

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034582.D
 Acq On : 17 Mar 2023 14:22
 Operator : JC/MD
 Sample : PB151466ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#03

Quant Time: Mar 20 00:01:08 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	245978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	422312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	424769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171146	47.826	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.660%
35) Dibromofluoromethane	5.385	113	133352	47.825	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.660%
50) Toluene-d8	8.647	98	562154	54.007	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	108.020%
62) 4-Bromofluorobenzene	11.079	95	203711	48.452	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.900%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	720	Below Cal	#	85
11) Tert butyl alcohol	2.953	59	2010	2.697	ug/l #	86
13) Acrolein	2.233	56	251	0.426	ug/l #	75
16) Acetone	2.380	43	82885	49.171	ug/l	97
18) Methyl Acetate	2.703	43	5025	0.912	ug/l	91
20) Methylene Chloride	2.794	84	12168	3.719	ug/l	96
25) 2-Butanone	4.568	43	8096	3.357	ug/l #	83
29) Tetrahydrofuran	5.032	42	1248	0.839	ug/l #	55
31) Cyclohexane	5.544	56	6346	1.264	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	20330	4.747	ug/l #	51
37) Ethyl Acetate	4.721	43	72792	15.558	ug/l	100
38) Carbon Tetrachloride	5.550	117	25158	5.905	ug/l #	17
43) Isopropyl Acetate	6.342	43	291875	36.825	ug/l	100
48) Methyl methacrylate	7.799	41	278939	73.174	ug/l #	47
49) 1,4-Dioxane	7.635	88	22	0.275	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	271064	58.953	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	2105	0.434	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	111073	21.172	ug/l #	60
56) Ethyl methacrylate	9.244	69	1935	0.383	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	13796	2.522	ug/l #	42
59) 2-Hexanone	9.482	43	208763	58.736	ug/l #	50
74) N-amyl acetate	10.640	43	84053	14.514	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	110399	30.734	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	110399	83.145	ug/l #	8

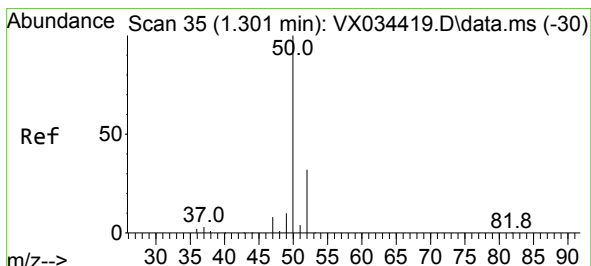
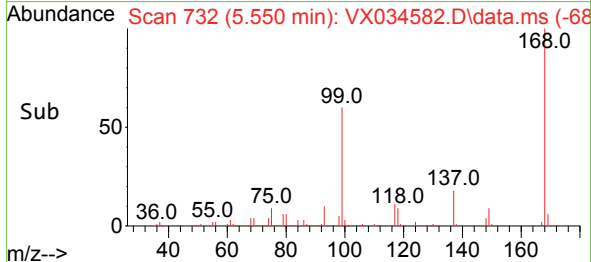
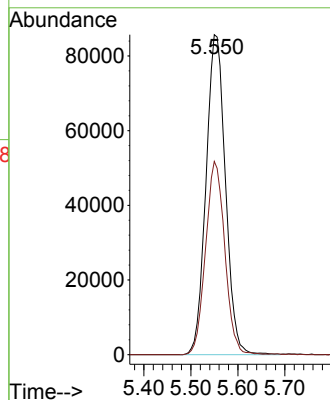
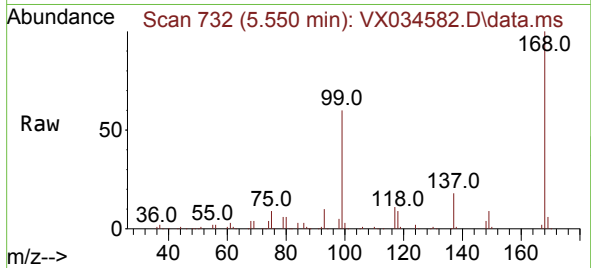
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

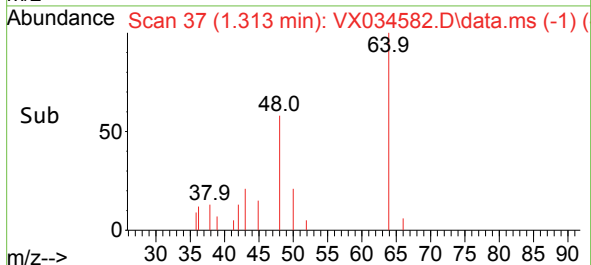
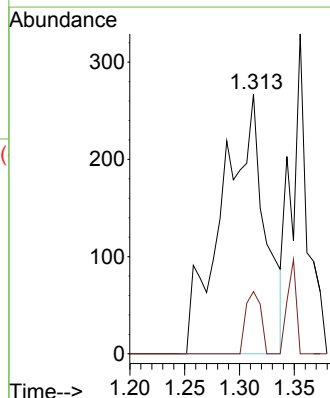
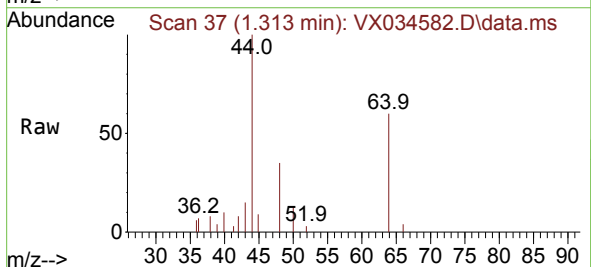
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#03

Tgt Ion:168 Resp: 245978
Ion Ratio Lower Upper
168 100
99 60.4 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

Tgt Ion: 50 Resp: 720
Ion Ratio Lower Upper
50 100
52 24.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 2.697 ug/l

RT: 2.953 min Scan# 306

Delta R.T. 0.000 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :

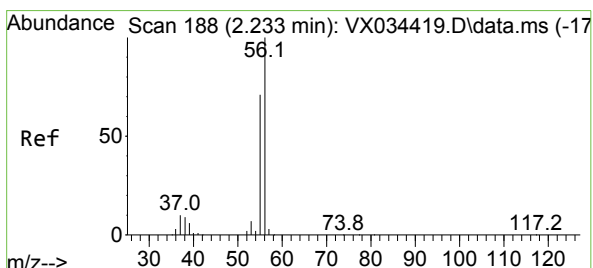
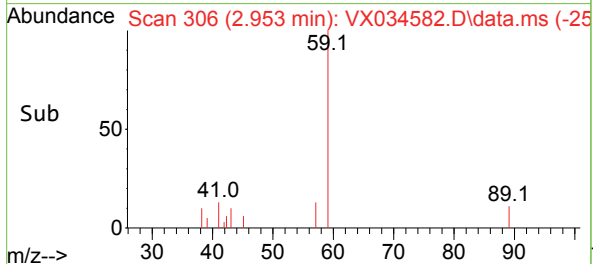
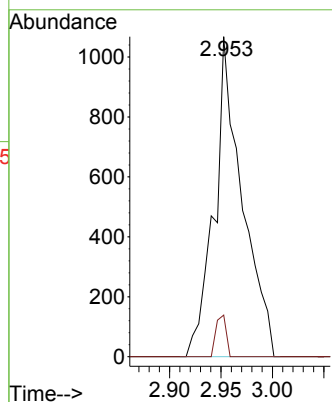
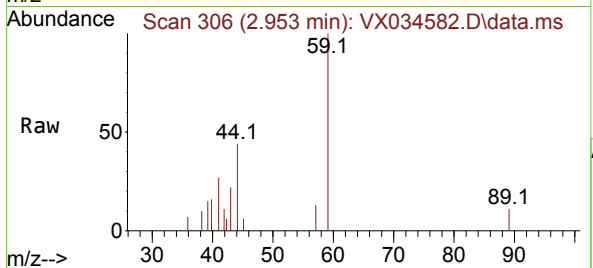
PB151466ZHE#03

Tgt Ion: 59 Resp: 2010

Ion Ratio Lower Upper

59 100

57 4.7 8.1 12.1#



#13

Acrolein

Concen: 0.426 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX034582.D

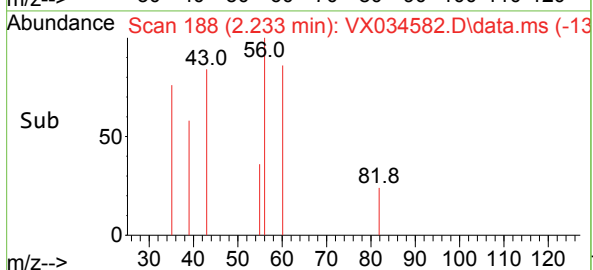
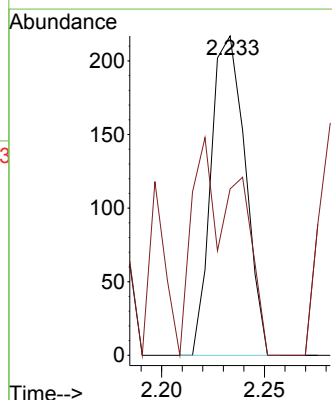
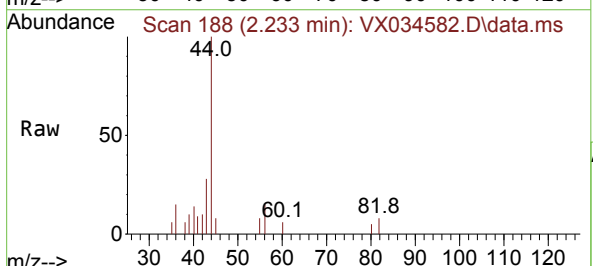
Acq: 17 Mar 2023 14:22

