

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034540.D
 Acq On : 16 Mar 2023 13:03
 Operator : JC/MD
 Sample : PB151426ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#02

Quant Time: Mar 17 06:23:50 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)

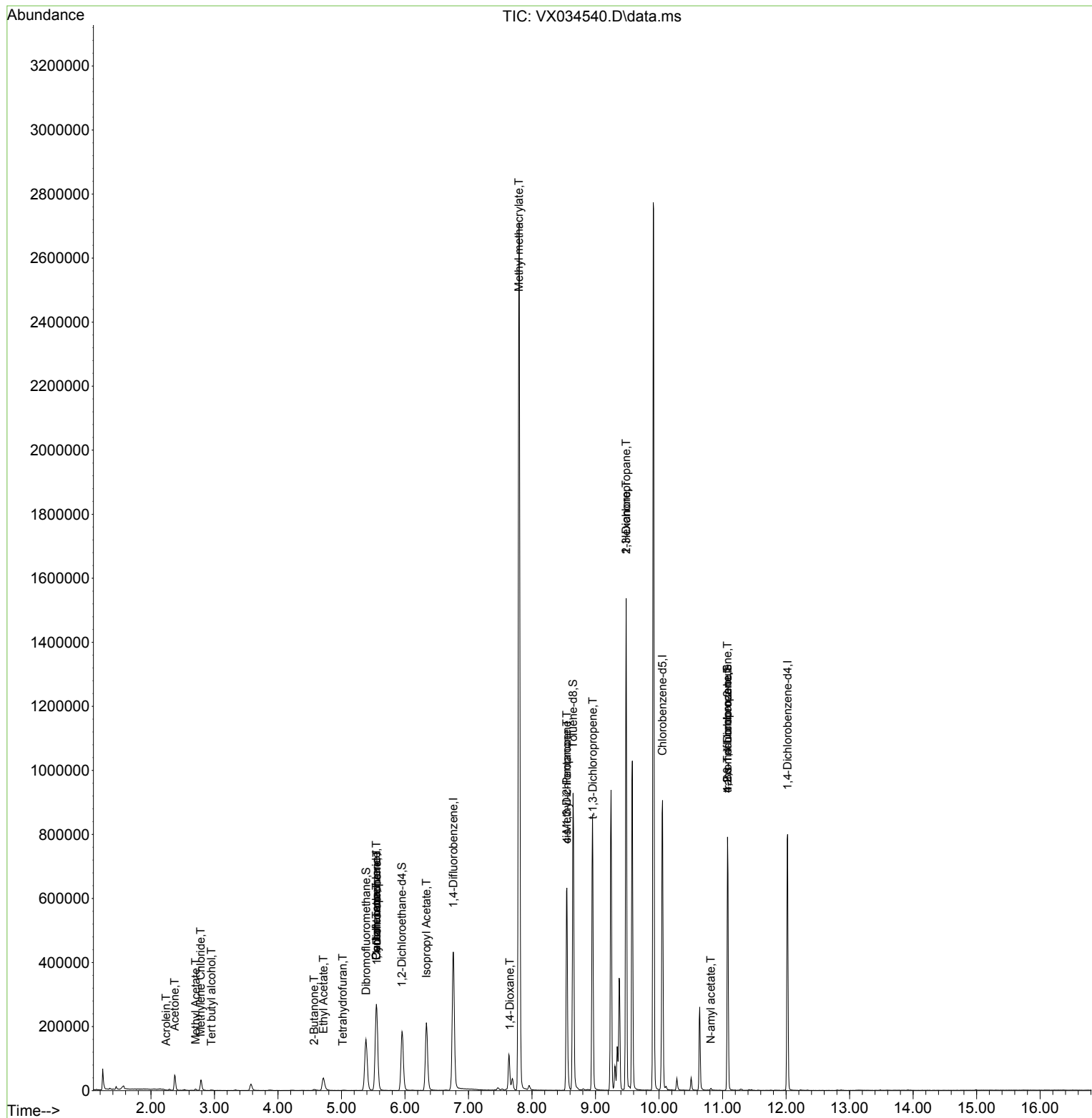
Internal Standards						
1) Pentafluorobenzene	5.550	168	253218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	434080	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	390565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	173766	47.170	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.340%		
35) Dibromofluoromethane	5.385	113	136919	47.774	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	8.647	98	529598	49.500	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	201426	46.610	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.220%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	460	Below Cal	#	71
11) Tert butyl alcohol	2.953	59	1659	2.163	ug/l #	73
13) Acrolein	2.239	56	167	0.275	ug/l	97
16) Acetone	2.373	43	50969	29.373	ug/l	98
18) Methyl Acetate	2.703	43	5277	0.931	ug/l	98
20) Methylene Chloride	2.782	84	14349	4.261	ug/l	93
25) 2-Butanone	4.568	43	6757	2.721	ug/l #	83
29) Tetrahydrofuran	5.019	42	372	0.243	ug/l #	74
31) Cyclohexane	5.550	56	5943	1.150	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	20803	4.726	ug/l #	51
37) Ethyl Acetate	4.715	43	70532	14.667	ug/l	99
38) Carbon Tetrachloride	5.550	117	26122	5.965	ug/l #	15
43) Isopropyl Acetate	6.336	43	291721	35.808	ug/l	100
48) Methyl methacrylate	7.793	41	246294	62.859	ug/l #	47
49) 1,4-Dioxane	7.653	88	30	0.365	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	230509	48.774	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	1864	0.374	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	98491	18.265	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	12454	2.215	ug/l #	42
59) 2-Hexanone	9.482	43	181668	49.727	ug/l #	51
74) N-amyl acetate	10.817	43	2385	0.390	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	109719	28.947	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	109719	78.311	ug/l #	8

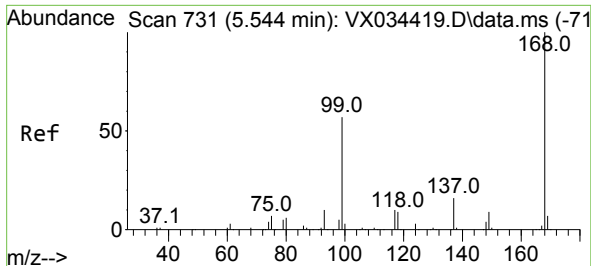
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Mar 17 06:23:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

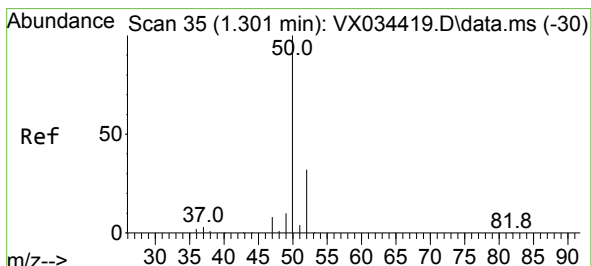
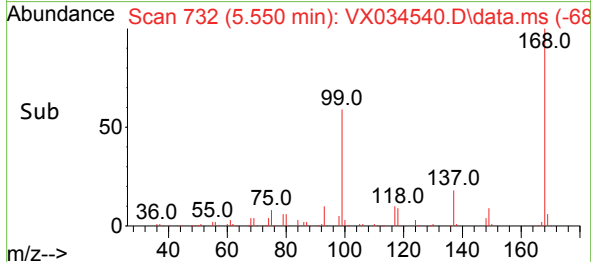
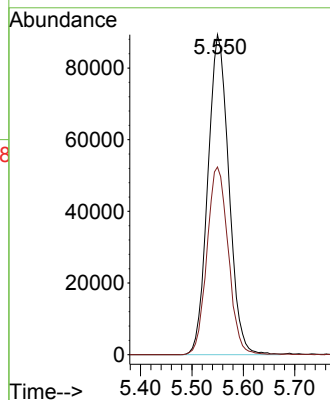
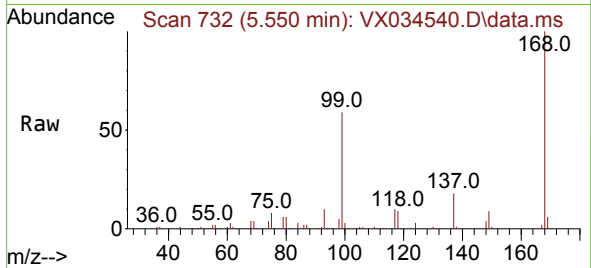




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

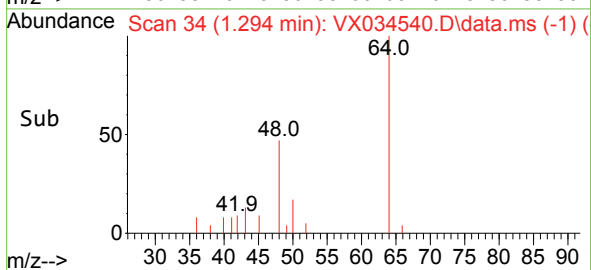
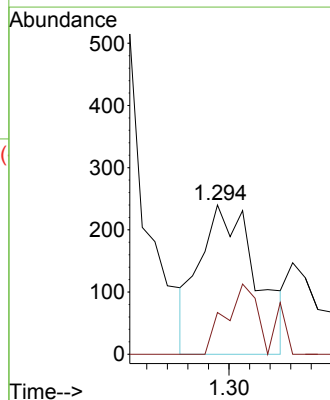
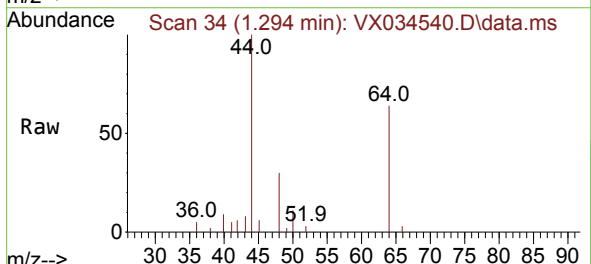
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#02

