

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034593.D
 Acq On : 17 Mar 2023 18:43
 Operator : JC/MD
 Sample : PB151466ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#14

Quant Time: Mar 20 00:06:43 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)

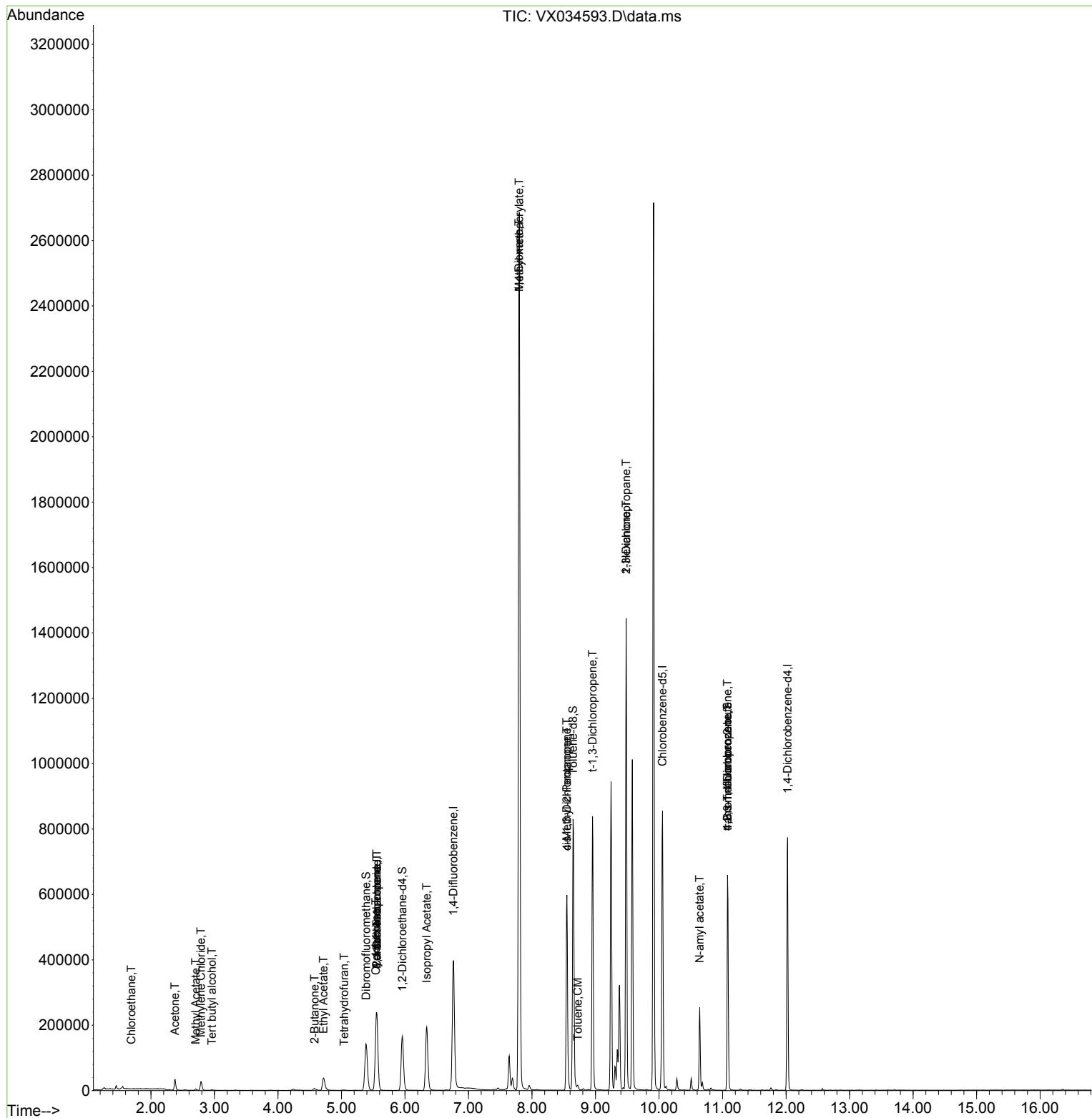
Internal Standards						
1) Pentafluorobenzene	5.556	168	224803	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	390220	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	157217	48.072	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.140%		
35) Dibromofluoromethane	5.385	113	122090	47.388	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.780%		
50) Toluene-d8	8.647	98	480568	49.966	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.940%		
62) 4-Bromofluorobenzene	11.079	95	170825	43.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.940%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	441	Below Cal		94
6) Chloroethane	1.691	64	349	0.212 ug/l	#	42
11) Tert butyl alcohol	2.959	59	1846	2.711 ug/l	#	90
16) Acetone	2.380	43	34420	22.343 ug/l		97
18) Methyl Acetate	2.703	43	5154	1.024 ug/l		96
20) Methylene Chloride	2.788	84	12136	4.059 ug/l		94
25) 2-Butanone	4.574	43	10644	4.829 ug/l		98
29) Tetrahydrofuran	5.044	42	1290	0.948 ug/l	#	57
31) Cyclohexane	5.544	56	5571	1.215 ug/l	#	22
36) 1,1-Dichloropropene	5.556	75	18085	4.570 ug/l	#	50
37) Ethyl Acetate	4.715	43	68735	15.899 ug/l		98
38) Carbon Tetrachloride	5.556	117	23161	5.883 ug/l	#	15
43) Isopropyl Acetate	6.342	43	274472	37.477 ug/l		100
48) Methyl methacrylate	7.799	41	239262	67.928 ug/l	#	47
49) 1,4-Dioxane	7.793	88	342	4.623 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	213450	50.241 ug/l	#	49
52) Toluene	8.720	92	4078	0.569 ug/l		96
53) t-1,3-Dichloropropene	8.952	75	1686	0.376 ug/l	#	43
54) cis-1,3-Dichloropropene	8.549	75	92437	19.069 ug/l	#	60
57) 1,3-Dichloropropane	9.482	76	11984	2.371 ug/l	#	43
59) 2-Hexanone	9.482	43	175697	53.498 ug/l	#	51
74) N-amyl acetate	10.640	43	70586	12.481 ug/l	#	53
76) 1,2,3-Trichloropropane	11.079	75	91692	26.139 ug/l	#	35
81) trans-1,4-Dichloro-2-b...	11.079	75	91692	70.715 ug/l	#	8

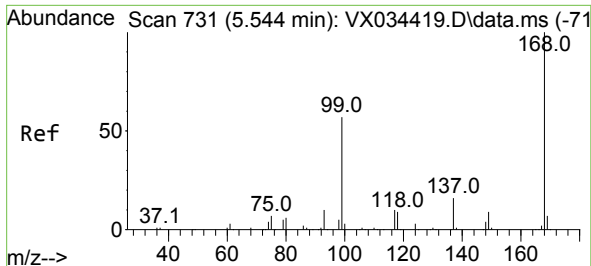
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
PB151466ZHE#14

Quant Time: Mar 20 00:06:43 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

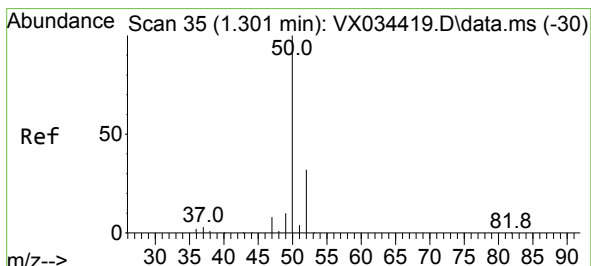
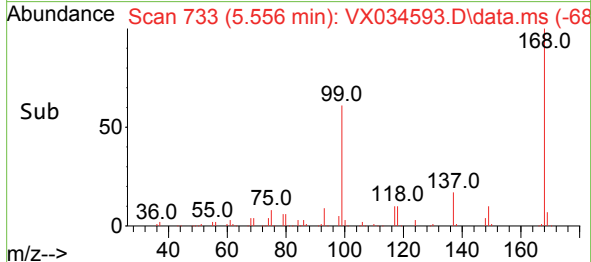
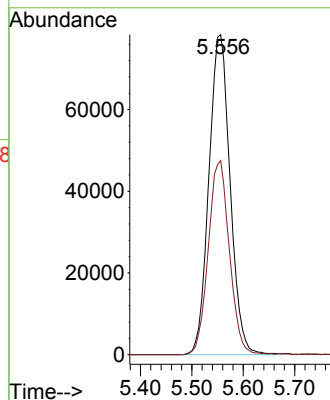
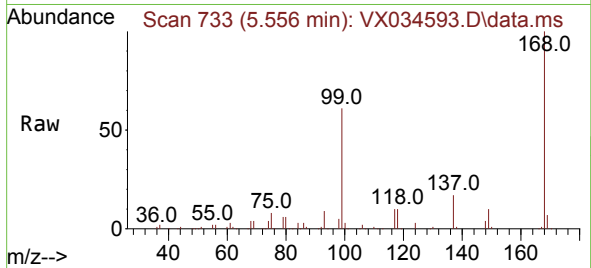




