

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034584.D
 Acq On : 17 Mar 2023 15:10
 Operator : JC/MD
 Sample : PB151466ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#05

Quant Time: Mar 20 00:02:13 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)

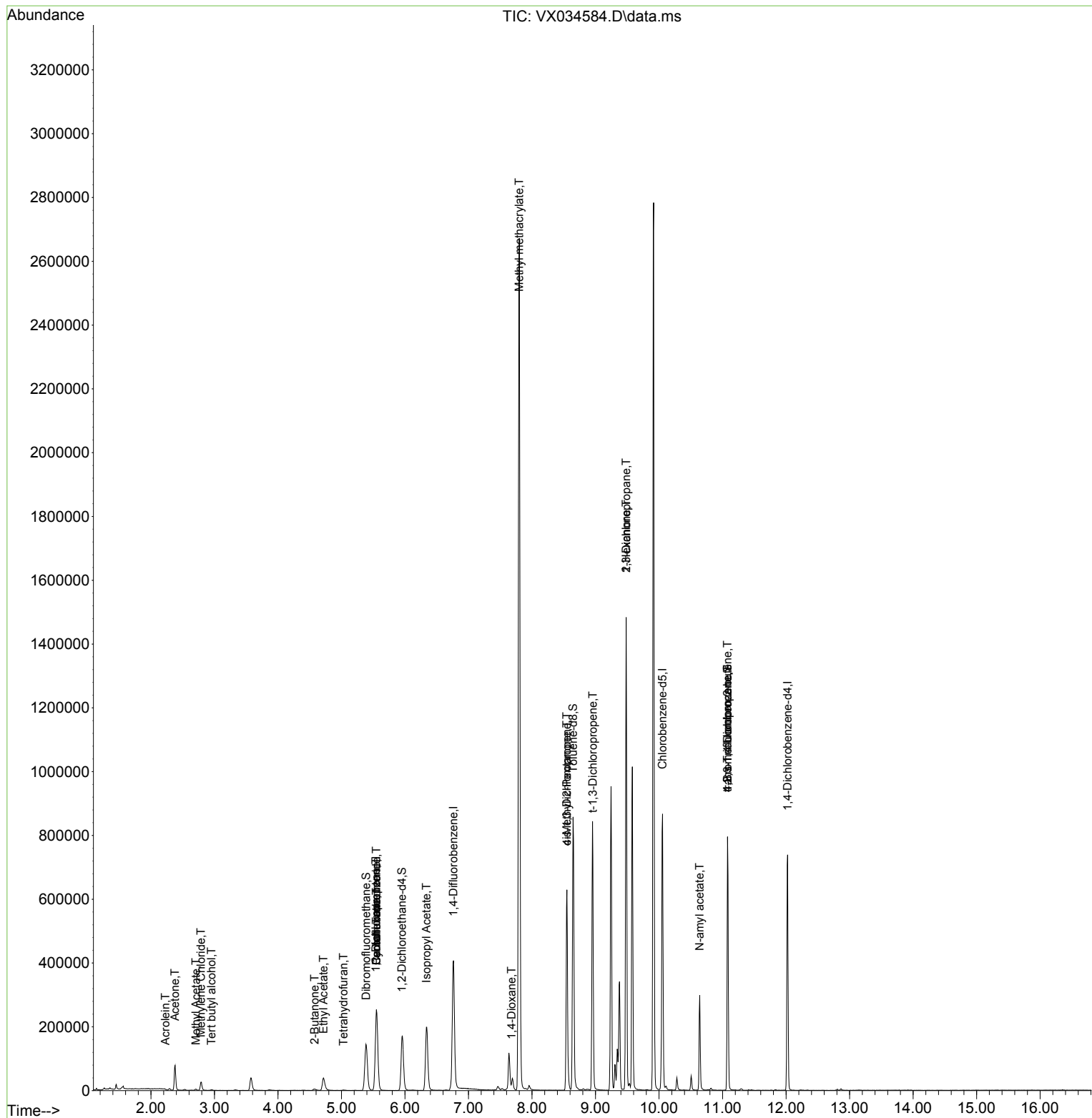
Internal Standards						
1) Pentafluorobenzene	5.550	168	232722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	402603	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	166253	49.105	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.220%		
35) Dibromofluoromethane	5.385	113	125561	47.236	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.480%		
50) Toluene-d8	8.647	98	492962	49.678	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.360%		
62) 4-Bromofluorobenzene	11.079	95	208066	51.910	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	385	Below Cal	#	42
11) Tert butyl alcohol	2.953	59	2126	3.015	ug/l #	91
13) Acrolein	2.227	56	330	0.592	ug/l #	69
16) Acetone	2.380	43	82058	51.453	ug/l	99
18) Methyl Acetate	2.709	43	5437	1.043	ug/l	92
20) Methylene Chloride	2.788	84	11980	3.871	ug/l	92
25) 2-Butanone	4.574	43	8713	3.818	ug/l	97
29) Tetrahydrofuran	5.032	42	1177	0.836	ug/l #	80
31) Cyclohexane	5.550	56	5716	1.204	ug/l #	9
36) 1,1-Dichloropropene	5.544	75	19561	4.791	ug/l #	51
37) Ethyl Acetate	4.715	43	70433	15.791	ug/l	98
38) Carbon Tetrachloride	5.550	117	24219	5.963	ug/l #	15
43) Isopropyl Acetate	6.336	43	283622	37.535	ug/l	100
48) Methyl methacrylate	7.799	41	238989	65.763	ug/l #	47
49) 1,4-Dioxane	7.677	88	24	0.314	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	224547	51.227	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	1629	0.352	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	96582	19.311	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	12421	2.382	ug/l #	42
59) 2-Hexanone	9.482	43	177199	52.296	ug/l #	52
74) N-amyl acetate	10.640	43	82092	14.998	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	112238	33.060	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	112238	89.438	ug/l #	8

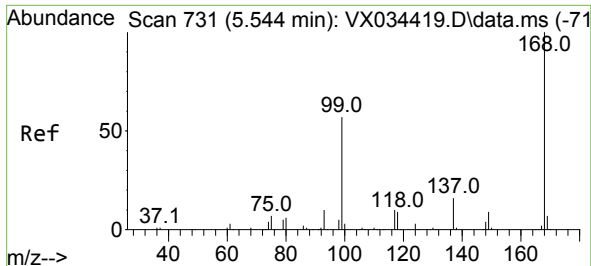
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Mar 20 00:02:13 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

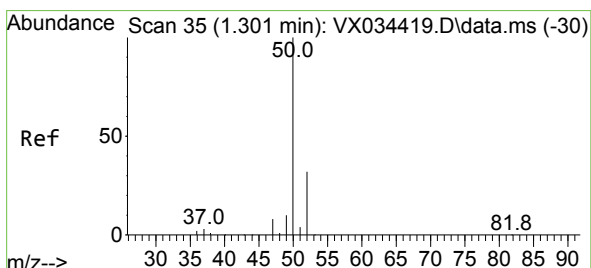
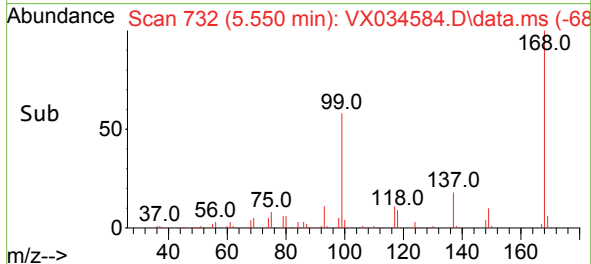
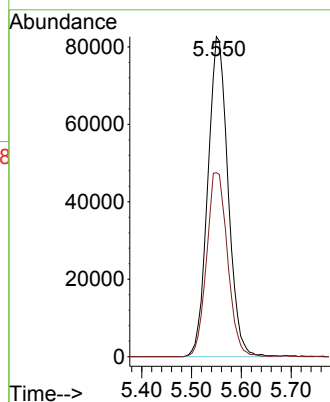
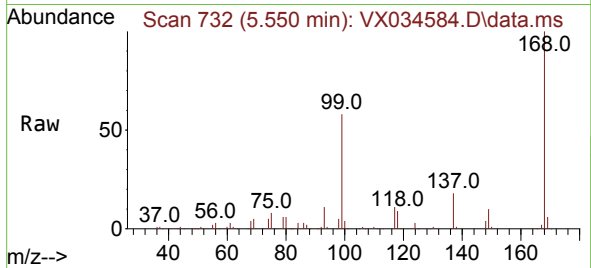




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

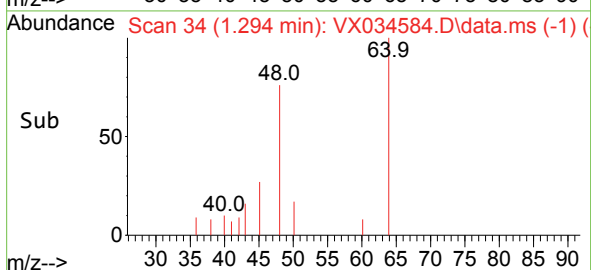
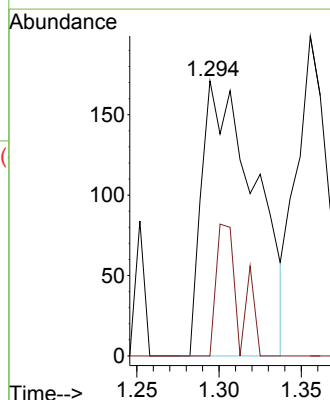
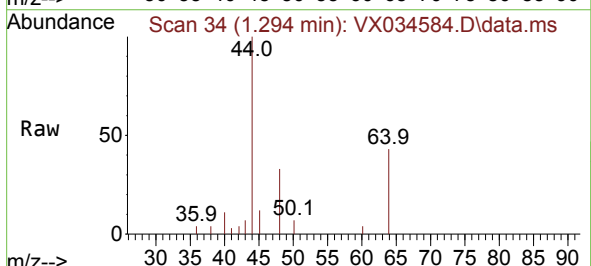
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#05