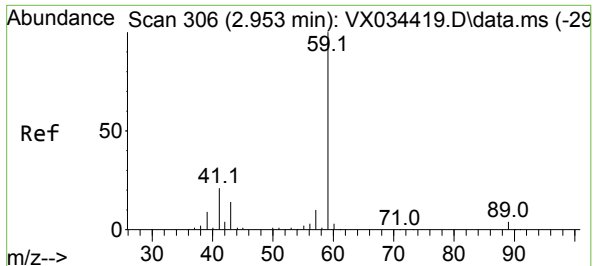
Tgt Ion:168 Resp: 253218
Ion Ratio Lower Upper
168 100
99 58.6 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

Tgt Ion: 50 Resp: 460
Ion Ratio Lower Upper
50 100
52 48.6 25.9 38.9#

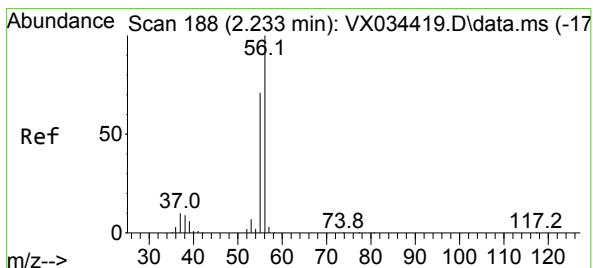
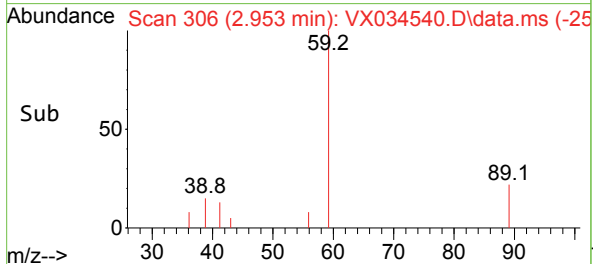
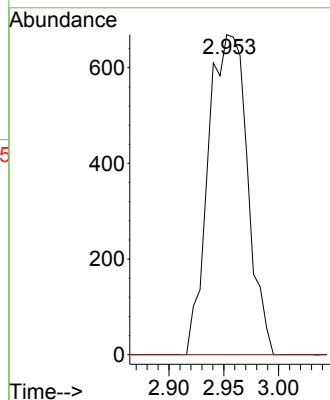
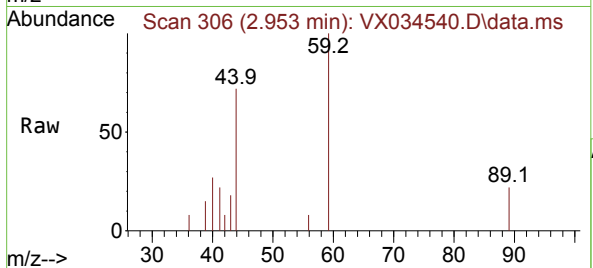




#11
Tert butyl alcohol
Concen: 2.163 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

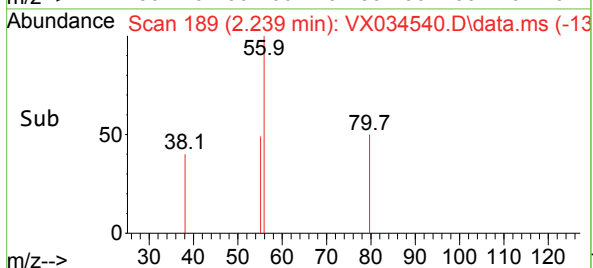
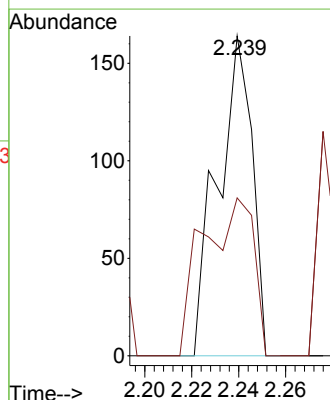
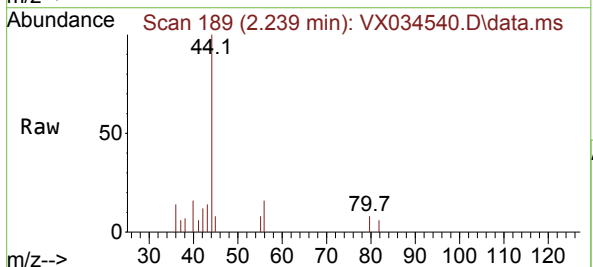
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#02

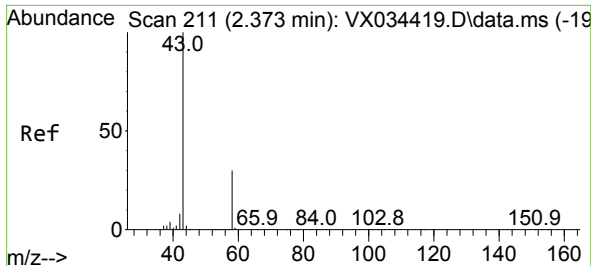
Tgt Ion: 59 Resp: 1659
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.275 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 73.1 56.6 85.0

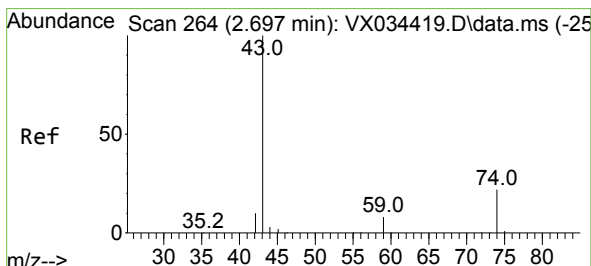
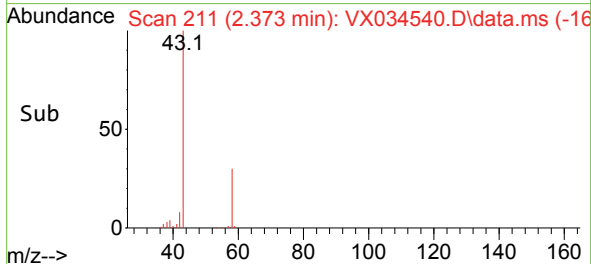
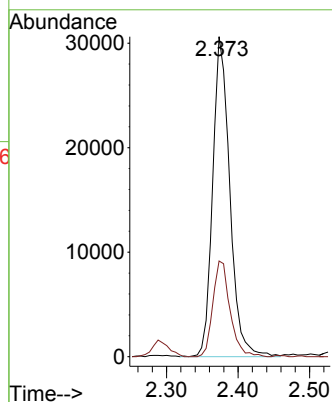
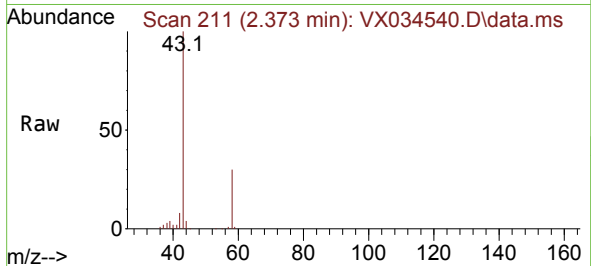




#16
Acetone
Concen: 29.373 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

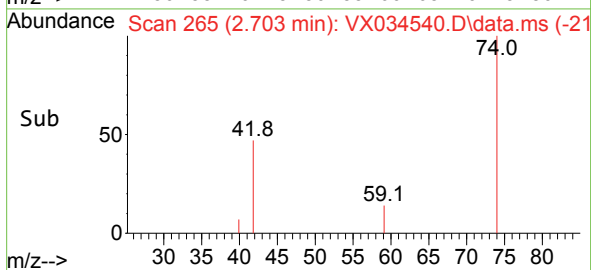
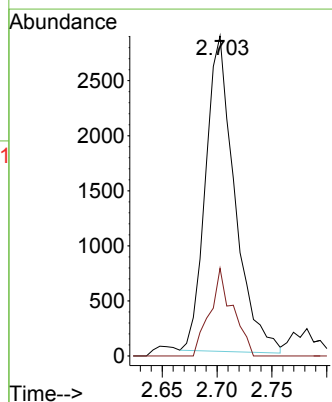
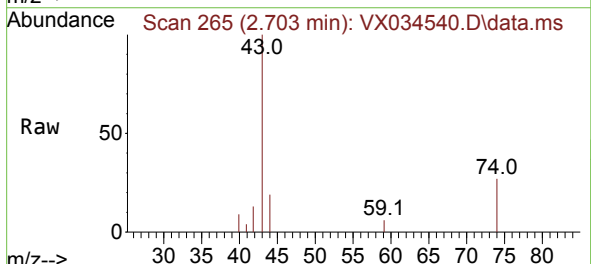
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#02

