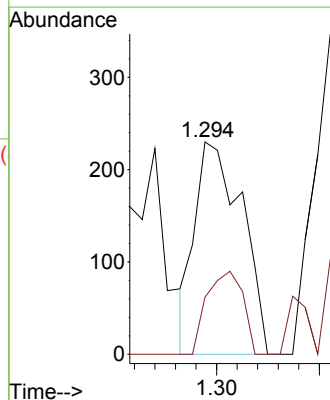
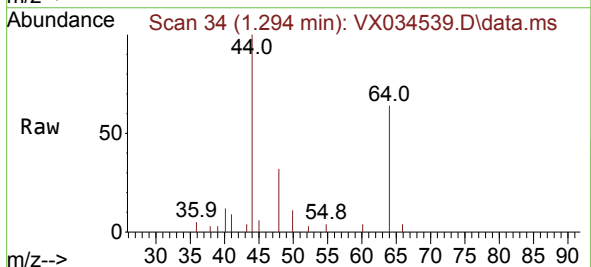
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#01

Tgt Ion:168 Resp: 250130
Ion Ratio Lower Upper
168 100
99 55.3 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

Tgt Ion: 50 Resp: 367
Ion Ratio Lower Upper
50 100
52 27.0 25.9 38.9





#11

Tert butyl alcohol

Concen: 2.733 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.000 min

Lab File: VX034539.D

Acq: 16 Mar 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

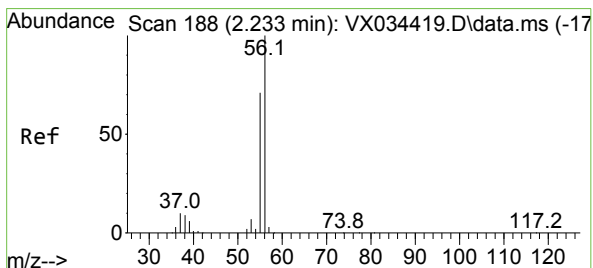
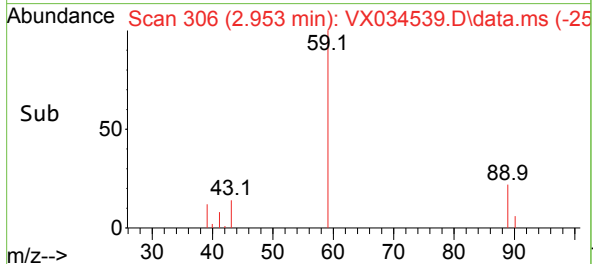
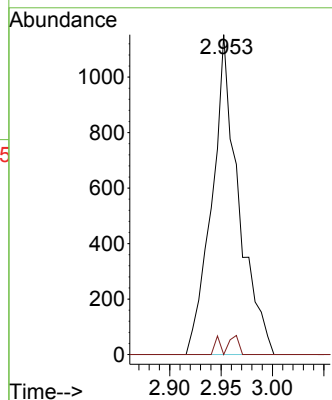
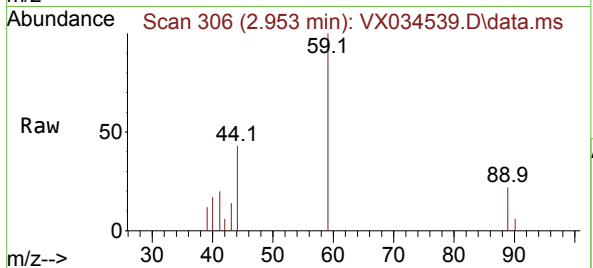
PB151426ZHE#01

Tgt Ion: 59 Resp: 2071

Ion Ratio Lower Upper

59 100

57 1.2 8.1 12.1#



#13

Acrolein

Concen: 0.657 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX034539.D

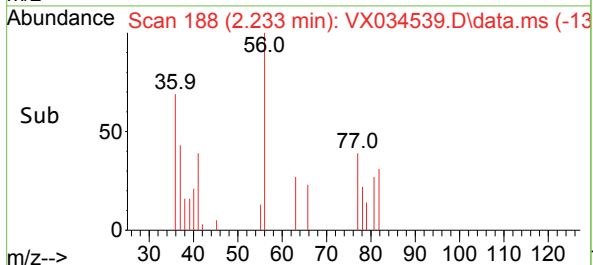
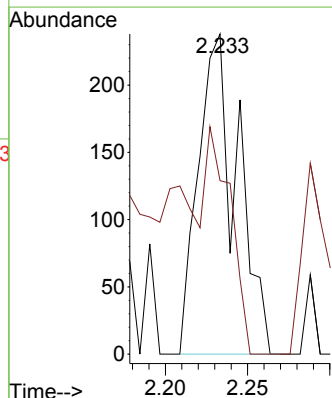
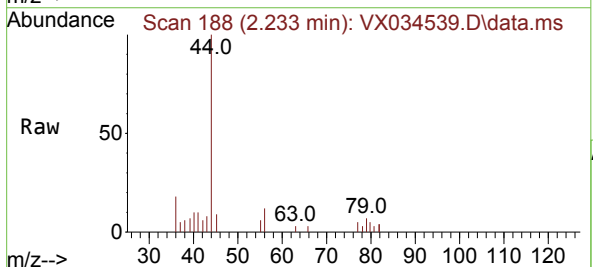
Acq: 16 Mar 2023 12:39

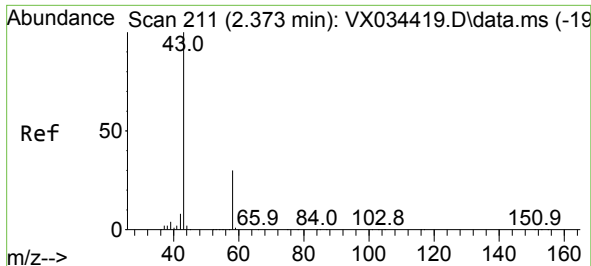
Tgt Ion: 56 Resp: 394

Ion Ratio Lower Upper

56 100

55 44.7 56.6 85.0#

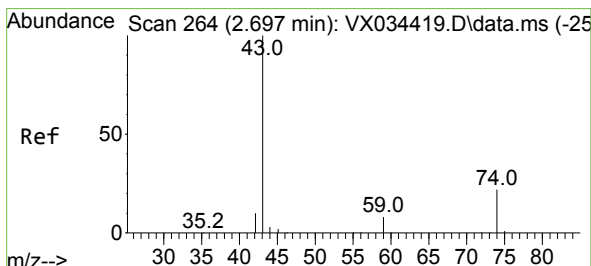
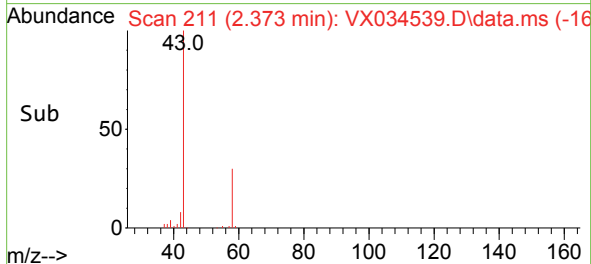
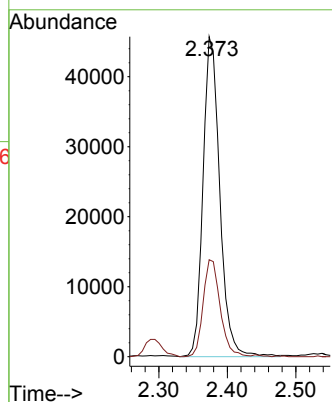
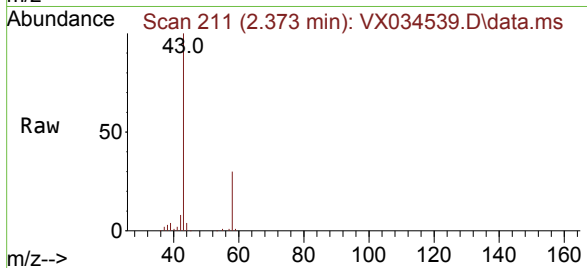