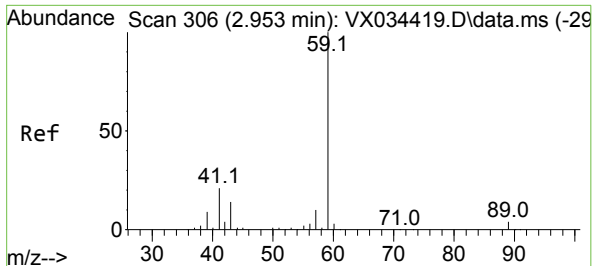
Tgt Ion:168 Resp: 232722
Ion Ratio Lower Upper
168 100
99 57.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

Tgt Ion: 50 Resp: 385
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

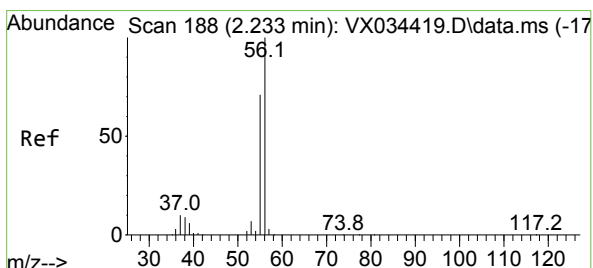
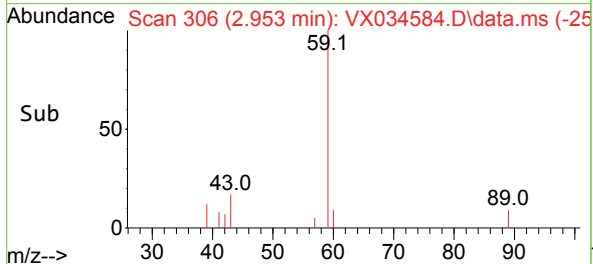
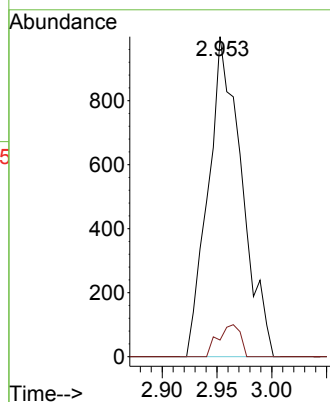
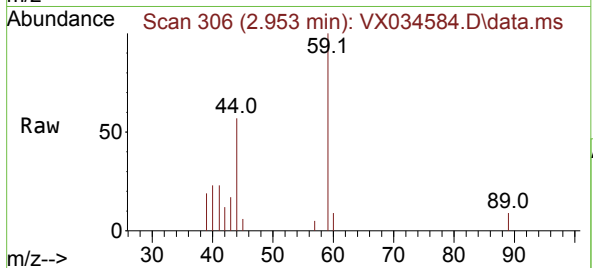




#11
Tert butyl alcohol
Concen: 3.015 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

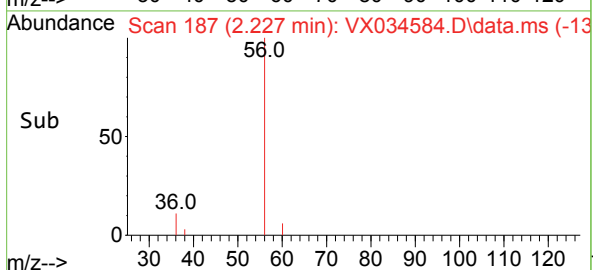
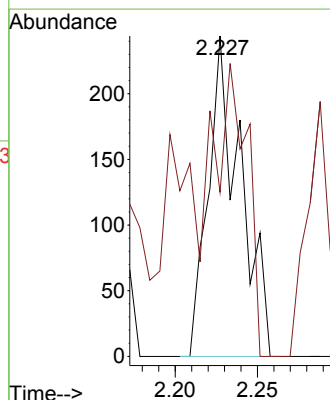
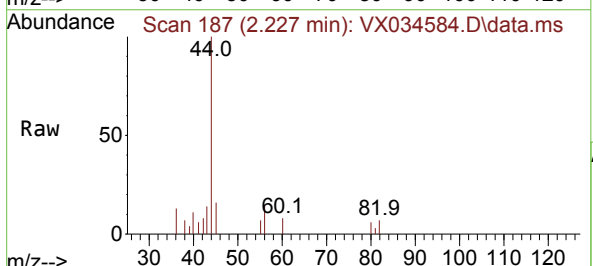
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#05

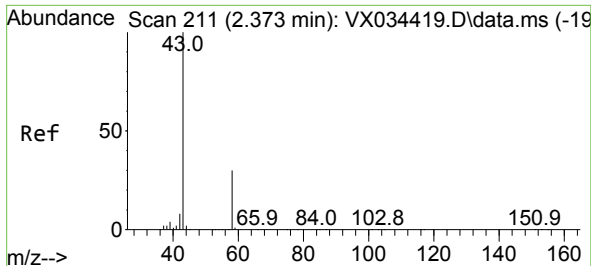
Tgt Ion: 59 Resp: 2126
Ion Ratio Lower Upper
59 100
57 6.6 8.1 12.1#



#13
Acrolein
Concen: 0.592 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

Tgt Ion: 56 Resp: 330
Ion Ratio Lower Upper
56 100
55 96.4 56.6 85.0#

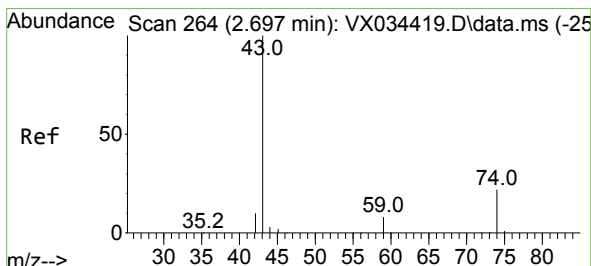
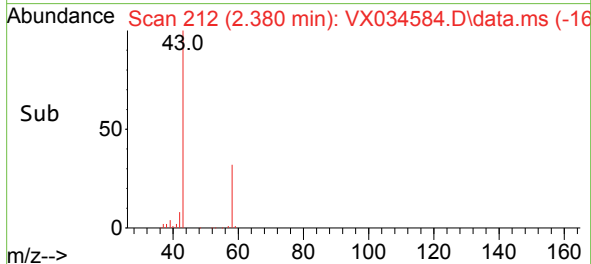
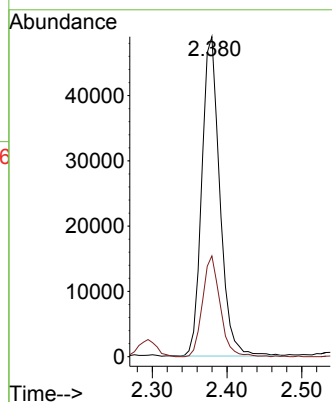
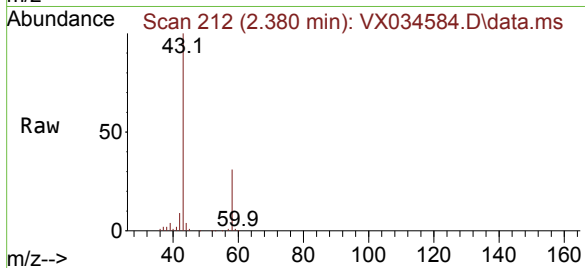




#16
Acetone
Concen: 51.453 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

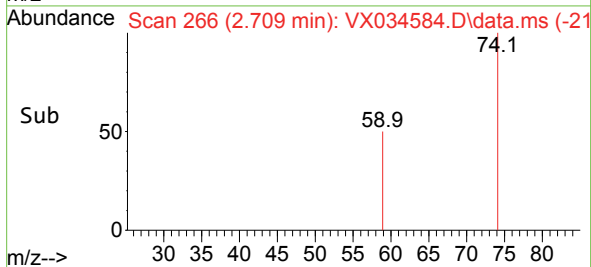
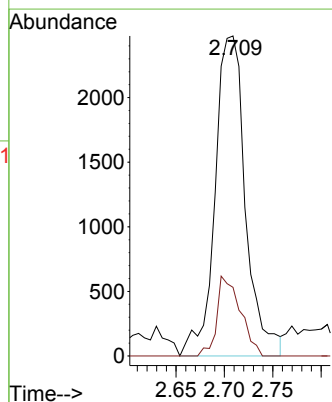
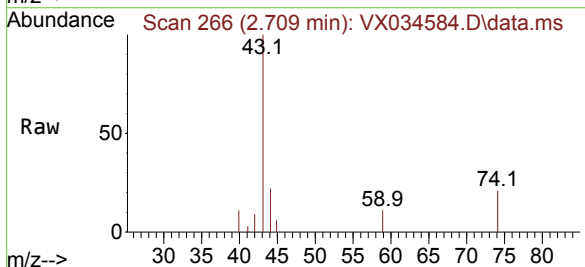
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#05

