

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034581.D
 Acq On : 17 Mar 2023 13:59
 Operator : JC/MD
 Sample : PB151466ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#02

Quant Time: Mar 20 00:00:35 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

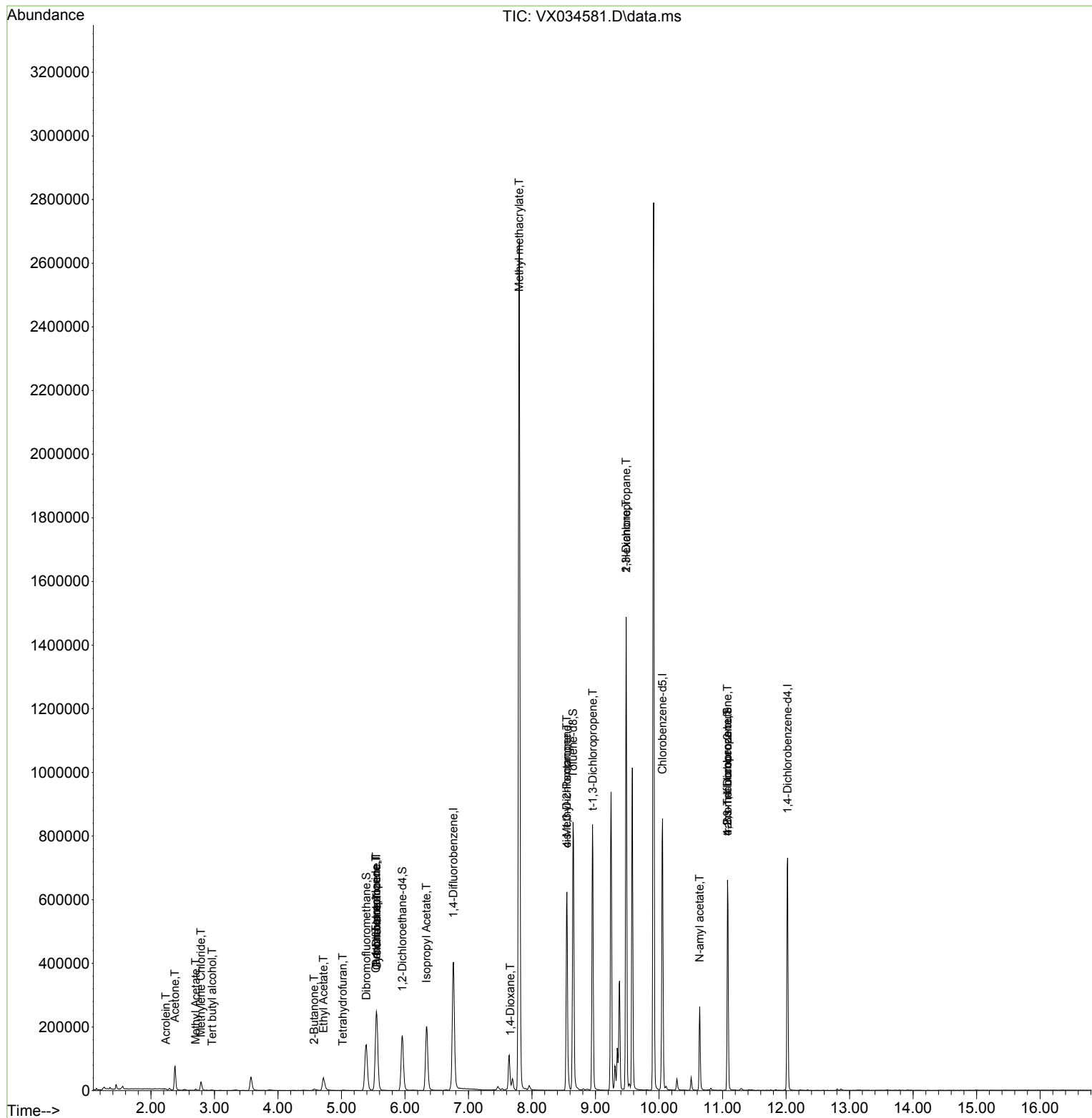
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	232445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	400088	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	355011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163830	48.447	ug/l	0.01
Spiked Amount	50.000	Range 78 - 117	Recovery	=	96.900%	
35) Dibromofluoromethane	5.391	113	125365	47.459	ug/l	0.01
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.920%	
50) Toluene-d8	8.647	98	483318	49.012	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	98.020%	
62) 4-Bromofluorobenzene	11.079	95	170973	42.924	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	85.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	539	Below Cal	#	42
11) Tert butyl alcohol	2.965	59	2055	2.918	ug/l #	73
13) Acrolein	2.233	56	313	0.562	ug/l #	1
16) Acetone	2.380	43	80190	50.342	ug/l	98
18) Methyl Acetate	2.703	43	4377	0.841	ug/l	100
20) Methylene Chloride	2.788	84	11588	3.748	ug/l	93
25) 2-Butanone	4.568	43	8525	3.740	ug/l #	87
29) Tetrahydrofuran	5.019	42	609	0.433	ug/l #	58
31) Cyclohexane	5.556	56	5724	1.207	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19328	4.764	ug/l #	51
37) Ethyl Acetate	4.714	43	70082	15.811	ug/l	99
38) Carbon Tetrachloride	5.544	117	23818	5.901	ug/l #	16
43) Isopropyl Acetate	6.336	43	284299	37.862	ug/l	100
48) Methyl methacrylate	7.799	41	236431	65.468	ug/l #	47
49) 1,4-Dioxane	7.659	88	87	1.147	ug/l #	23
51) 4-Methyl-2-Pentanone	8.549	43	226630	52.027	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	1748	0.381	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	96421	19.400	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	12044	2.324	ug/l #	43
59) 2-Hexanone	9.482	43	175514	52.124	ug/l #	52
74) N-amyl acetate	10.640	43	71053	12.711	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	92796	26.763	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	92796	72.403	ug/l #	8

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

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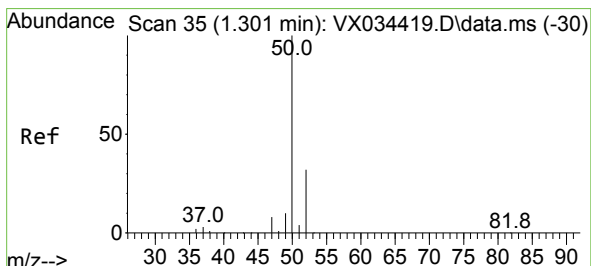
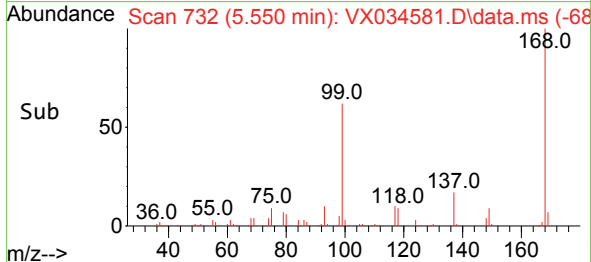
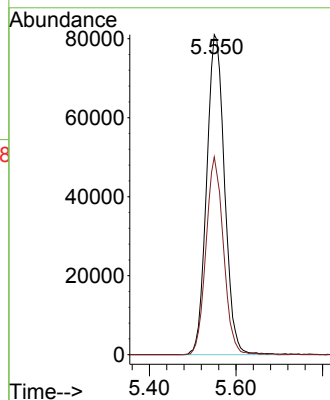
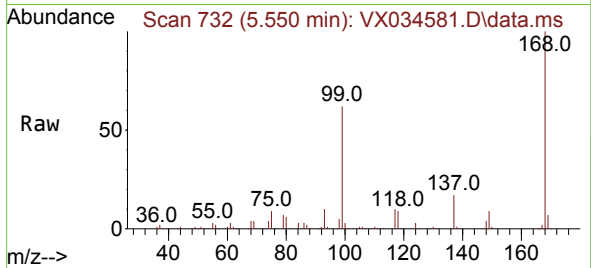




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

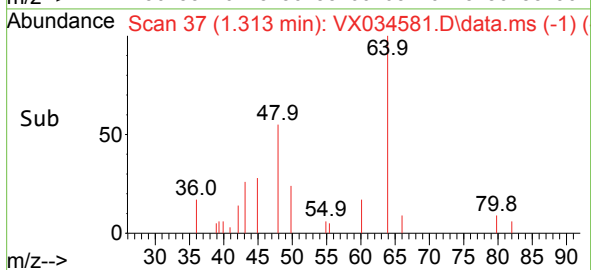
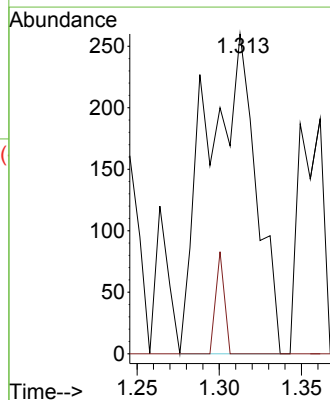
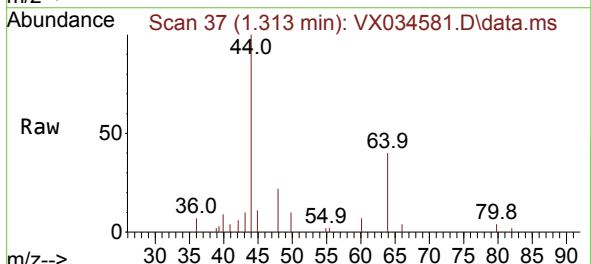
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#02