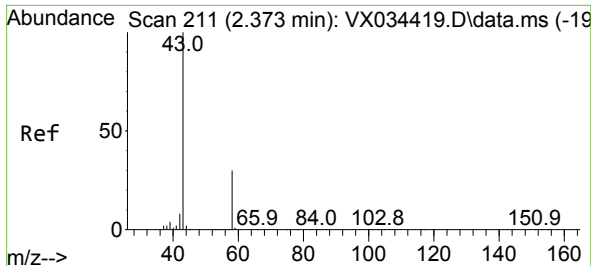
Tgt Ion: 56 Resp: 251

Ion Ratio Lower Upper

56 100

55 91.2 56.6 85.0#

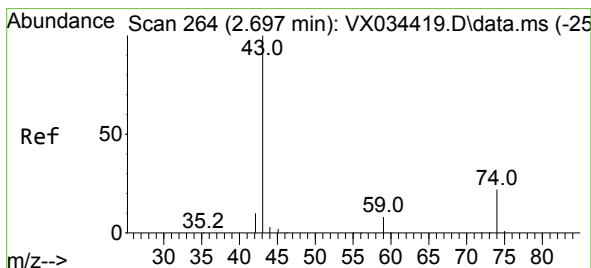
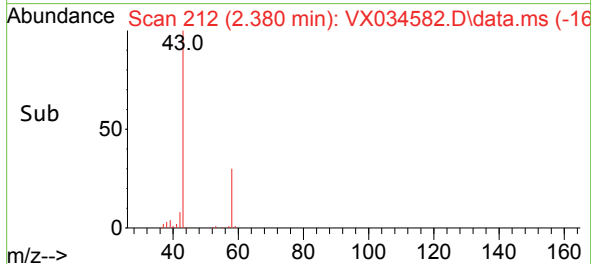
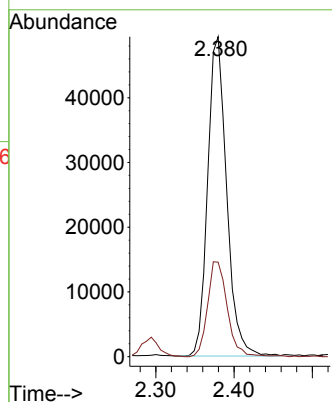
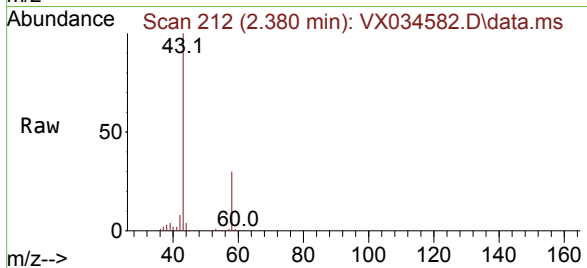




#16
Acetone
Concen: 49.171 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

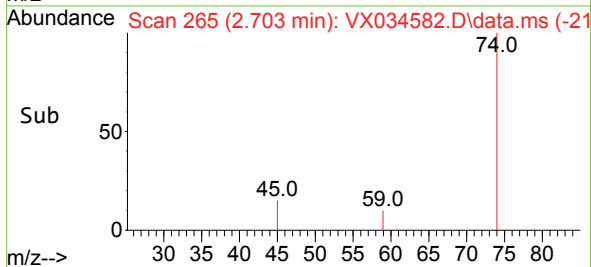
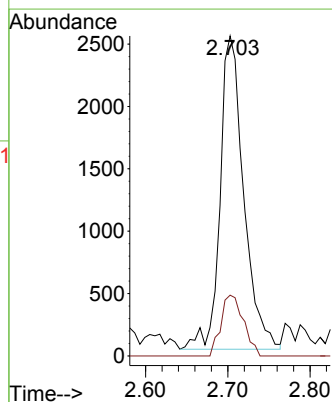
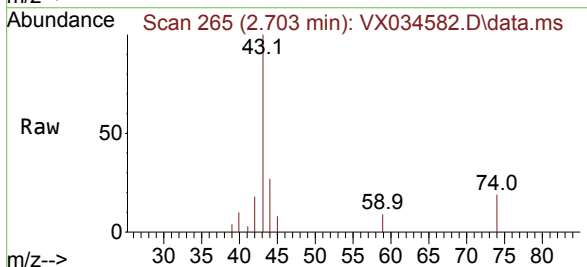
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#03

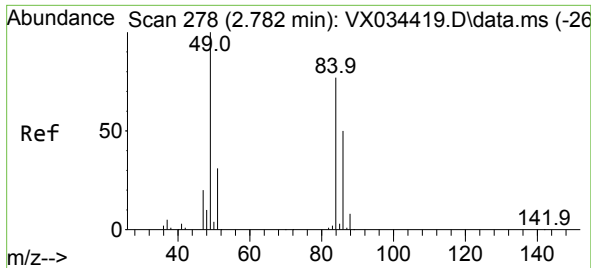
Tgt Ion: 43 Resp: 82885
Ion Ratio Lower Upper
43 100
58 29.4 24.7 37.1



#18
Methyl Acetate
Concen: 0.912 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

Tgt Ion: 43 Resp: 5025
Ion Ratio Lower Upper
43 100
74 18.5 18.3 27.5

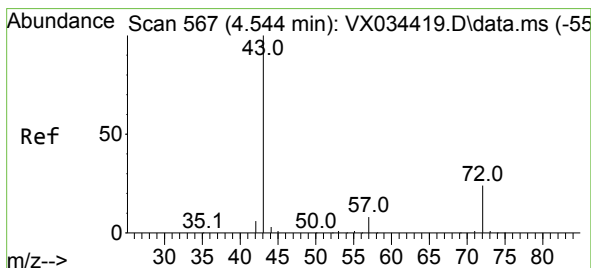
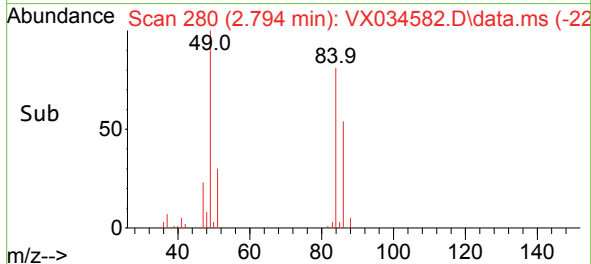
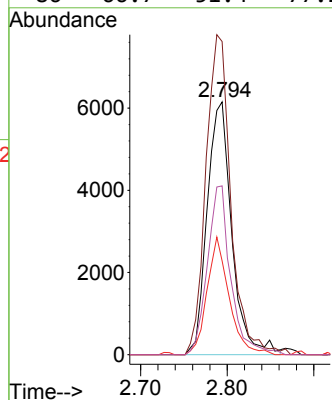
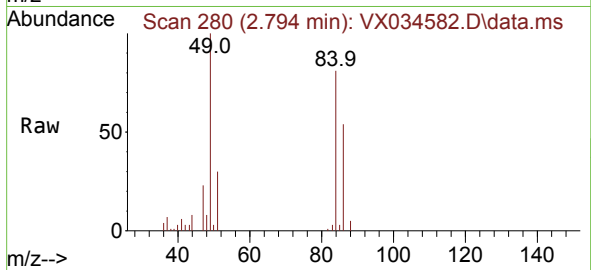




#20
Methylene Chloride
Concen: 3.719 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

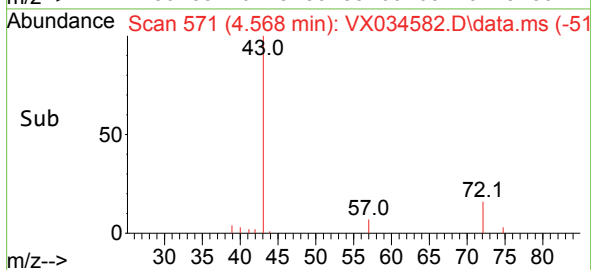
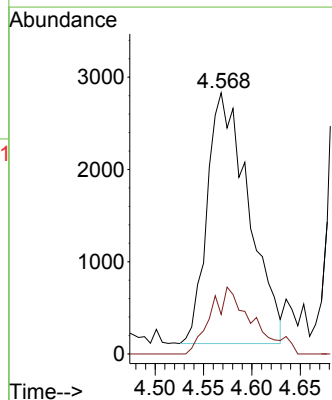
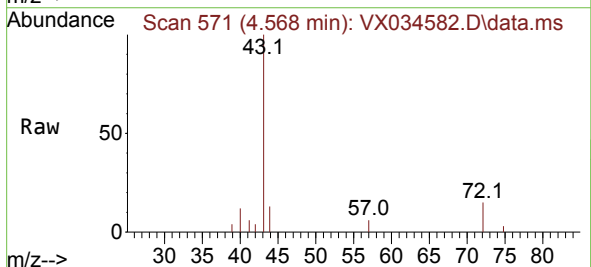
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#03