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

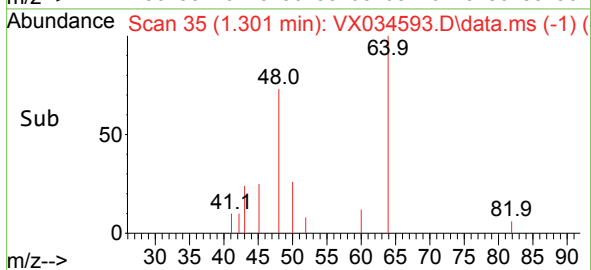
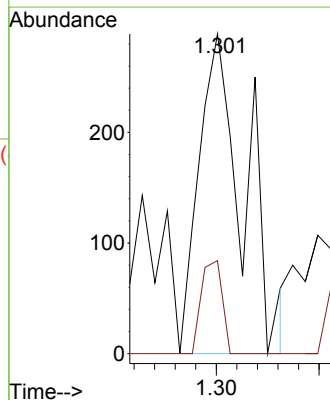
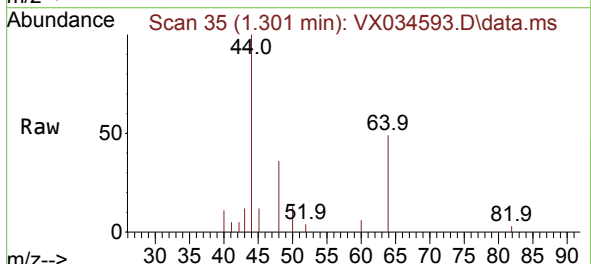
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

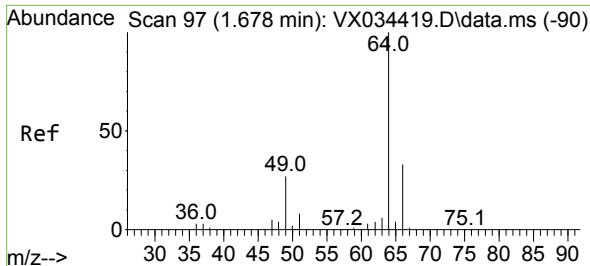
Tgt Ion:168 Resp: 224803
Ion Ratio Lower Upper
168 100
99 60.6 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 29.1 25.9 38.9

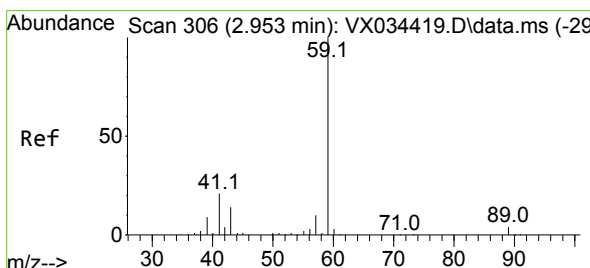
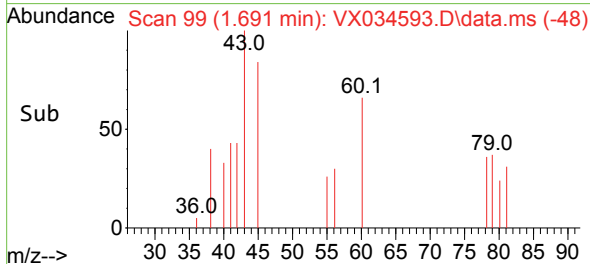
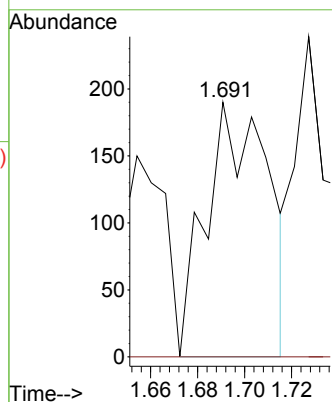
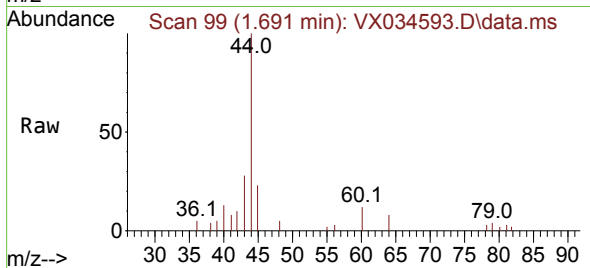




#6
Chloroethane
Concen: 0.212 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

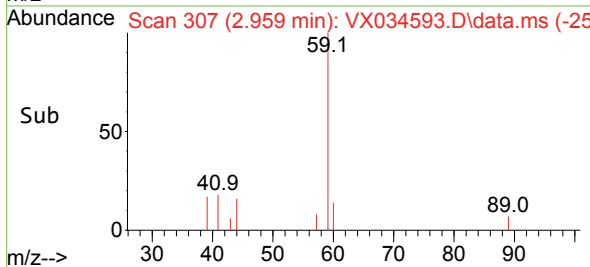
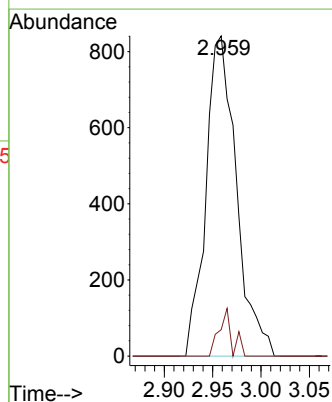
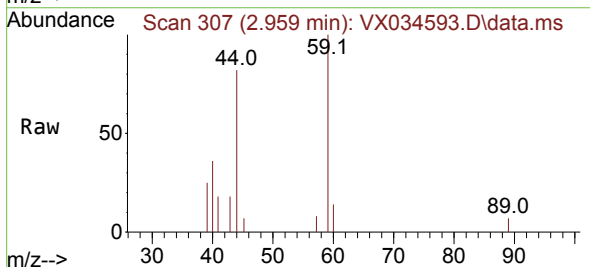
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

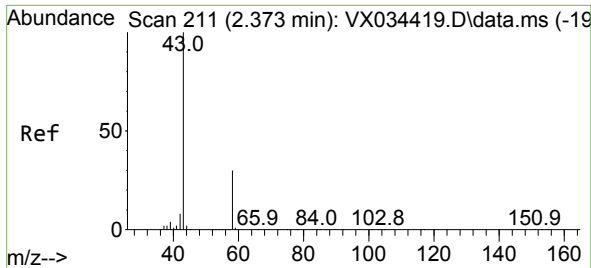
Tgt Ion: 64 Resp: 349
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.711 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Tgt Ion: 59 Resp: 1846
Ion Ratio Lower Upper
59 100
57 6.2 8.1 12.1#

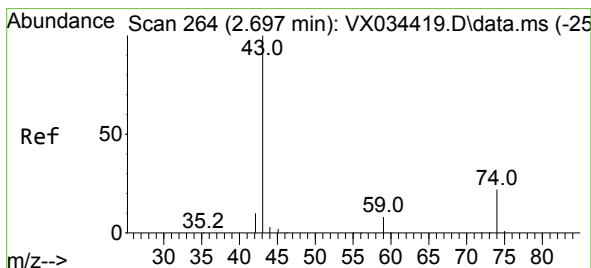
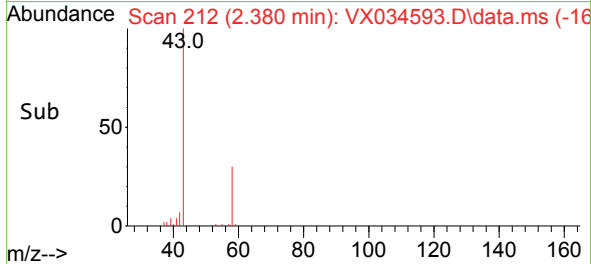
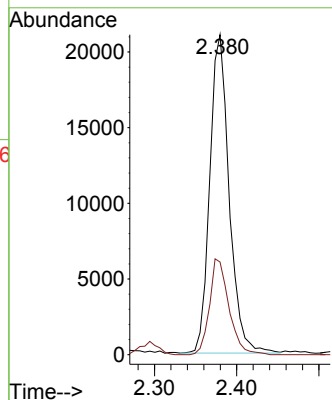
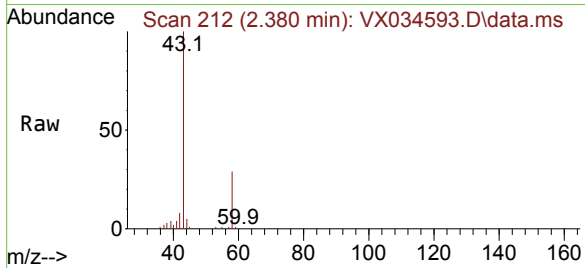




#16
Acetone
Concen: 22.343 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

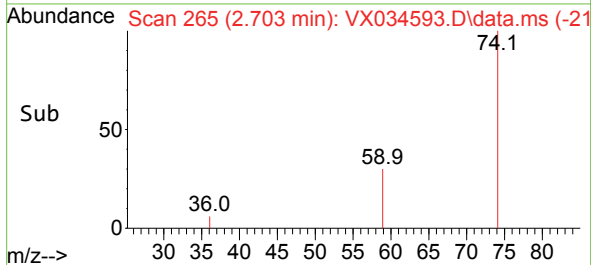
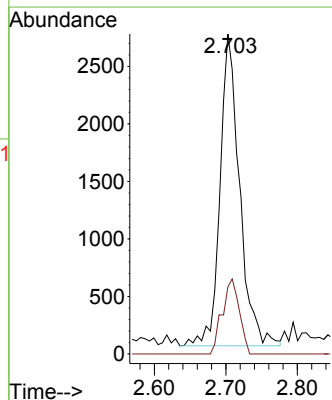
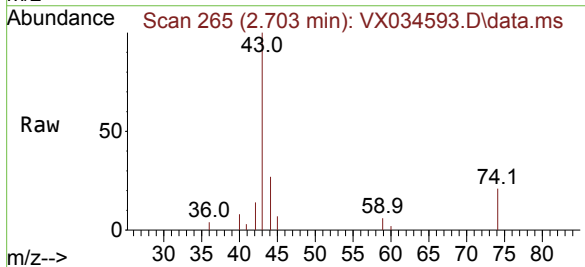
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