#16
Acetone
Concen: 45.521 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

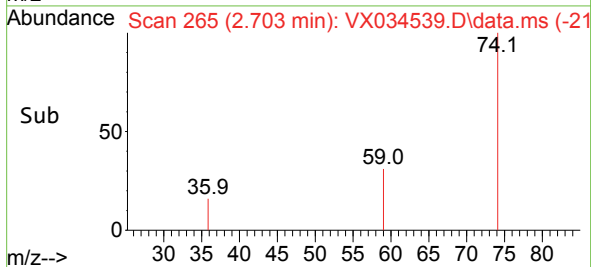
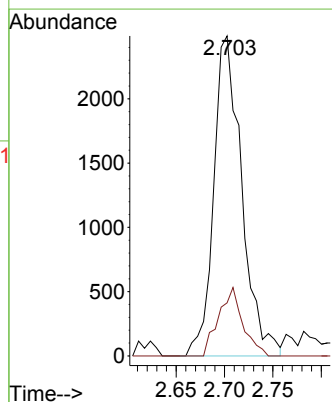
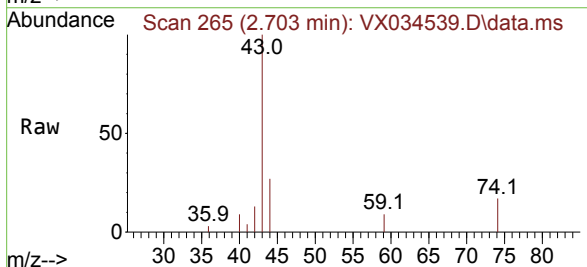
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#01

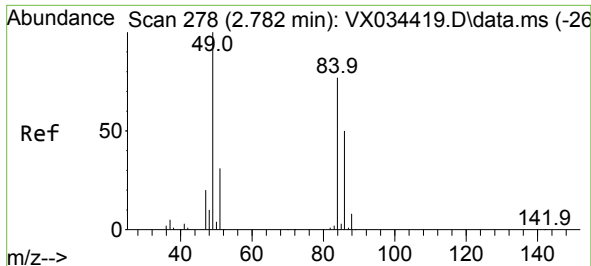
Tgt Ion: 43 Resp: 78027
Ion Ratio Lower Upper
43 100
58 30.3 24.7 37.1



#18
Methyl Acetate
Concen: 0.895 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

Tgt Ion: 43 Resp: 5011
Ion Ratio Lower Upper
43 100
74 18.5 18.3 27.5

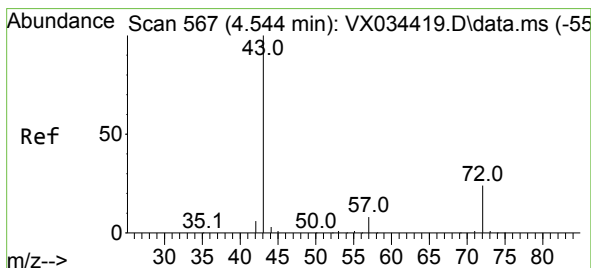
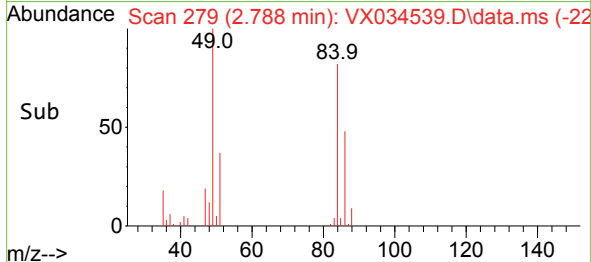
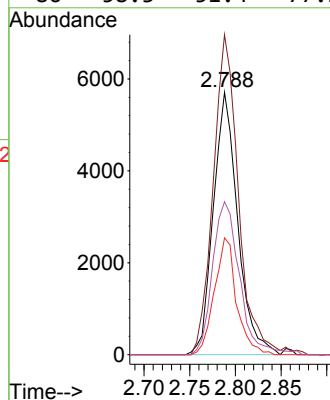
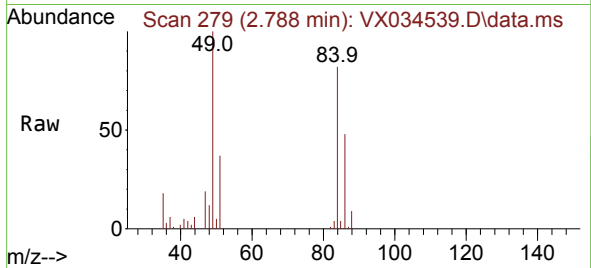




#20
Methylene Chloride
Concen: 3.183 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

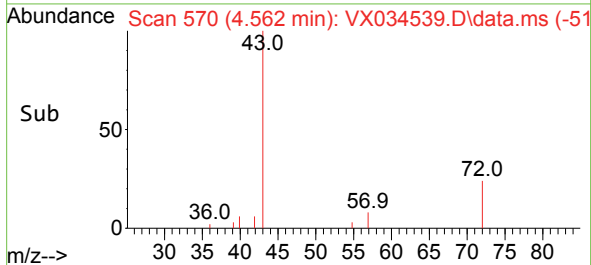
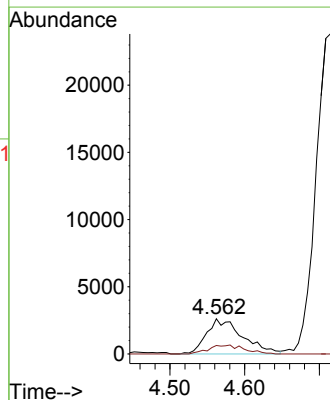
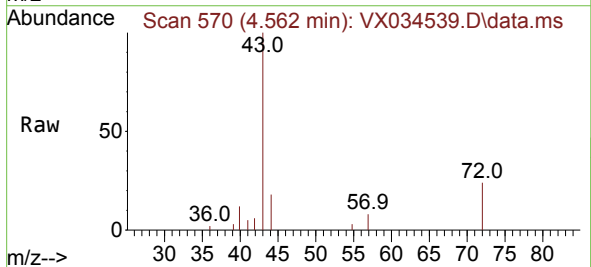
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#01

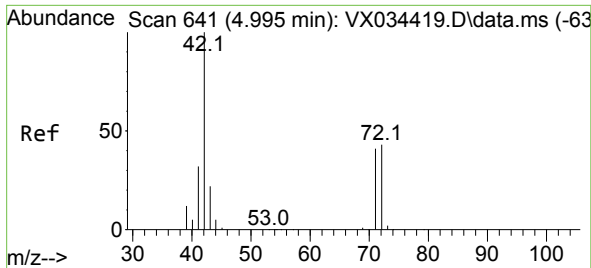
Tgt Ion:	84	Resp:	10590
Ion	Ratio	Lower	Upper
84	100		
49	121.9	103.8	155.8
51	44.5	31.8	47.8
86	58.3	51.4	77.2



#25
2-Butanone
Concen: 3.568 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.018 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

Tgt Ion:	43	Resp:	8751
Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.805 ug/l