Tgt Ion:168 Resp: 232445
Ion Ratio Lower Upper
168 100
99 61.8 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion: 50 Resp: 539
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9

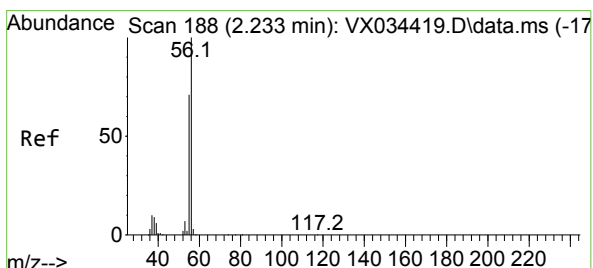
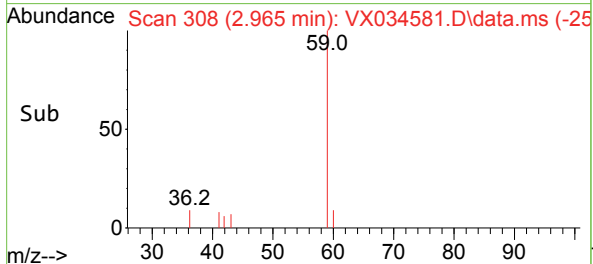
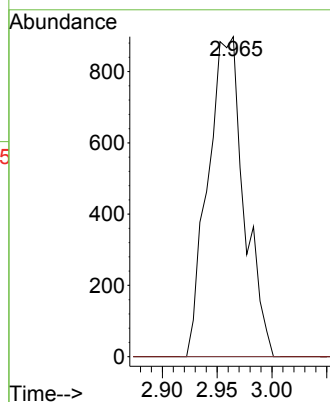
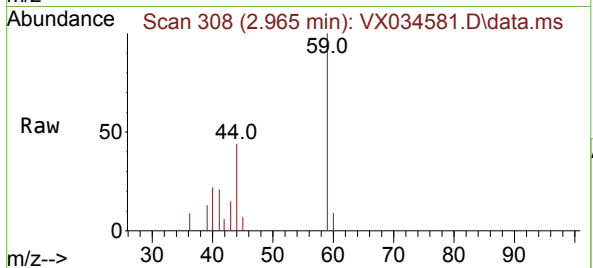




#11
Tert butyl alcohol
Concen: 2.918 ug/l
RT: 2.965 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

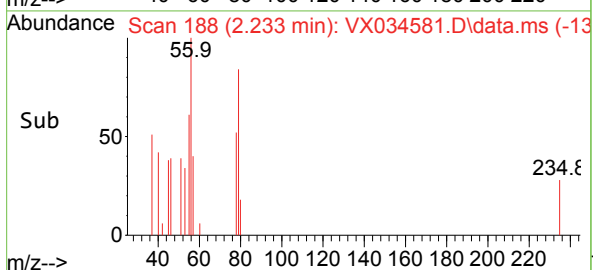
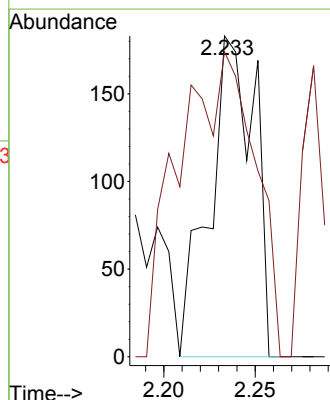
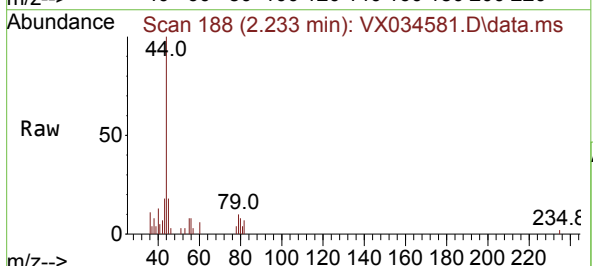
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#02

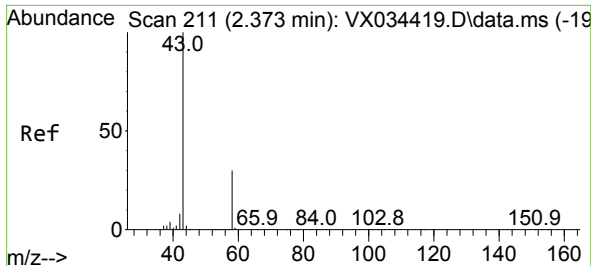
Tgt Ion: 59 Resp: 2055
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.562 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 161.7 56.6 85.0#

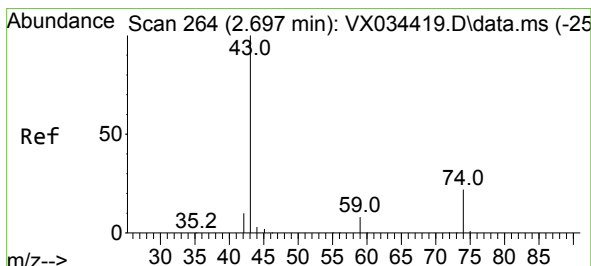
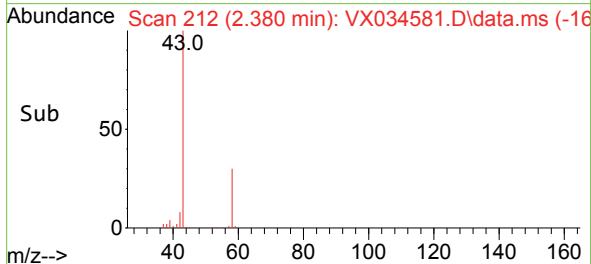
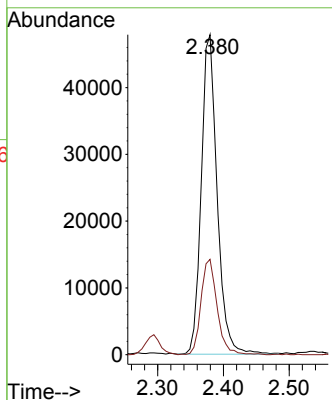
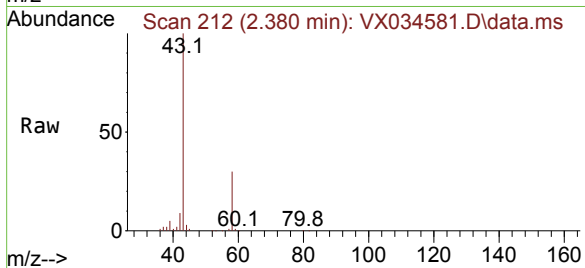




#16
Acetone
Concen: 50.342 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

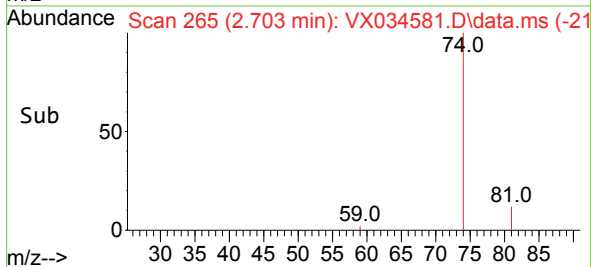
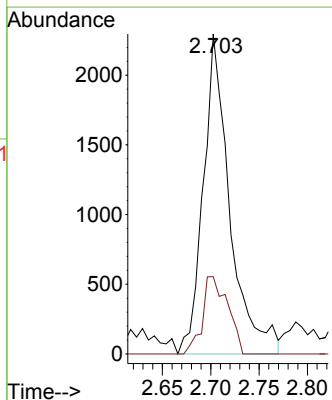
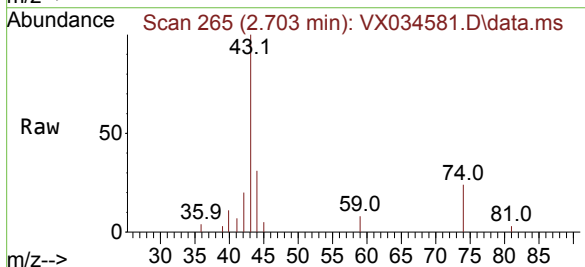
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#02

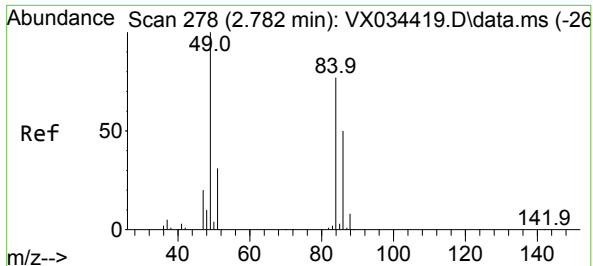
Tgt Ion: 43 Resp: 80190
Ion Ratio Lower Upper
43 100
58 29.9 24.7 37.1