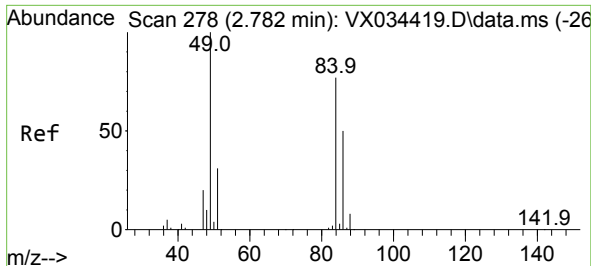
Tgt Ion: 43 Resp: 82058
Ion Ratio Lower Upper
43 100
58 31.5 24.7 37.1



#18
Methyl Acetate
Concen: 1.043 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

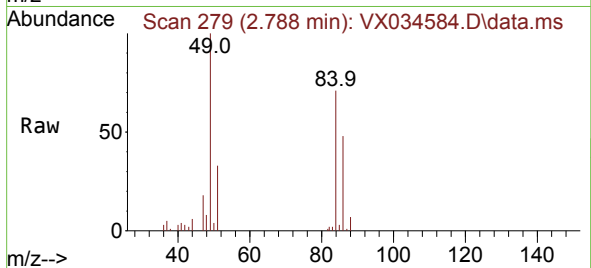
Tgt Ion: 43 Resp: 5437
Ion Ratio Lower Upper
43 100
74 19.2 18.3 27.5



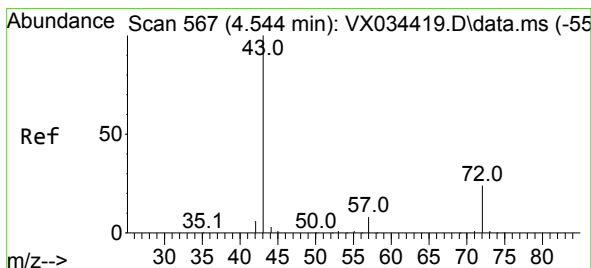
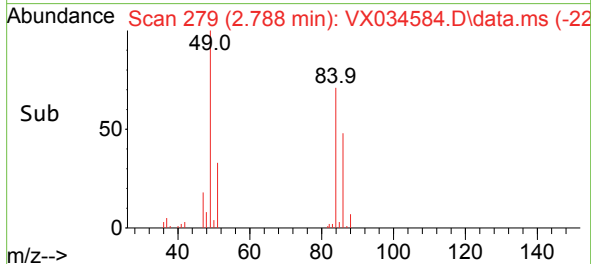
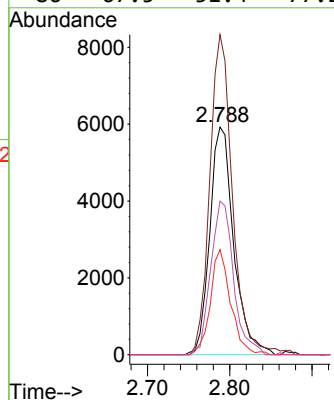


#20
Methylene Chloride
Concen: 3.871 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#05

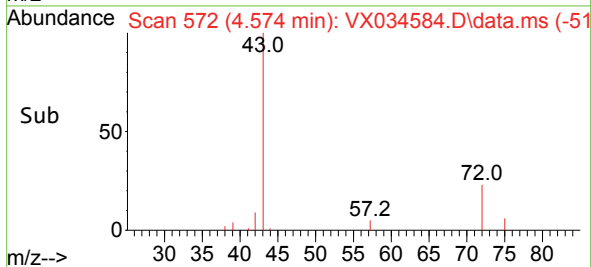
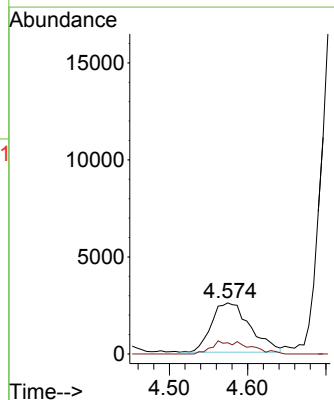
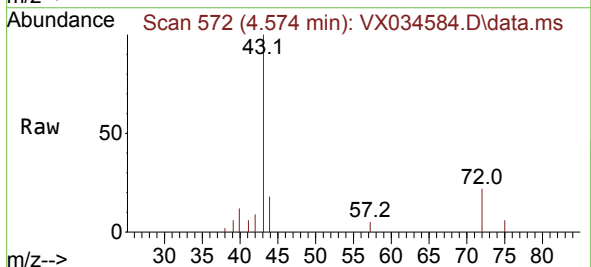


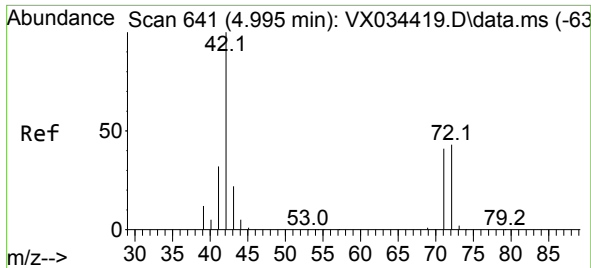
Tgt Ion:	84	Resp:	11980
Ion	Ratio	Lower	Upper
84	100		
49	140.6	103.8	155.8
51	46.2	31.8	47.8
86	67.5	51.4	77.2



#25
2-Butanone
Concen: 3.818 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.031 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

Tgt Ion:	43	Resp:	8713
Ion	Ratio	Lower	Upper
43	100		
72	22.8	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.836 ug/l

RT: 5.032 min Scan# 641

Delta R.T. 0.037 min

Lab File: VX034584.D

Acq: 17 Mar 2023 15:10

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#05

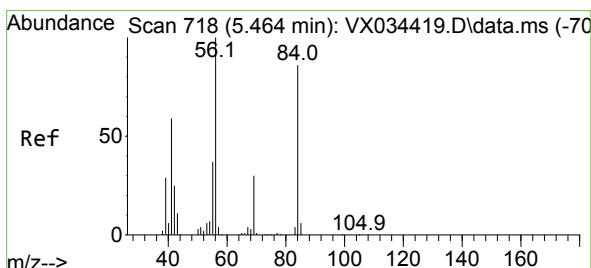
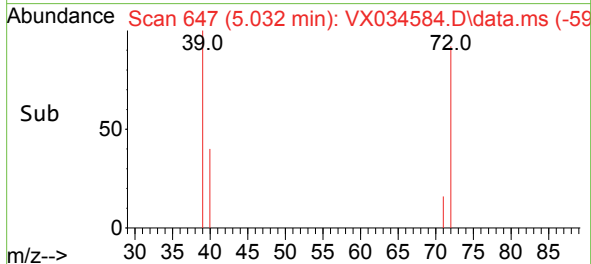
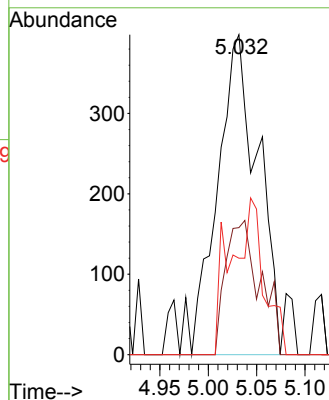
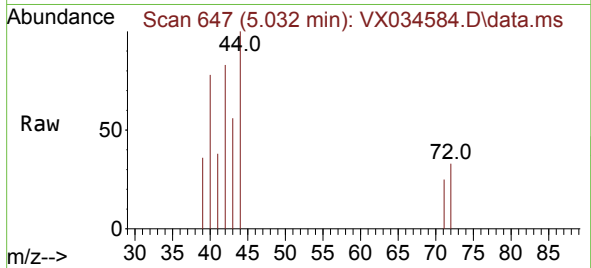
Tgt Ion: 42 Resp: 1177

Ion Ratio Lower Upper

42 100

72 35.0 34.5 51.7

71 23.3 32.1 48.1#



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034584.D

Acq: 17 Mar 2023 15:10

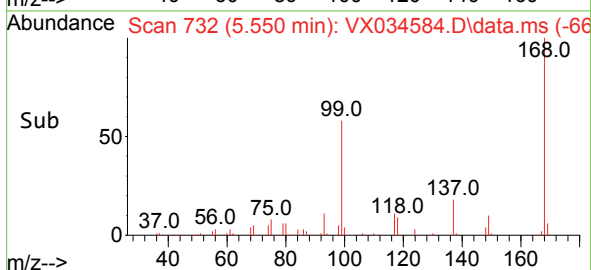
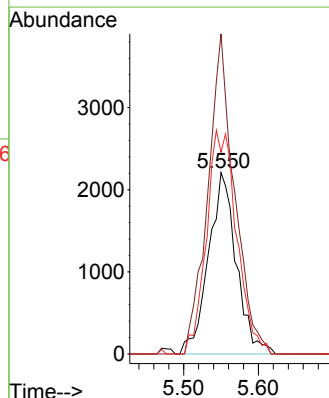
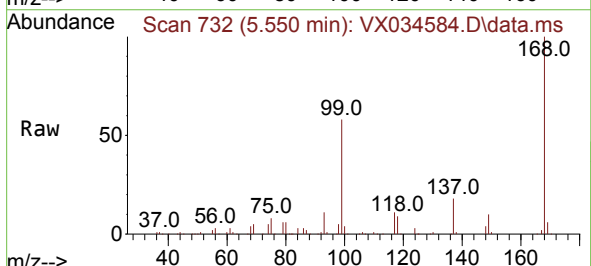
Tgt Ion: 56 Resp: 5716