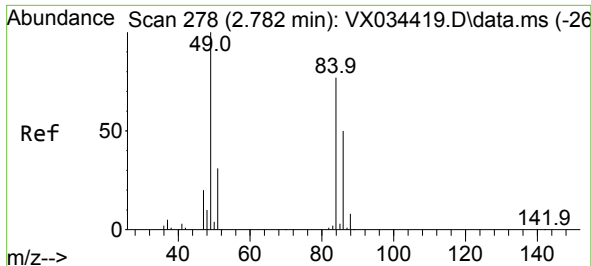
Tgt Ion: 43 Resp: 50969
Ion Ratio Lower Upper
43 100
58 29.6 24.7 37.1



#18
Methyl Acetate
Concen: 0.931 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

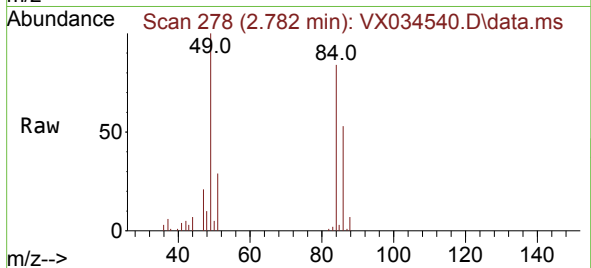
Tgt Ion: 43 Resp: 5277
Ion Ratio Lower Upper
43 100
74 21.8 18.3 27.5



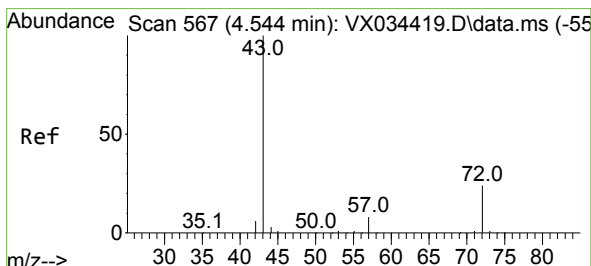
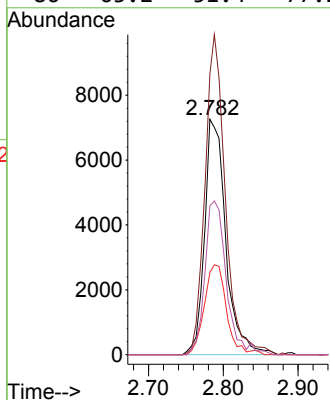
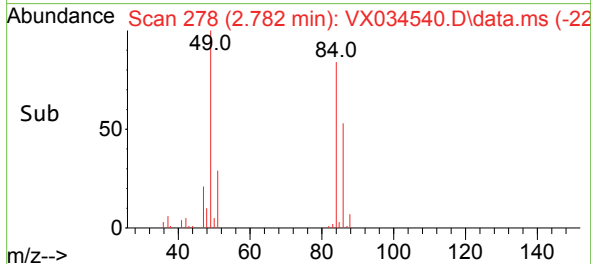


#20
Methylene Chloride
Concen: 4.261 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#02

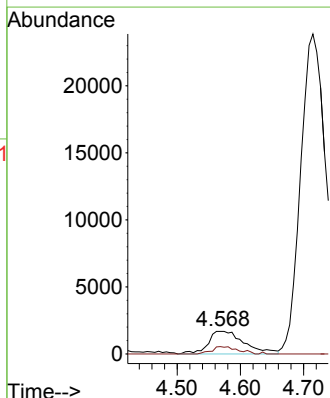
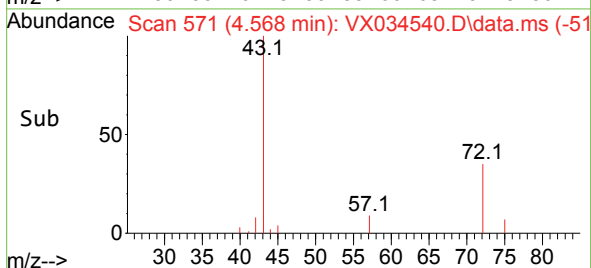
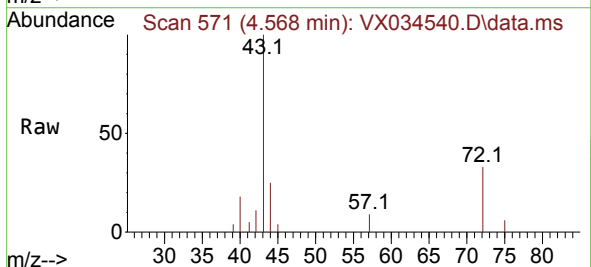


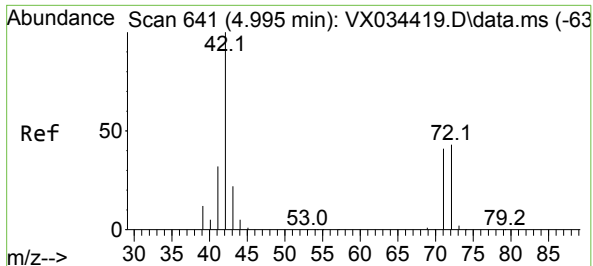
Tgt Ion:	84	Resp:	14349
Ion	Ratio	Lower	Upper
84	100		
49	119.2	103.8	155.8
51	35.0	31.8	47.8
86	63.2	51.4	77.2



#25
2-Butanone
Concen: 2.721 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

Tgt Ion:	43	Resp:	6757
Ion	Ratio	Lower	Upper
43	100		
72	32.6	19.3	28.9#





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX034540.D

Acq: 16 Mar 2023 13:03

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#02

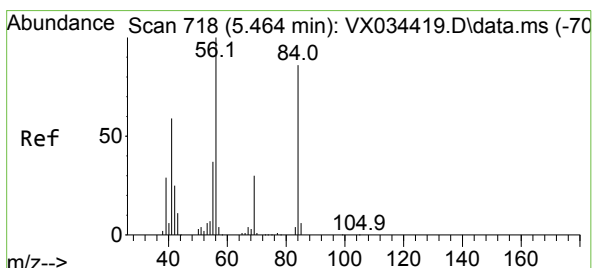
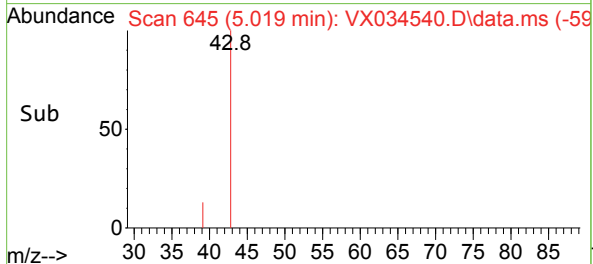
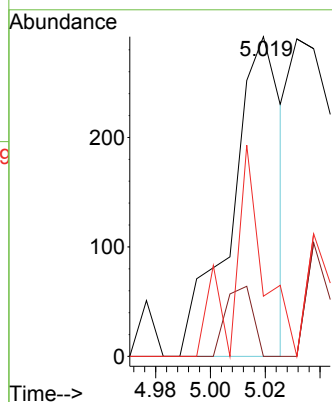
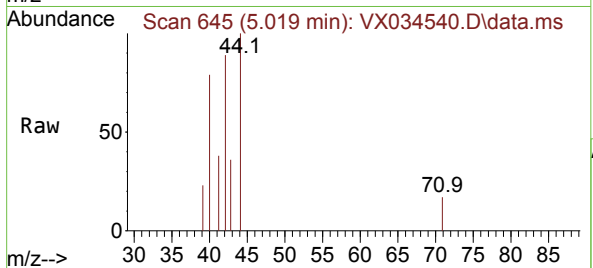
Tgt Ion: 42 Resp: 372

Ion Ratio Lower Upper

42 100

72 11.8 34.5 51.7#

71 39.0 32.1 48.1



#31

Cyclohexane

Concen: 1.150 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034540.D

Acq: 16 Mar 2023 13:03

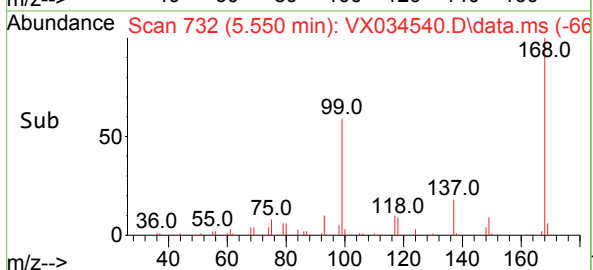
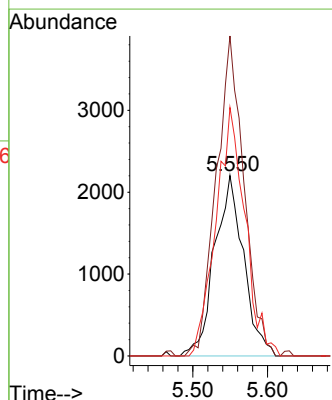
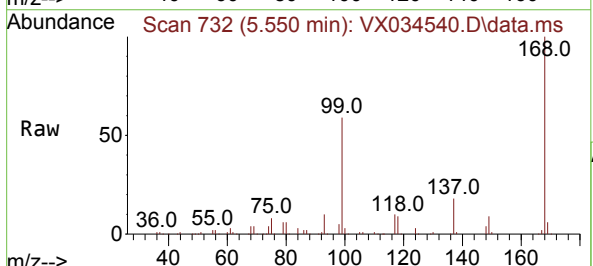
Tgt Ion: 56 Resp: 5943