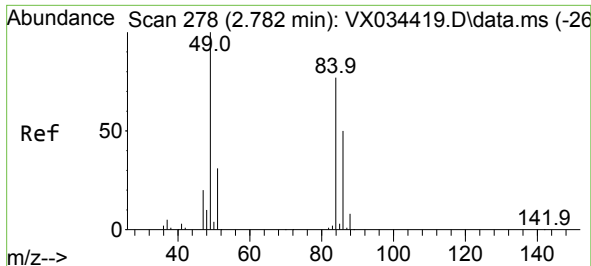
Tgt Ion: 43 Resp: 34420
Ion Ratio Lower Upper
43 100
58 29.1 24.7 37.1



#18
Methyl Acetate
Concen: 1.024 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

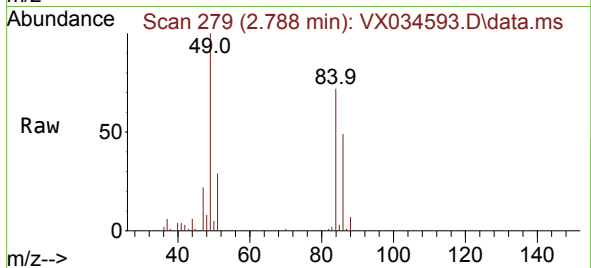
Tgt Ion: 43 Resp: 5154
Ion Ratio Lower Upper
43 100
74 20.9 18.3 27.5



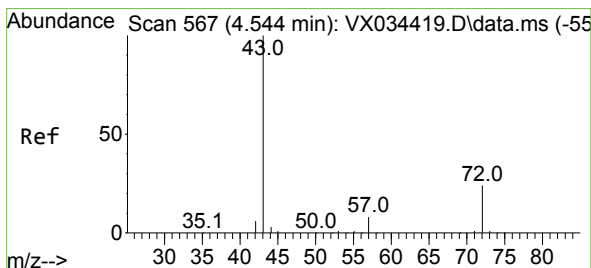
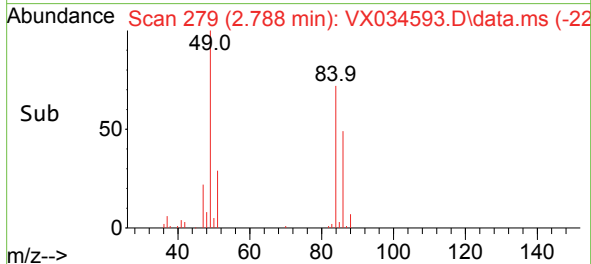
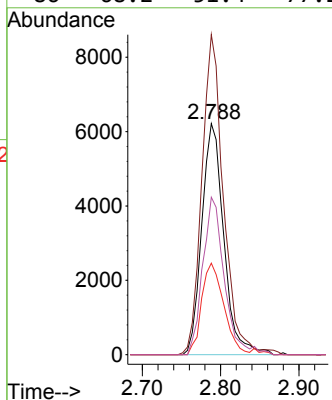


#20
Methylene Chloride
Concen: 4.059 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

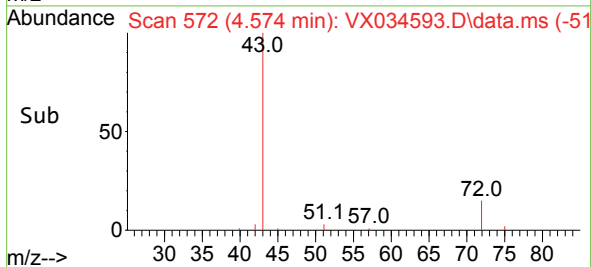
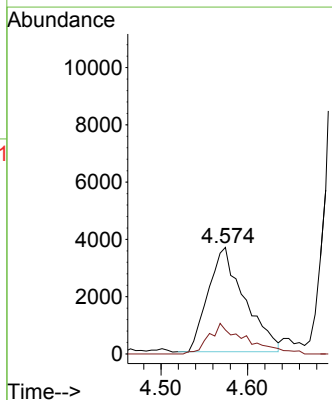
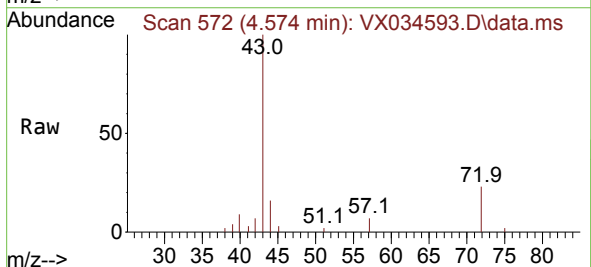


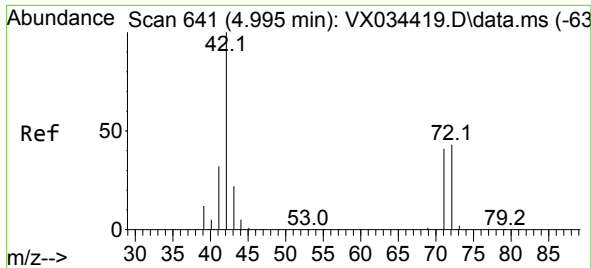
Tgt Ion:	84	Resp:	12136
Ion	Ratio	Lower	Upper
84	100		
49	138.5	103.8	155.8
51	39.6	31.8	47.8
86	68.2	51.4	77.2



#25
2-Butanone
Concen: 4.829 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.031 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Tgt Ion:	43	Resp:	10644
Ion	Ratio	Lower	Upper
43	100		
72	23.1	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.948 ug/l

RT: 5.044 min Scan# 641

Delta R.T. 0.049 min

Lab File: VX034593.D

Acq: 17 Mar 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#14

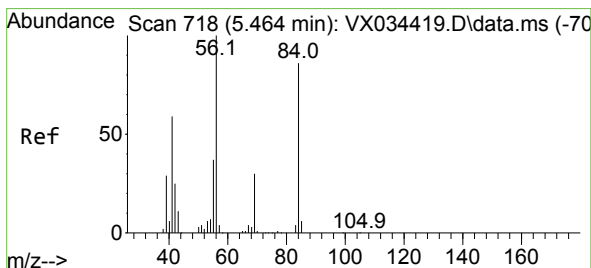
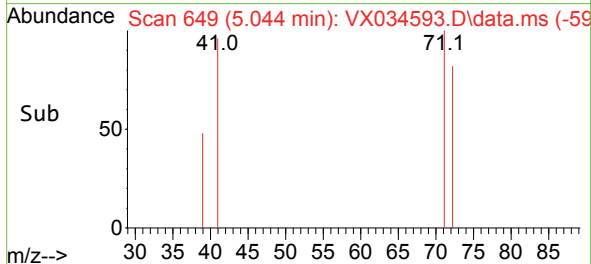
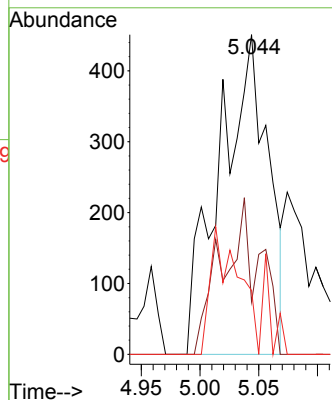
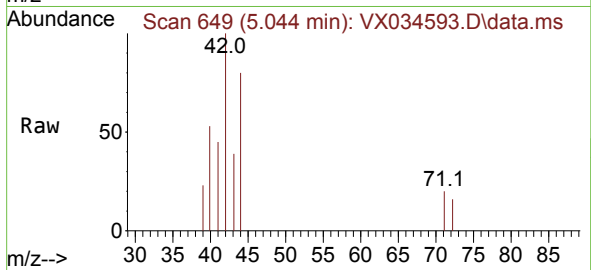
Tgt Ion: 42 Resp: 1290

Ion Ratio Lower Upper

42 100

72 23.1 34.5 51.7#

71 5.7 32.1 48.1#



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX034593.D

Acq: 17 Mar 2023 18:43

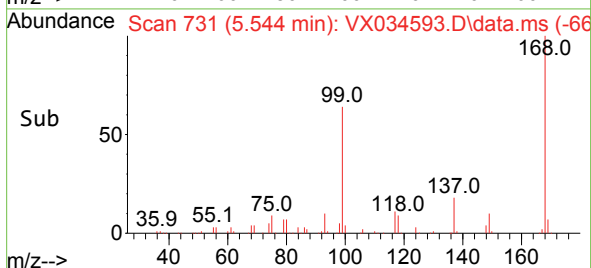
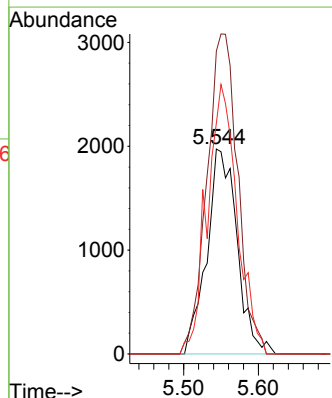
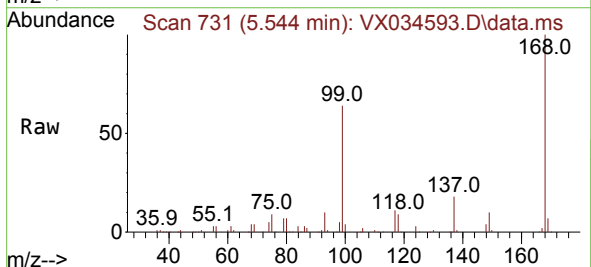
Tgt Ion: 56 Resp: 5571