RT: 5.038 min Scan# 641

Delta R.T. 0.043 min

Lab File: VX034539.D

Acq: 16 Mar 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#01

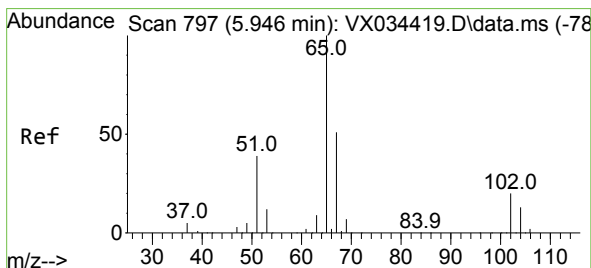
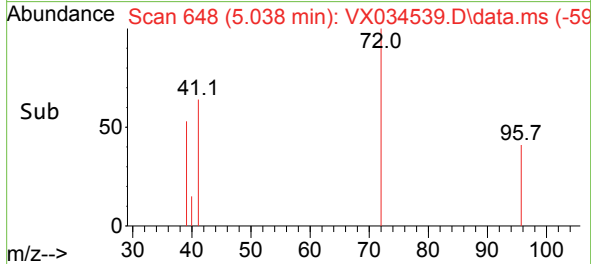
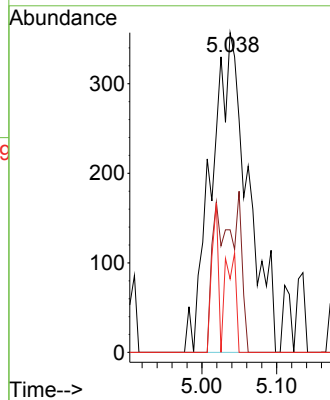
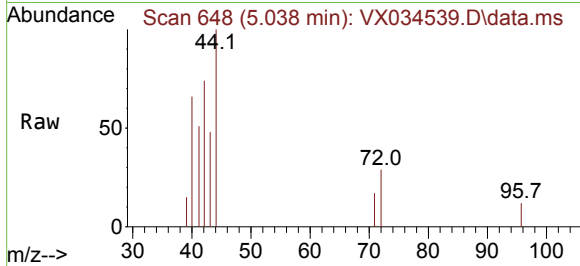
Tgt Ion: 42 Resp: 1218

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 8.9 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 47.924 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034539.D

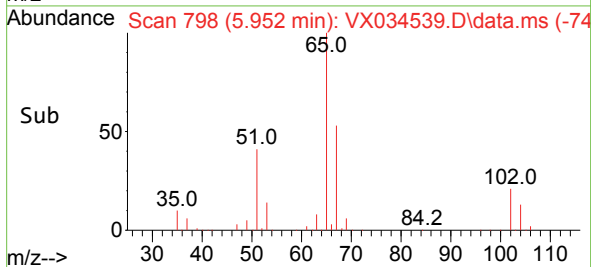
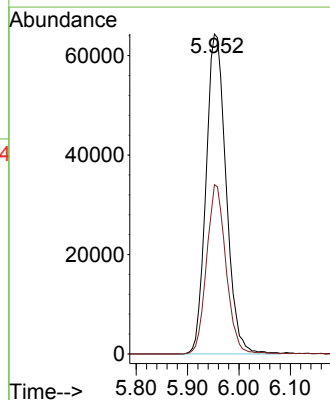
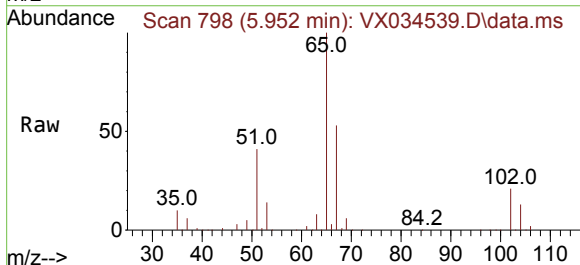
Acq: 16 Mar 2023 12:39

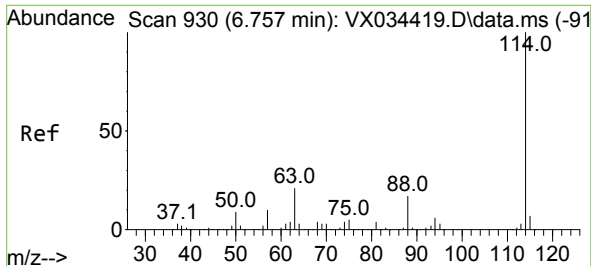
Tgt Ion: 65 Resp: 174391

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0

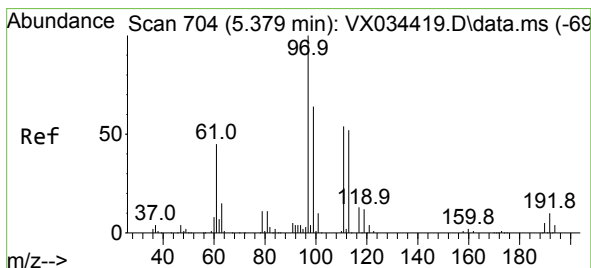
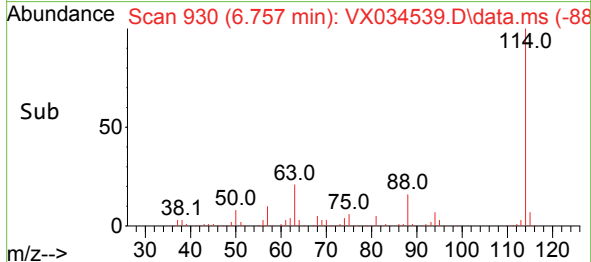
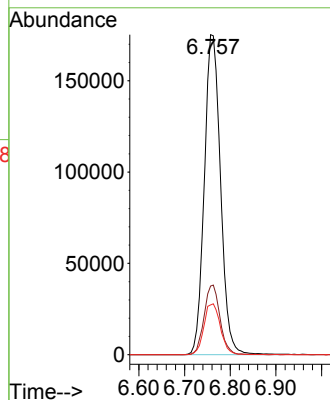
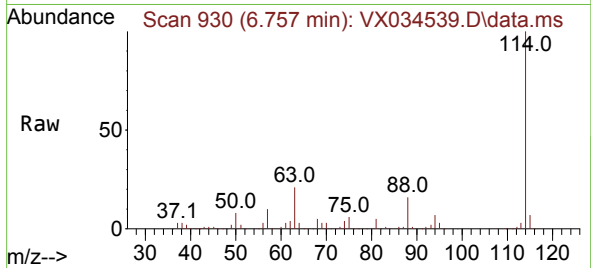




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

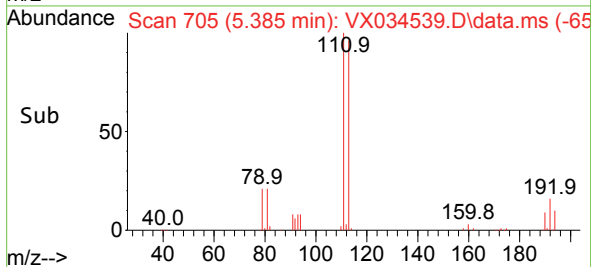
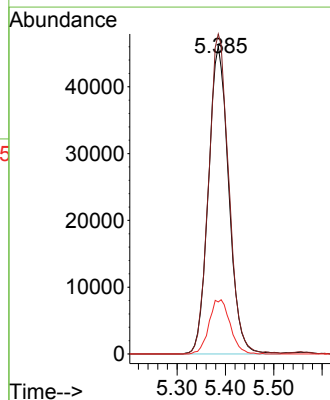
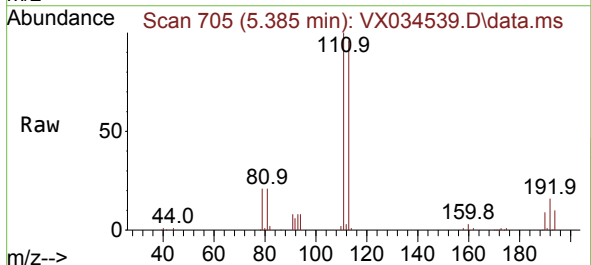
Instrument :
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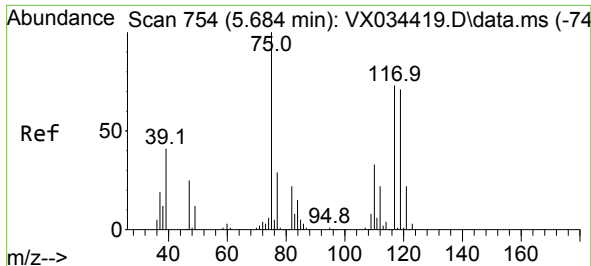
Tgt Ion:114 Resp: 432225
Ion Ratio Lower Upper
114 100
63 21.4 0.0 42.2
88 15.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.080 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