#18
Methyl Acetate
Concen: 0.841 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion: 43 Resp: 4377
Ion Ratio Lower Upper
43 100
74 23.0 18.3 27.5

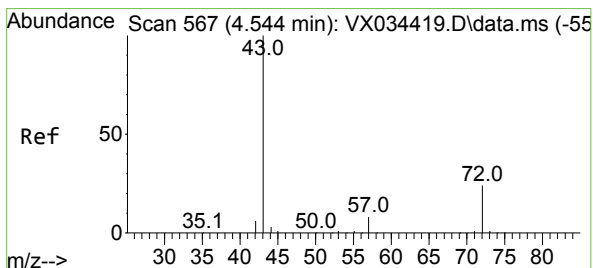
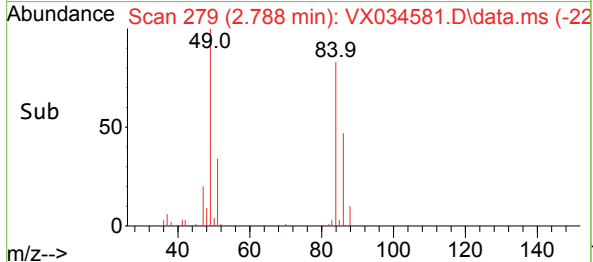
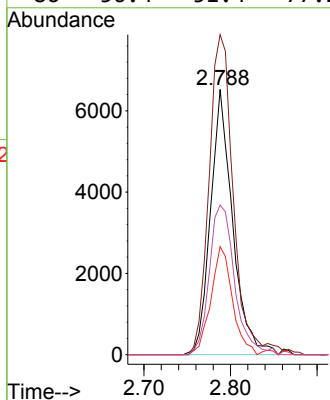
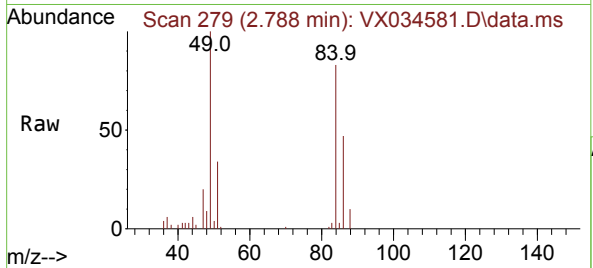




#20
Methylene Chloride
Concen: 3.748 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

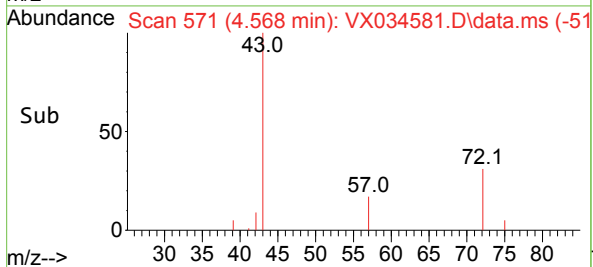
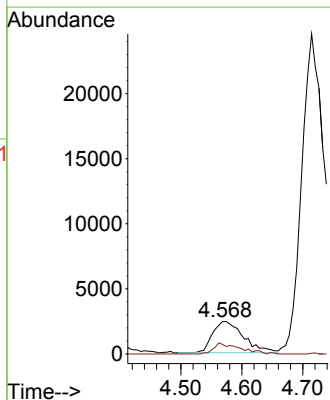
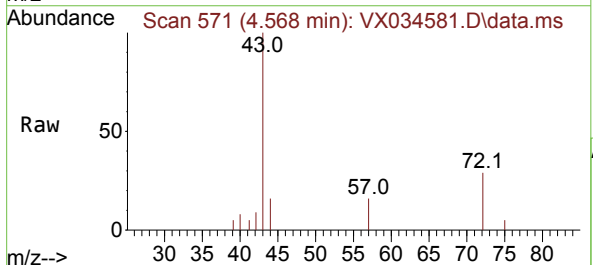
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#02

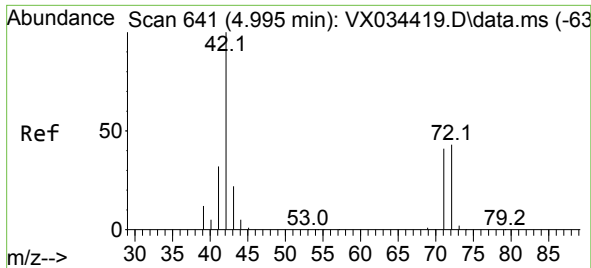
Tgt Ion:	84	Resp:	11588
Ion	Ratio	Lower	Upper
84	100		
49	120.7	103.8	155.8
51	40.7	31.8	47.8
86	56.4	51.4	77.2



#25
2-Butanone
Concen: 3.740 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion:	43	Resp:	8525
Ion	Ratio	Lower	Upper
43	100		
72	30.7	19.3	28.9#





#29

Tetrahydrofuran

Concen: 0.433 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX034581.D

Acq: 17 Mar 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#02

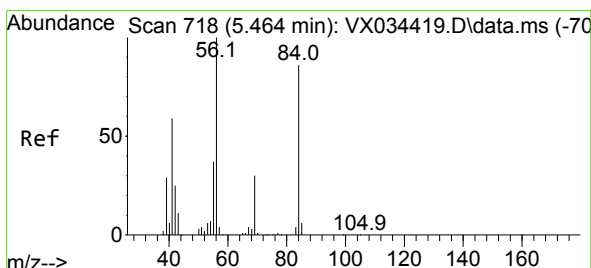
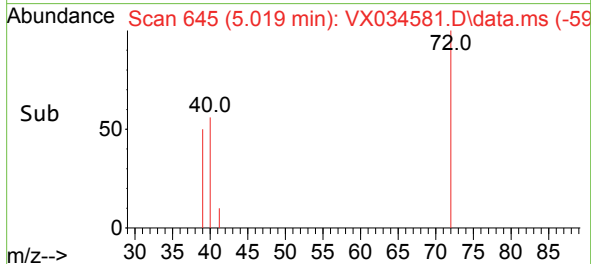
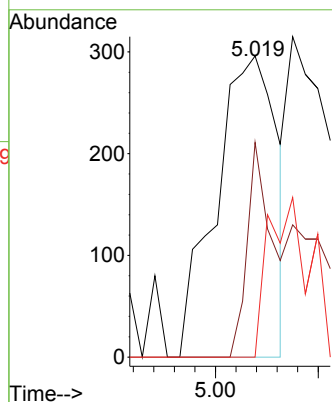
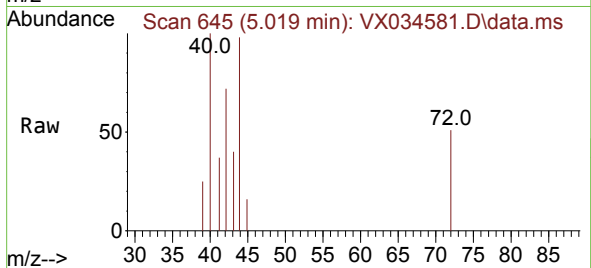
Tgt Ion: 42 Resp: 609

Ion Ratio Lower Upper

42 100

72 29.2 34.5 51.7#

71 0.0 32.1 48.1#



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX034581.D

Acq: 17 Mar 2023 13:59

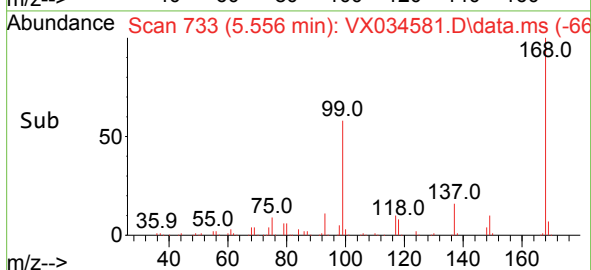
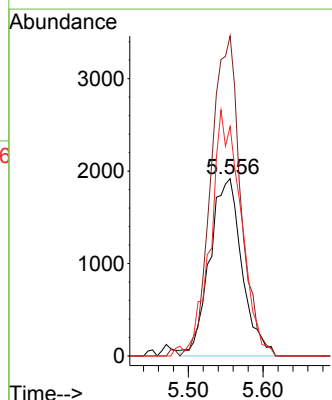
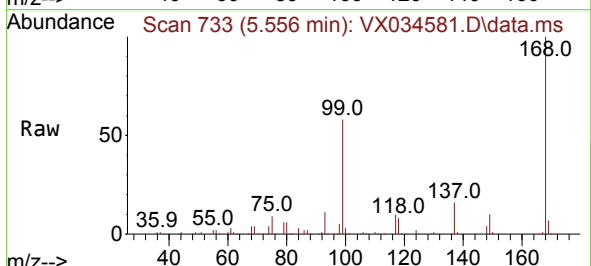
Tgt Ion: 56 Resp: 5724