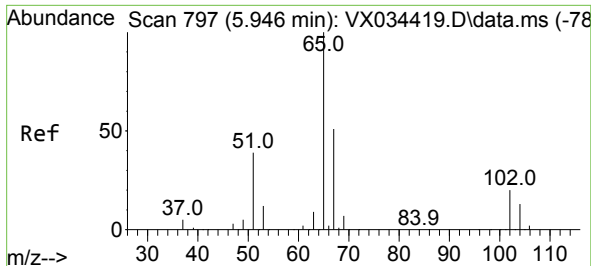
Ion Ratio Lower Upper

56 100

69 177.3 23.7 35.5#

84 137.7 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.170 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX034540.D

Acq: 16 Mar 2023 13:03

Instrument :

MSVOA_X

ClientSampleId :

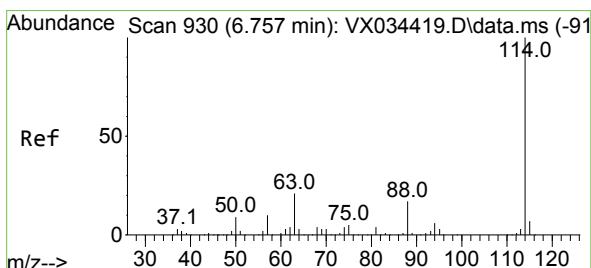
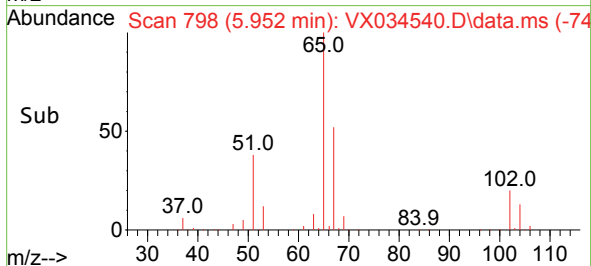
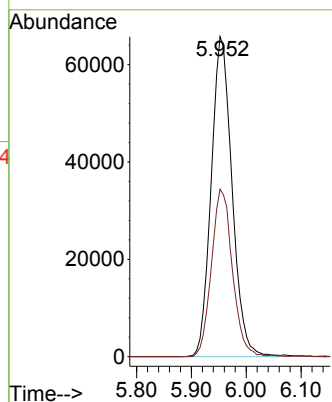
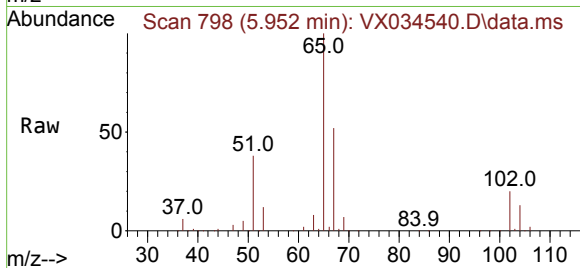
PB151426ZHE#02

Tgt Ion: 65 Resp: 173766

Ion Ratio Lower Upper

65 100

67 52.4 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: VX034540.D

Acq: 16 Mar 2023 13:03

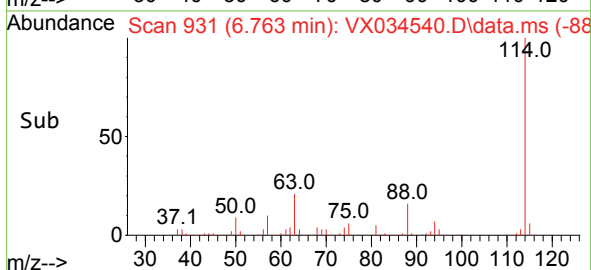
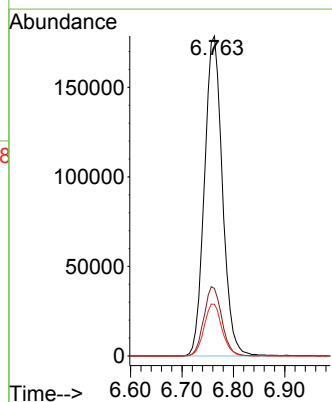
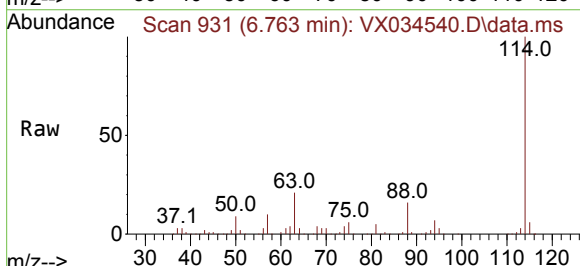
Tgt Ion:114 Resp: 434080

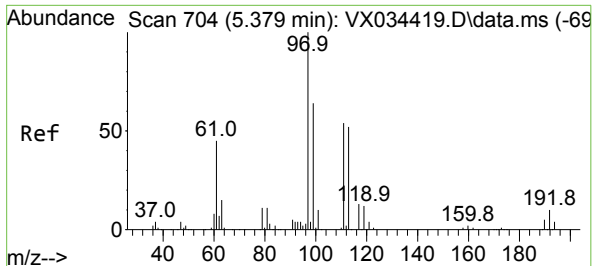
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.2

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.774 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034540.D

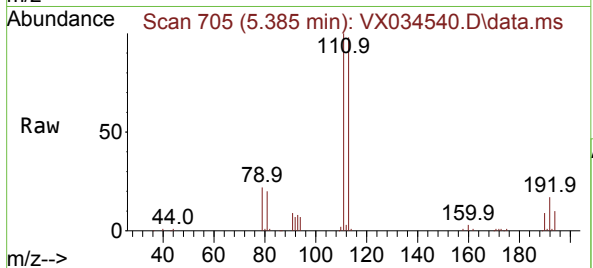
Acq: 16 Mar 2023 13:03

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#02



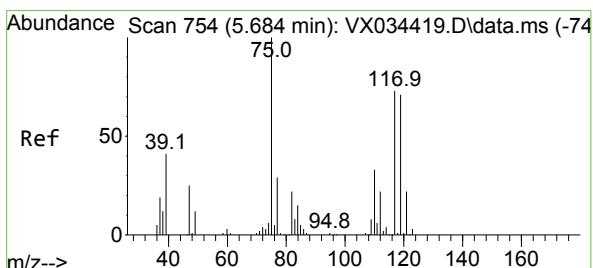
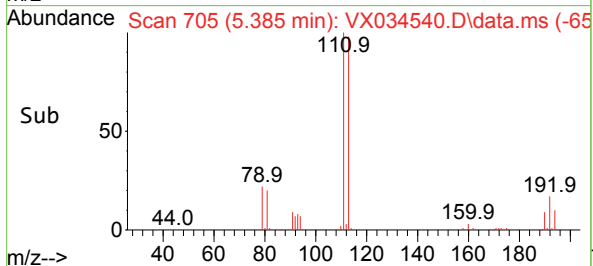
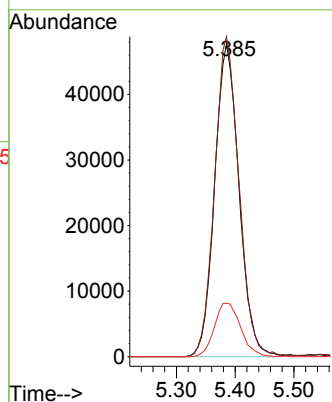
Tgt Ion:113 Resp: 136919

Ion Ratio Lower Upper

113 100

111 102.7 83.7 125.5

192 18.5 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.726 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX034540.D

Acq: 16 Mar 2023 13:03

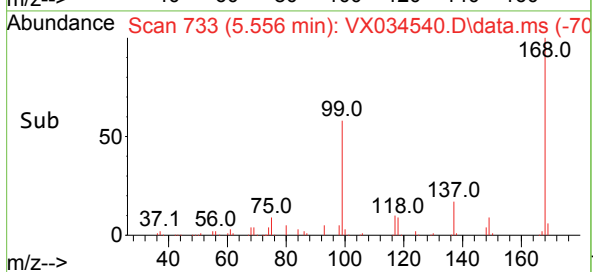
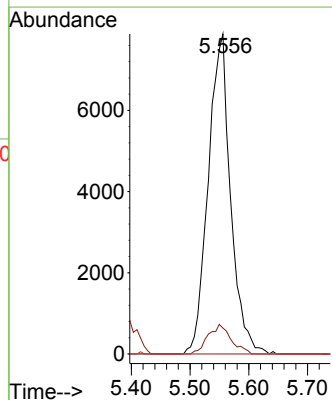
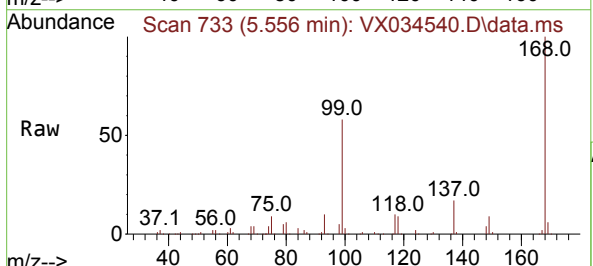
Tgt Ion: 75 Resp: 20803