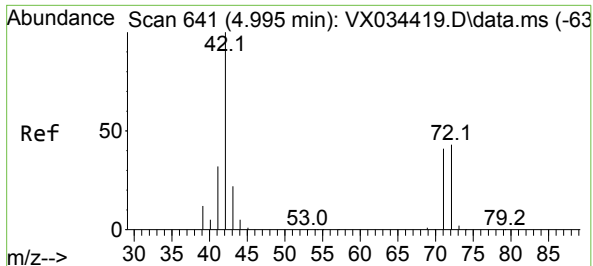
Tgt Ion:	84	Resp:	12168
Ion	Ratio	Lower	Upper
84	100		
49	123.9	103.8	155.8
51	37.1	31.8	47.8
86	66.7	51.4	77.2



#25
2-Butanone
Concen: 3.357 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

Tgt Ion:	43	Resp:	8096
Ion	Ratio	Lower	Upper
43	100		
72	15.7	19.3	28.9#





#29

Tetrahydrofuran

Concen: 0.839 ug/l

RT: 5.032 min Scan# 641

Delta R.T. 0.037 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#03

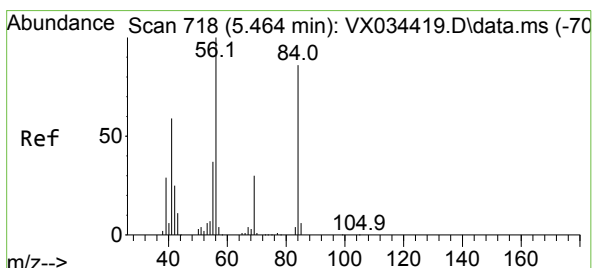
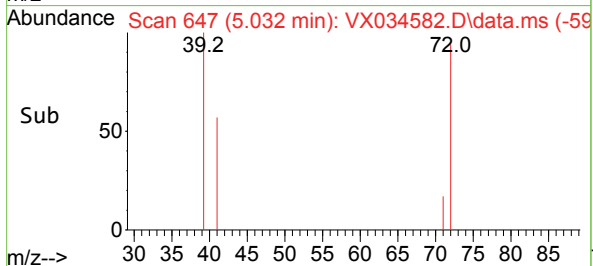
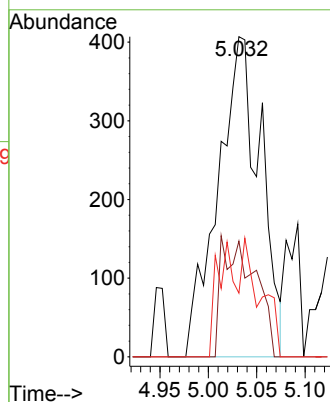
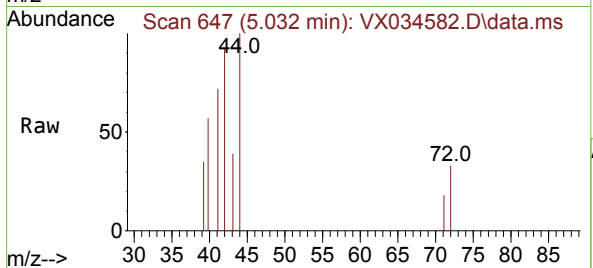
Tgt Ion: 42 Resp: 1248

Ion Ratio Lower Upper

42 100

72 11.2 34.5 51.7#

71 15.8 32.1 48.1#



#31

Cyclohexane

Concen: 1.264 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

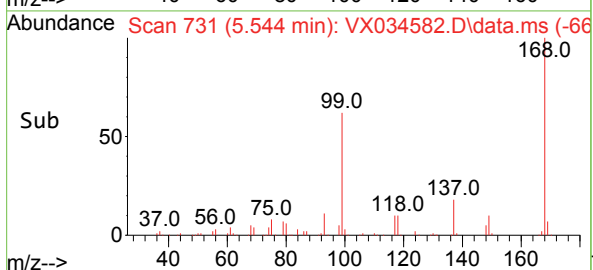
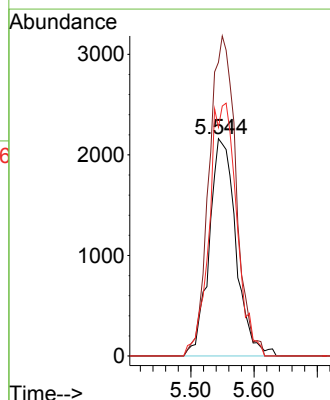
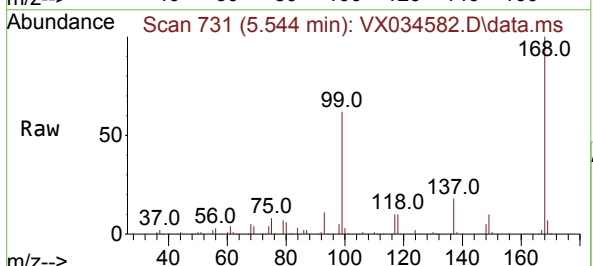
Tgt Ion: 56 Resp: 6346

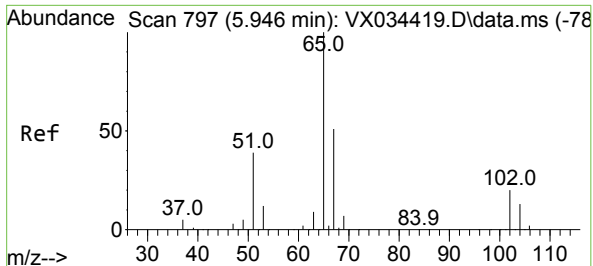
Ion Ratio Lower Upper

56 100

69 135.1 23.7 35.5#

84 105.2 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.826 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :

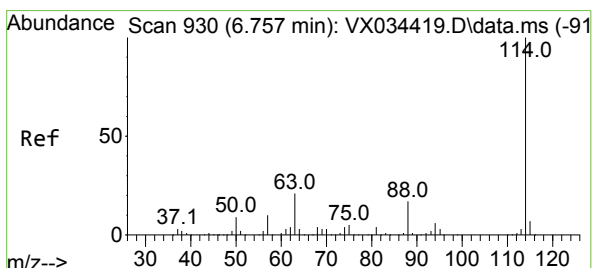
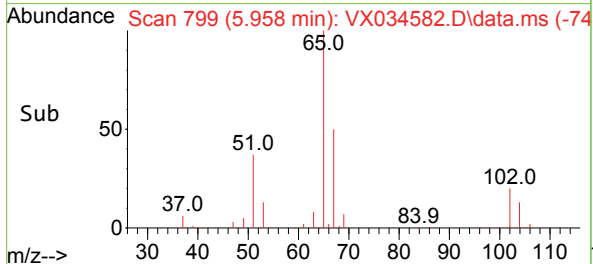
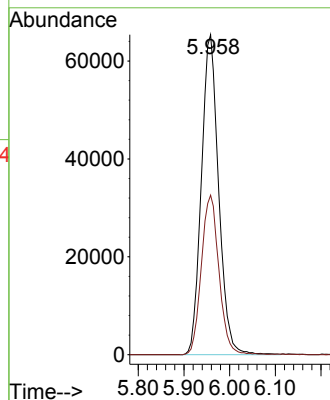
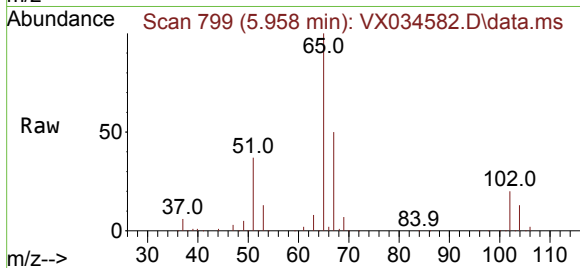
PB151466ZHE#03