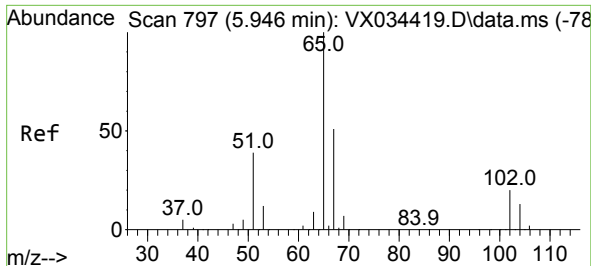
Ion Ratio Lower Upper

56 100

69 180.5 23.7 35.5#

84 129.5 68.5 102.7#

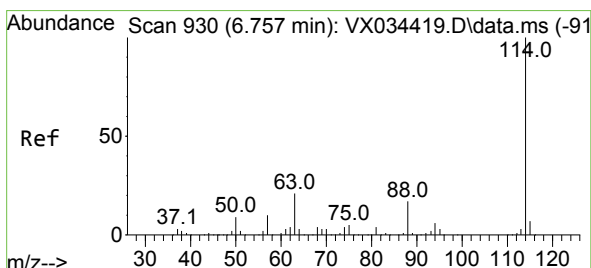
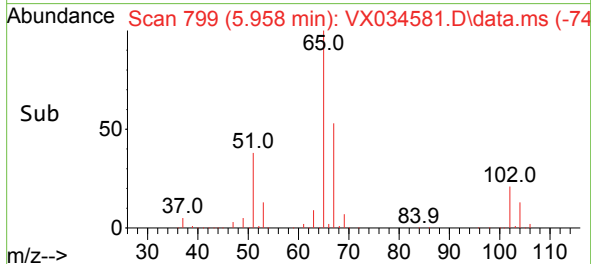
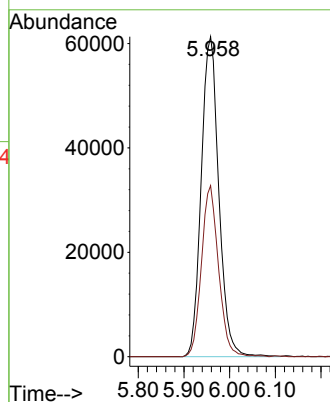
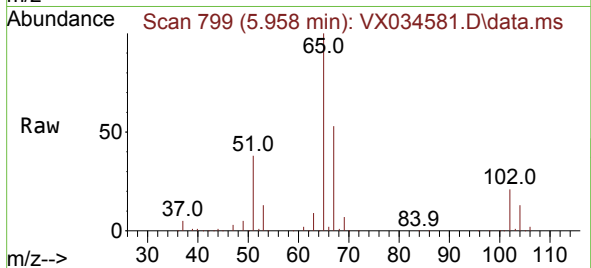




#33
1,2-Dichloroethane-d4
Concen: 48.447 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

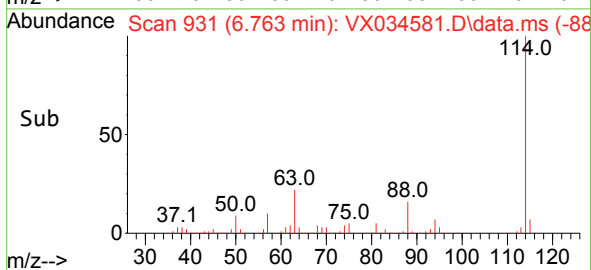
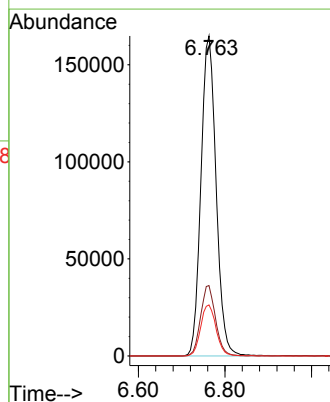
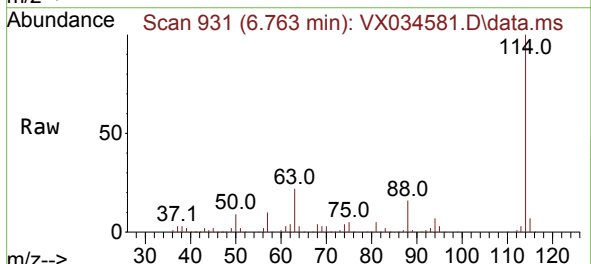
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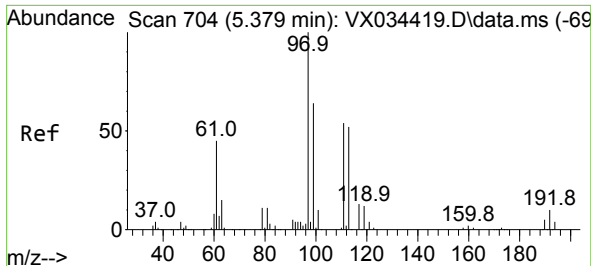
Tgt Ion: 65 Resp: 163830
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion: 114 Resp: 400088
Ion Ratio Lower Upper
114 100
63 22.0 0.0 42.2
88 16.0 0.0 33.2

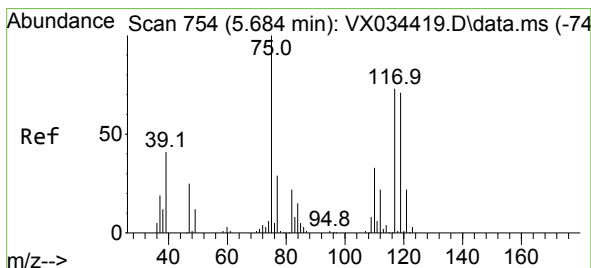
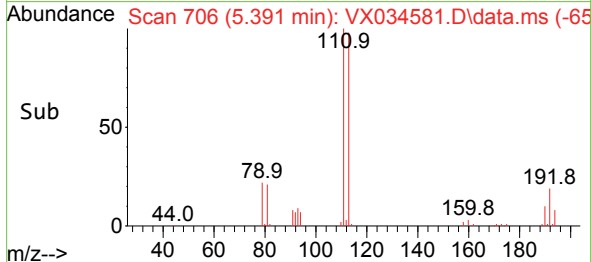
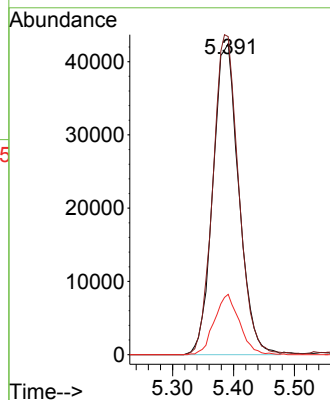
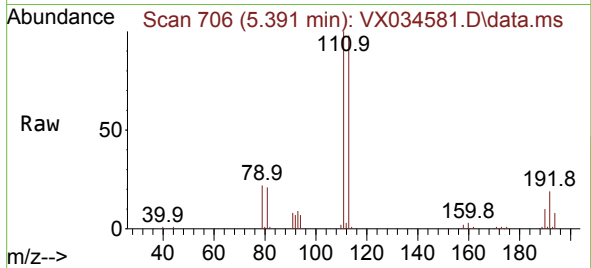




#35
Dibromofluoromethane
Concen: 47.459 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

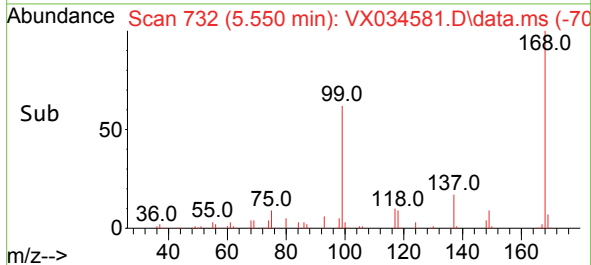
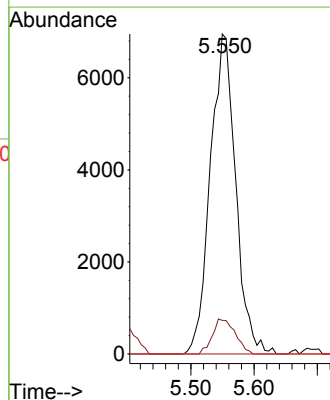
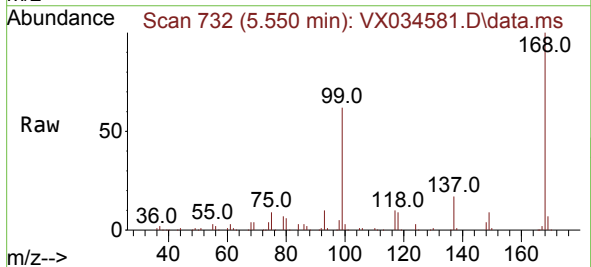
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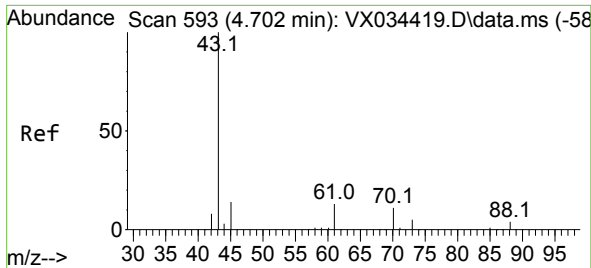
Tgt Ion:113 Resp: 125365
Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 18.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.764 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion: 75 Resp: 19328
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 15.811 ug/l