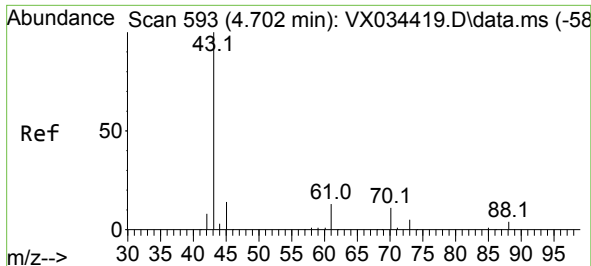
Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 14.667 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.012 min

Lab File: VX034540.D

Acq: 16 Mar 2023 13:03

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#02

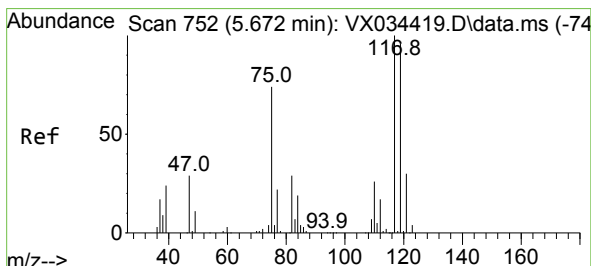
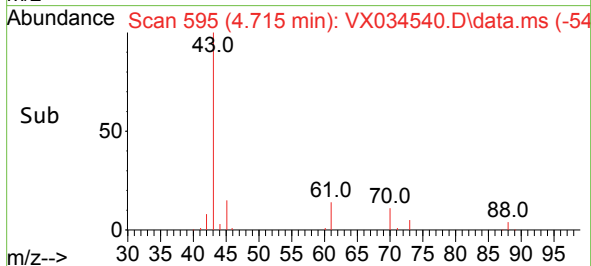
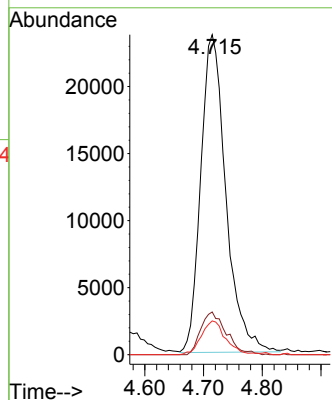
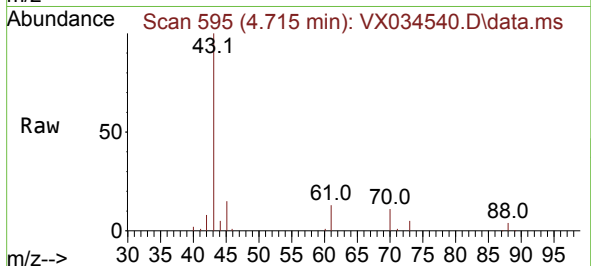
Tgt Ion: 43 Resp: 70532

Ion Ratio Lower Upper

43 100

61 13.6 10.2 15.4

70 10.3 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.965 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034540.D

Acq: 16 Mar 2023 13:03

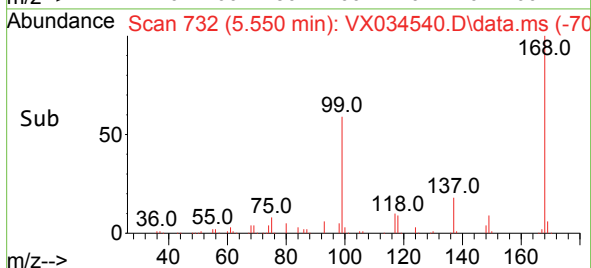
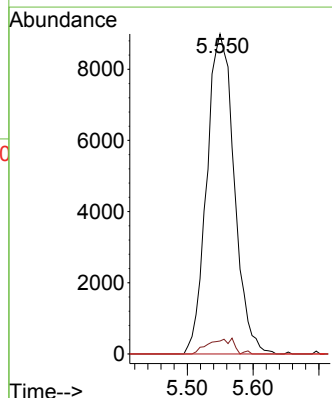
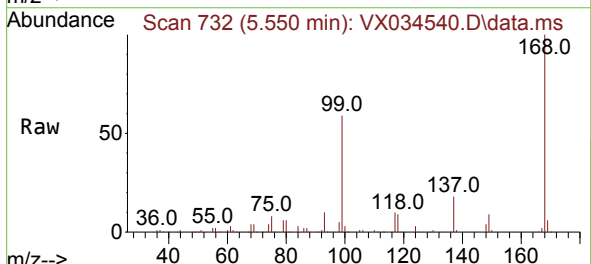
Tgt Ion: 117 Resp: 26122

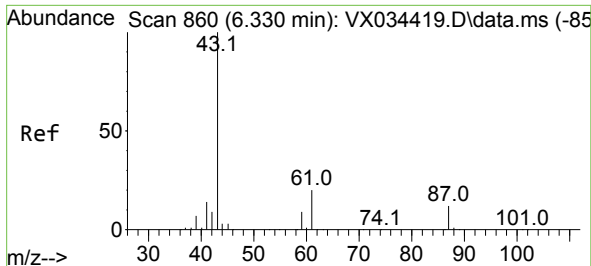
Ion Ratio Lower Upper

117 100

119 4.1 76.6 114.8#

121 0.0 23.8 35.6#

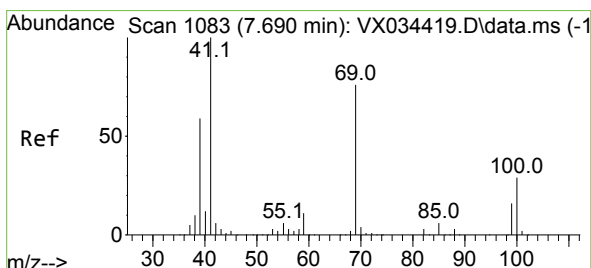
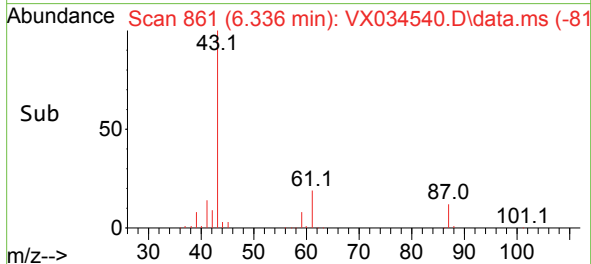
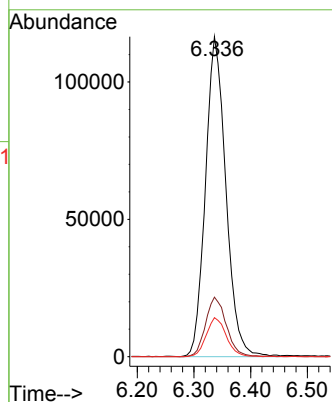
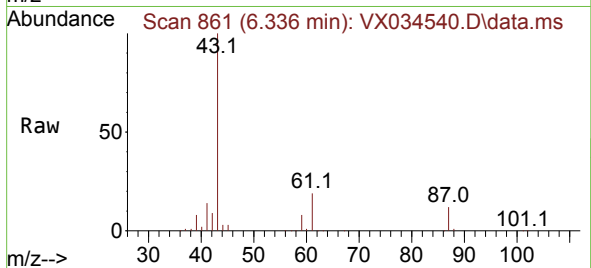




#43
Isopropyl Acetate
Concen: 35.808 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

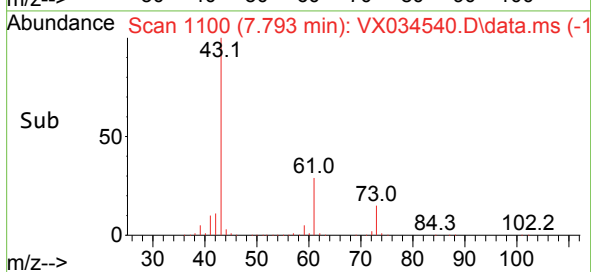
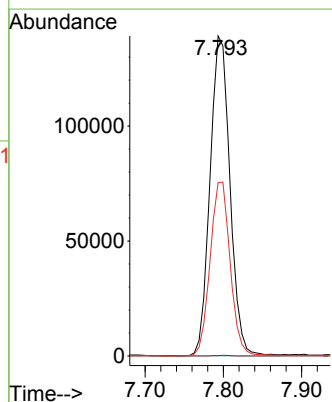
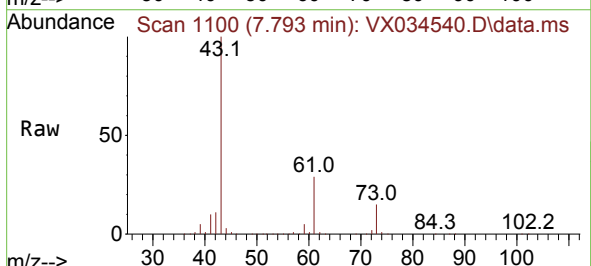
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#02