Tgt Ion: 65 Resp: 171146

Ion Ratio Lower Upper

65 100

67 50.8 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: VX034582.D

Acq: 17 Mar 2023 14:22

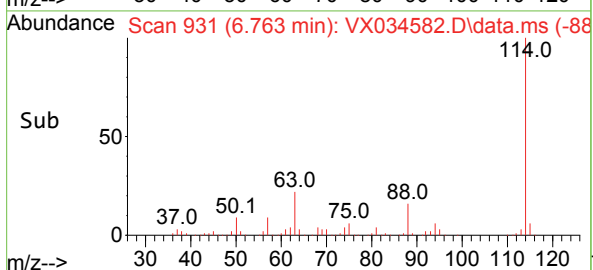
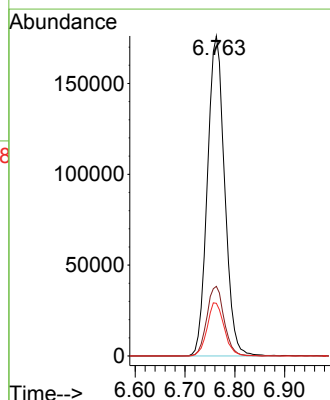
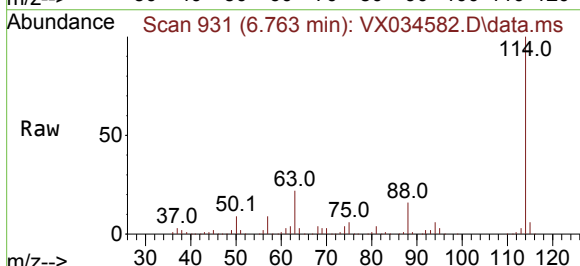
Tgt Ion: 114 Resp: 422312

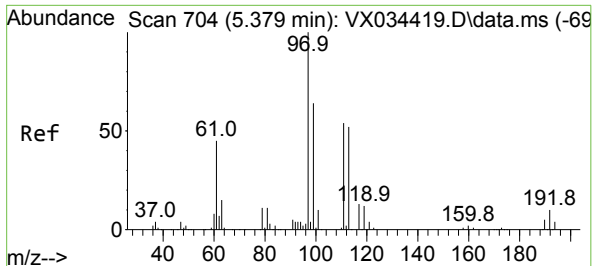
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.2

88 16.5 0.0 33.2

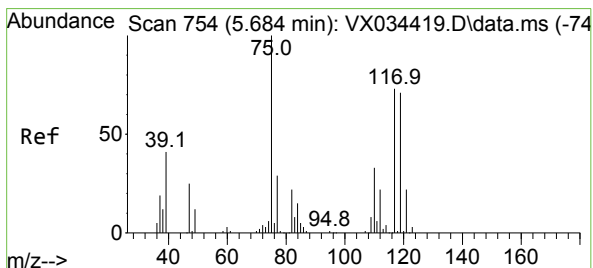
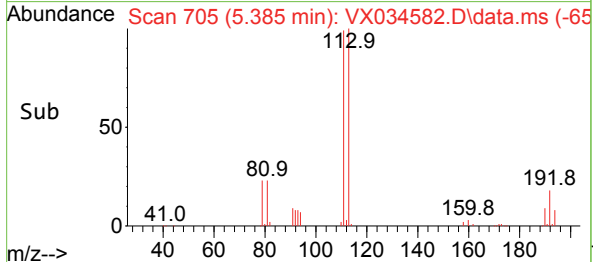
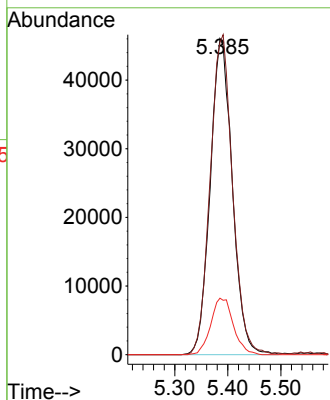
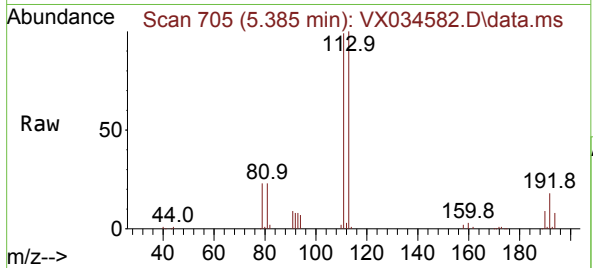




#35
Dibromofluoromethane
Concen: 47.825 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

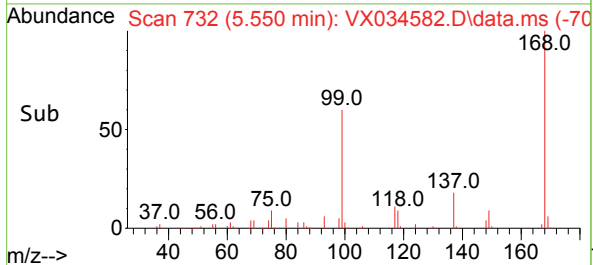
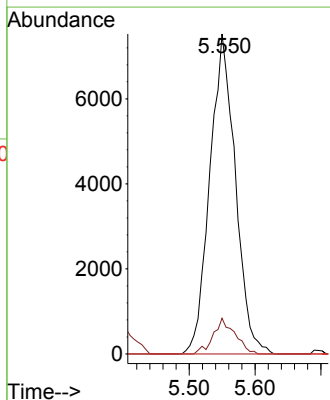
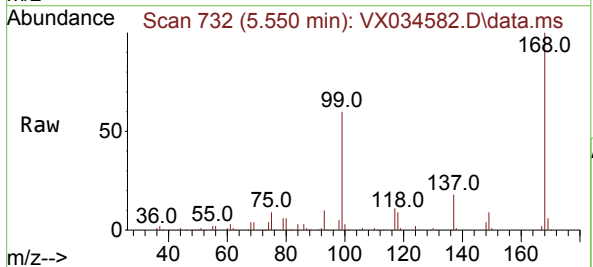
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#03

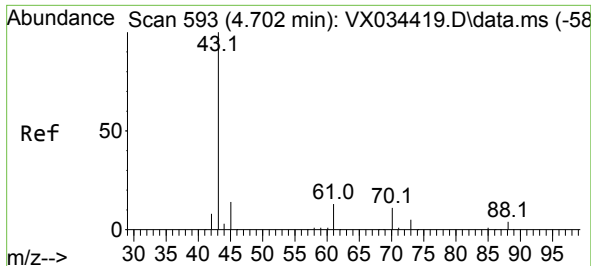
Tgt Ion:113 Resp: 133352
Ion Ratio Lower Upper
113 100
111 102.2 83.7 125.5
192 18.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

Tgt Ion: 75 Resp: 20330
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 15.558 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.018 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#03

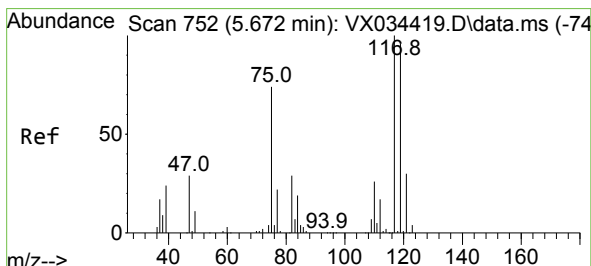
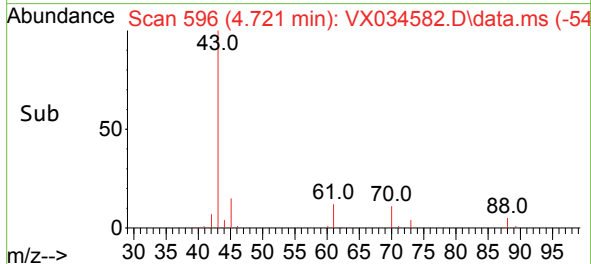
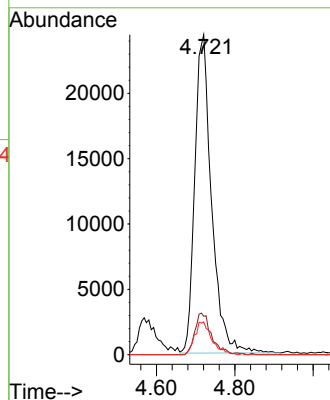
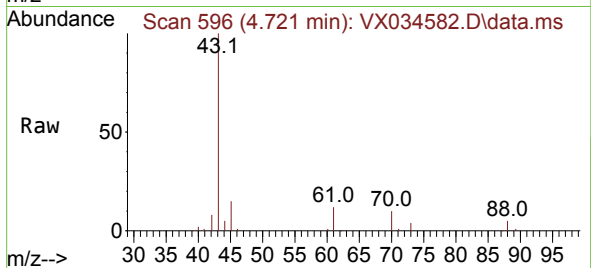
Tgt Ion: 43 Resp: 72792

Ion Ratio Lower Upper

43 100

61 12.8 10.2 15.4

70 10.5 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.905 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