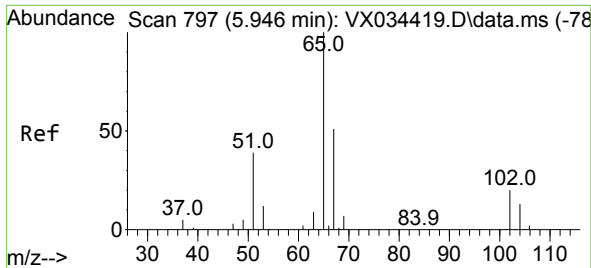
Ion Ratio Lower Upper

56 100

69 147.8 23.7 35.5#

84 112.6 68.5 102.7#

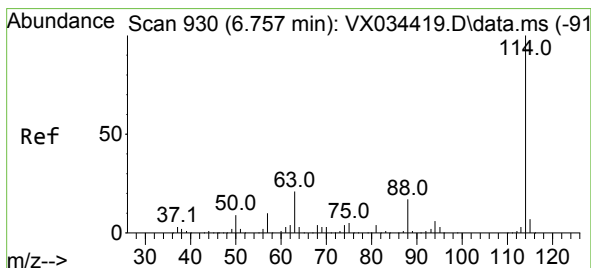
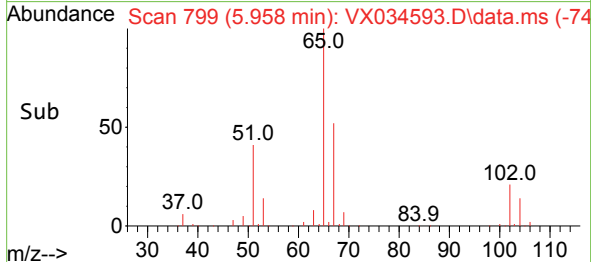
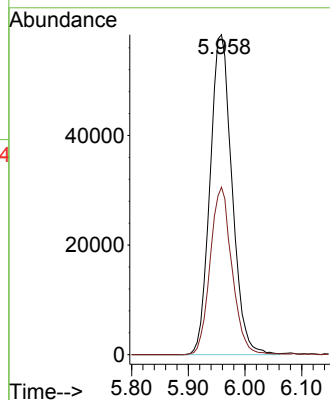
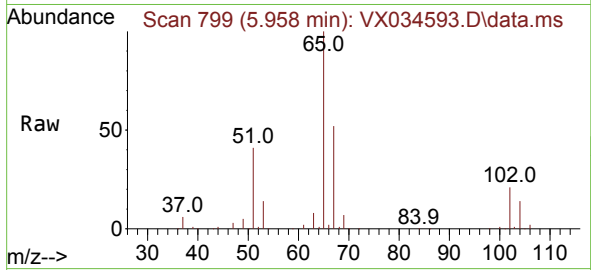




#33
 1,2-Dichloroethane-d4
 Concen: 48.072 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.012 min
 Lab File: VX034593.D
 Acq: 17 Mar 2023 18:43

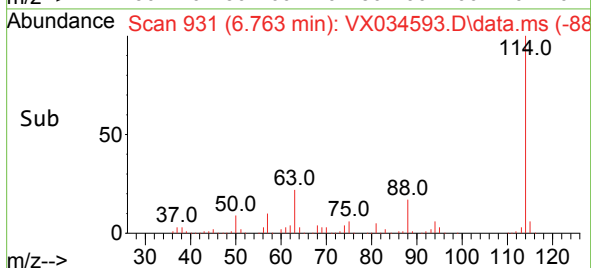
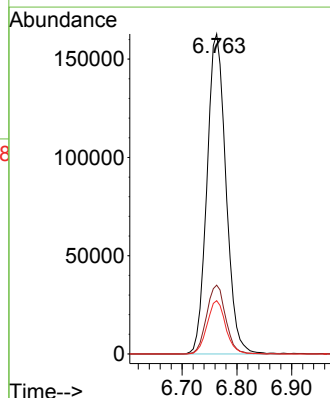
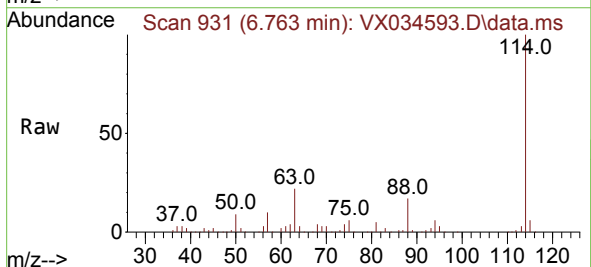
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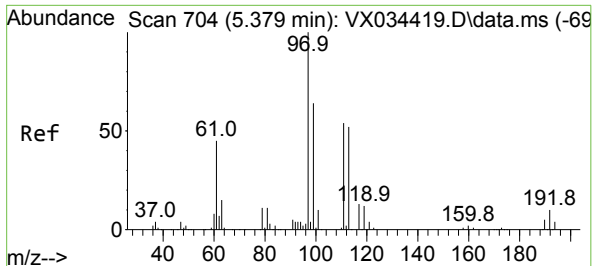
Tgt Ion: 65 Resp: 157217
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034593.D
 Acq: 17 Mar 2023 18:43

Tgt Ion: 114 Resp: 390220
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.2
 88 16.6 0.0 33.2

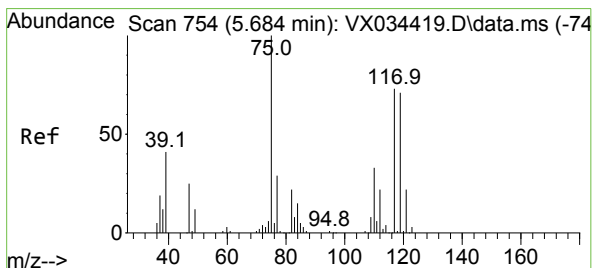
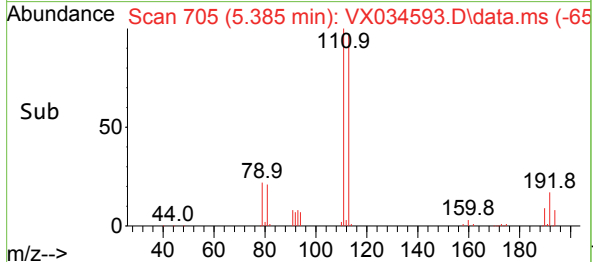
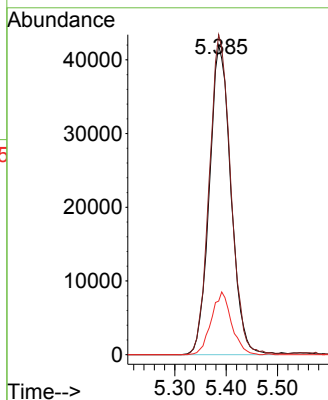
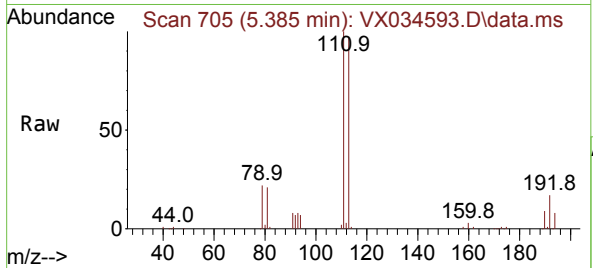




#35
Dibromofluoromethane
Concen: 47.388 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

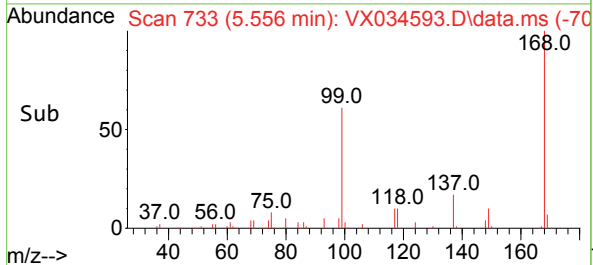
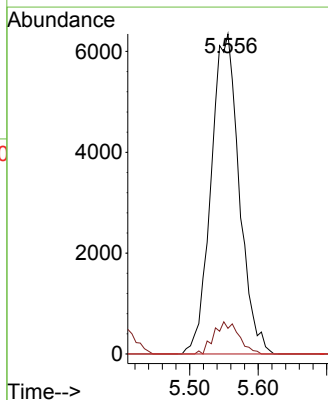
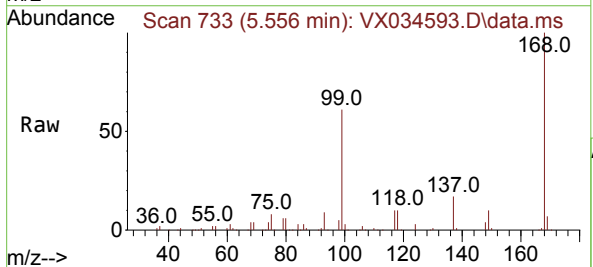
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

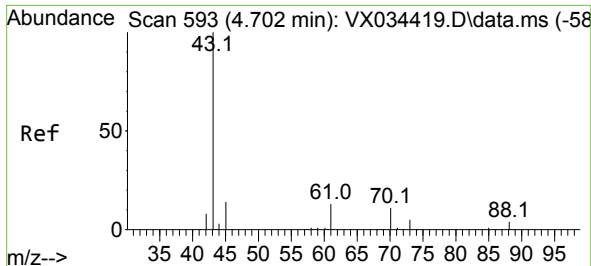
Tgt Ion:113 Resp: 122090
Ion Ratio Lower Upper
113 100
111 103.4 83.7 125.5
192 19.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.570 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Tgt Ion: 75 Resp: 18085
Ion Ratio Lower Upper
75 100
110 8.9 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 15.899 ug/l