RT: 4.714 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034581.D

Acq: 17 Mar 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#02

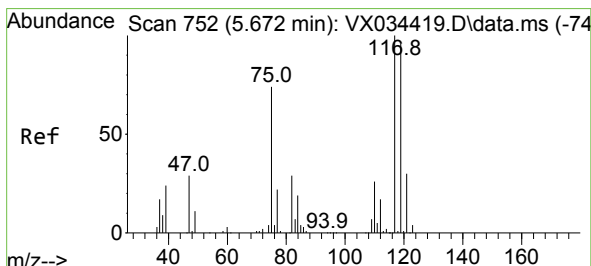
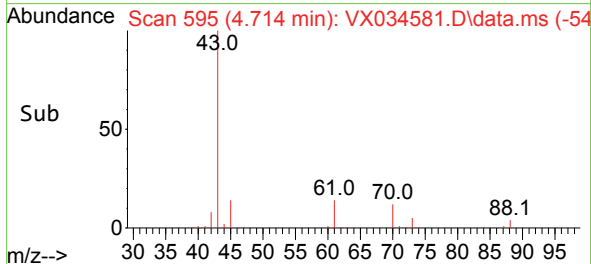
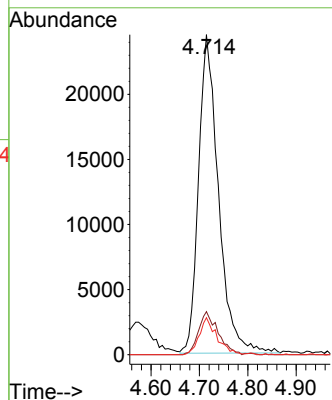
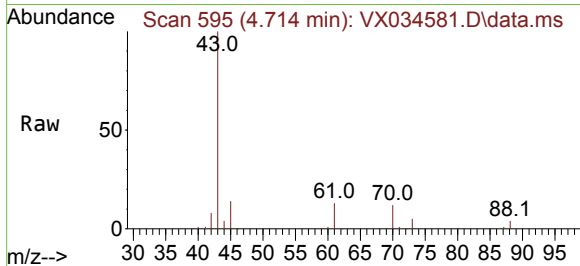
Tgt Ion: 43 Resp: 70082

Ion Ratio Lower Upper

43 100

61 13.2 10.2 15.4

70 10.3 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.901 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX034581.D

Acq: 17 Mar 2023 13:59

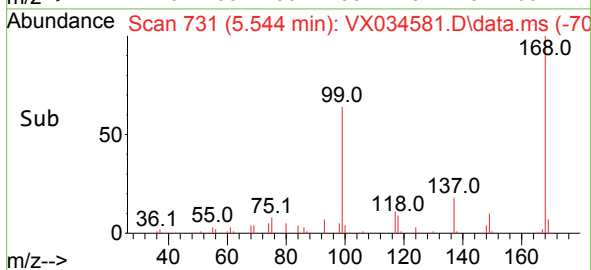
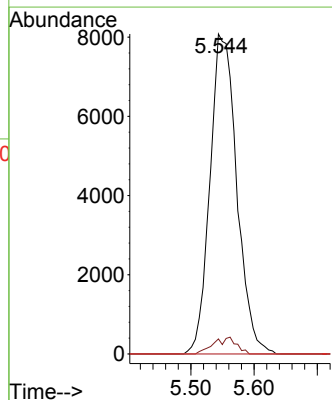
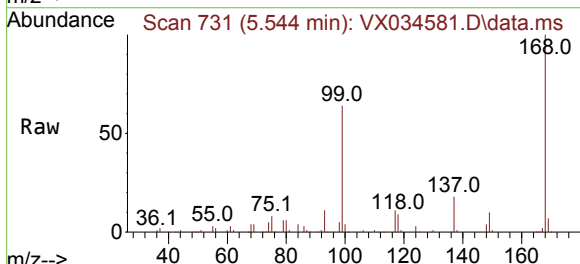
Tgt Ion: 117 Resp: 23818

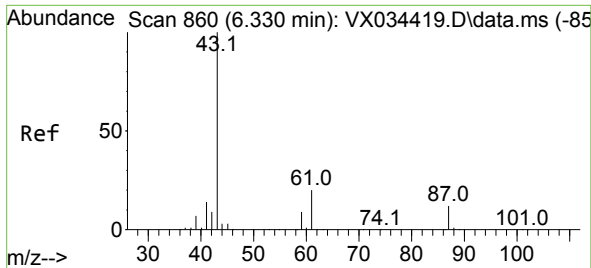
Ion Ratio Lower Upper

117 100

119 4.7 76.6 114.8#

121 0.0 23.8 35.6#

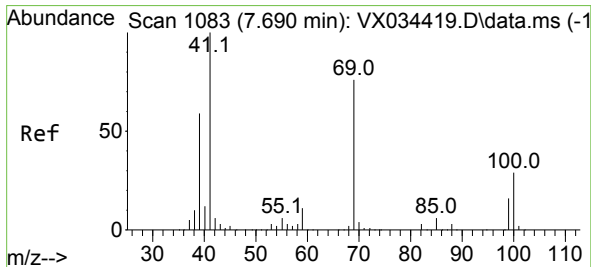
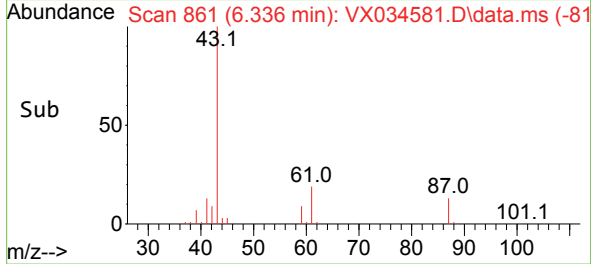
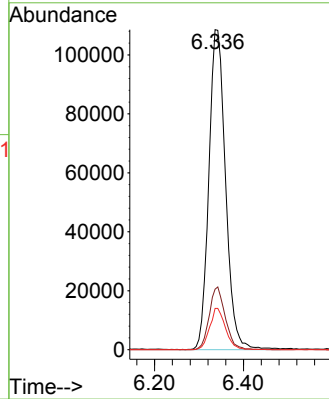
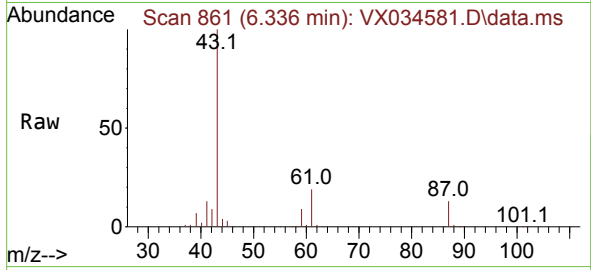




#43
Isopropyl Acetate
Concen: 37.862 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

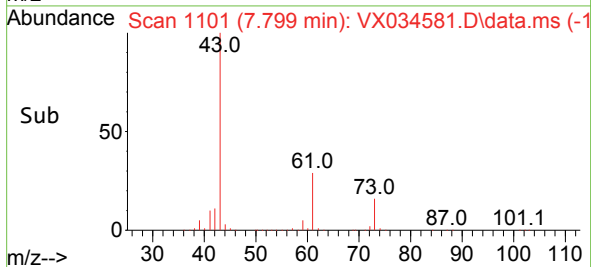
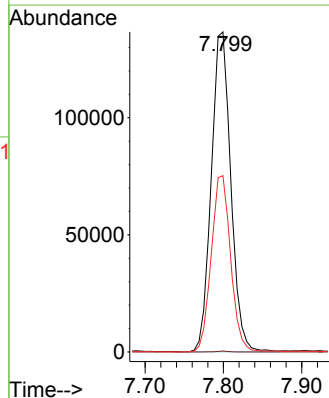
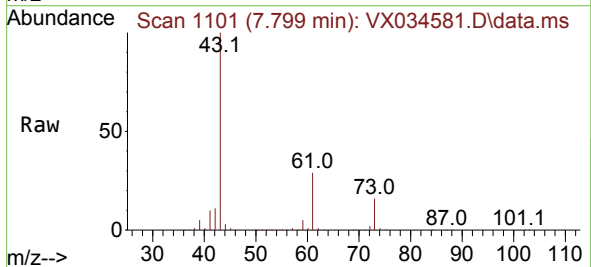
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#02

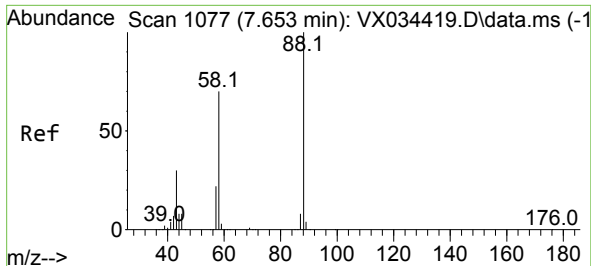
Tgt Ion: 43 Resp: 284299
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 12.3 9.8 14.8