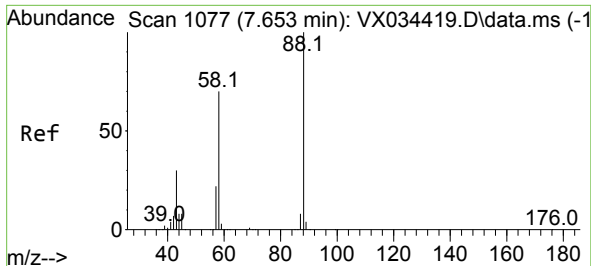
Tgt Ion: 43 Resp: 291721
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.0 9.8 14.8



#48
Methyl methacrylate
Concen: 62.859 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

Tgt Ion: 41 Resp: 246294
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 54.9 47.7 71.5





#49

1,4-Dioxane

Concen: 0.365 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VX034540.D

Acq: 16 Mar 2023 13:03

Instrument :

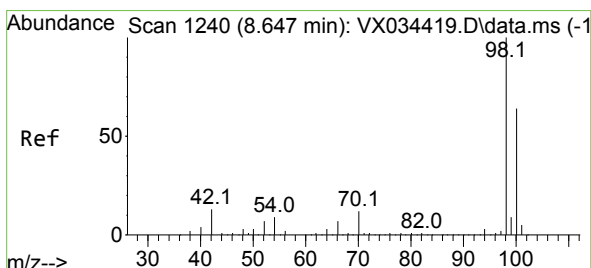
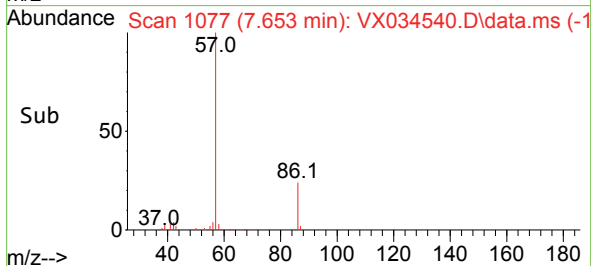
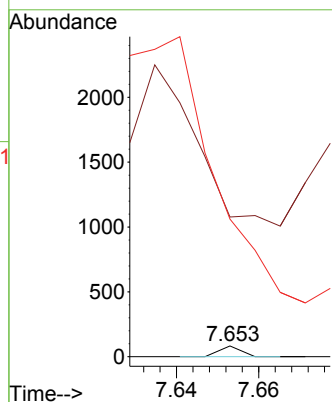
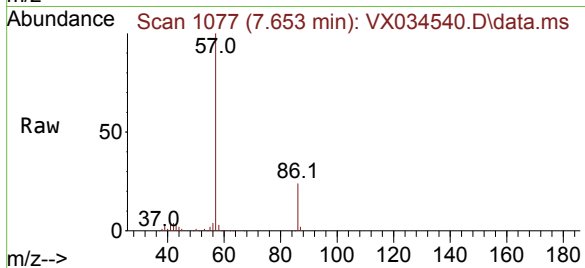
MSVOA_X

ClientSampleId :

PB151426ZHE#02

Tgt Ion: 88 Resp: 30

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	16860.0	56.8	85.2#



#50

Toluene-d8

Concen: 49.500 ug/l

RT: 8.647 min Scan# 1240

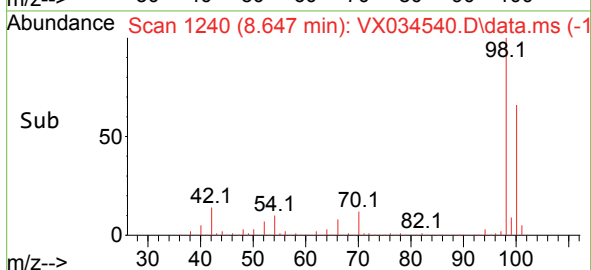
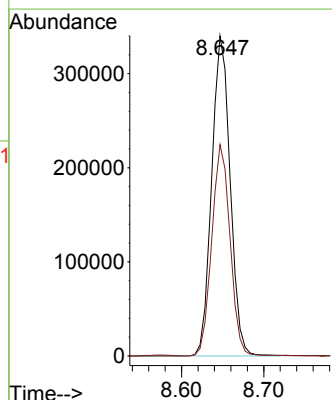
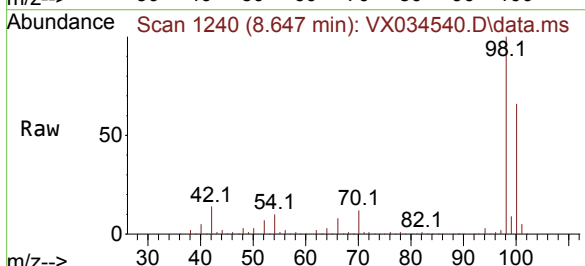
Delta R.T. 0.000 min

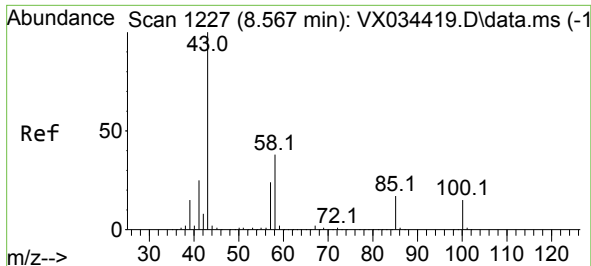
Lab File: VX034540.D

Acq: 16 Mar 2023 13:03

Tgt Ion: 98 Resp: 529598

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7

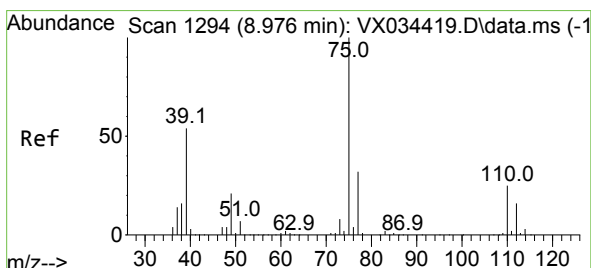
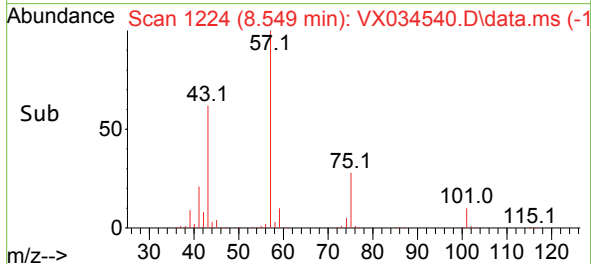
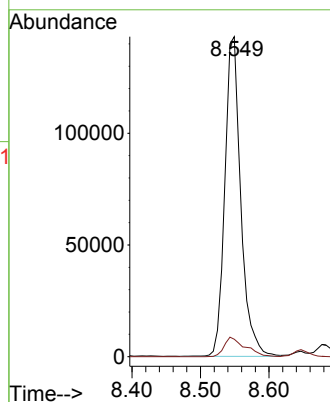
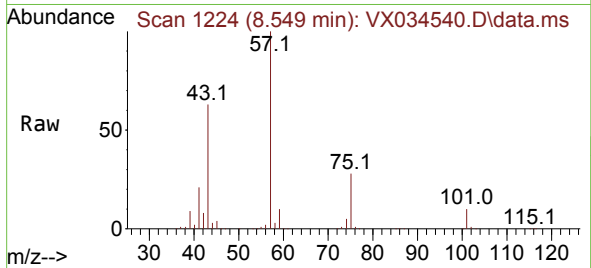




#51
4-Methyl-2-Pentanone
Concen: 48.774 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

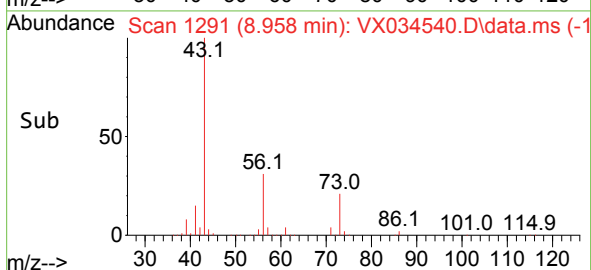
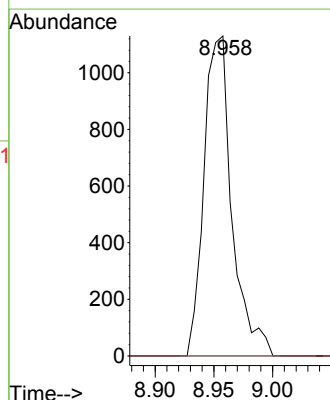
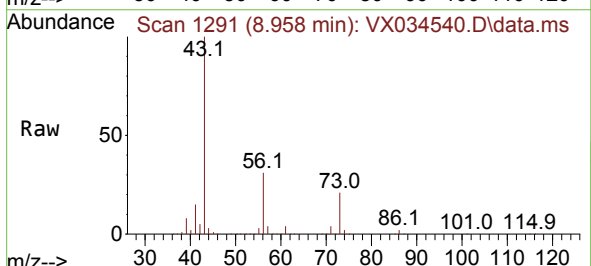
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#02

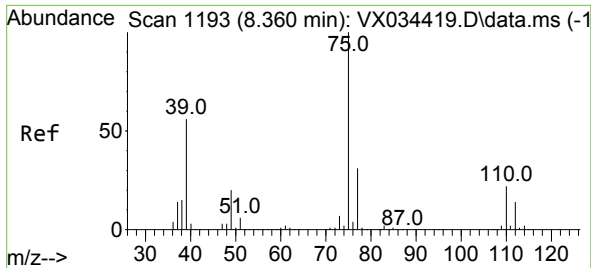
Tgt Ion: 43 Resp: 230509
Ion Ratio Lower Upper
43 100
58 8.0 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.374 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