RT: 4.715 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034593.D

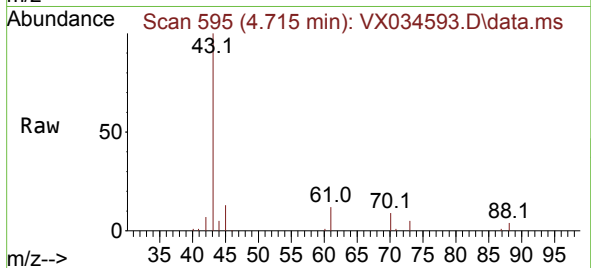
Acq: 17 Mar 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#14



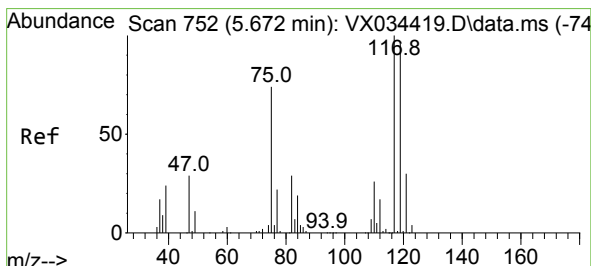
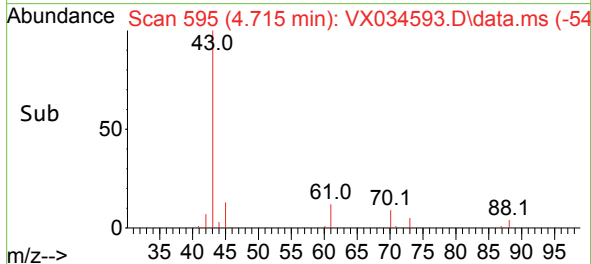
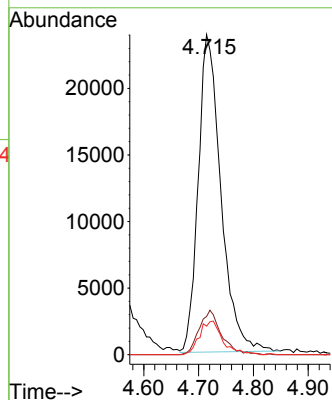
Tgt Ion: 43 Resp: 68735

Ion Ratio Lower Upper

43 100

61 13.7 10.2 15.4

70 10.8 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.883 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034593.D

Acq: 17 Mar 2023 18:43

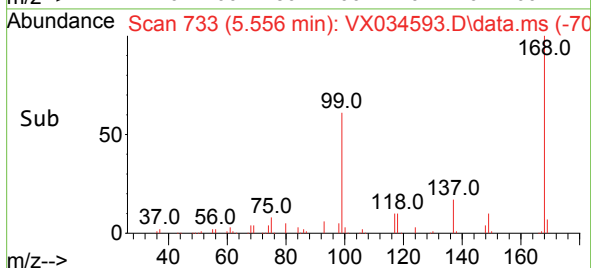
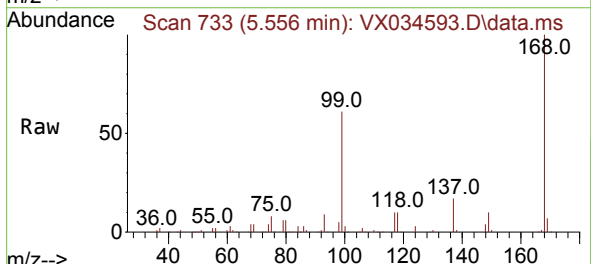
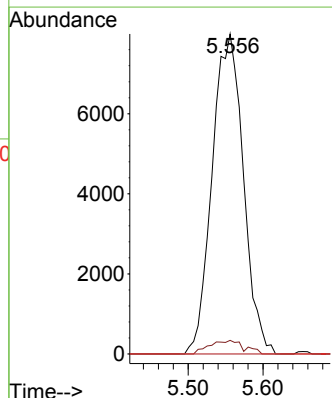
Tgt Ion: 117 Resp: 23161

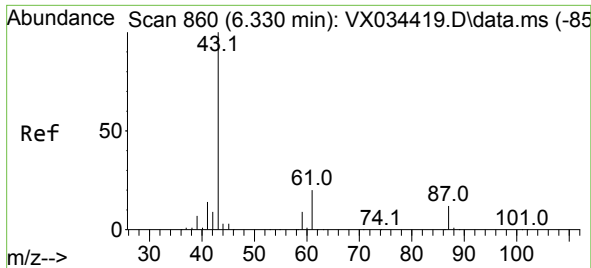
Ion Ratio Lower Upper

117 100

119 4.2 76.6 114.8#

121 0.0 23.8 35.6#

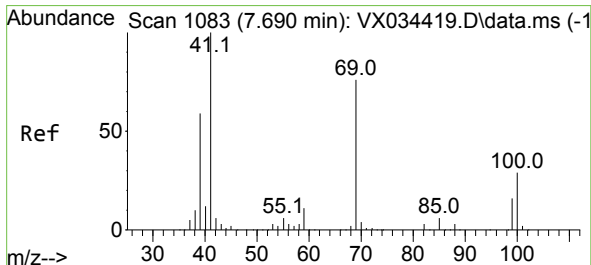
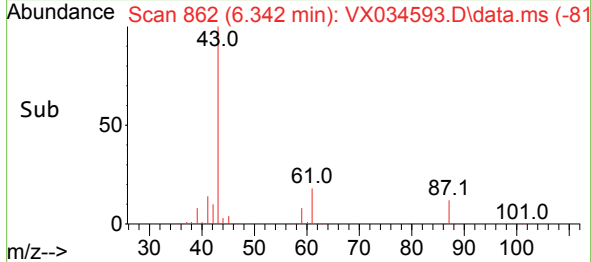
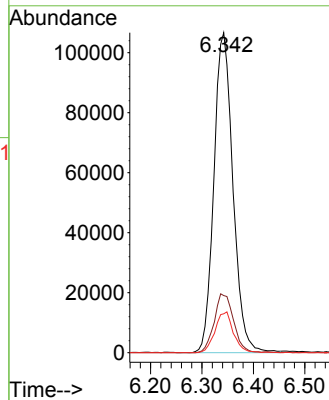
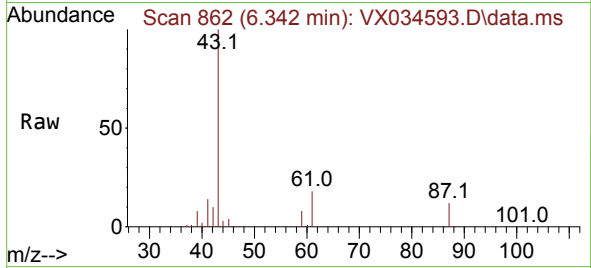




#43
Isopropyl Acetate
Concen: 37.477 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

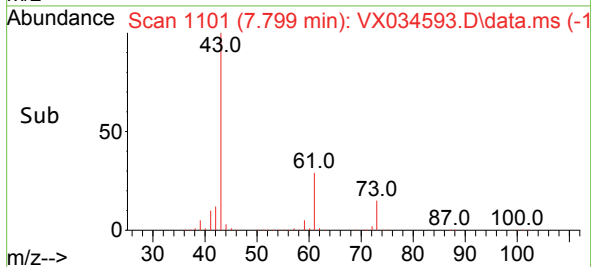
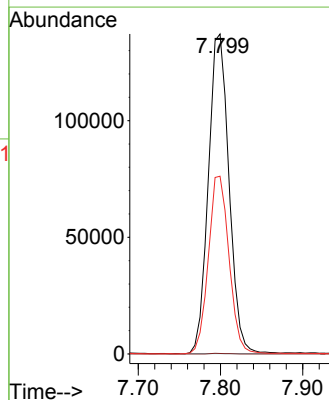
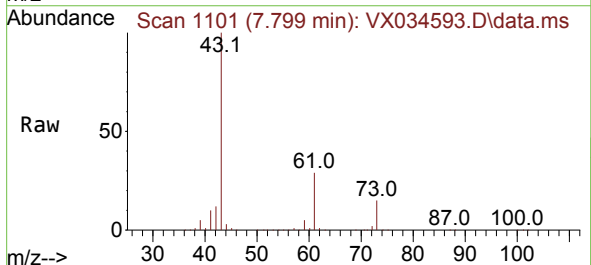
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

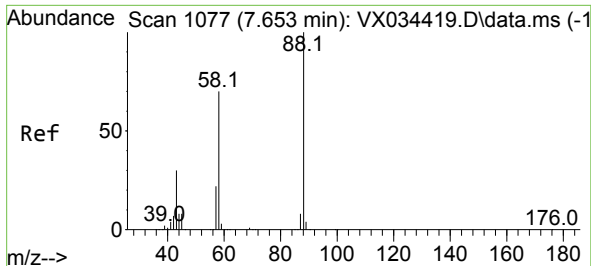
Tgt Ion: 43 Resp: 274472
Ion Ratio Lower Upper
43 100
61 18.7 15.2 22.8
87 12.3 9.8 14.8



#48
Methyl methacrylate
Concen: 67.928 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Tgt Ion: 41 Resp: 239262
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.9 47.7 71.5