Tgt Ion:113 Resp: 134355
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 18.3 15.4 23.2

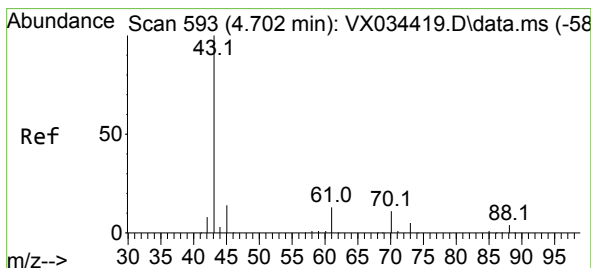
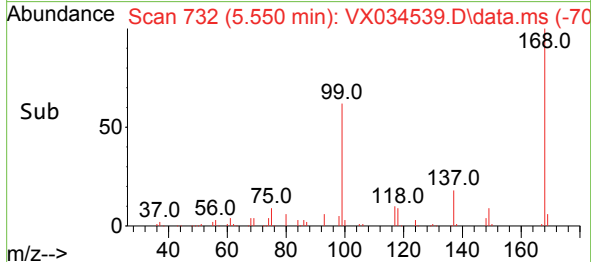
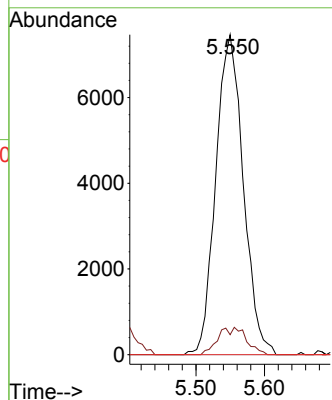
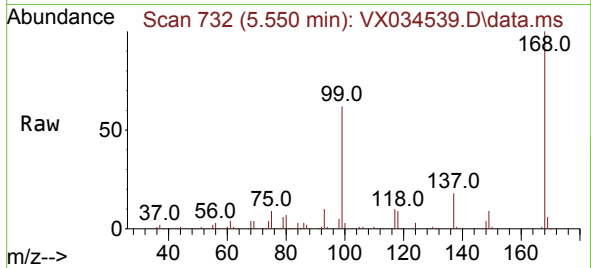




#36
1,1-Dichloropropene
Concen: 4.749 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

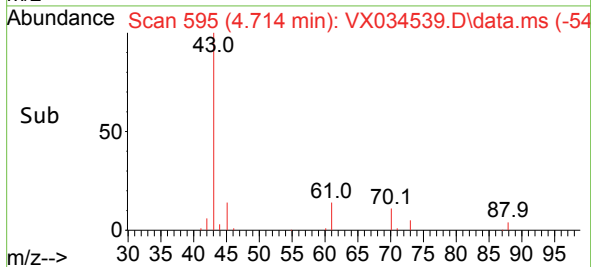
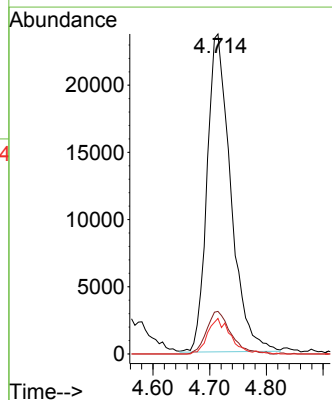
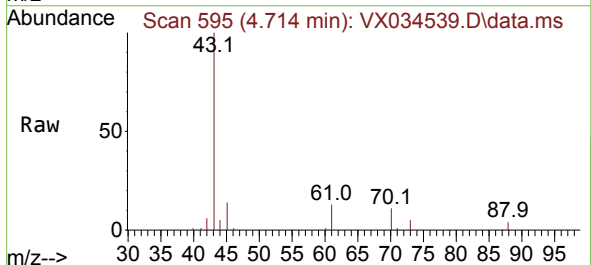
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#01

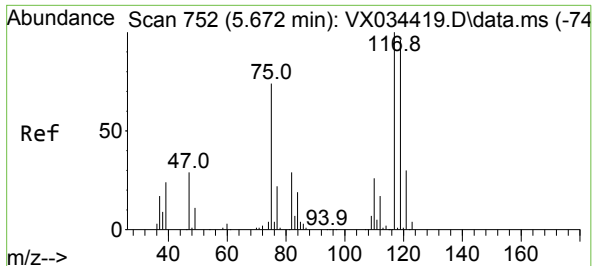
Tgt Ion: 75 Resp: 20814
Ion Ratio Lower Upper
75 100
110 4.3 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 14.337 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

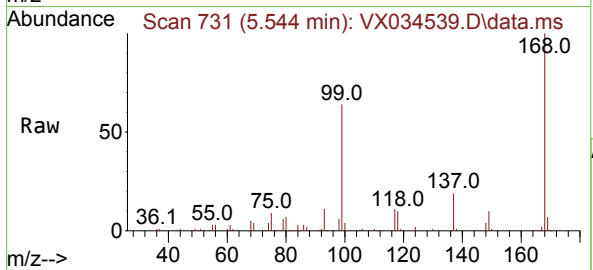
Tgt Ion: 43 Resp: 68653
Ion Ratio Lower Upper
43 100
61 13.8 10.2 15.4
70 10.6 8.2 12.4



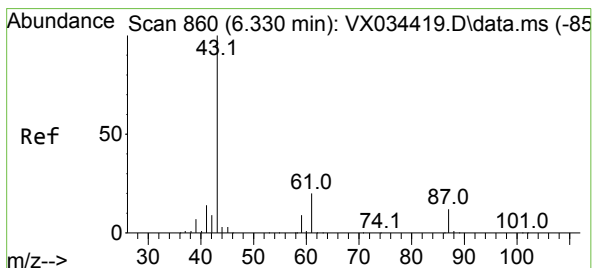
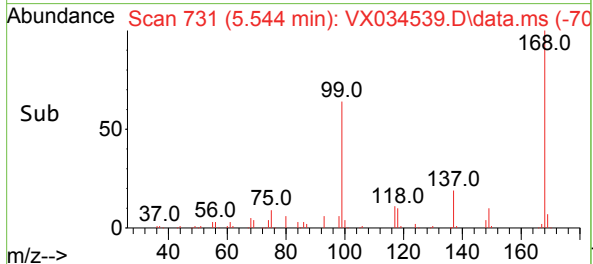
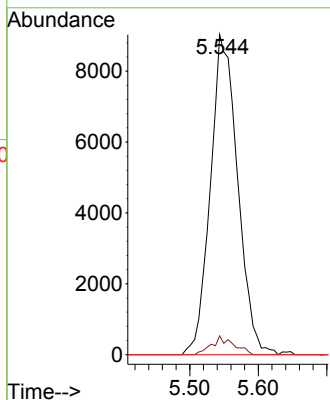