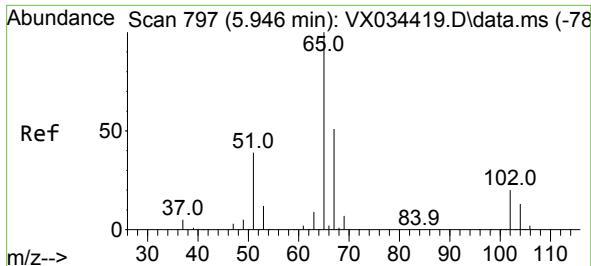
Ion Ratio Lower Upper

56 100

69 176.5 23.7 35.5#

84 111.3 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 49.105 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX034584.D

Acq: 17 Mar 2023 15:10

Instrument :

MSVOA_X

ClientSampleId :

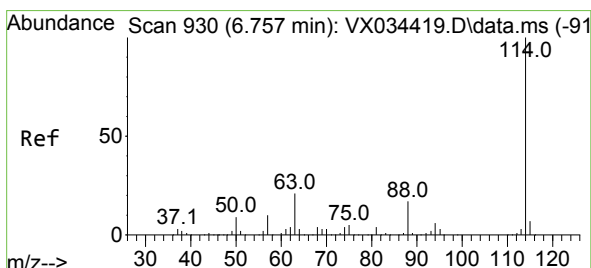
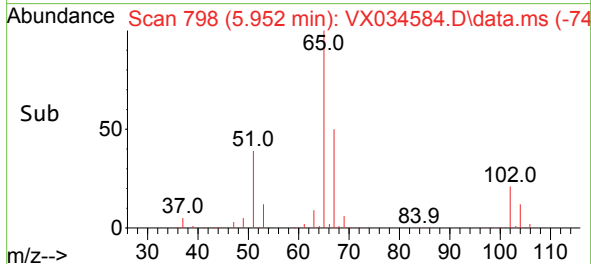
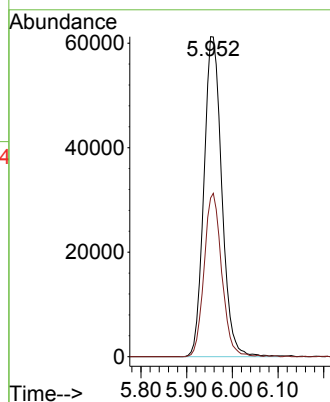
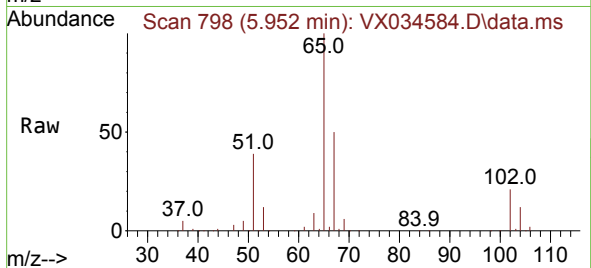
PB151466ZHE#05

Tgt Ion: 65 Resp: 166253

Ion Ratio Lower Upper

65 100

67 50.2 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: VX034584.D

Acq: 17 Mar 2023 15:10

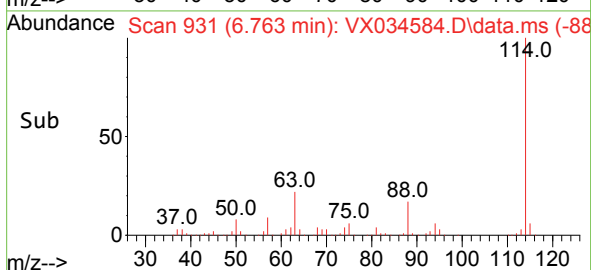
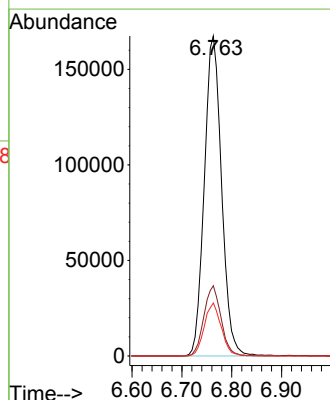
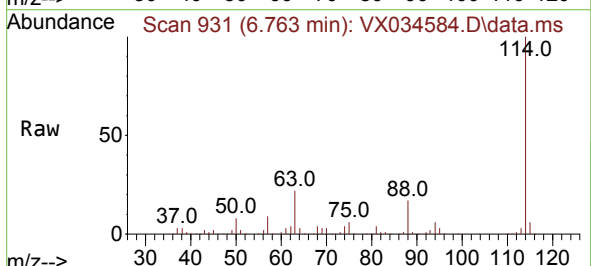
Tgt Ion: 114 Resp: 402603

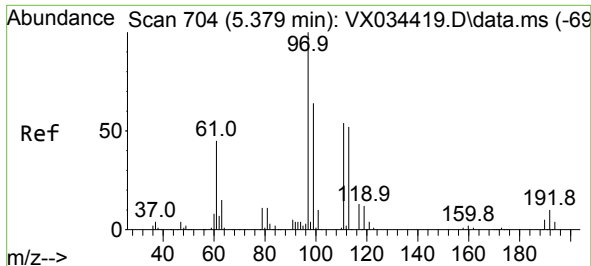
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.2

88 16.5 0.0 33.2

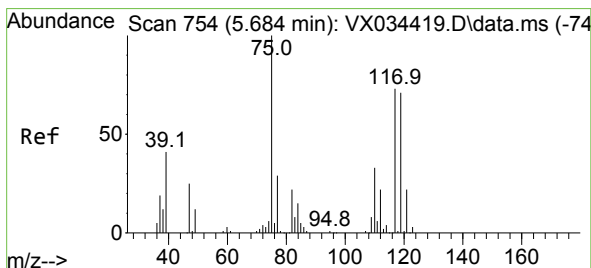
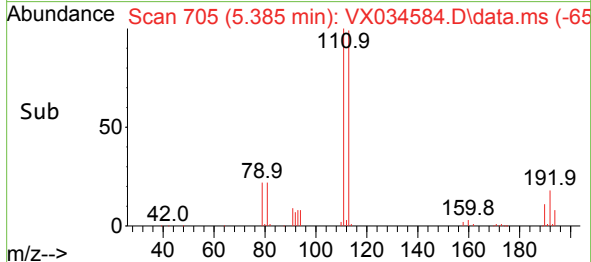
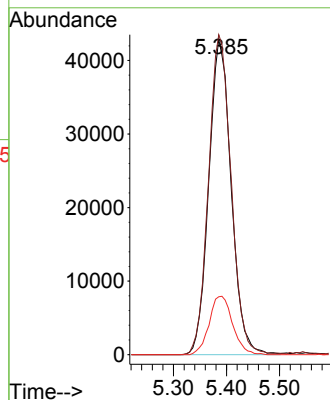
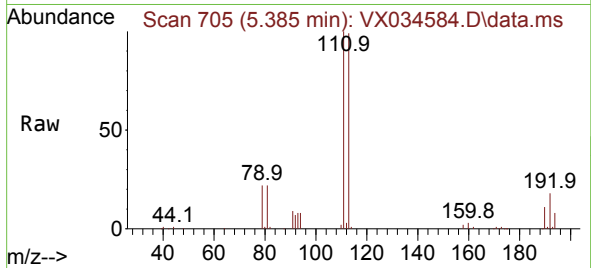




#35
Dibromofluoromethane
Concen: 47.236 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

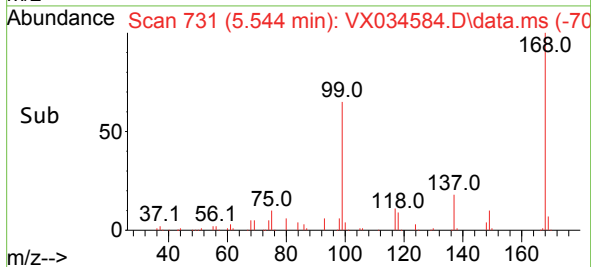
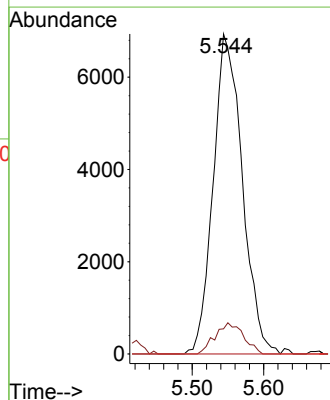
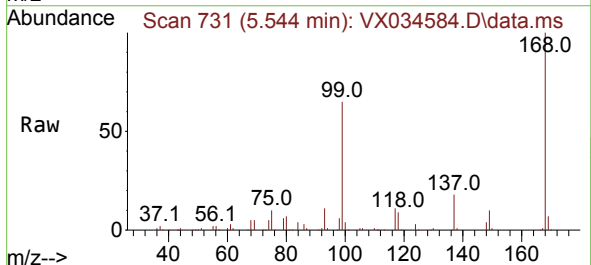
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#05