Tgt Ion: 75 Resp: 1864
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

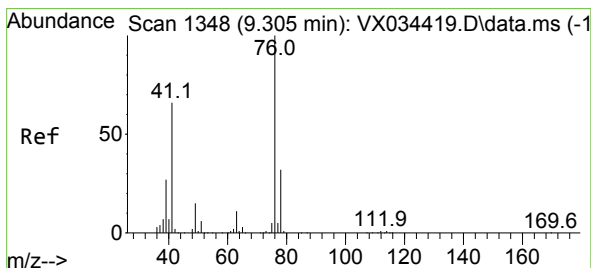
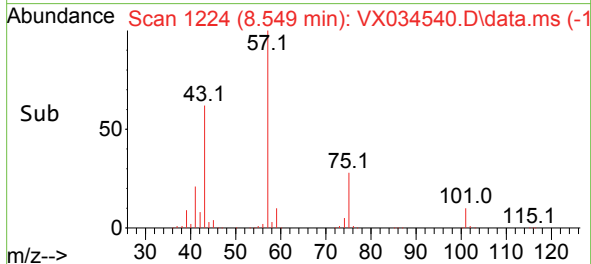
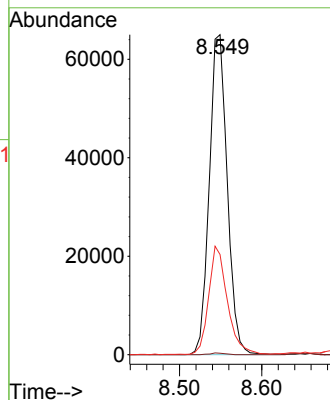
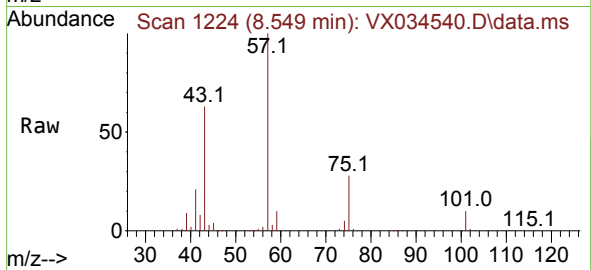




#54
 cis-1,3-Dichloropropene
 Concen: 18.265 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034540.D
 Acq: 16 Mar 2023 13:03

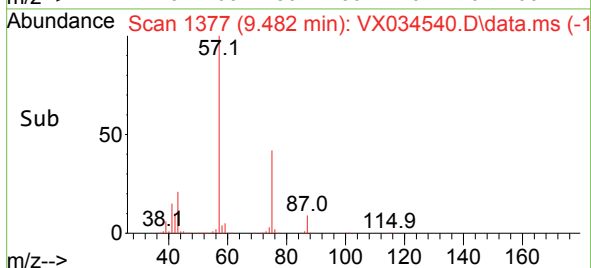
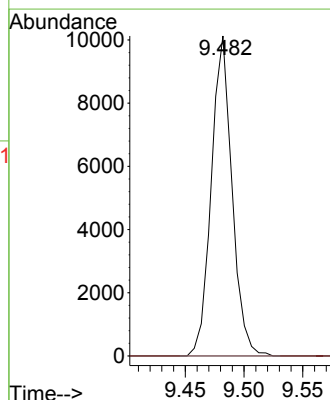
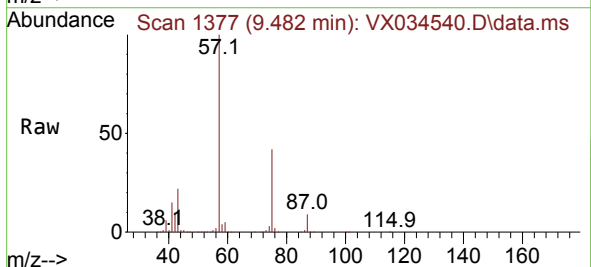
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#02

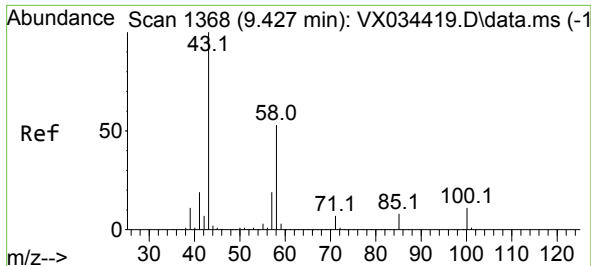
Tgt Ion: 75 Resp: 98491
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 31.2 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.215 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034540.D
 Acq: 16 Mar 2023 13:03

Tgt Ion: 76 Resp: 12454
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

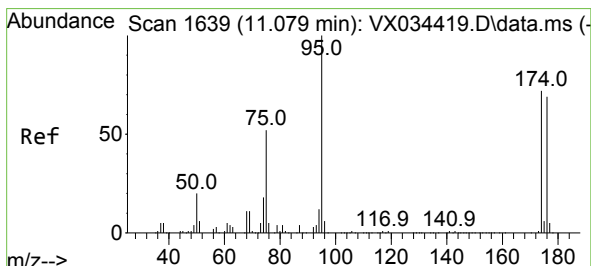
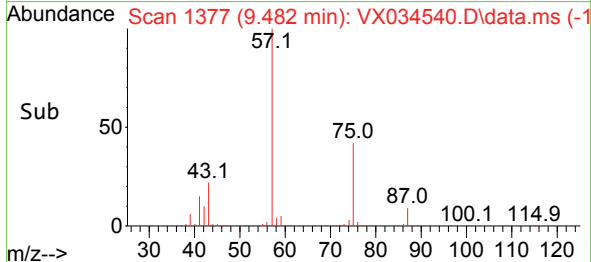
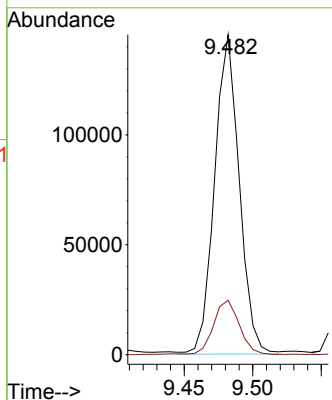
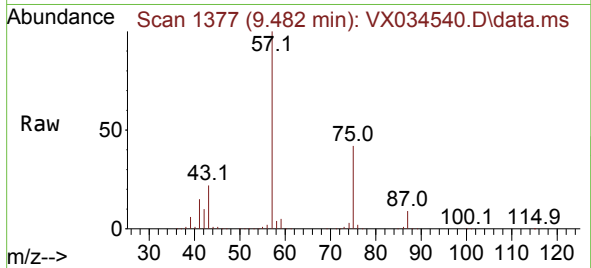




#59
2-Hexanone
Concen: 49.727 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

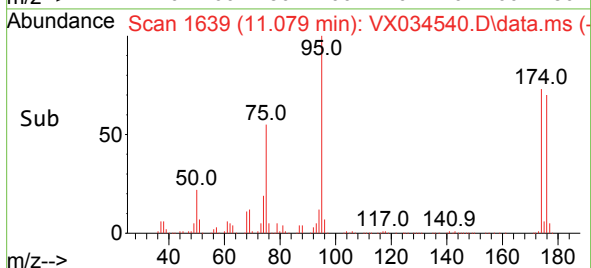
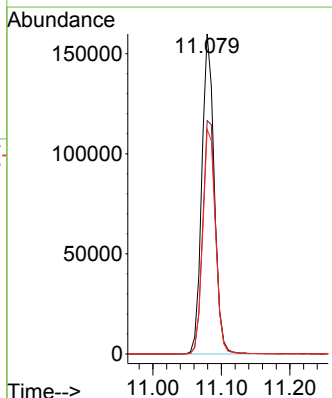
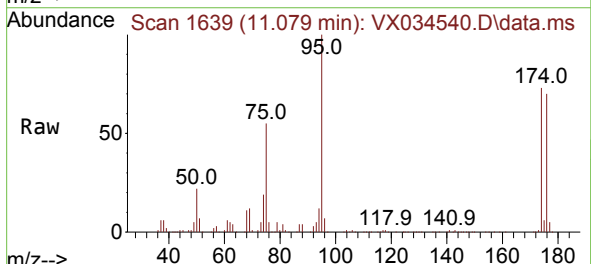
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#02

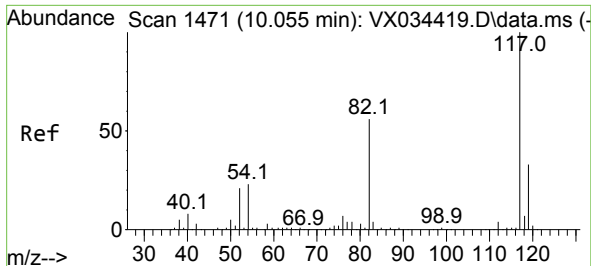
Tgt Ion: 43 Resp: 181668
Ion Ratio Lower Upper
43 100
58 18.1 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 46.610 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