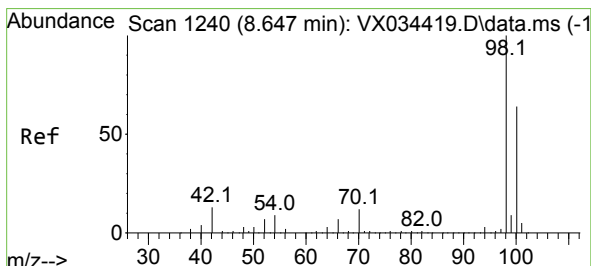
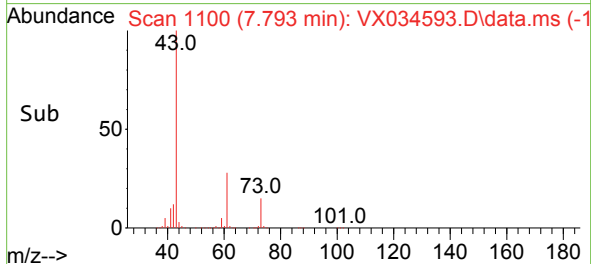
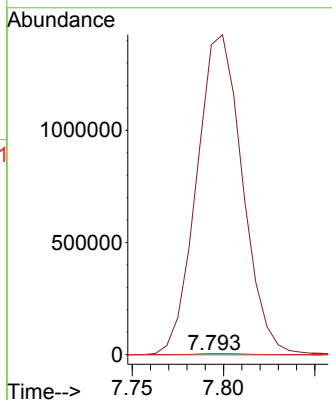
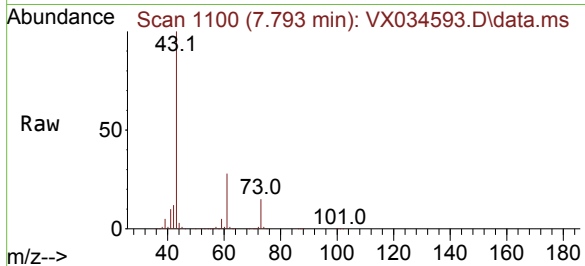




#49
1,4-Dioxane
Concen: 4.623 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.140 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

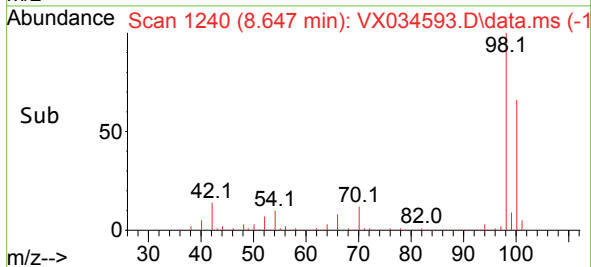
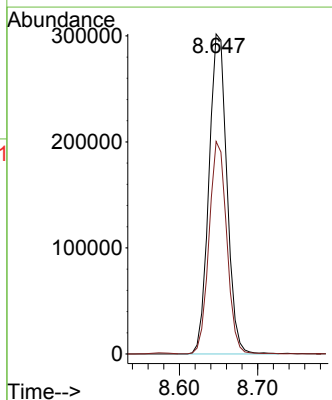
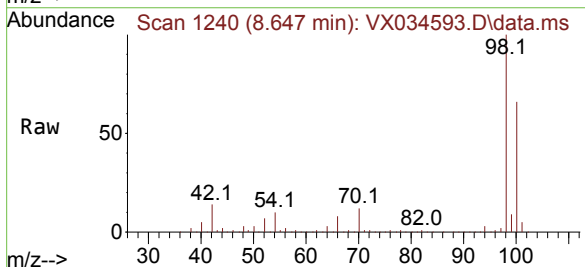
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

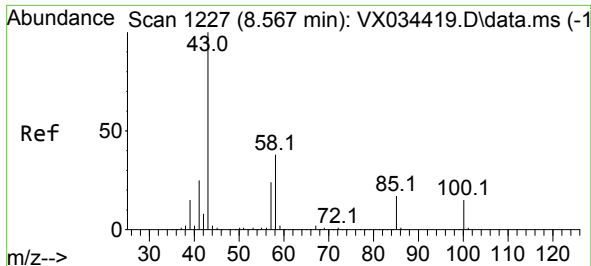
Tgt Ion: 88 Resp: 342
Ion Ratio Lower Upper
88 100
43 731285.7 27.7 41.5#
58 2865.8 56.8 85.2#



#50
Toluene-d8
Concen: 49.966 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Tgt Ion: 98 Resp: 480568
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7

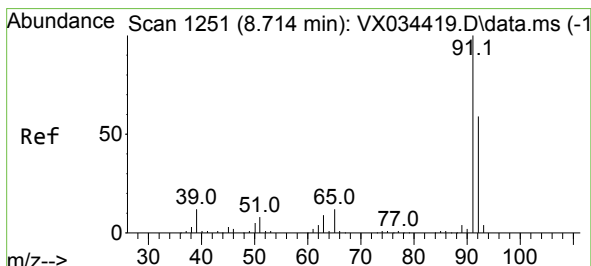
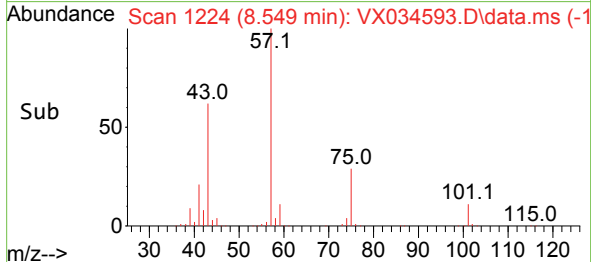
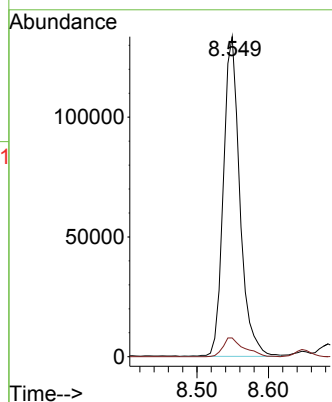
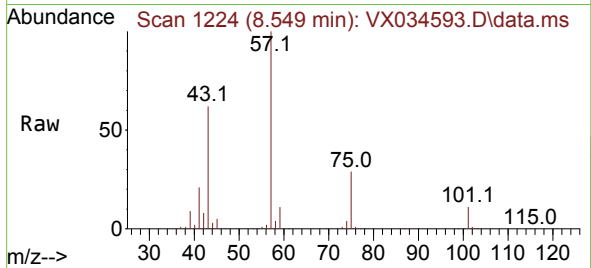




#51
4-Methyl-2-Pentanone
Concen: 50.241 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

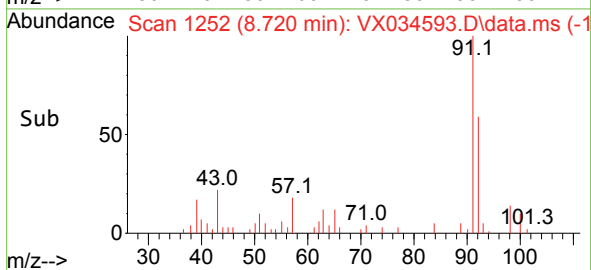
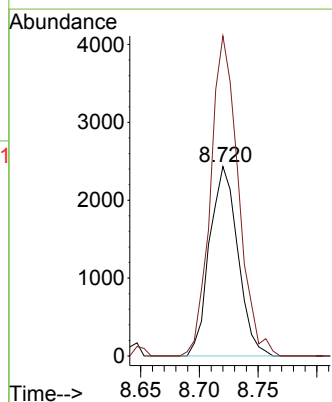
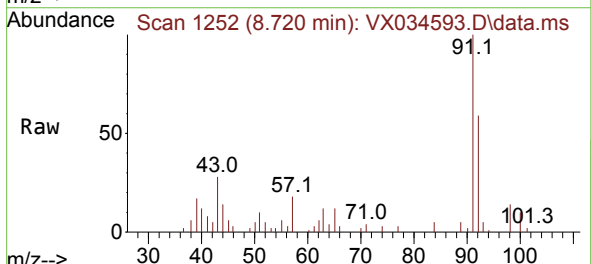
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

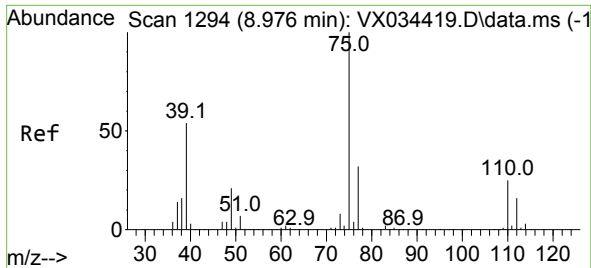
Tgt Ion: 43 Resp: 213450
Ion Ratio Lower Upper
43 100
58 7.5 30.6 46.0#



#52
Toluene
Concen: 0.569 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Tgt Ion: 92 Resp: 4078
Ion Ratio Lower Upper
92 100
91 166.0 136.8 205.2

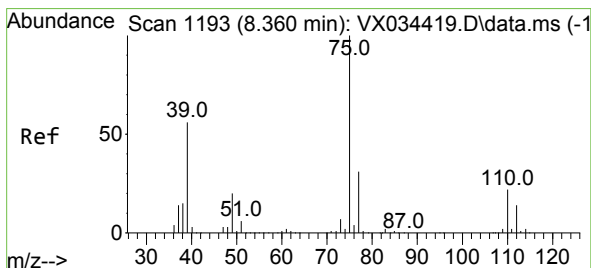
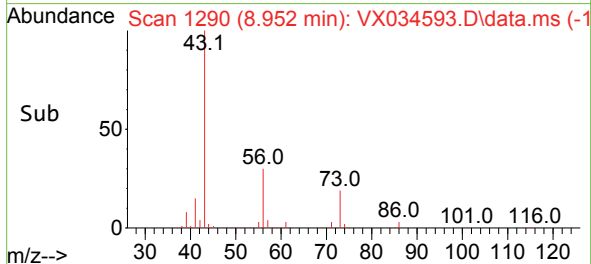
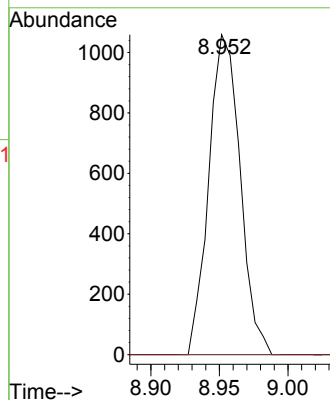
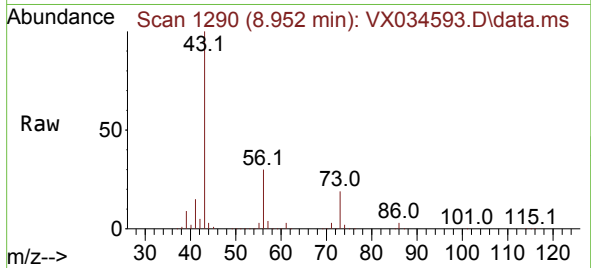