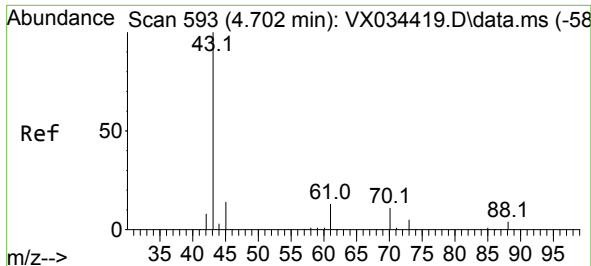
Tgt Ion:113 Resp: 125561
Ion Ratio Lower Upper
113 100
111 102.4 83.7 125.5
192 19.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

Tgt Ion: 75 Resp: 19561
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 15.791 ug/l

RT: 4.715 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034584.D

Acq: 17 Mar 2023 15:10

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#05

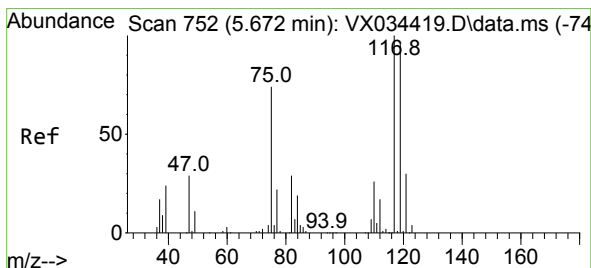
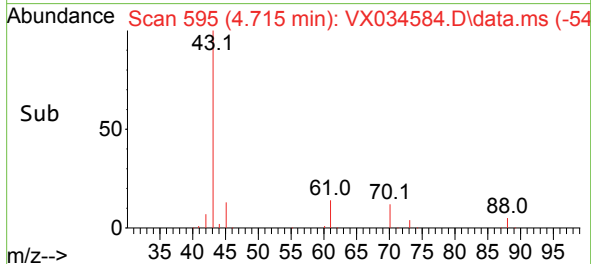
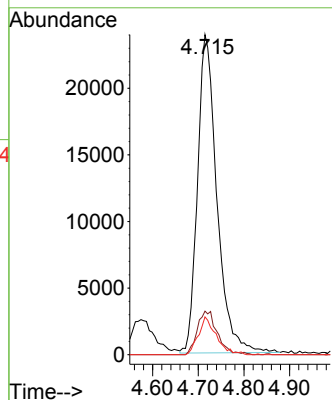
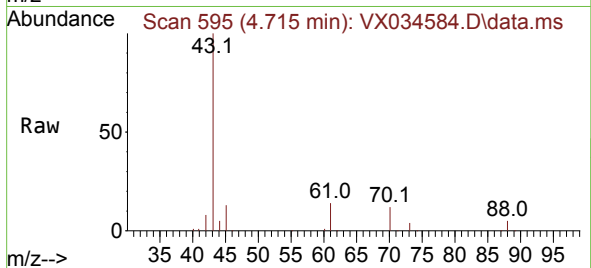
Tgt Ion: 43 Resp: 70433

Ion Ratio Lower Upper

43 100

61 14.0 10.2 15.4

70 10.9 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.963 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034584.D

Acq: 17 Mar 2023 15:10

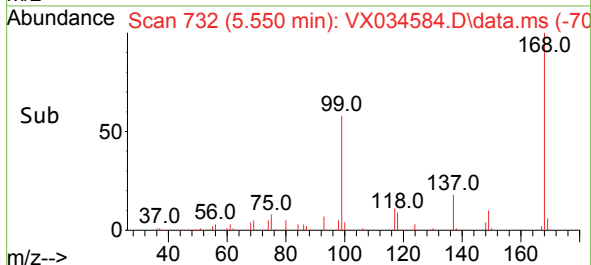
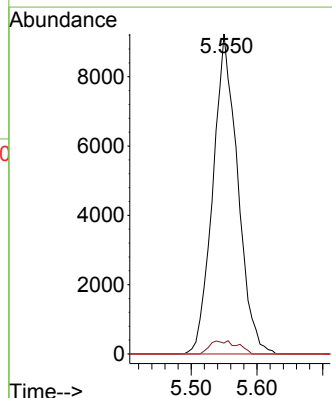
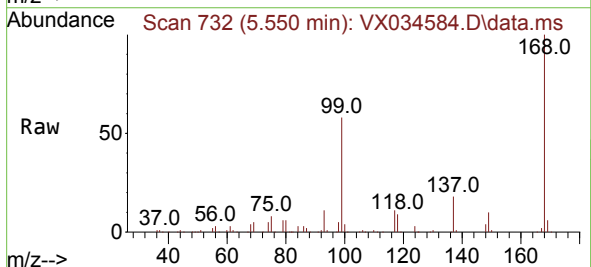
Tgt Ion: 117 Resp: 24219

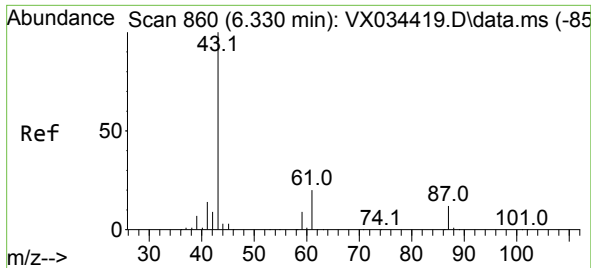
Ion Ratio Lower Upper

117 100

119 3.4 76.6 114.8#

121 0.0 23.8 35.6#

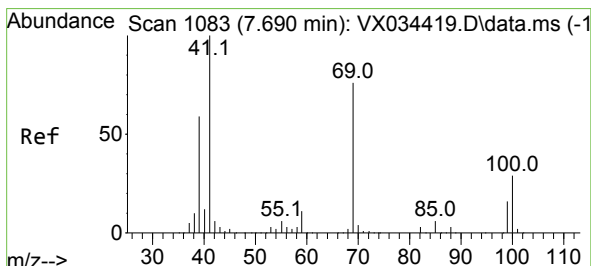
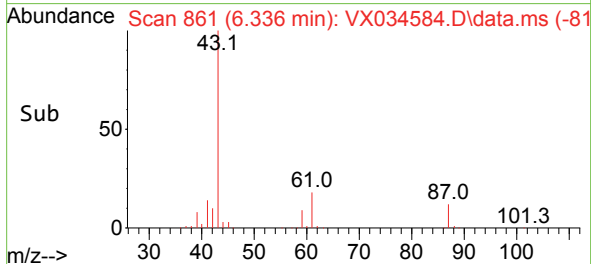
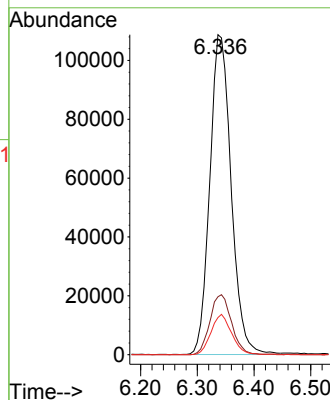
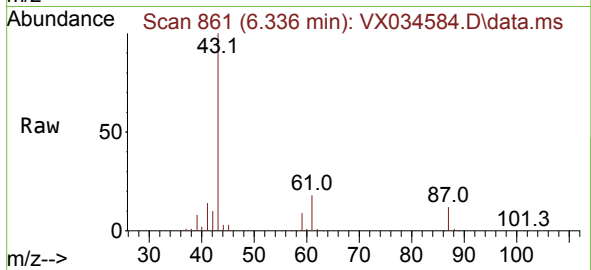




#43
Isopropyl Acetate
Concen: 37.535 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

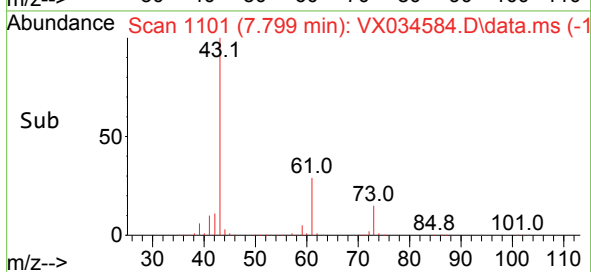
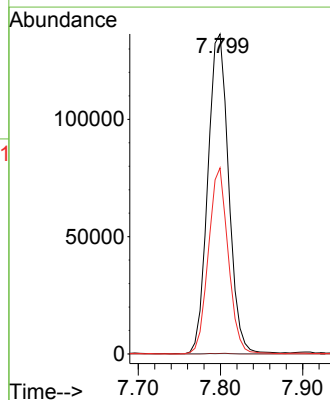
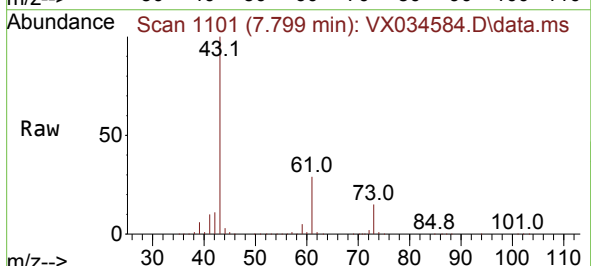
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#05