#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#01

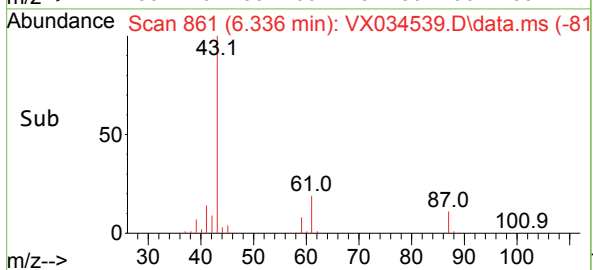
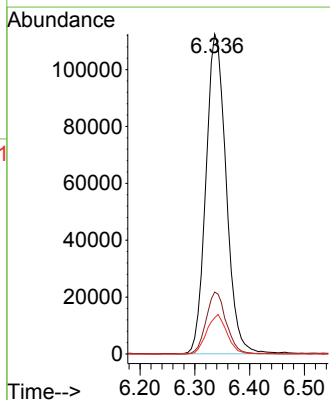
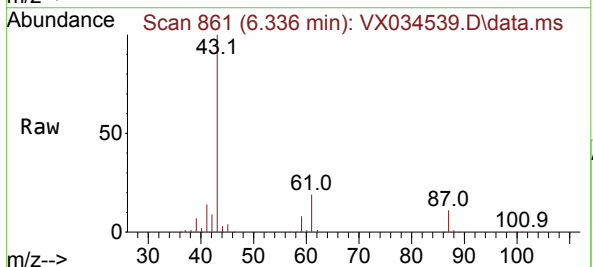


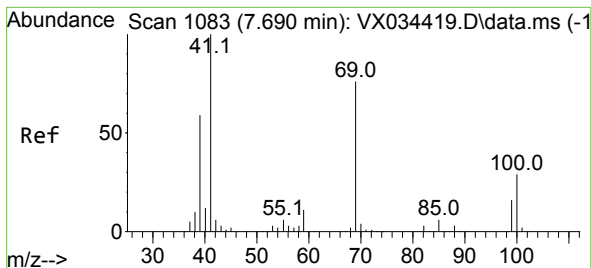
Tgt Ion:117 Resp: 24939
Ion Ratio Lower Upper
117 100
119 5.9 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 35.464 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

Tgt Ion: 43 Resp: 287684
Ion Ratio Lower Upper
43 100
61 19.3 15.2 22.8
87 12.2 9.8 14.8





#48

Methyl methacrylate

Concen: 61.080 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX034539.D

Acq: 16 Mar 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#01

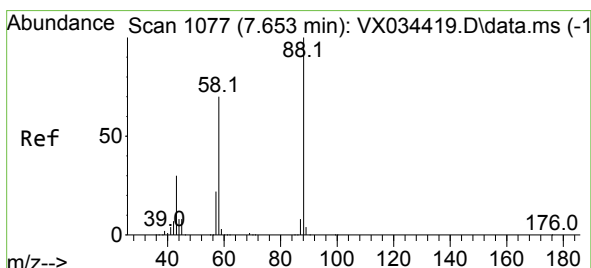
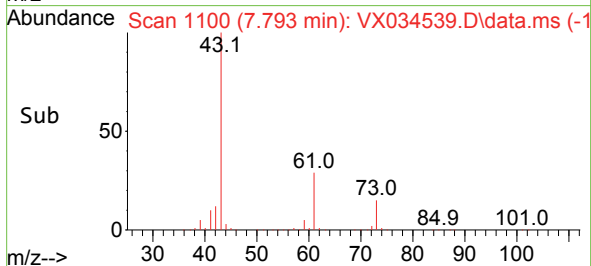
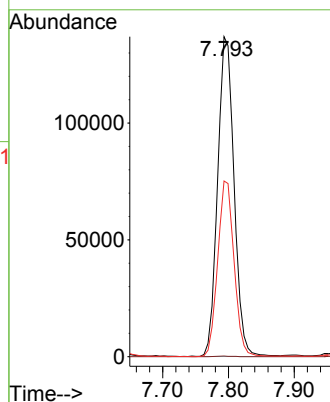
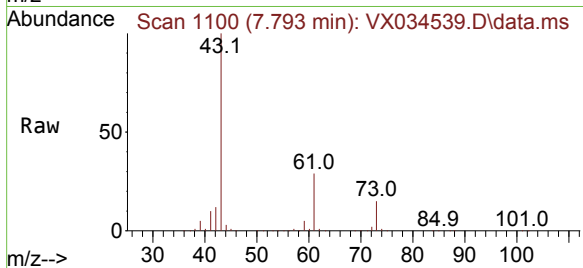
Tgt Ion: 41 Resp: 238301

Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.4#

39 54.9 47.7 71.5



#49

1,4-Dioxane

Concen: 0.281 ug/l

RT: 7.635 min Scan# 1074

Delta R.T. -0.018 min

Lab File: VX034539.D

Acq: 16 Mar 2023 12:39

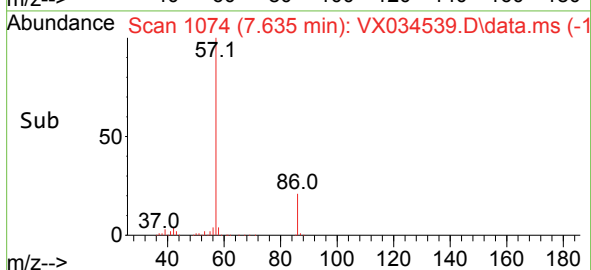
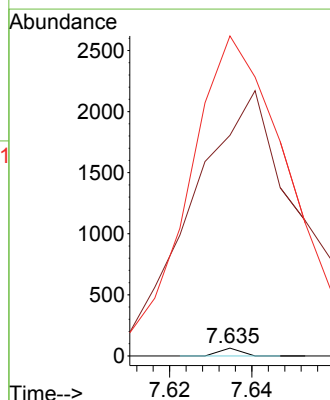
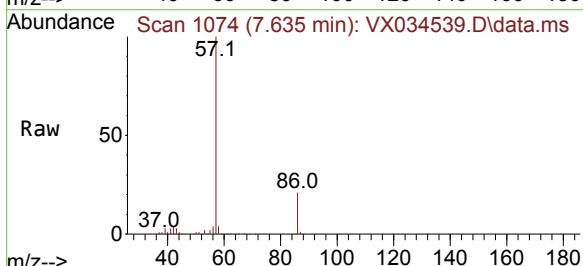
Tgt Ion: 88 Resp: 23

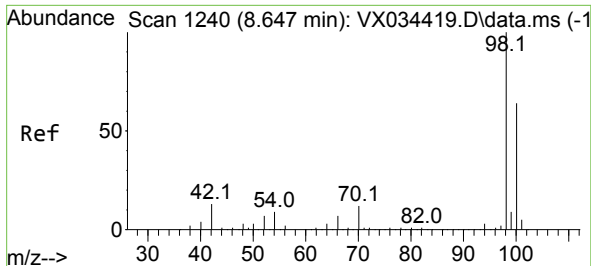
Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 19804.3 56.8 85.2#

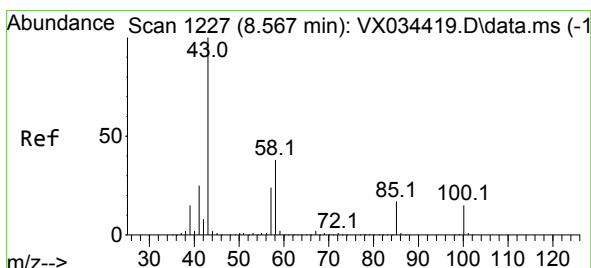
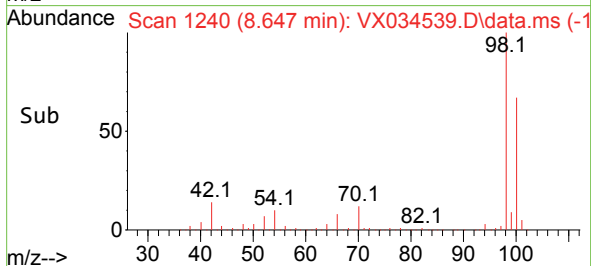
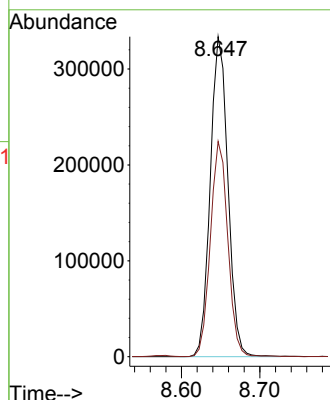
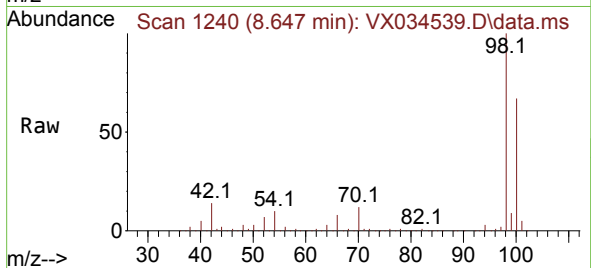