#53
 t-1,3-Dichloropropene
 Concen: 0.376 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034593.D
 Acq: 17 Mar 2023 18:43

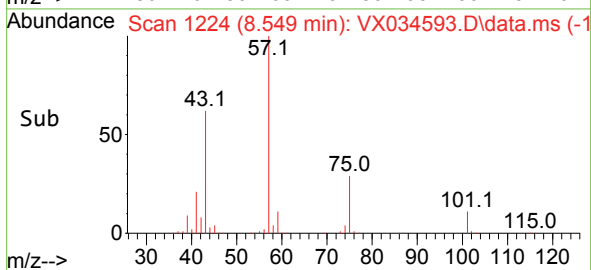
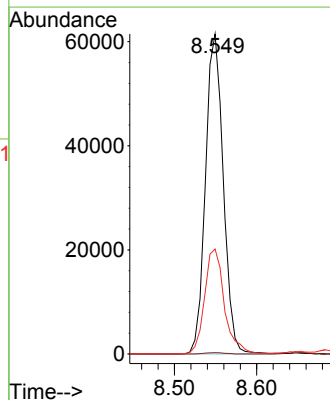
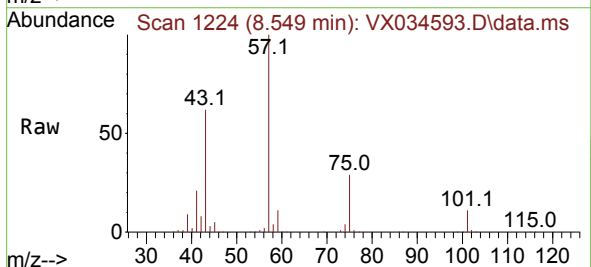
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#14

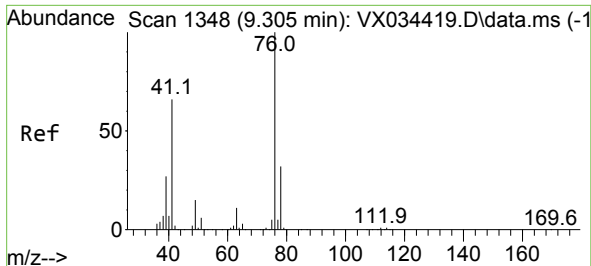
Tgt Ion: 75 Resp: 1686
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 19.069 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034593.D
 Acq: 17 Mar 2023 18:43

Tgt Ion: 75 Resp: 92437
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 32.7 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 2.371 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034593.D

Acq: 17 Mar 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

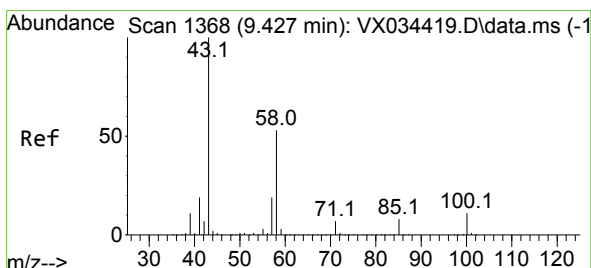
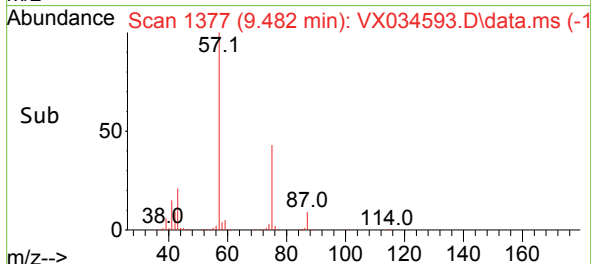
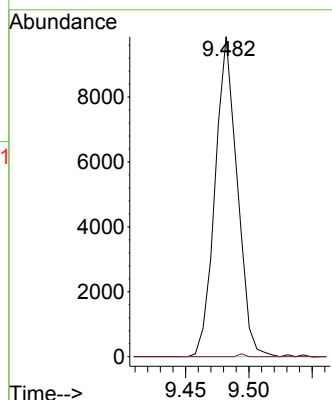
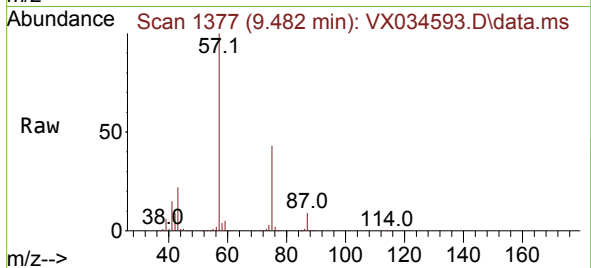
PB151466ZHE#14

Tgt Ion: 76 Resp: 11984

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.8#



#59

2-Hexanone

Concen: 53.498 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034593.D

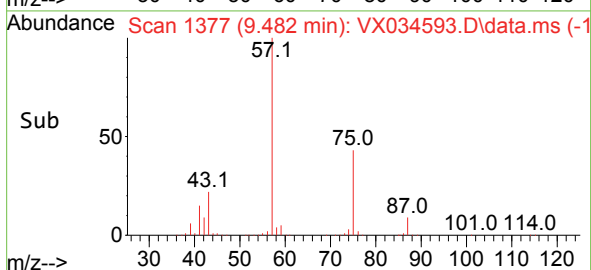
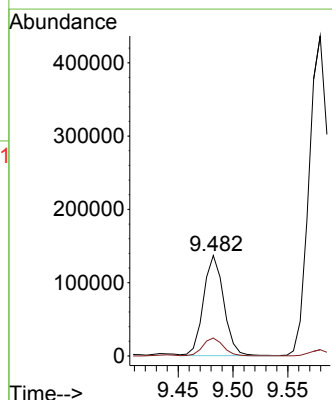
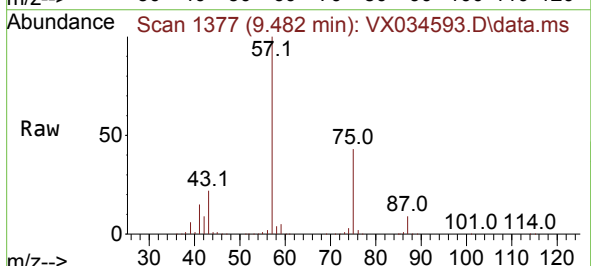
Acq: 17 Mar 2023 18:43

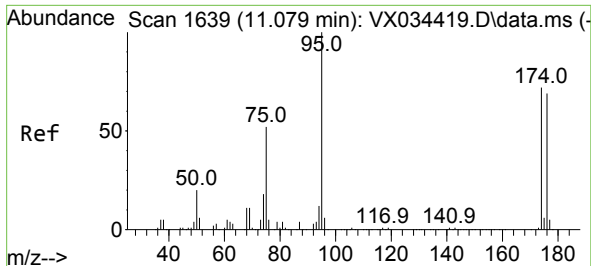
Tgt Ion: 43 Resp: 175697

Ion Ratio Lower Upper

43 100

58 18.3 26.3 78.9#

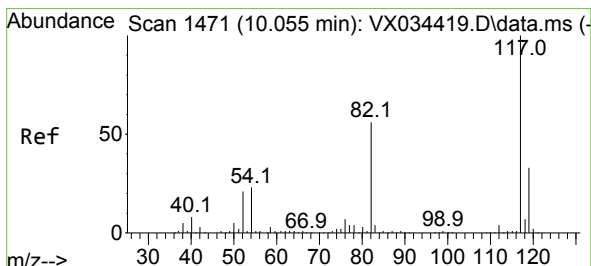
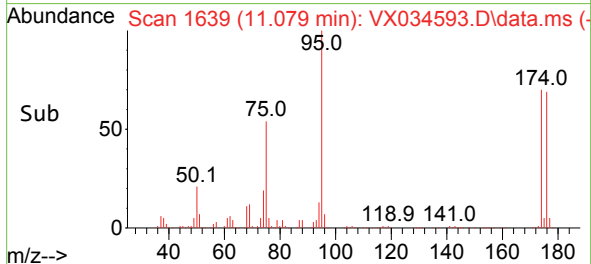
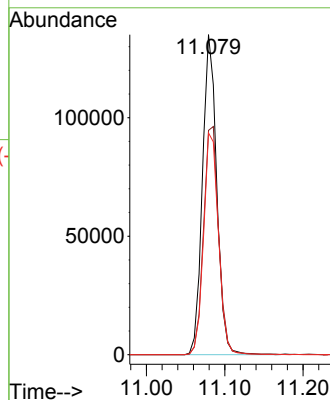
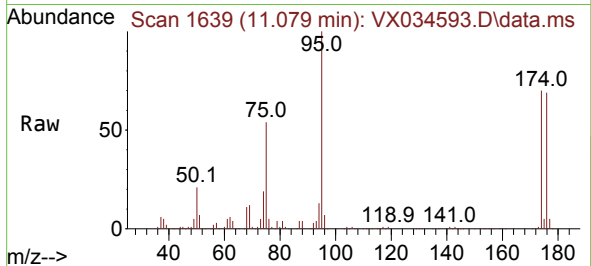