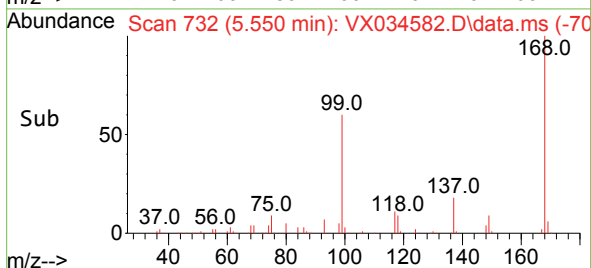
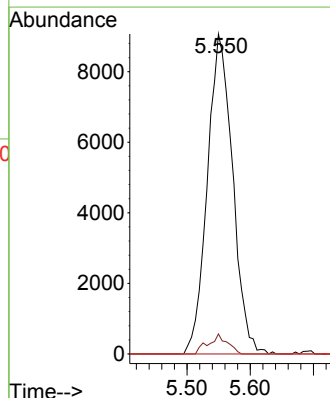
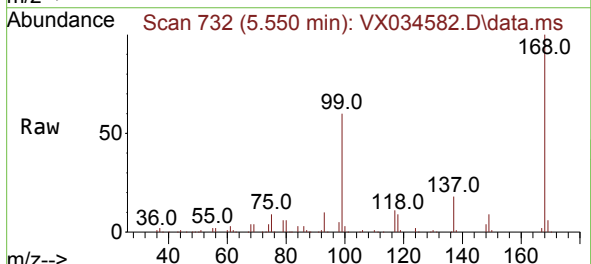
Tgt Ion: 117 Resp: 25158

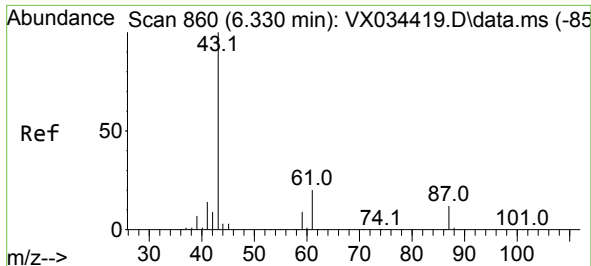
Ion Ratio Lower Upper

117 100

119 6.2 76.6 114.8#

121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 36.825 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.012 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#03

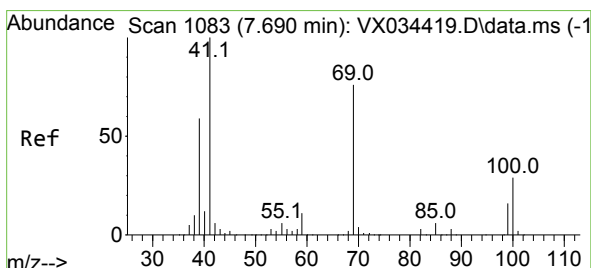
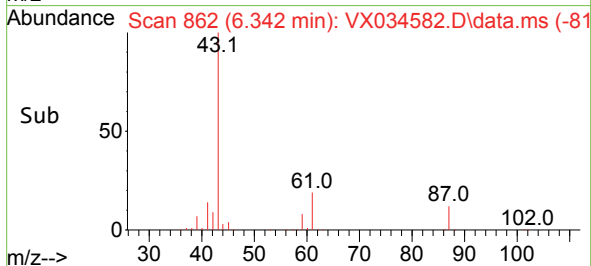
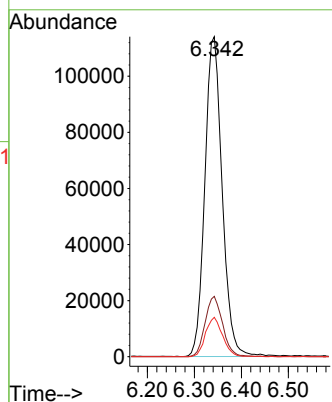
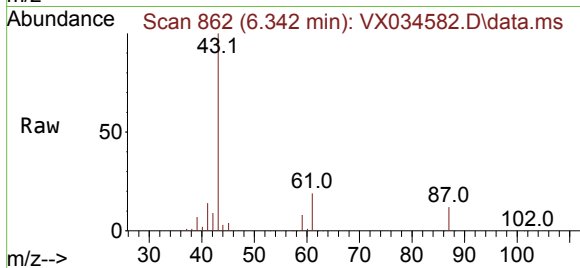
Tgt Ion: 43 Resp: 291875

Ion Ratio Lower Upper

43 100

61 19.1 15.2 22.8

87 12.1 9.8 14.8



#48

Methyl methacrylate

Concen: 73.174 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

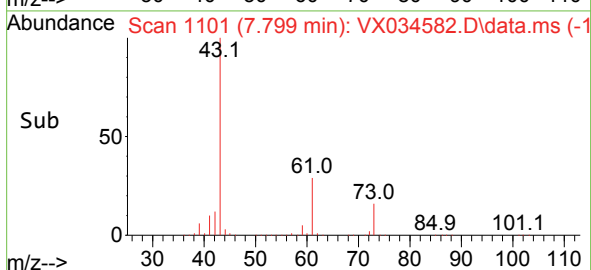
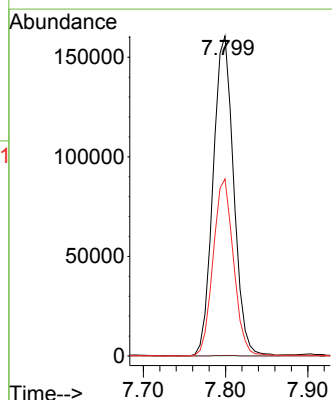
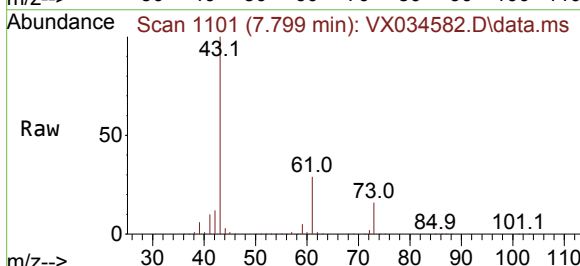
Tgt Ion: 41 Resp: 278939

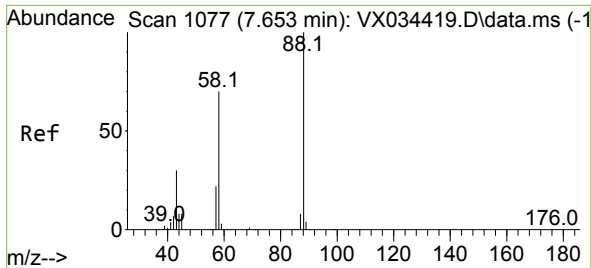
Ion Ratio Lower Upper

41 100

69 0.1 62.2 93.4#

39 55.0 47.7 71.5

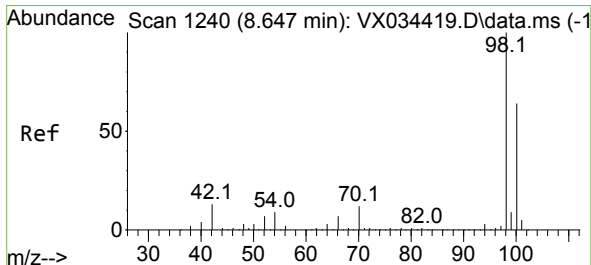
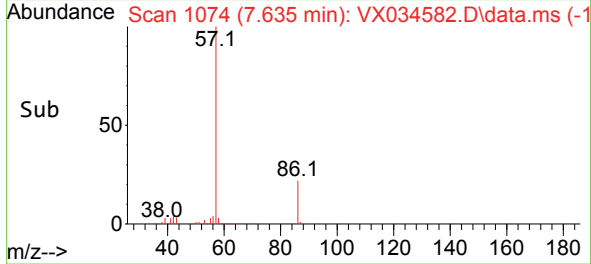
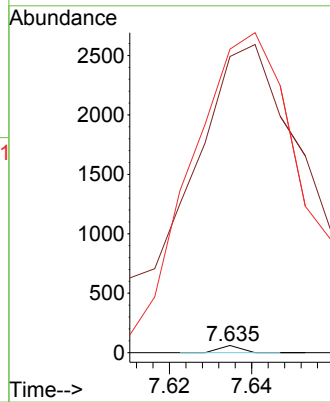
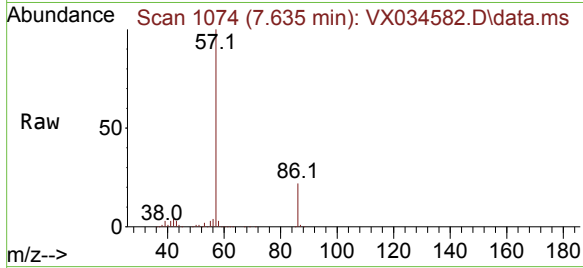




#49
1,4-Dioxane
Concen: 0.275 ug/l
RT: 7.635 min Scan# 1077
Delta R.T. -0.018 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