#50
Toluene-d8
Concen: 48.973 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

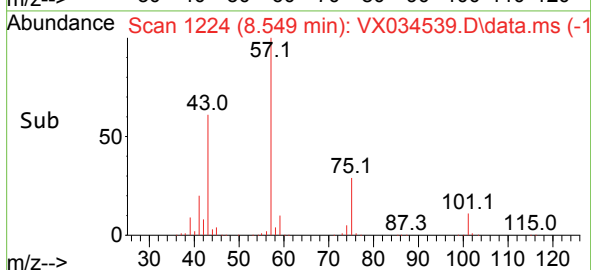
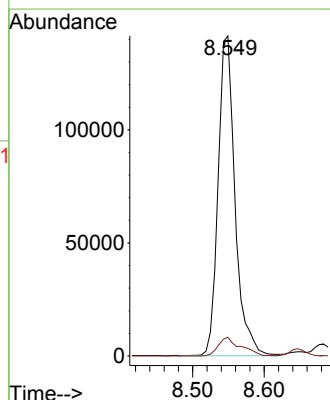
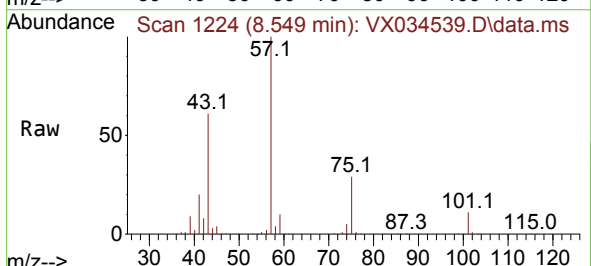
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#01

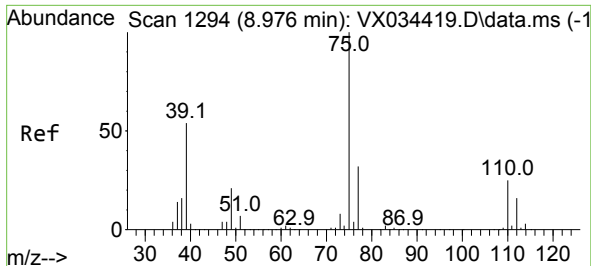
Tgt Ion: 98 Resp: 521723
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 49.532 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

Tgt Ion: 43 Resp: 233090
Ion Ratio Lower Upper
43 100
58 7.7 30.6 46.0#

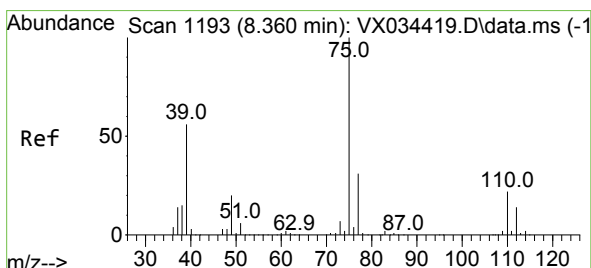
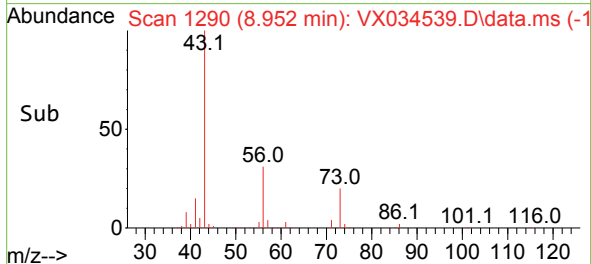
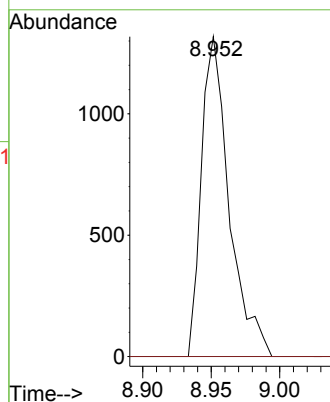
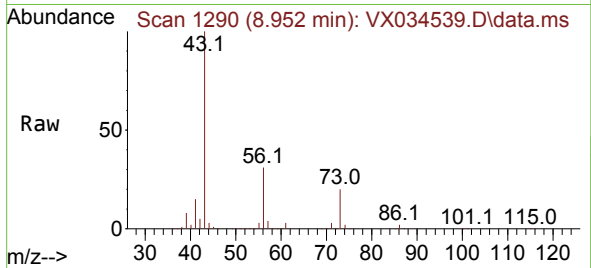




#53
 t-1,3-Dichloropropene
 Concen: 0.375 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034539.D
 Acq: 16 Mar 2023 12:39

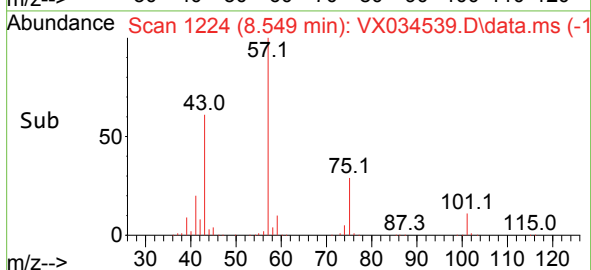
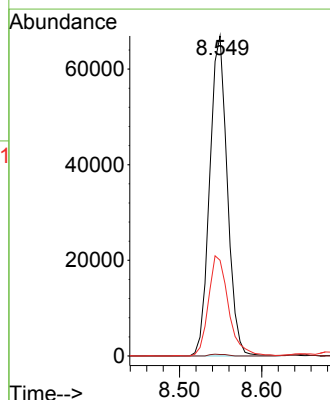
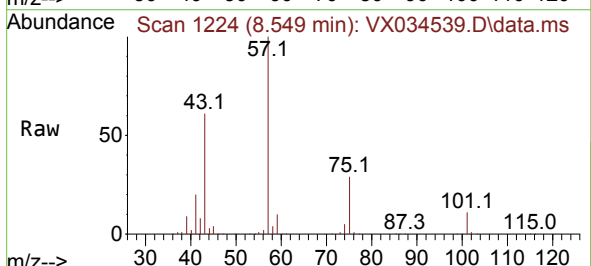
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#01

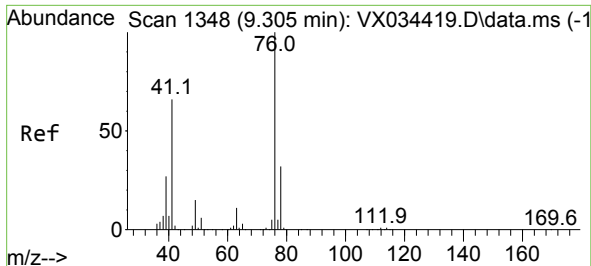
Tgt Ion: 75 Resp: 1860
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 18.509 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034539.D
 Acq: 16 Mar 2023 12:39

Tgt Ion: 75 Resp: 99380
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 29.8 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 2.211 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX034539.D