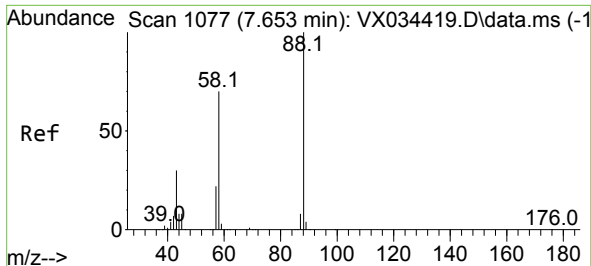
Tgt Ion: 43 Resp: 283622
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.2 9.8 14.8



#48
Methyl methacrylate
Concen: 65.763 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

Tgt Ion: 41 Resp: 238989
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.7 47.7 71.5





#49

1,4-Dioxane

Concen: 0.314 ug/l

RT: 7.677 min Scan# 1077

Delta R.T. 0.024 min

Lab File: VX034584.D

Acq: 17 Mar 2023 15:10

Instrument :

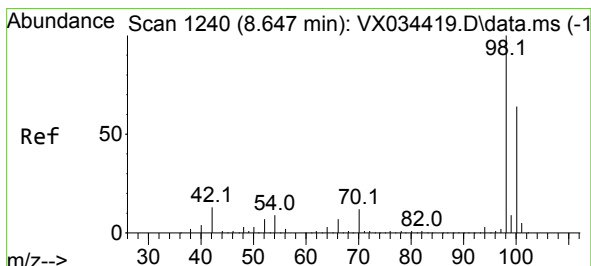
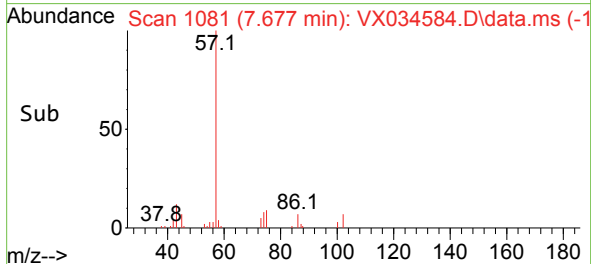
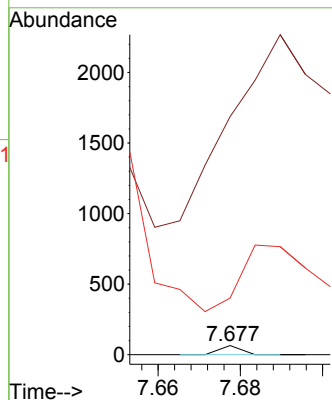
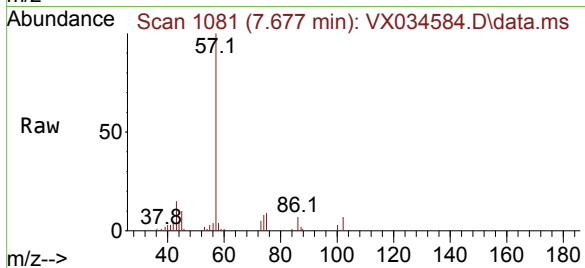
MSVOA_X

ClientSampleId :

PB151466ZHE#05

Tgt Ion: 88 Resp: 24

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	5366.7	56.8	85.2#



#50

Toluene-d8

Concen: 49.678 ug/l

RT: 8.647 min Scan# 1240

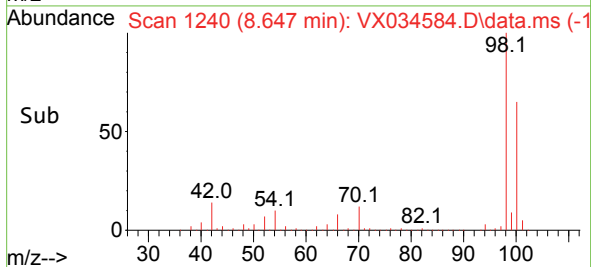
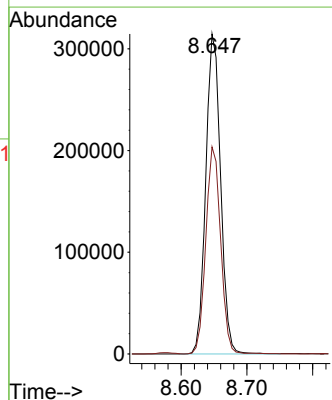
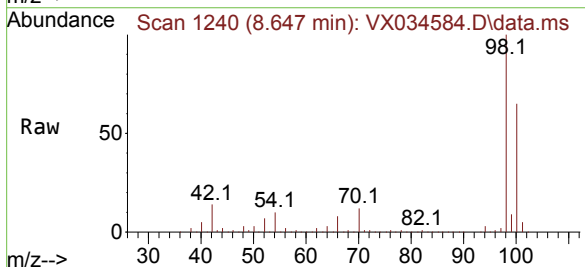
Delta R.T. 0.000 min

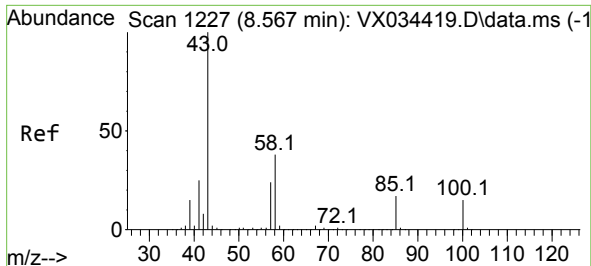
Lab File: VX034584.D

Acq: 17 Mar 2023 15:10

Tgt Ion: 98 Resp: 492962

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.5	78.7

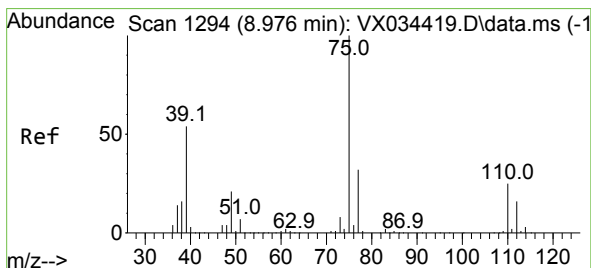
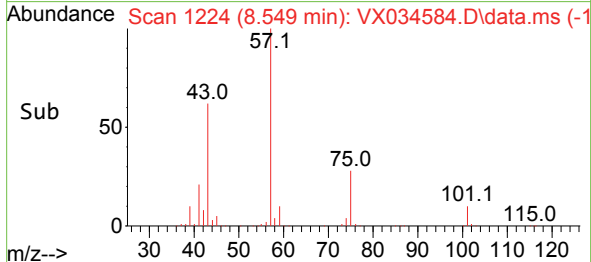
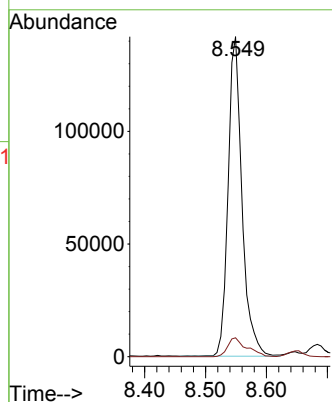
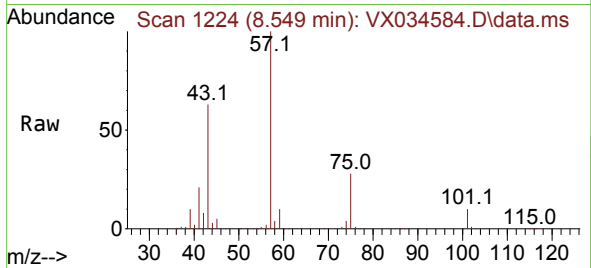




#51
4-Methyl-2-Pentanone
Concen: 51.227 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

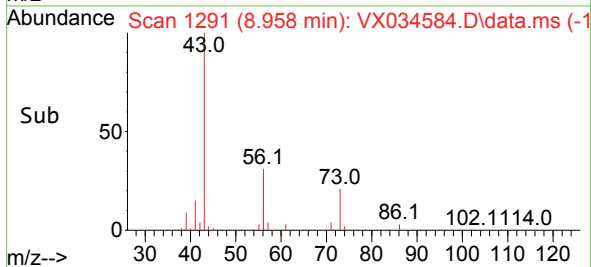
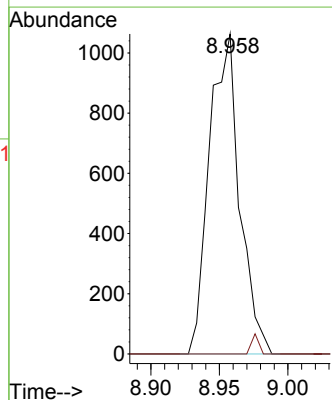
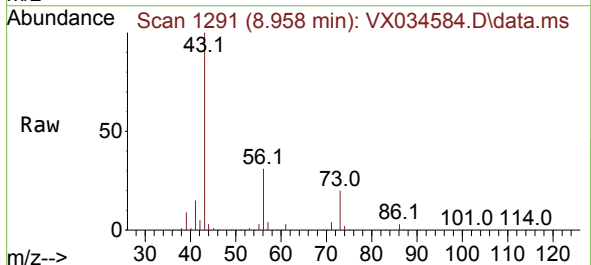
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#05