#48
Methyl methacrylate
Concen: 65.468 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion: 41 Resp: 236431
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.1 47.7 71.5





#49

1,4-Dioxane

Concen: 1.147 ug/l

RT: 7.659 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VX034581.D

Acq: 17 Mar 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#02

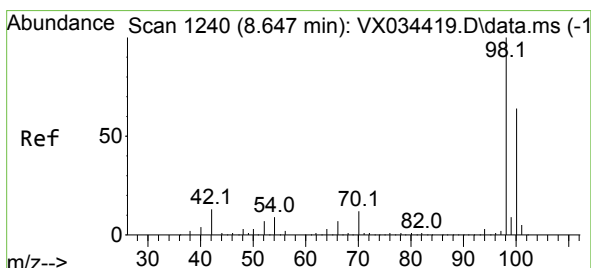
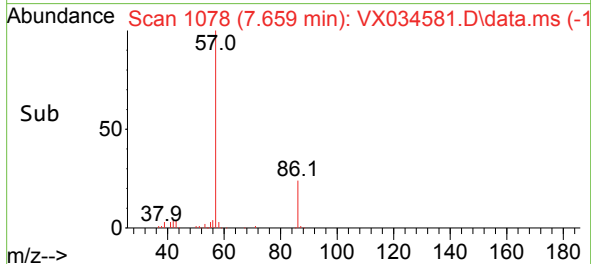
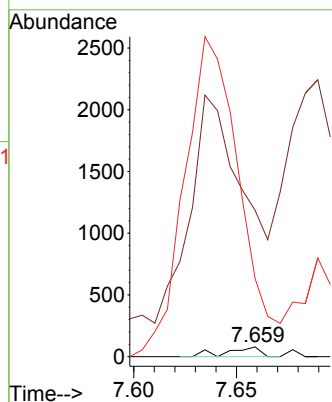
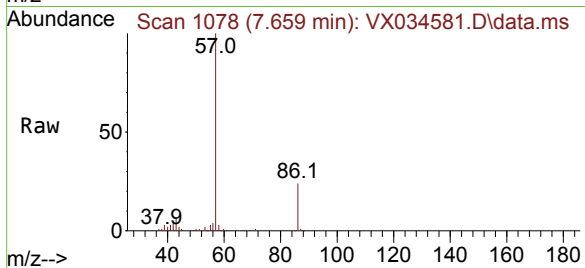
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 49.012 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034581.D

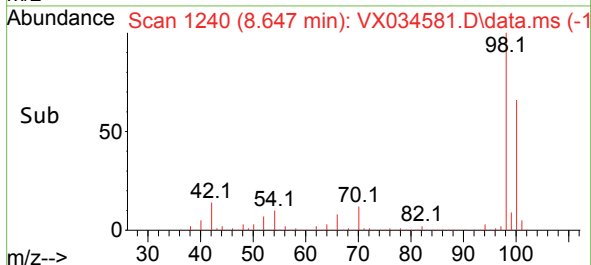
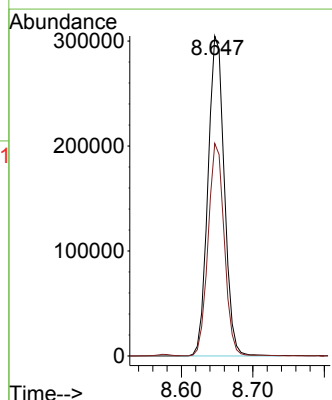
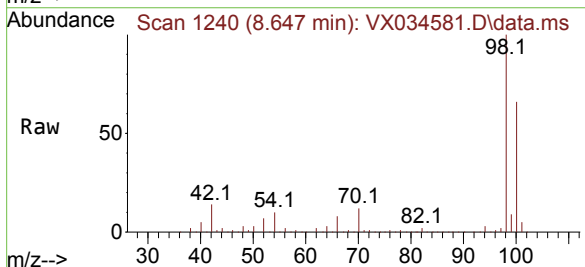
Acq: 17 Mar 2023 13:59

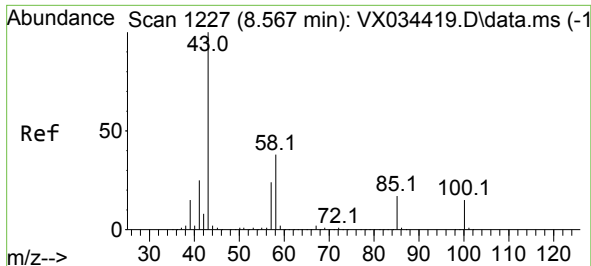
Tgt Ion: 98 Resp: 483318

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

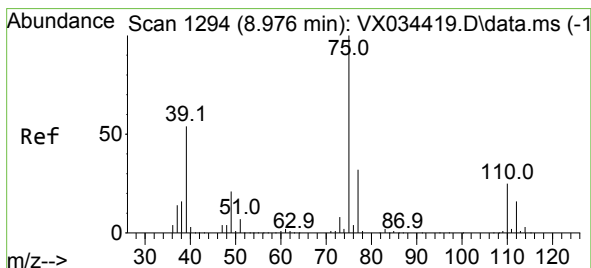
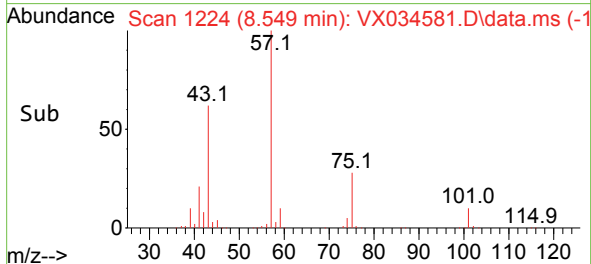
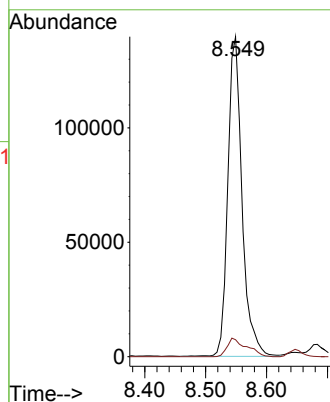
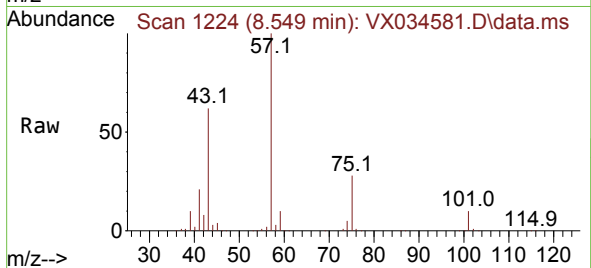




#51
4-Methyl-2-Pentanone
Concen: 52.027 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

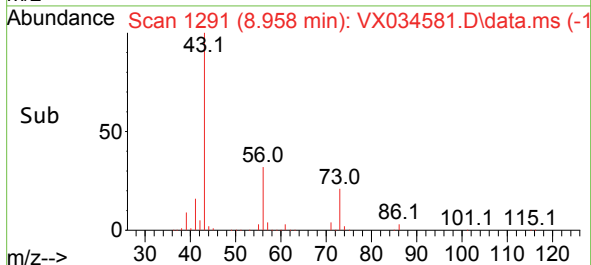
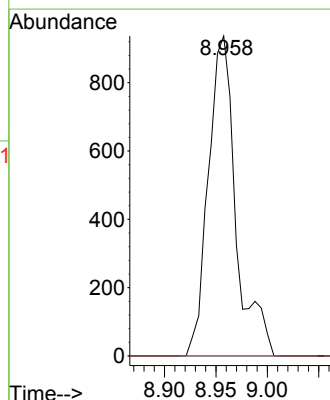
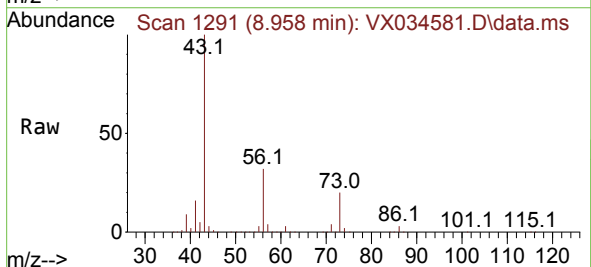
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#02

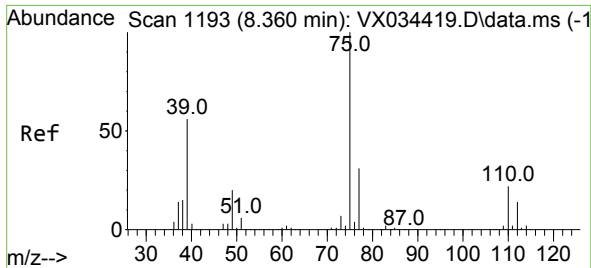
Tgt Ion: 43 Resp: 226630
Ion Ratio Lower Upper
43 100
58 7.9 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.381 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion: 75 Resp: 1748
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