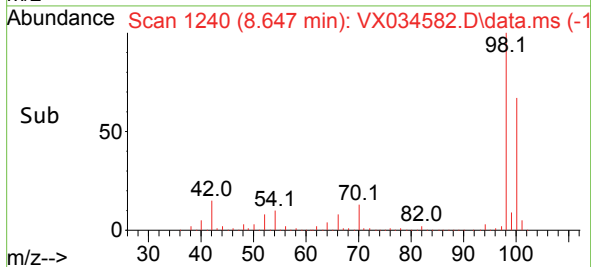
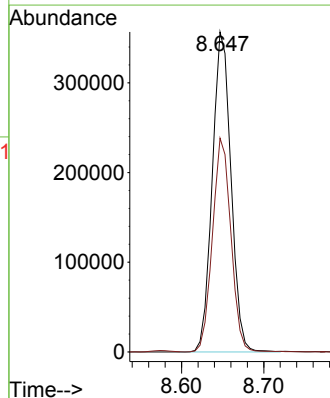
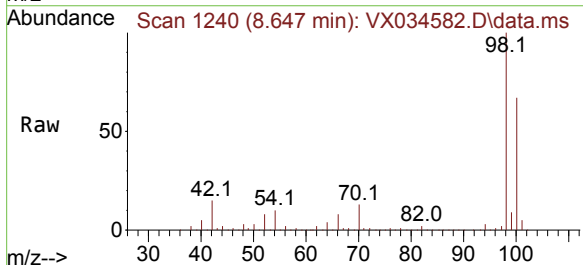
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#03

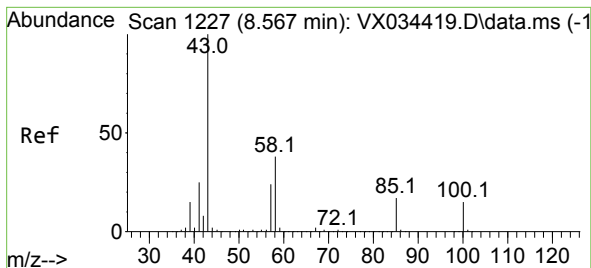
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 24154.5 56.8 85.2#



#50
Toluene-d8
Concen: 54.007 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

Tgt Ion: 98 Resp: 562154
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7

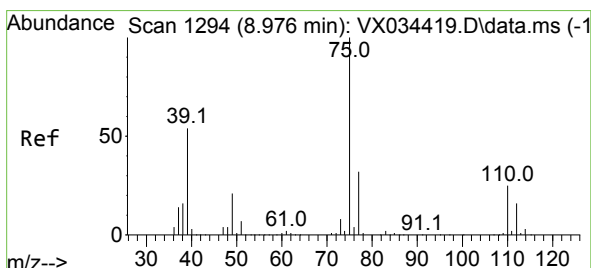
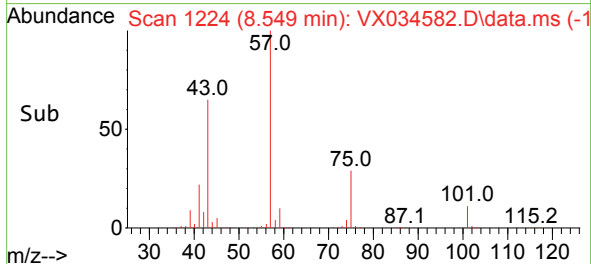
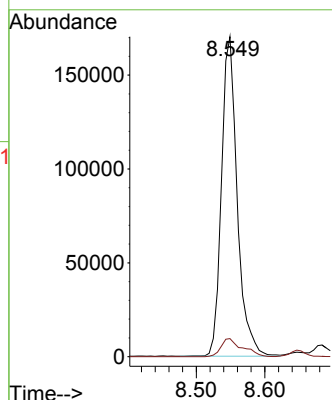
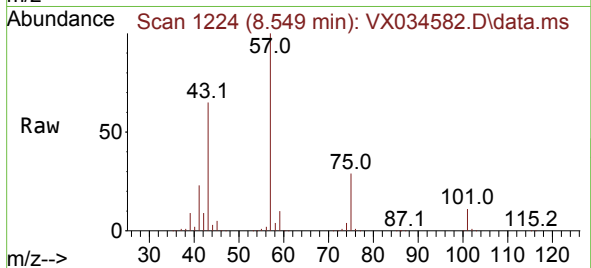




#51
4-Methyl-2-Pentanone
Concen: 58.953 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

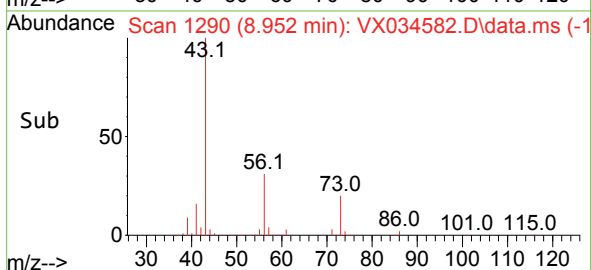
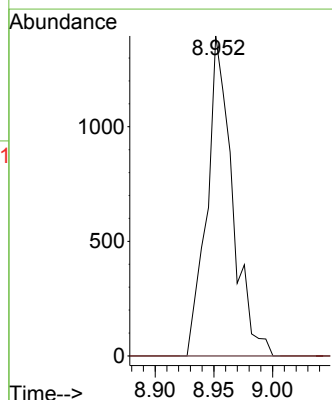
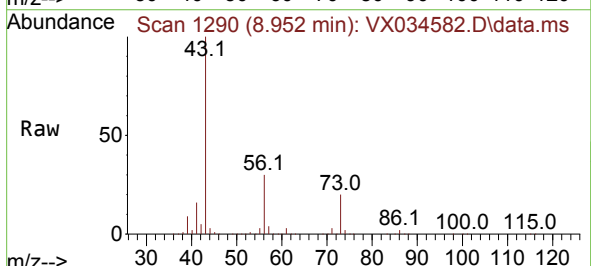
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#03

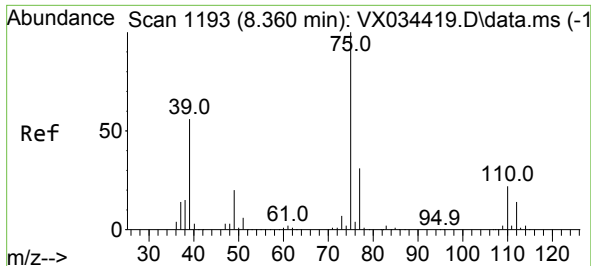
Tgt Ion: 43 Resp: 271064
Ion Ratio Lower Upper
43 100
58 7.7 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.434 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

Tgt Ion: 75 Resp: 2105
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

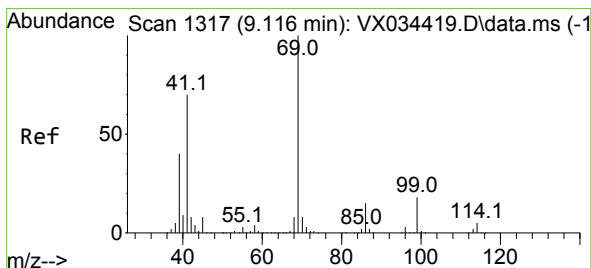
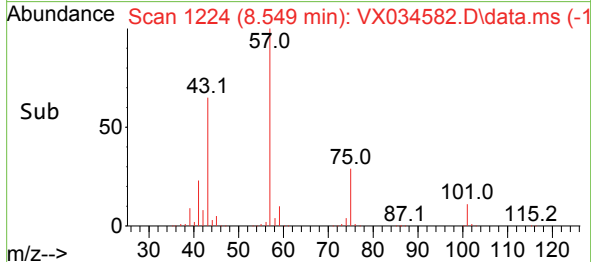
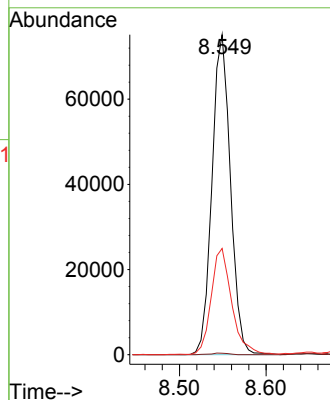
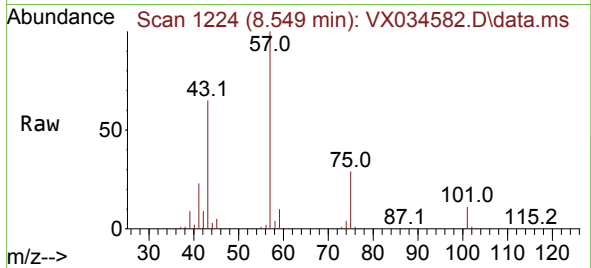




#54
cis-1,3-Dichloropropene
Concen: 21.172 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.189 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