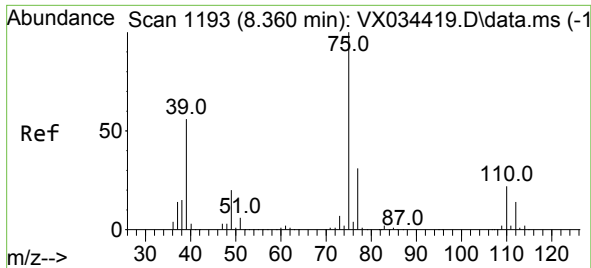
Tgt Ion: 43 Resp: 224547
Ion Ratio Lower Upper
43 100
58 8.1 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.352 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

Tgt Ion: 75 Resp: 1629
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

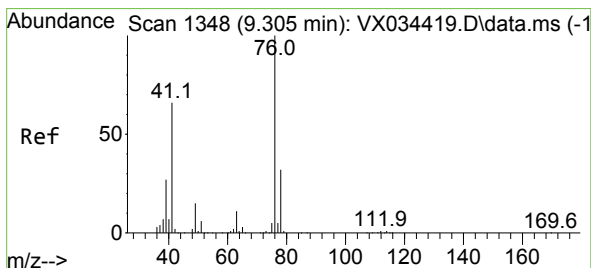
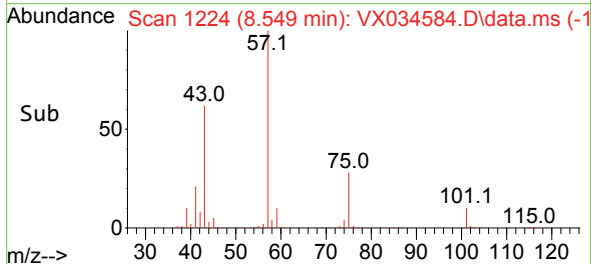
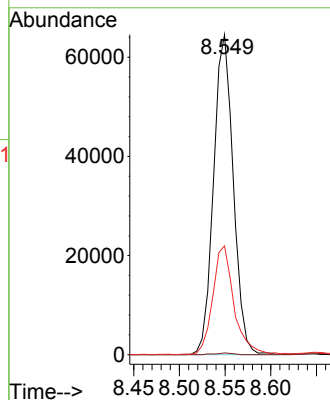
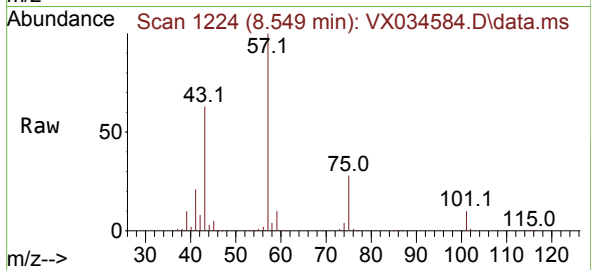




#54
 cis-1,3-Dichloropropene
 Concen: 19.311 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034584.D
 Acq: 17 Mar 2023 15:10

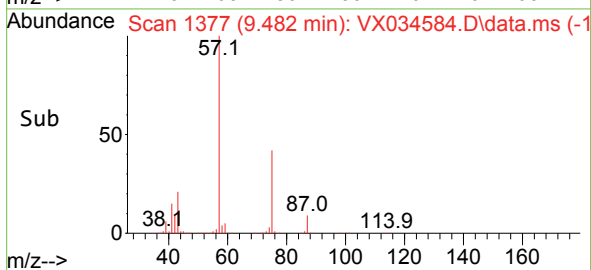
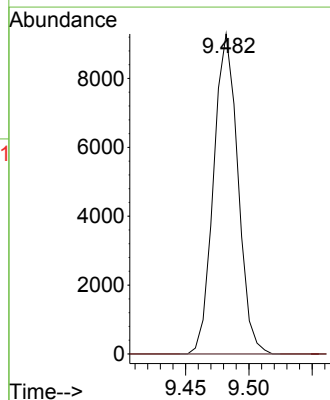
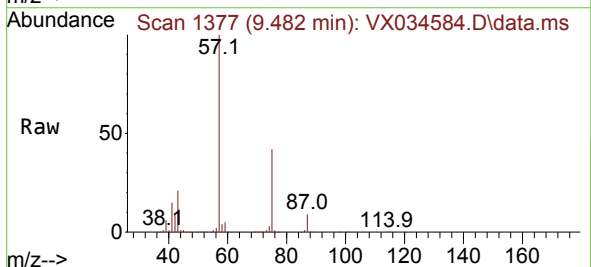
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#05

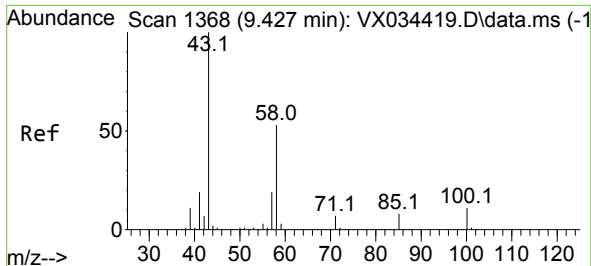
Tgt Ion: 75 Resp: 96582
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 33.9 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.382 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034584.D
 Acq: 17 Mar 2023 15:10

Tgt Ion: 76 Resp: 12421
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

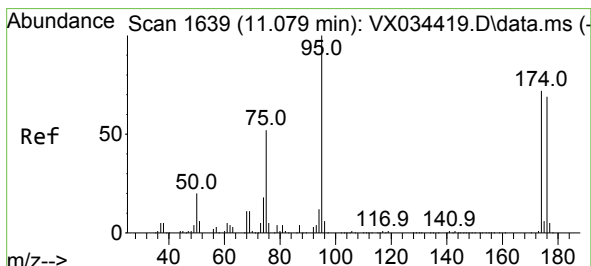
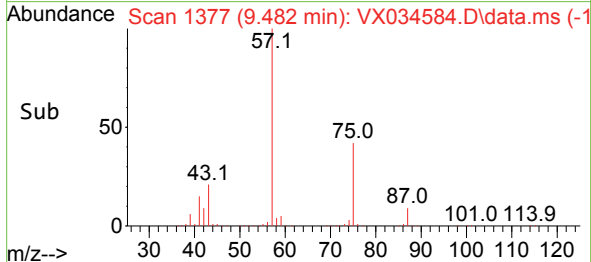
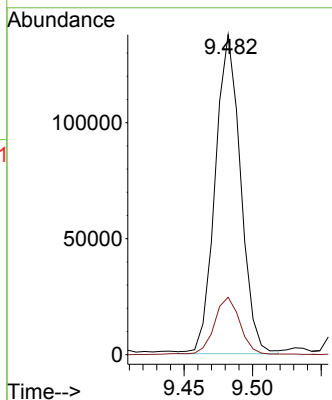
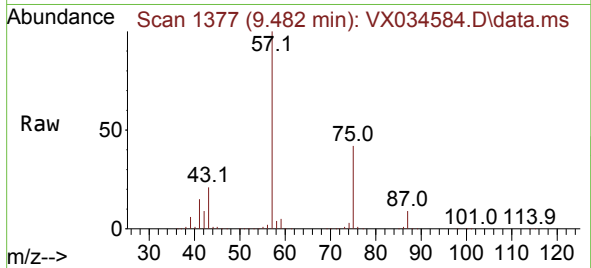




#59
2-Hexanone
Concen: 52.296 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

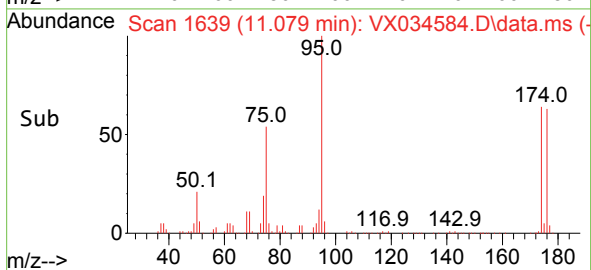
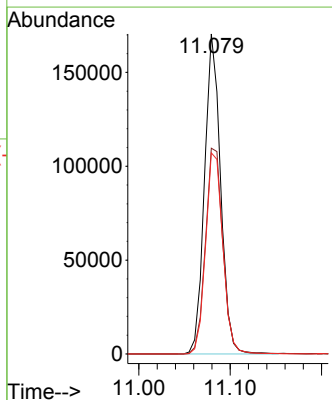
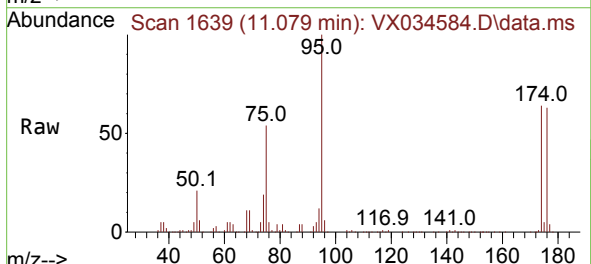
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#05

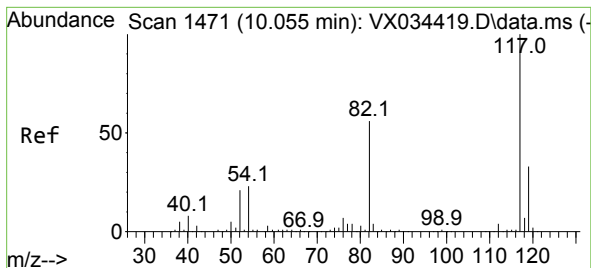
Tgt Ion: 43 Resp: 177199
Ion Ratio Lower Upper
43 100
58 18.7 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 51.910 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