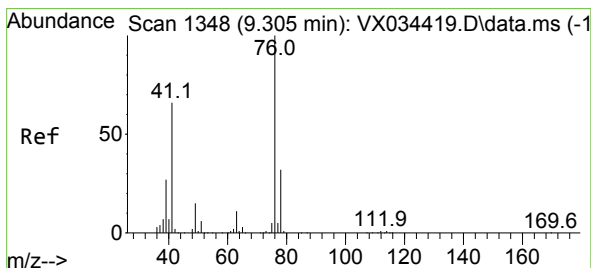
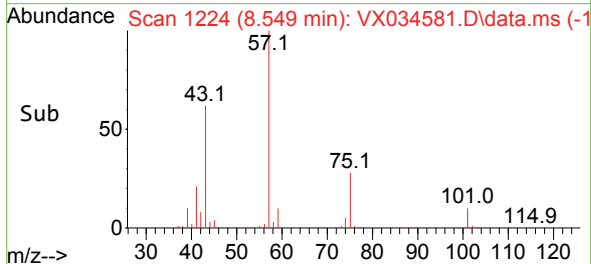
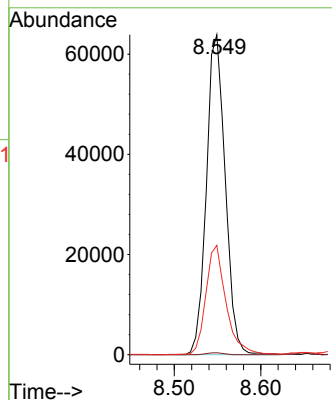
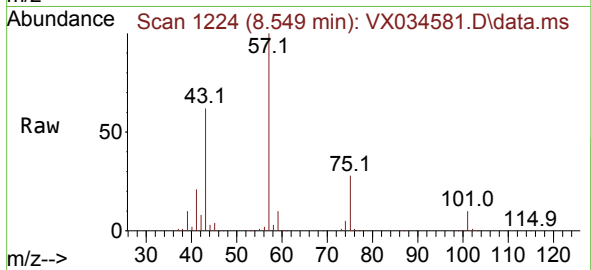




#54
 cis-1,3-Dichloropropene
 Concen: 19.400 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034581.D
 Acq: 17 Mar 2023 13:59

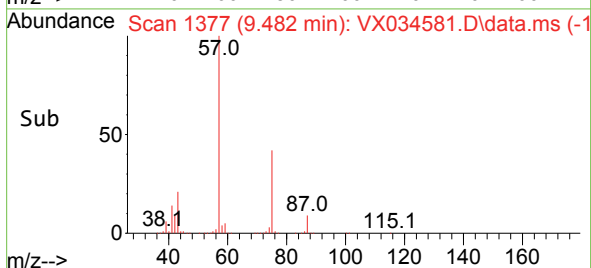
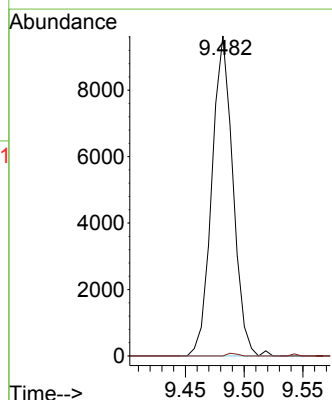
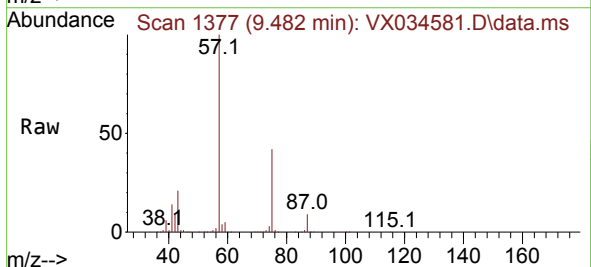
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#02

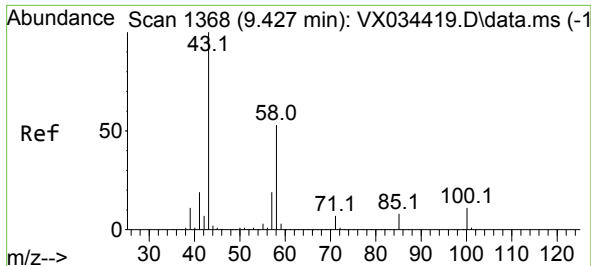
Tgt Ion: 75 Resp: 96421
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 34.0 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.324 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034581.D
 Acq: 17 Mar 2023 13:59

Tgt Ion: 76 Resp: 12044
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#

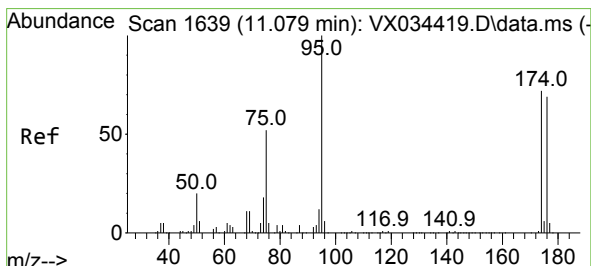
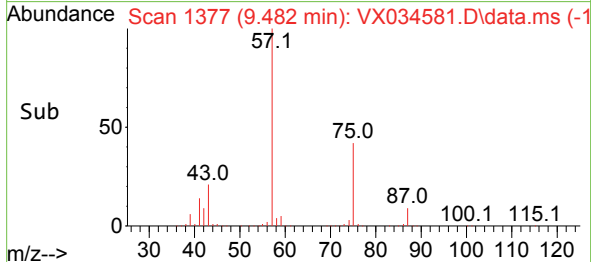
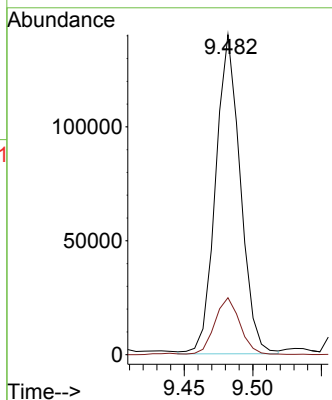
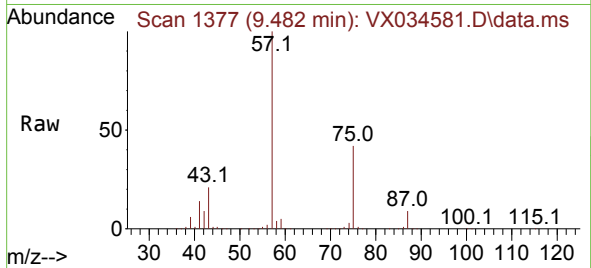




#59
2-Hexanone
Concen: 52.124 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

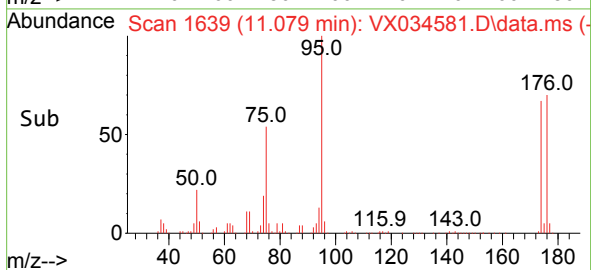
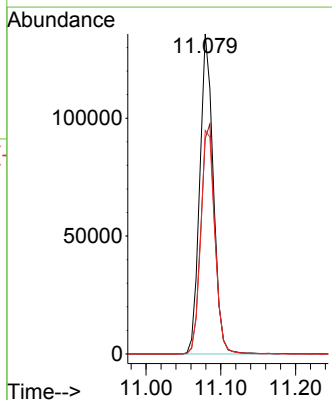
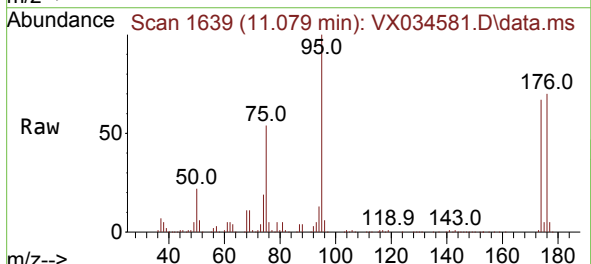
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#02

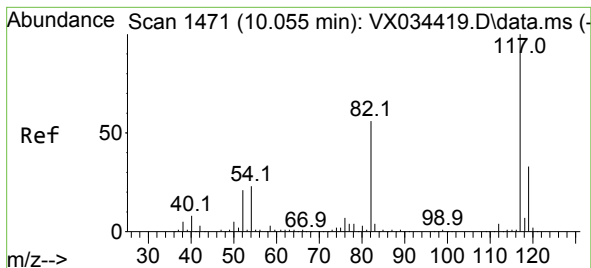
Tgt Ion: 43 Resp: 175514
Ion Ratio Lower Upper
43 100
58 18.4 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 42.924 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion: 95 Resp: 170973
Ion Ratio Lower Upper
95 100
174 74.5 0.0 147.4
176 72.9 0.0 140.6