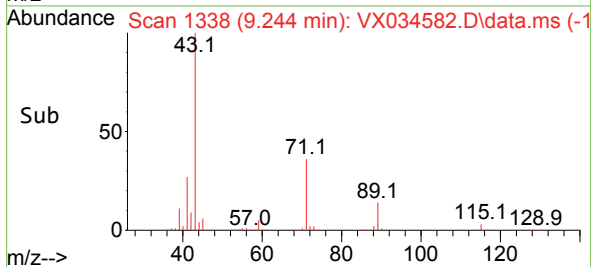
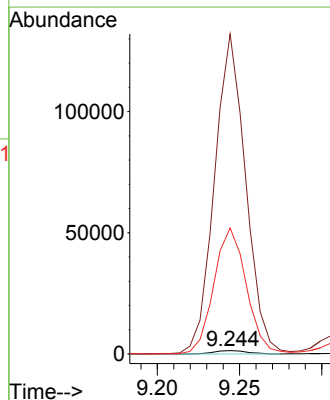
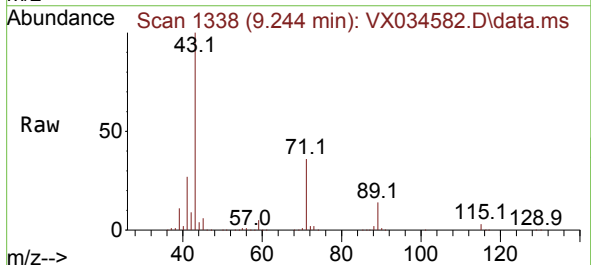
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#03

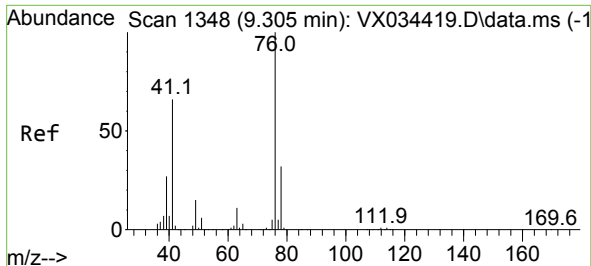
Tgt Ion: 75 Resp: 111073
Ion Ratio Lower Upper
75 100
77 0.4 25.0 37.4#
39 33.1 44.6 66.8#



#56
Ethyl methacrylate
Concen: 0.383 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

Tgt Ion: 69 Resp: 1935
Ion Ratio Lower Upper
69 100
41 8995.0 57.4 86.0#
39 3703.7 33.7 50.5#





#57

1,3-Dichloropropane

Concen: 2.522 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :

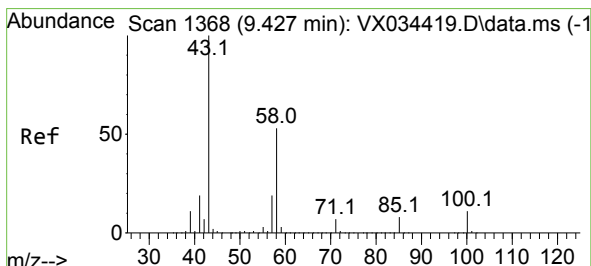
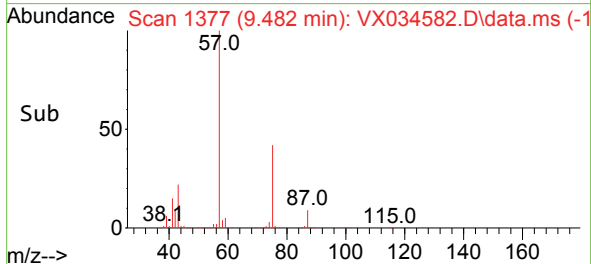
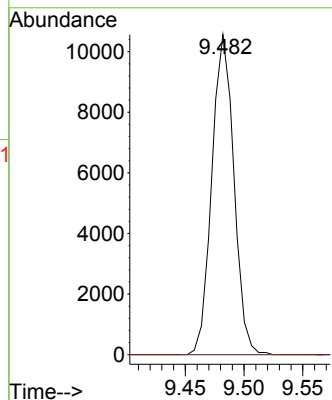
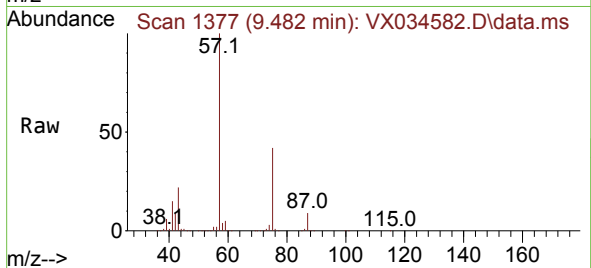
PB151466ZHE#03

Tgt Ion: 76 Resp: 13796

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 58.736 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034582.D

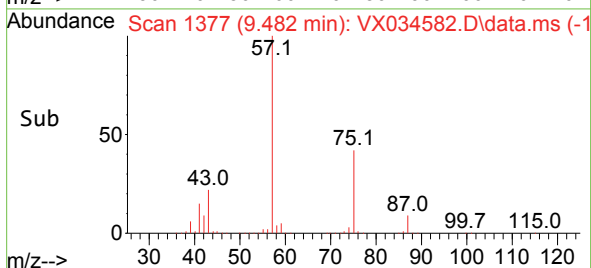
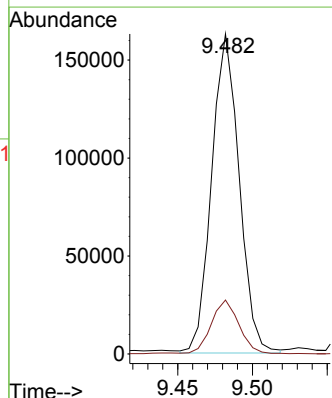
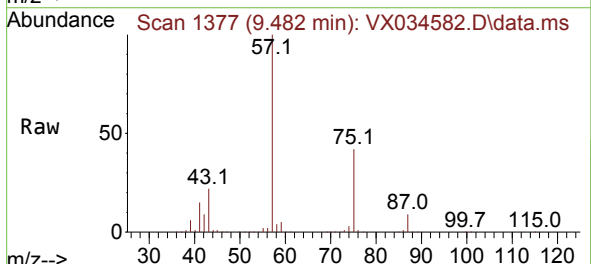
Acq: 17 Mar 2023 14:22

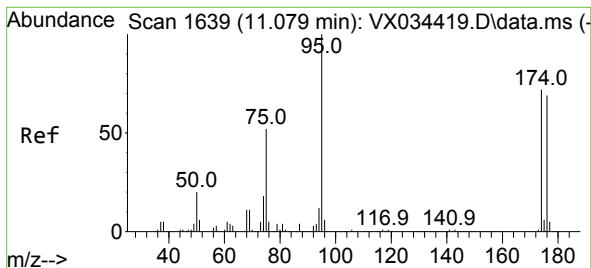
Tgt Ion: 43 Resp: 208763

Ion Ratio Lower Upper

43 100

58 17.6 26.3 78.9#

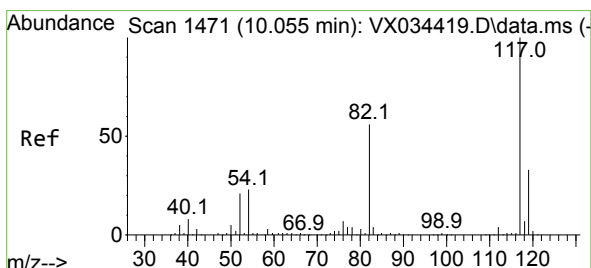
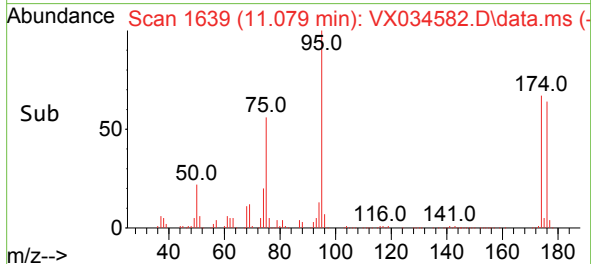
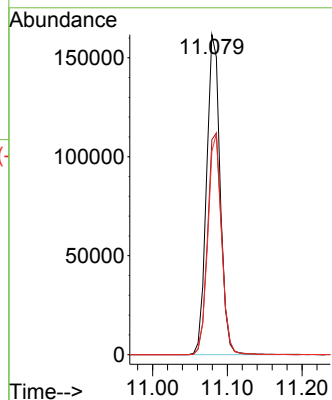
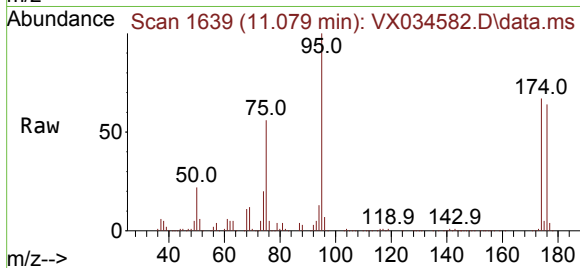




#62
4-Bromofluorobenzene
Concen: 48.452 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