#62
4-Bromofluorobenzene
Concen: 43.971 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

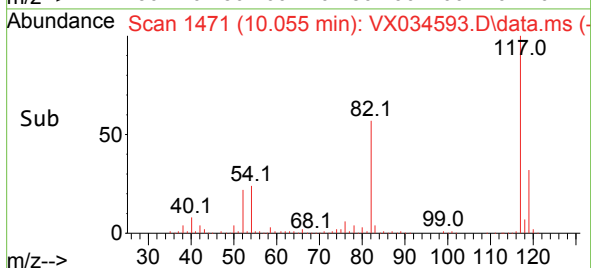
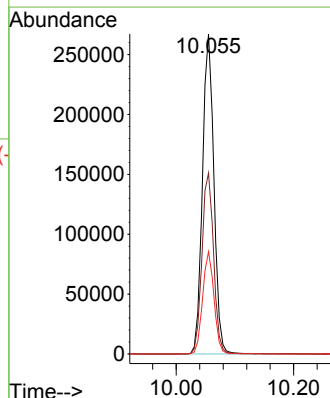
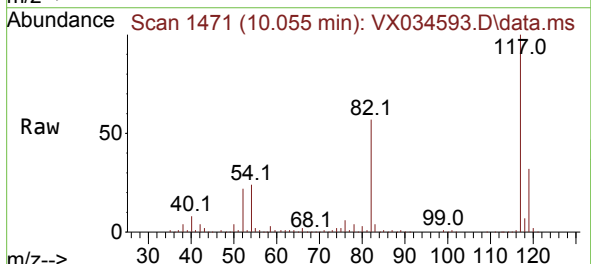
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

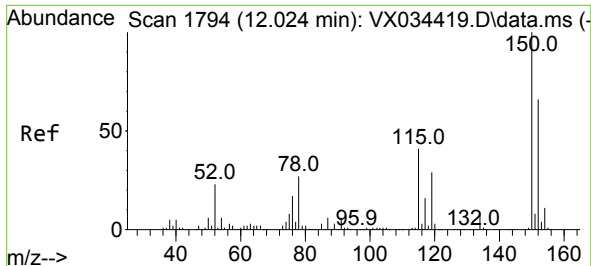
Tgt Ion: 95 Resp: 170825
Ion Ratio Lower Upper
95 100
174 75.7 0.0 147.4
176 72.3 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Tgt Ion: 117 Resp: 361172
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.4
119 32.0 26.0 39.0

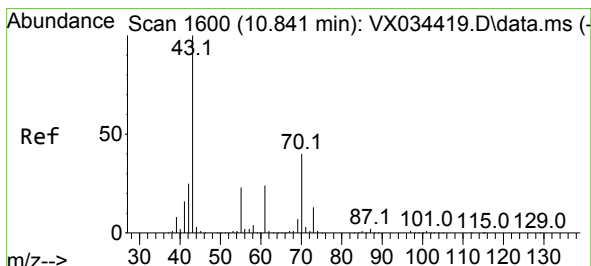
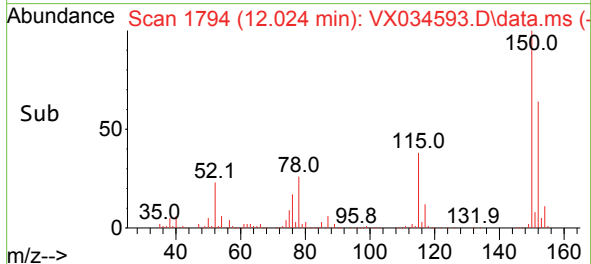
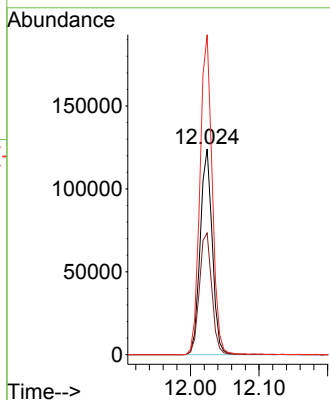
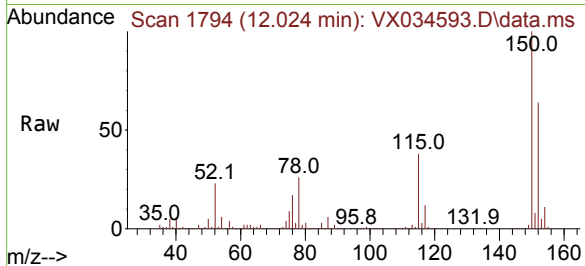




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034593.D
 Acq: 17 Mar 2023 18:43

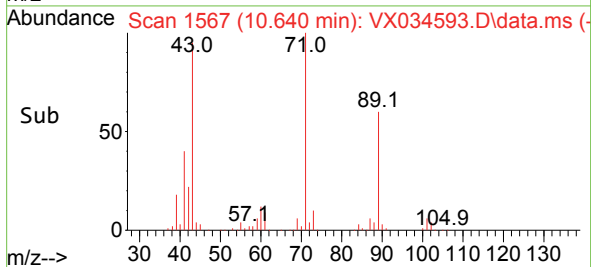
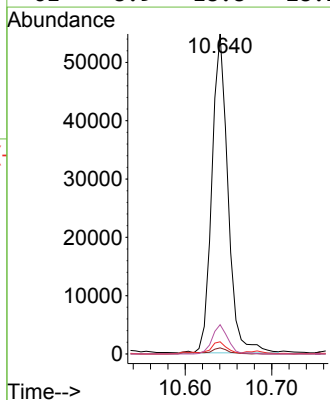
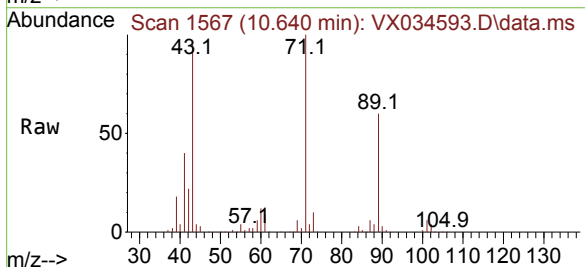
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#14

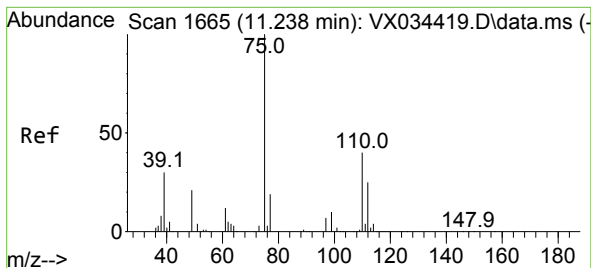
Tgt Ion:152 Resp: 152772
 Ion Ratio Lower Upper
 152 100
 115 60.9 45.0 135.0
 150 157.2 0.0 352.4



#74
 N-ethyl acetate
 Concen: 12.481 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX034593.D
 Acq: 17 Mar 2023 18:43

Tgt Ion: 43 Resp: 70586
 Ion Ratio Lower Upper
 43 100
 70 2.4 32.1 48.1#
 55 3.8 18.3 27.5#
 61 8.9 18.8 28.2#

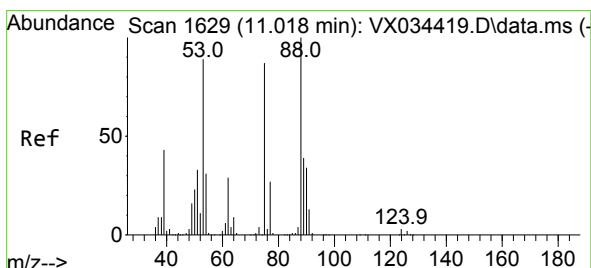
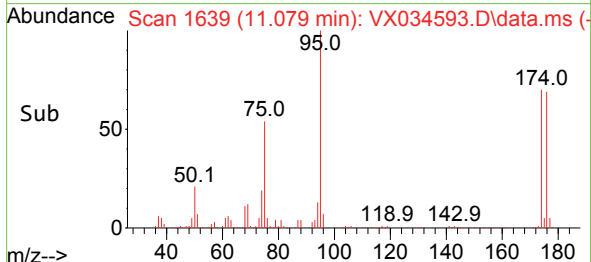
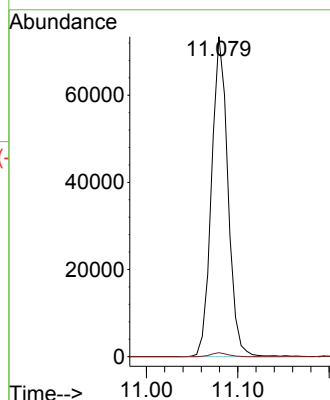
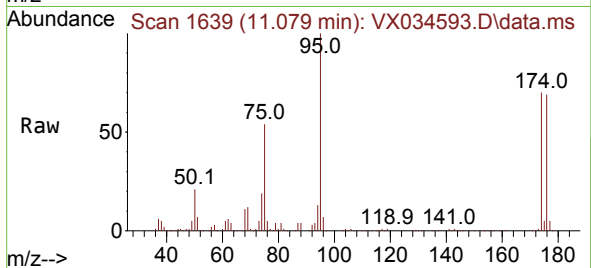




#76
1,2,3-Trichloropropane
Concen: 26.139 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#14

Tgt Ion: 75 Resp: 91692
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034593.D
Acq: 17 Mar 2023 18:43

Tgt Ion: 75 Resp: 91692
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