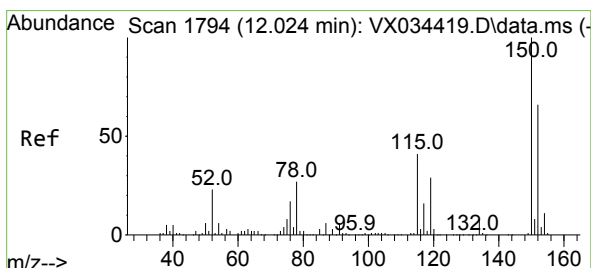
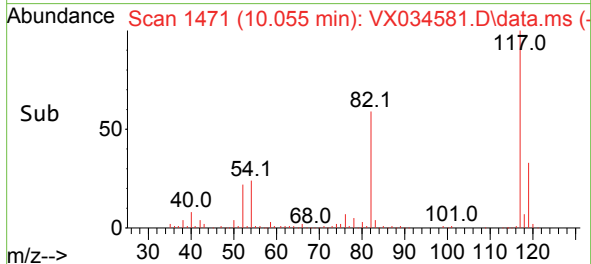
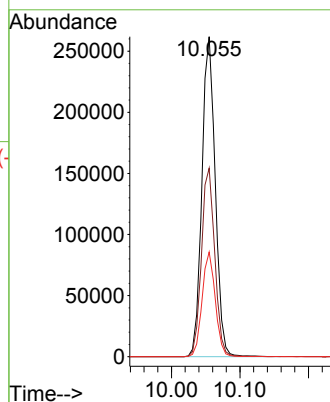
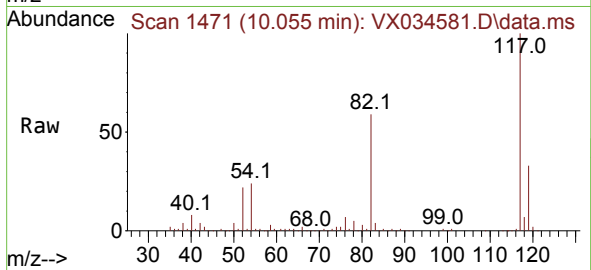




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

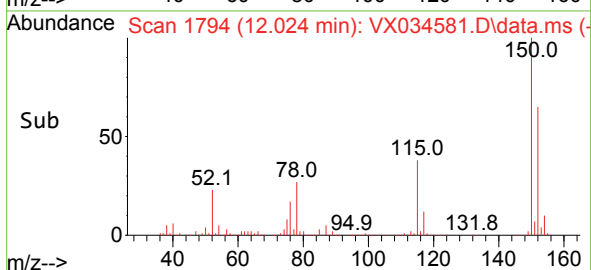
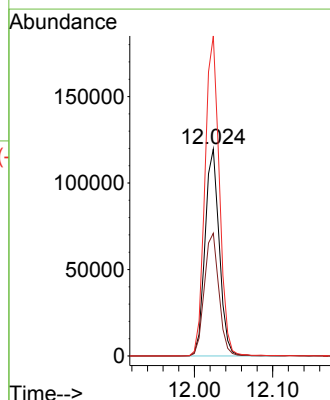
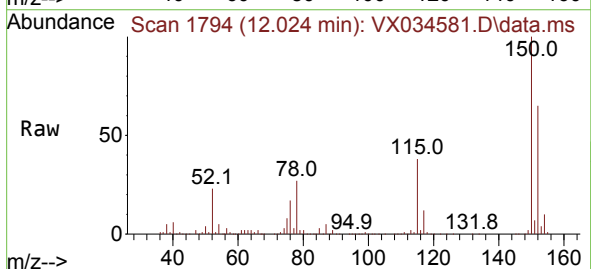
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#02

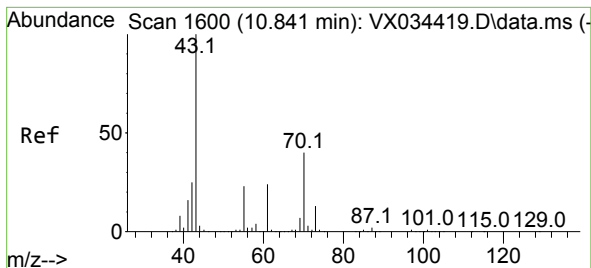
Tgt Ion:117 Resp: 355011
Ion Ratio Lower Upper
117 100
82 58.9 45.0 67.4
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034581.D
Acq: 17 Mar 2023 13:59

Tgt Ion:152 Resp: 151007
Ion Ratio Lower Upper
152 100
115 60.7 45.0 135.0
150 156.5 0.0 352.4





#74

N-amy1 acetate

Concen: 12.711 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034581.D

Acq: 17 Mar 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#02

Tgt Ion: 43 Resp: 71053

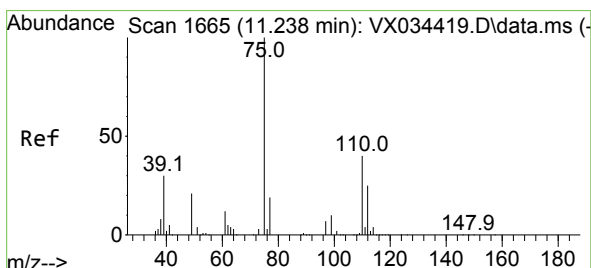
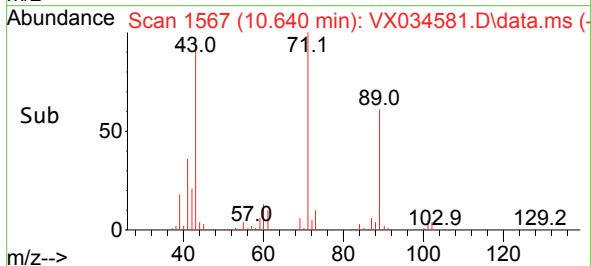
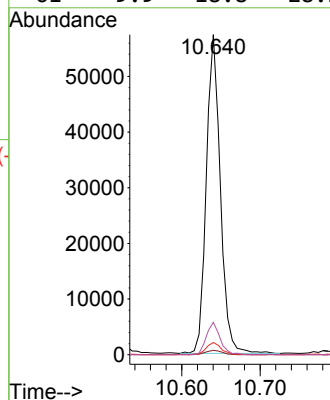
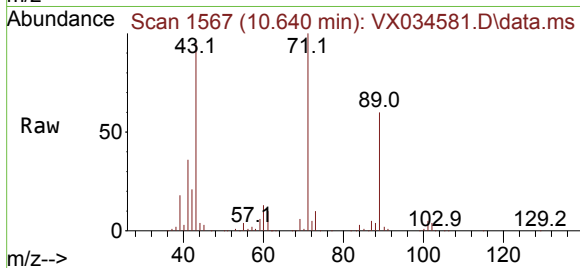
Ion Ratio Lower Upper

43 100

70 1.6 32.1 48.1#

55 4.1 18.3 27.5#

61 9.9 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.763 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034581.D

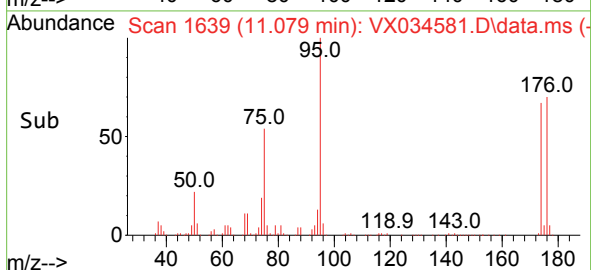
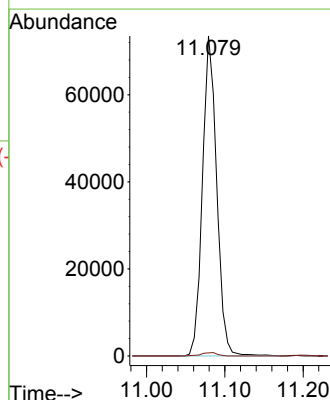
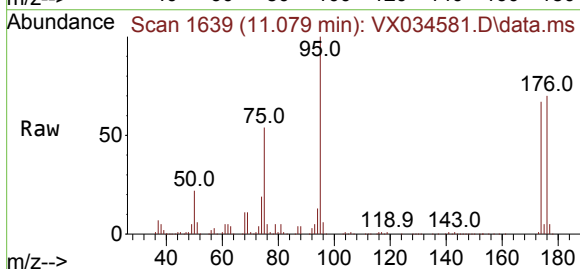
Acq: 17 Mar 2023 13:59

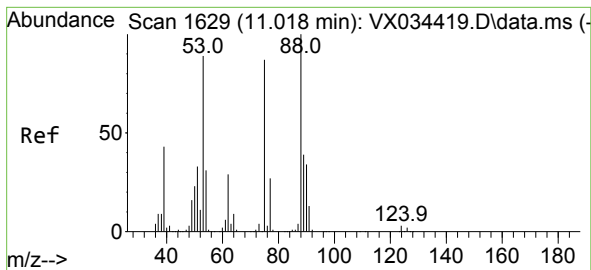
Tgt Ion: 75 Resp: 92796

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.403 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034581.D
 Acq: 17 Mar 2023 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#02

Tgt Ion: 75 Resp: 92796
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