Acq: 16 Mar 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

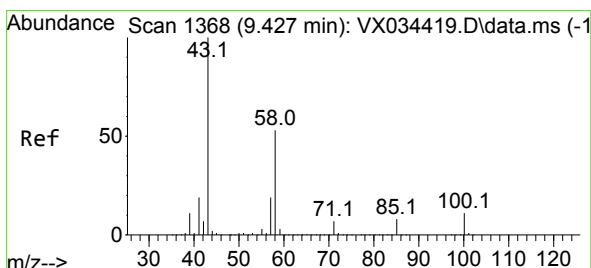
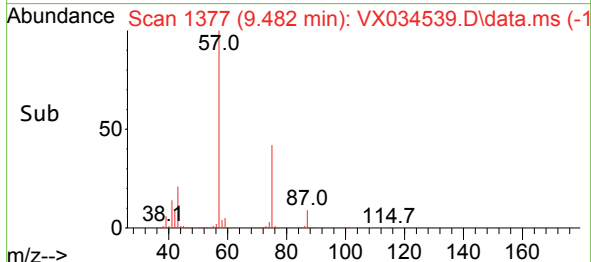
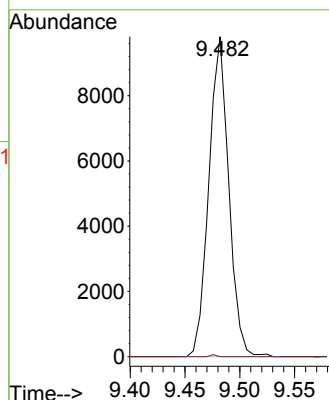
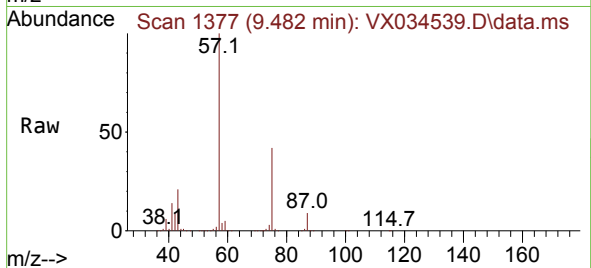
PB151426ZHE#01

Tgt Ion: 76 Resp: 12379

Ion Ratio Lower Upper

76 100

78 0.2 25.8 38.8#



#59

2-Hexanone

Concen: 75.007 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX034539.D

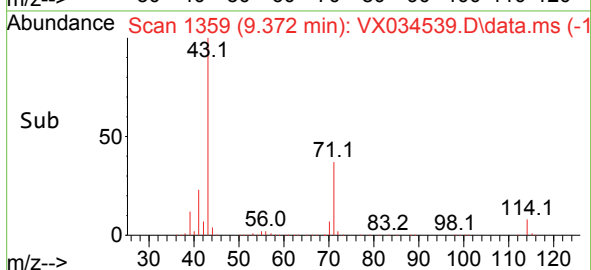
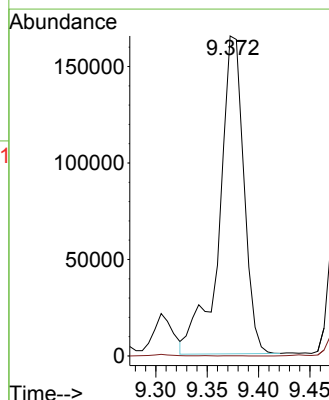
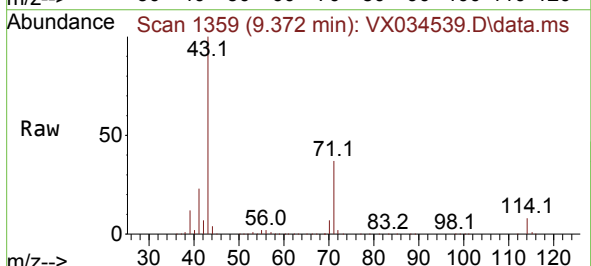
Acq: 16 Mar 2023 12:39

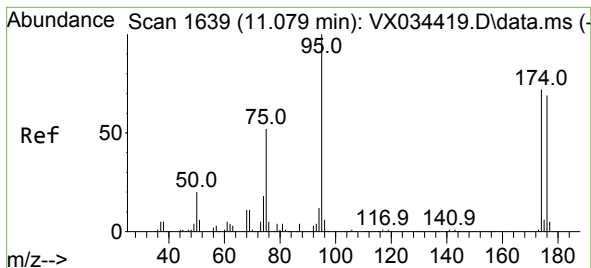
Tgt Ion: 43 Resp: 272854

Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.9#

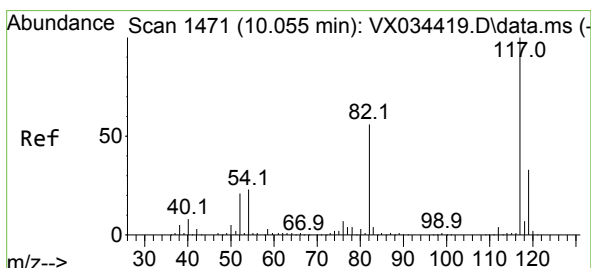
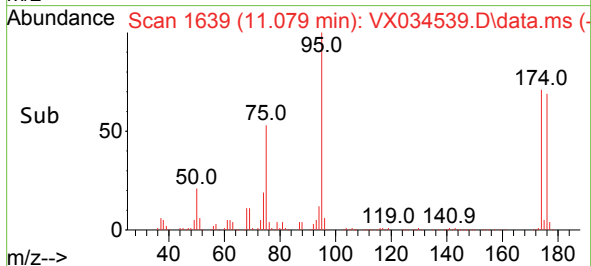
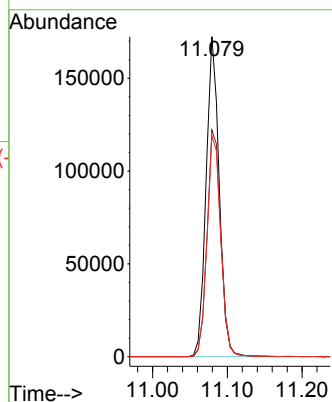
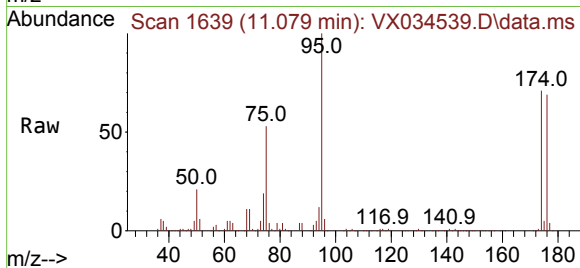




#62
4-Bromofluorobenzene
Concen: 48.808 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

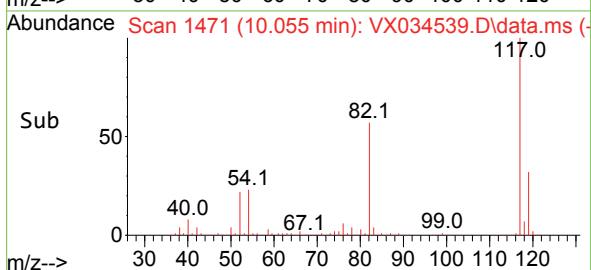
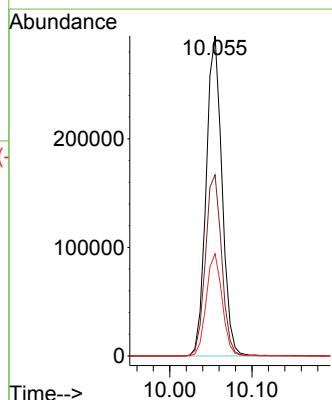
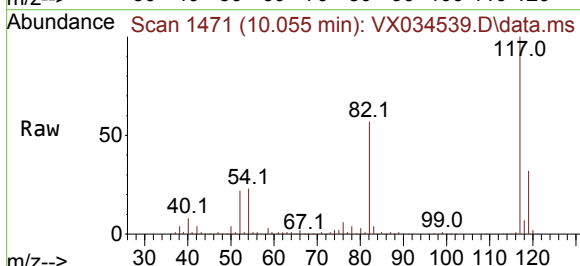
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#01