Tgt Ion: 95 Resp: 201426
Ion Ratio Lower Upper
95 100
174 76.5 0.0 147.4
176 72.4 0.0 140.6

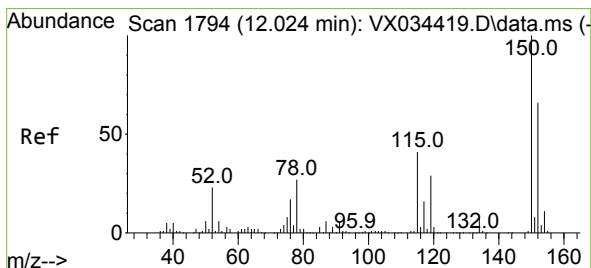
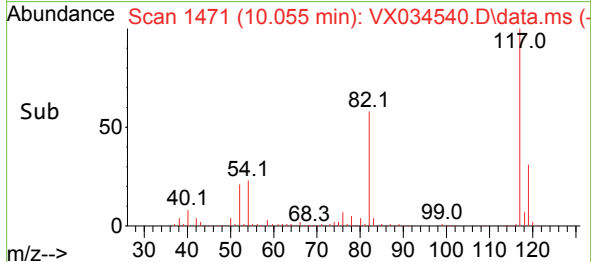
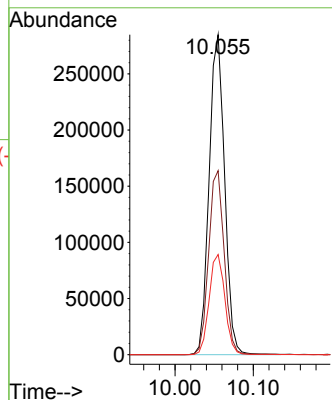
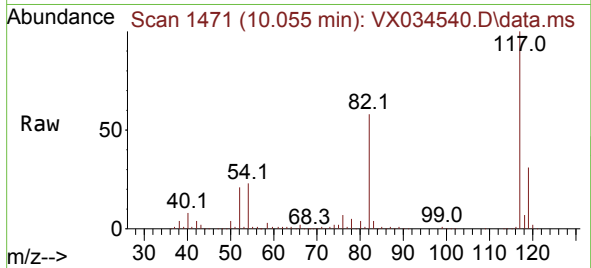




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

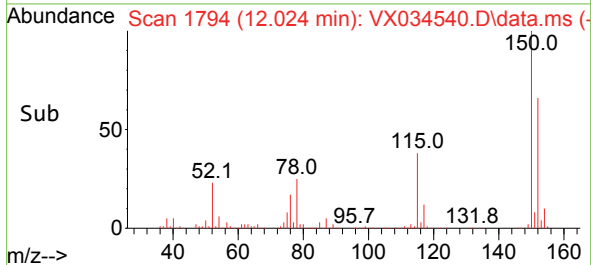
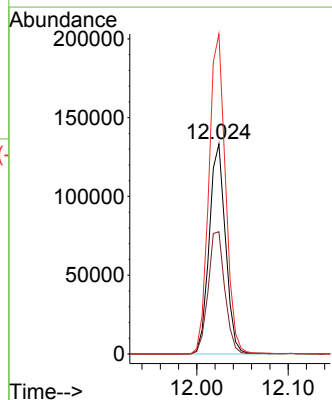
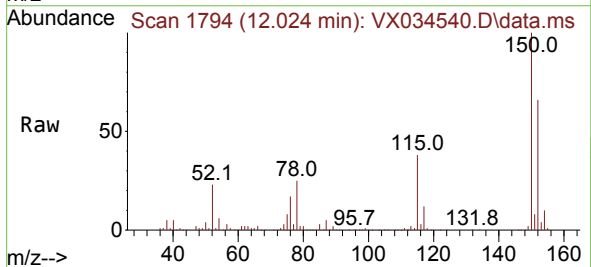
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#02

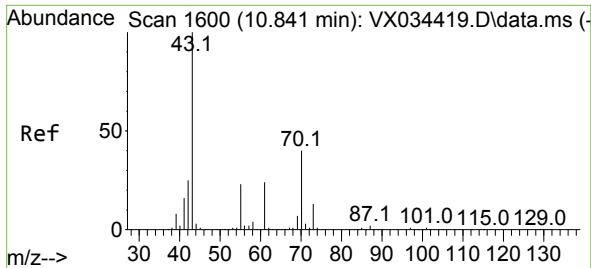
Tgt Ion:117 Resp: 390565
Ion Ratio Lower Upper
117 100
82 57.5 45.0 67.4
119 31.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

Tgt Ion:152 Resp: 165075
Ion Ratio Lower Upper
152 100
115 60.0 45.0 135.0
150 155.6 0.0 352.4

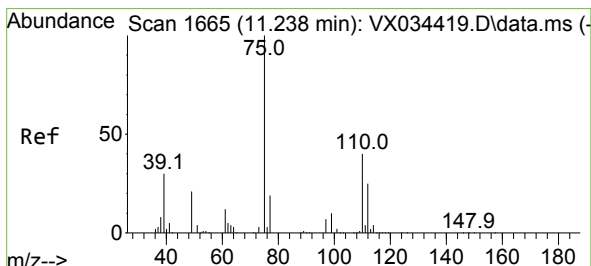
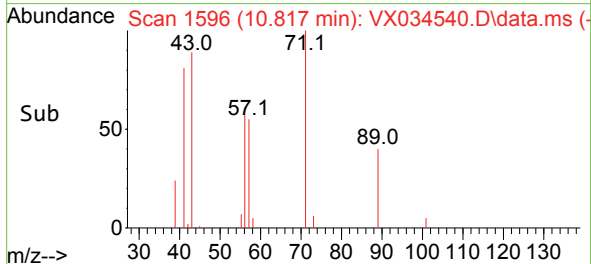
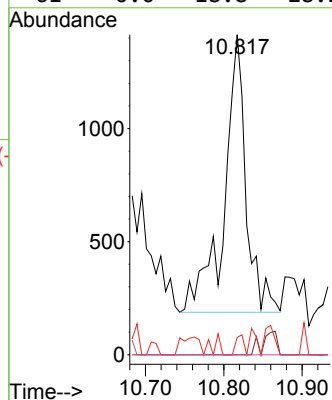
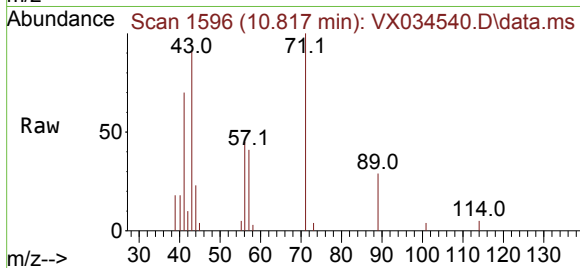




#74
N-amy1 acetate
Concen: 0.390 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

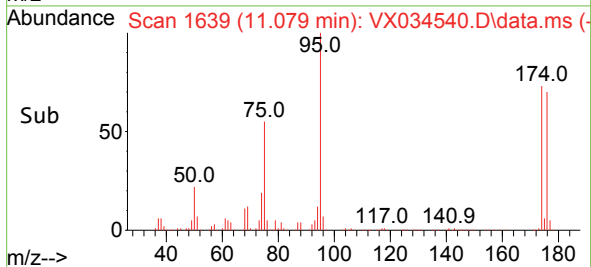
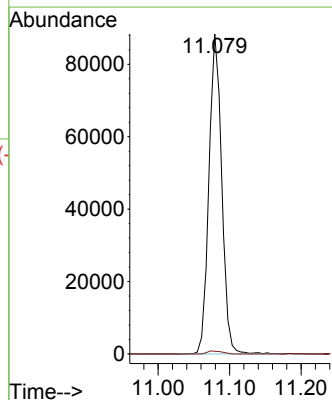
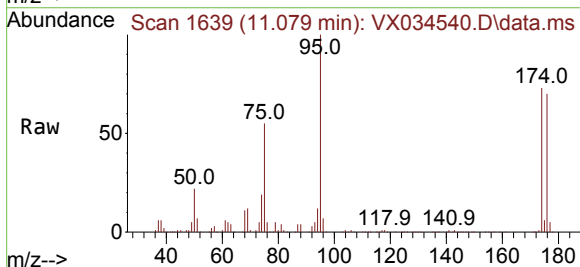
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#02

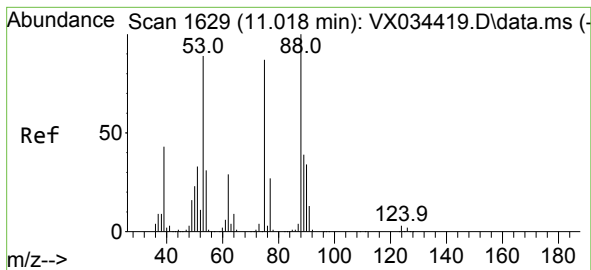
Tgt Ion: 43	Resp: 2385
Ion Ratio	Lower Upper
43 100	
70 0.0	32.1 48.1#
55 0.0	18.3 27.5#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 28.947 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034540.D
Acq: 16 Mar 2023 13:03

Tgt Ion: 75	Resp: 109719
Ion Ratio	Lower Upper
75 100	
77 1.1	21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.311 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034540.D
 Acq: 16 Mar 2023 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#02

Tgt Ion: 75 Resp: 109719
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