Tgt Ion: 95 Resp: 208066
Ion Ratio Lower Upper
95 100
174 69.7 0.0 147.4
176 67.5 0.0 140.6

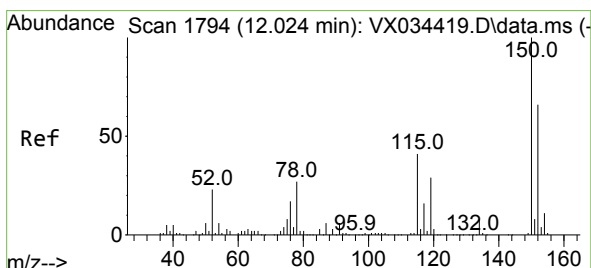
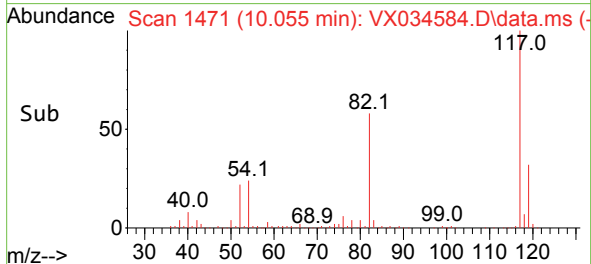
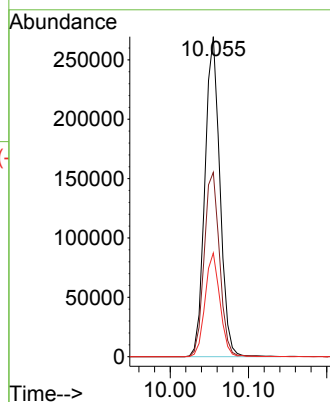
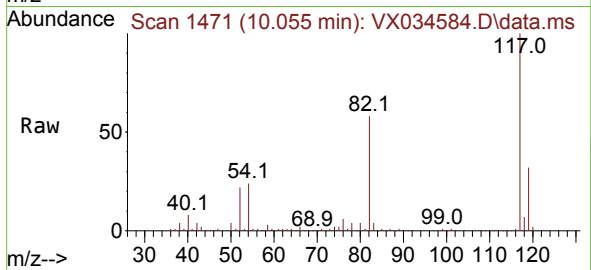




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

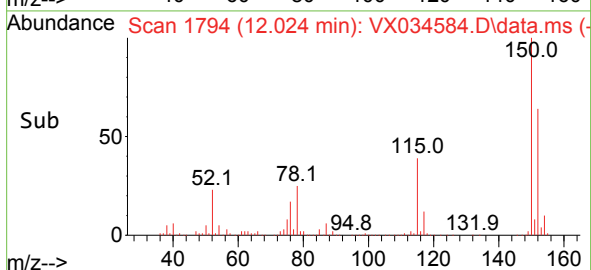
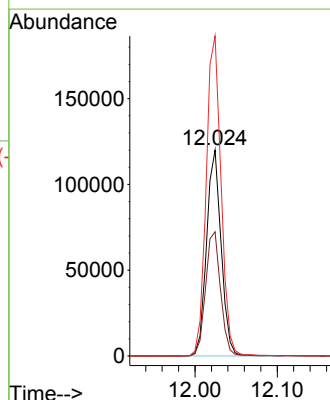
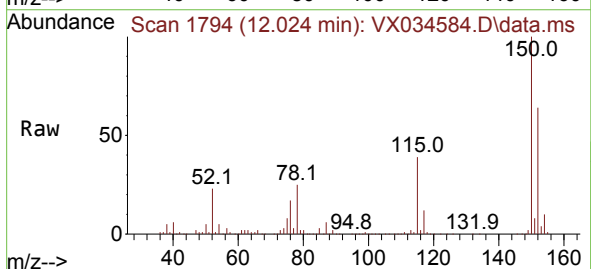
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#05

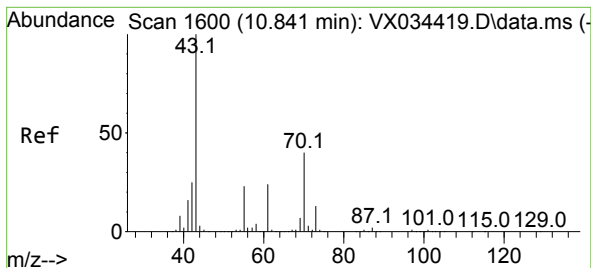
Tgt Ion:117 Resp: 358193
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.4
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034584.D
Acq: 17 Mar 2023 15:10

Tgt Ion:152 Resp: 147856
Ion Ratio Lower Upper
152 100
115 61.9 45.0 135.0
150 158.4 0.0 352.4





#74

N-amy1 acetate

Concen: 14.998 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034584.D

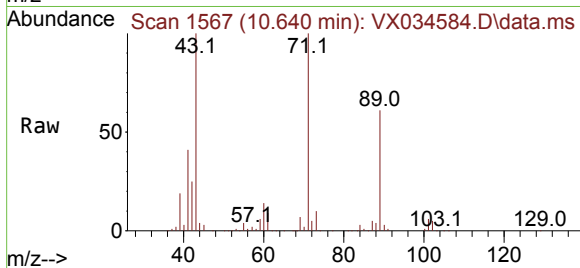
Acq: 17 Mar 2023 15:10

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#05



Tgt Ion: 43 Resp: 82092

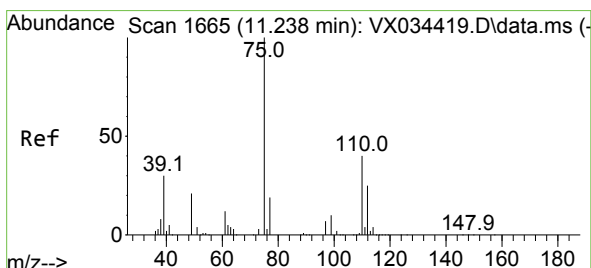
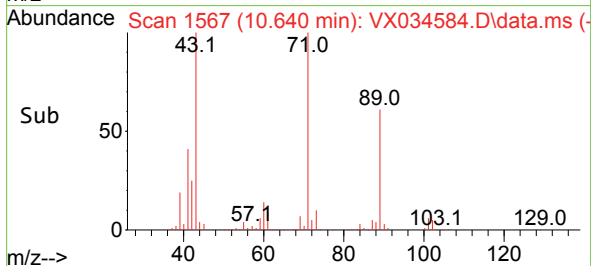
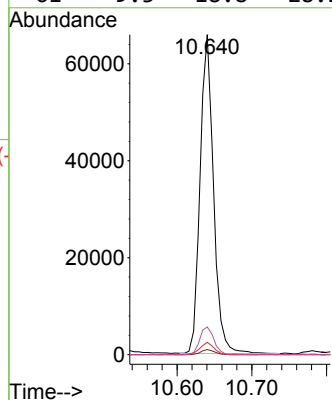
Ion Ratio Lower Upper

43 100

70 1.6 32.1 48.1#

55 4.0 18.3 27.5#

61 9.3 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 33.060 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034584.D

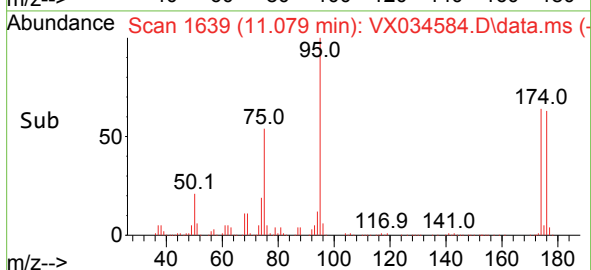
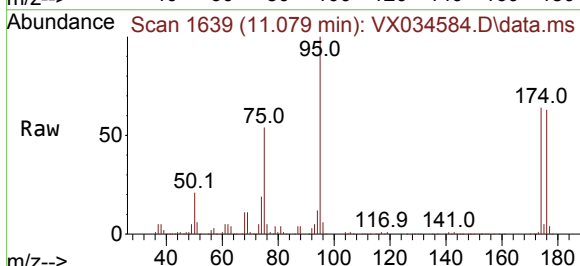
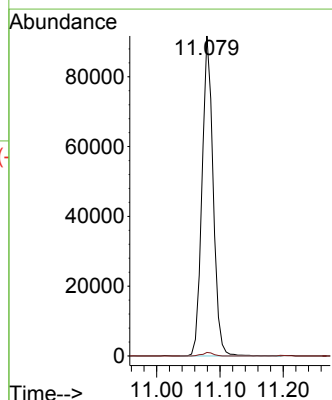
Acq: 17 Mar 2023 15:10

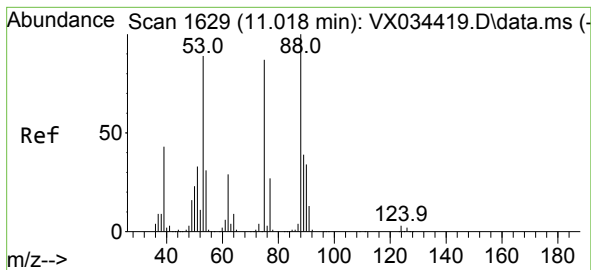
Tgt Ion: 75 Resp: 112238

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.438 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034584.D
 Acq: 17 Mar 2023 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#05

Tgt Ion: 75 Resp: 112238
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