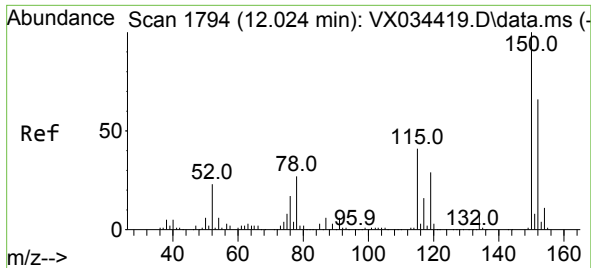
Tgt Ion: 95 Resp: 210026
Ion Ratio Lower Upper
95 100
174 74.2 0.0 147.4
176 72.3 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

Tgt Ion: 117 Resp: 393792
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 31.9 26.0 39.0

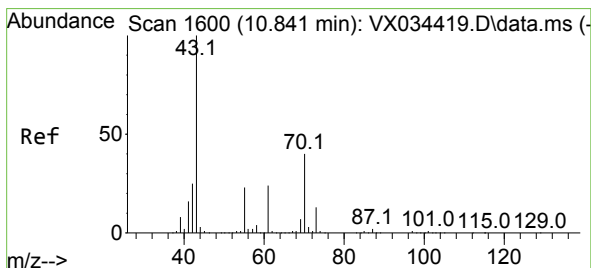
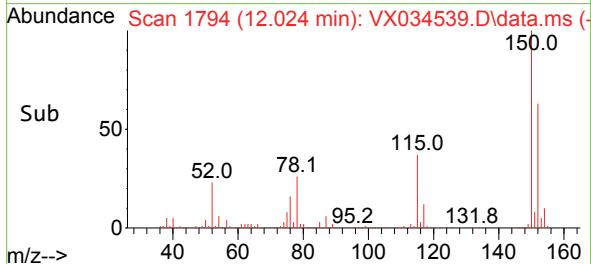
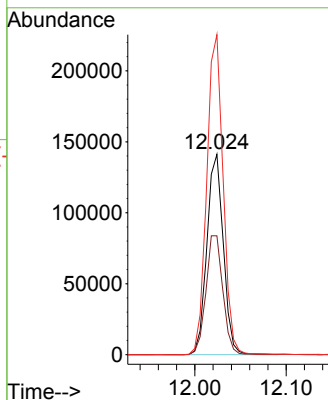
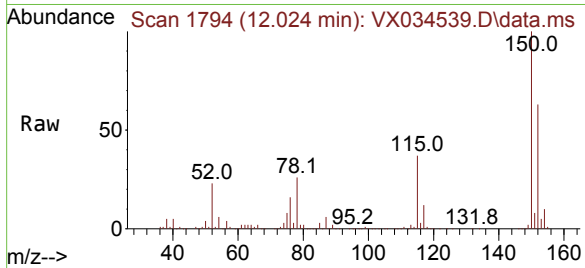




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

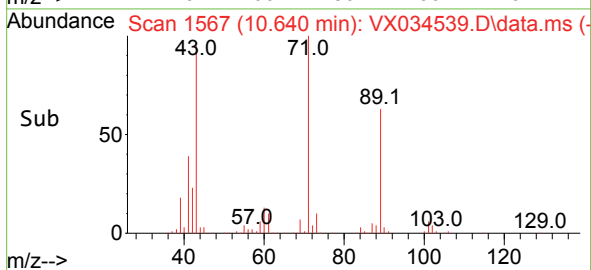
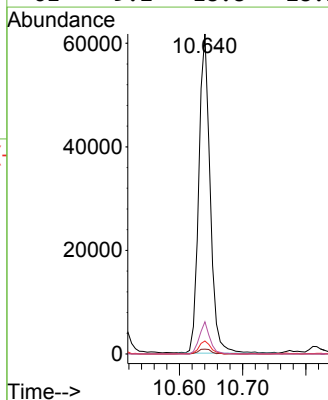
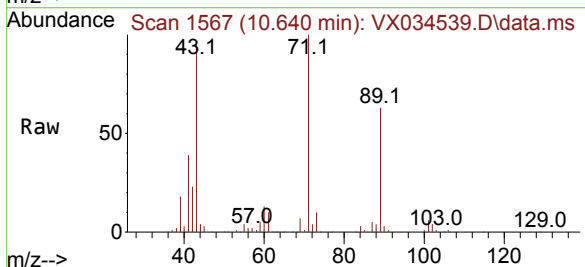
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#01

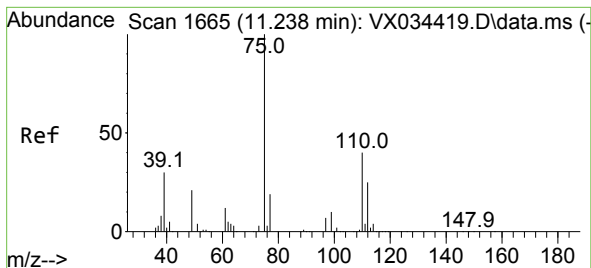
Tgt Ion:152 Resp: 175999
Ion Ratio Lower Upper
152 100
115 61.5 45.0 135.0
150 159.2 0.0 352.4



#74
N-ethyl acetate
Concen: 11.861 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034539.D
Acq: 16 Mar 2023 12:39

Tgt Ion: 43 Resp: 77278
Ion Ratio Lower Upper
43 100
70 1.7 32.1 48.1#
55 4.3 18.3 27.5#
61 9.2 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 27.728 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034539.D

Acq: 16 Mar 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

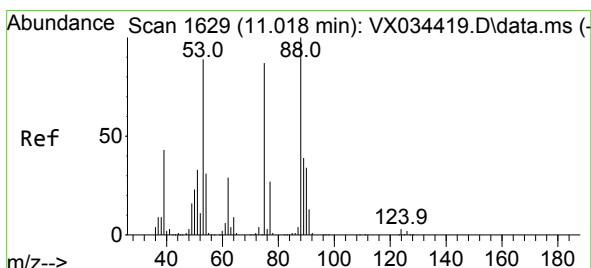
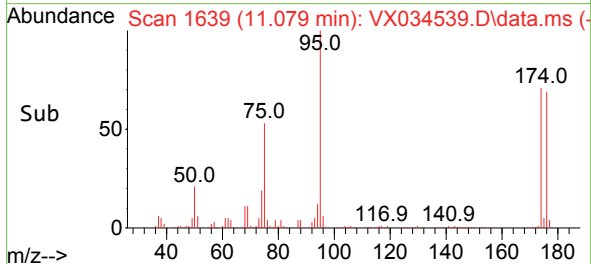
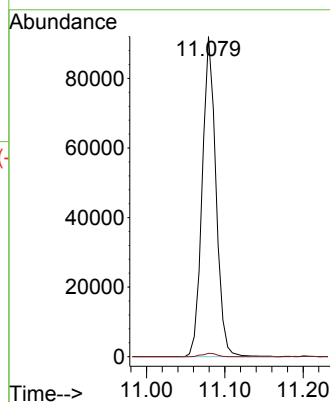
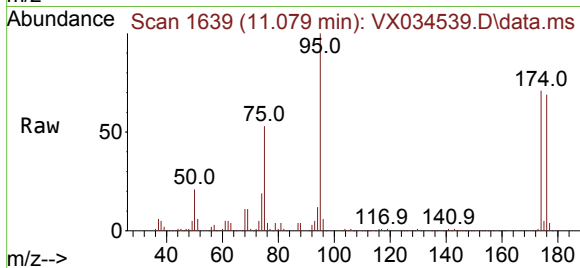
PB151426ZHE#01

Tgt Ion: 75 Resp: 112052

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.012 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034539.D

Acq: 16 Mar 2023 12:39

Tgt Ion: 75 Resp: 112052

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