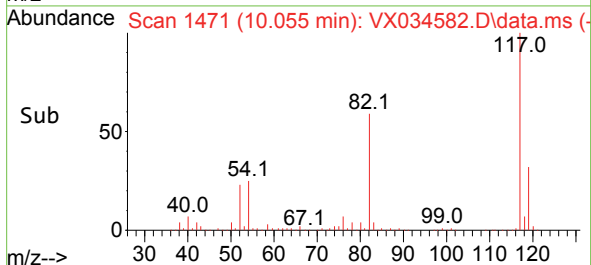
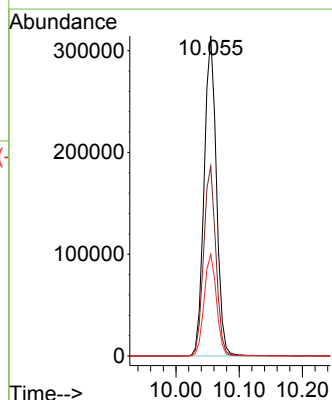
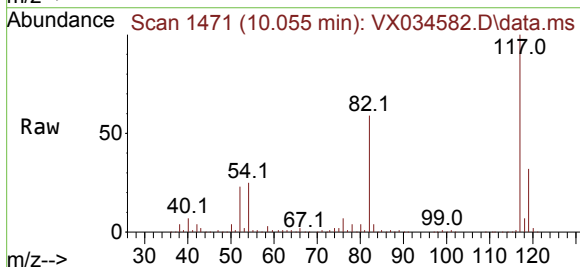
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#03

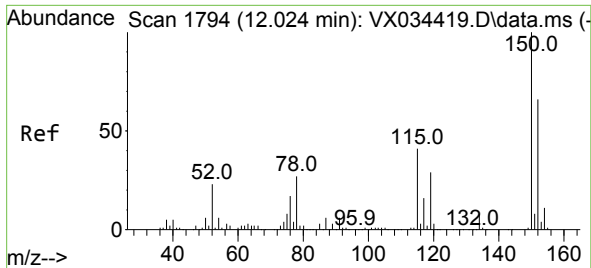
Tgt Ion: 95 Resp: 203711
Ion Ratio Lower Upper
95 100
174 71.8 0.0 147.4
176 69.6 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

Tgt Ion: 117 Resp: 424769
Ion Ratio Lower Upper
117 100
82 59.2 45.0 67.4
119 31.8 26.0 39.0

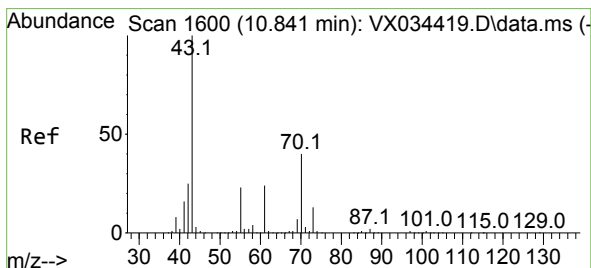
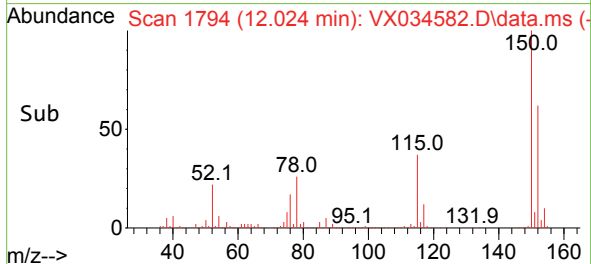
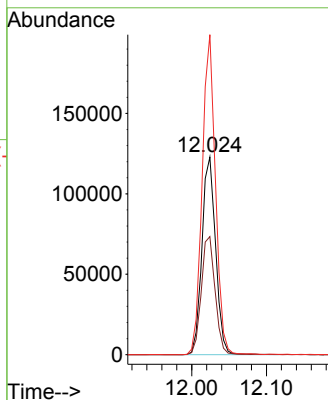
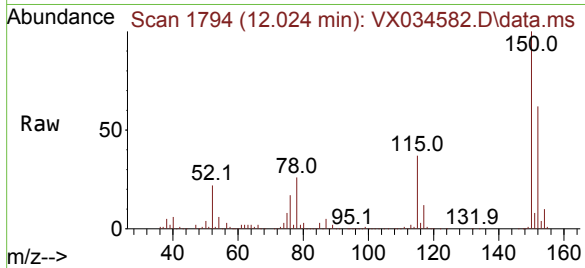




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

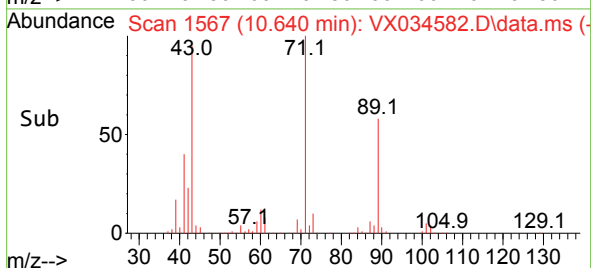
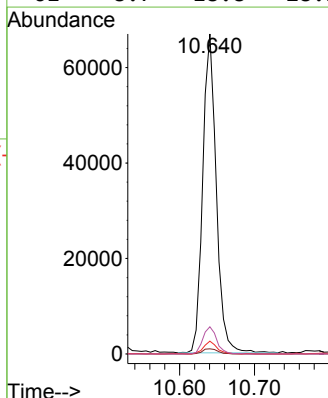
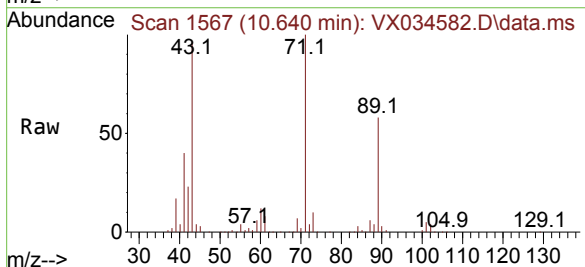
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#03

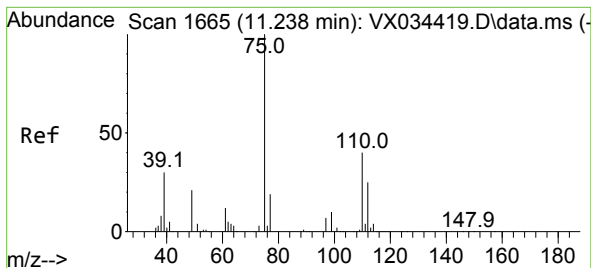
Tgt Ion:152 Resp: 156442
Ion Ratio Lower Upper
152 100
115 60.3 45.0 135.0
150 157.3 0.0 352.4



#74
N-ethyl acetate
Concen: 14.514 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034582.D
Acq: 17 Mar 2023 14:22

Tgt Ion: 43 Resp: 84053
Ion Ratio Lower Upper
43 100
70 1.8 32.1 48.1#
55 4.0 18.3 27.5#
61 8.7 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 30.734 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :

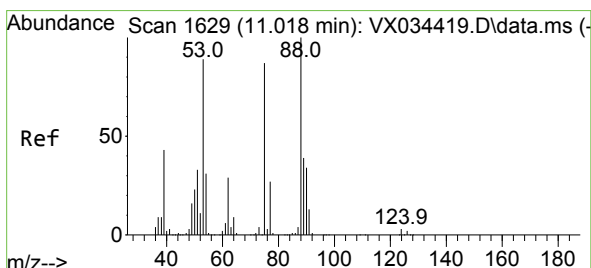
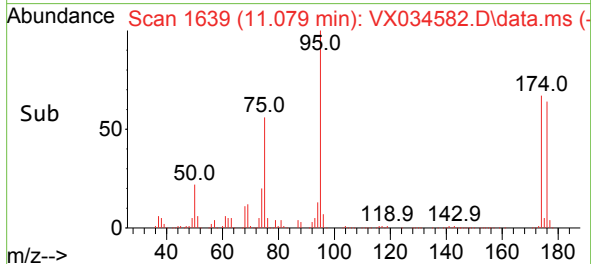
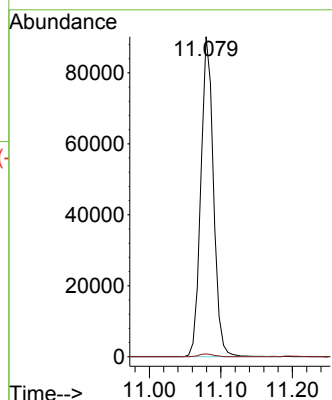
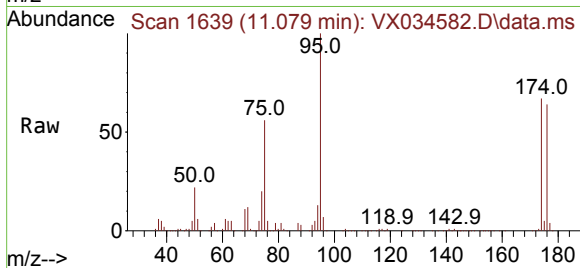
PB151466ZHE#03

Tgt Ion: 75 Resp: 110399

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.145 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034582.D

Acq: 17 Mar 2023 14:22

Tgt Ion: 75 Resp: 110399

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

