

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036406.D
 Acq On : 05 Jul 2023 16:07
 Operator : JC/MD
 Sample : PB153983ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#07

Quant Time: Jul 06 04:53:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

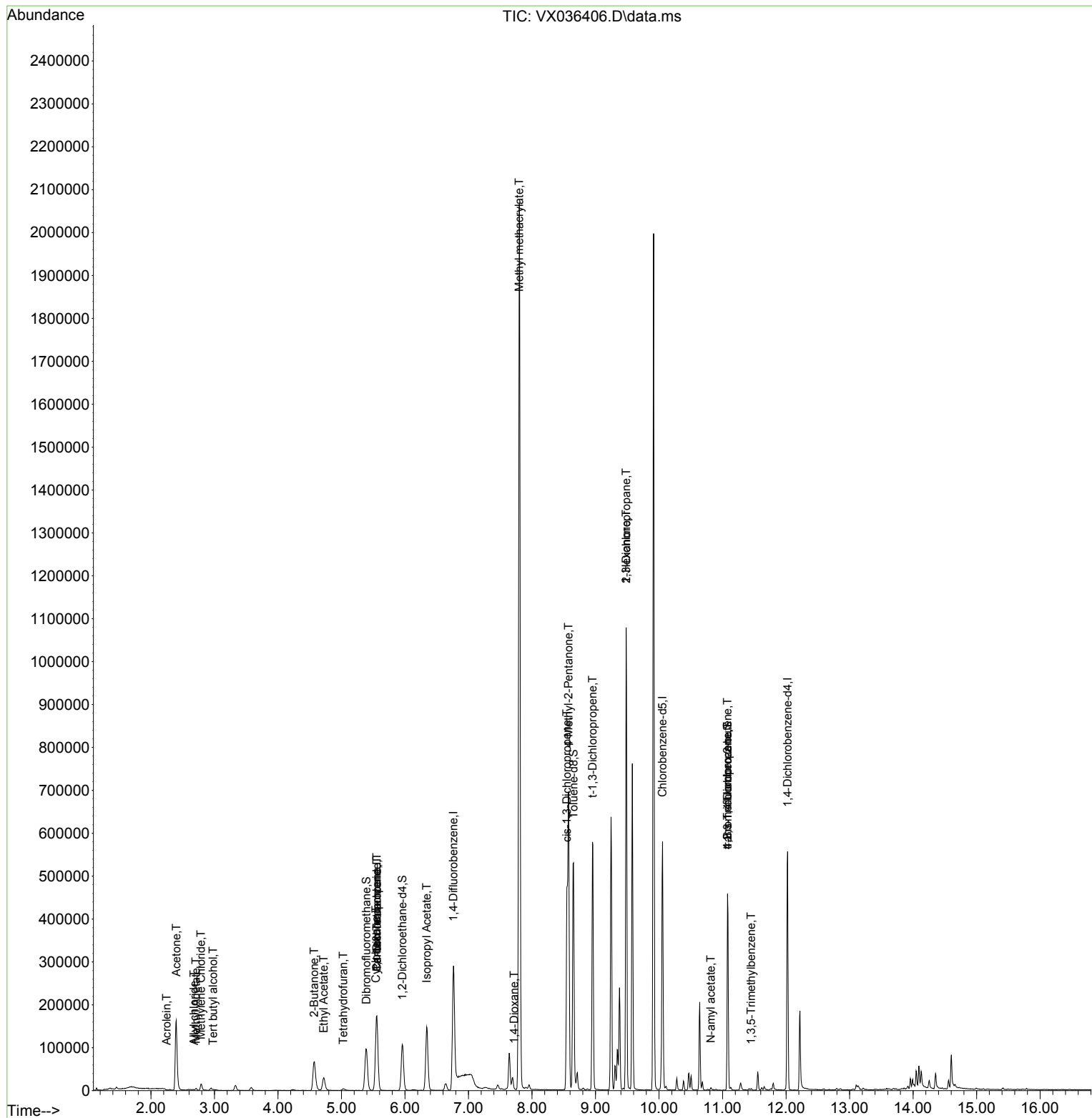
Internal Standards						
1) Pentafluorobenzene	5.556	168	163227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	273878	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104404	44.622	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.240%
35) Dibromofluoromethane	5.391	113	85713	47.463	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.920%
50) Toluene-d8	8.652	98	329569	48.862	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.720%
62) 4-Bromofluorobenzene	11.079	95	117659	49.524	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	3628	8.518	ug/l	97
13) Acrolein	2.245	56	118	0.202	ug/l #	40
14) Allyl chloride	2.678	41	1665	0.552	ug/l #	47
16) Acetone	2.398	43	219924	219.908	ug/l	93
18) Methyl Acetate	2.708	43	4467	1.086	ug/l	94
20) Methylene Chloride	2.788	84	7117	3.305	ug/l	95
25) 2-Butanone	4.568	43	120567	83.907	ug/l	96
29) Tetrahydrofuran	5.025	42	3766	4.117	ug/l #	79
31) Cyclohexane	5.543	56	3830	1.277	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	13098	4.866	ug/l #	50
37) Ethyl Acetate	4.720	43	53614	19.541	ug/l	98
38) Carbon Tetrachloride	5.556	117	16666	6.779	ug/l #	15
43) Isopropyl Acetate	6.342	43	201829	46.113	ug/l	99
48) Methyl methacrylate	7.799	41	172950	79.252	ug/l #	48
49) 1,4-Dioxane	7.720	88	31	0.641	ug/l #	12
51) 4-Methyl-2-Pentanone	8.573	43	526305	186.645	ug/l #	87
53) t-1,3-Dichloropropene	8.951	75	1272	0.483	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	68892	23.142	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	8808	2.595	ug/l #	43
59) 2-Hexanone	9.482	43	120266	58.405	ug/l #	54
74) N-amyl acetate	10.817	43	1667	0.485	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	61310	24.950	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1528	0.208	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	61310	81.330	ug/l #	5

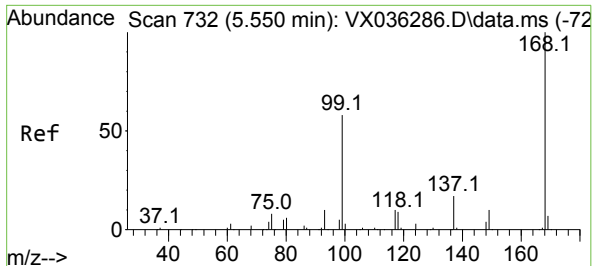
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 06 04:53:12 2023
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Quant Title : SW846 8260
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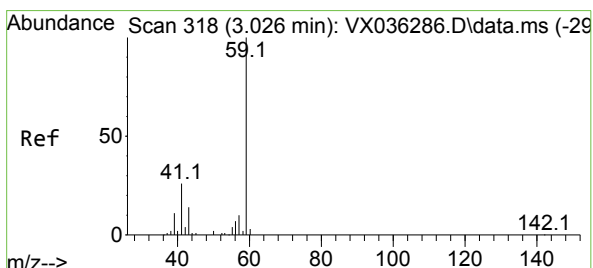
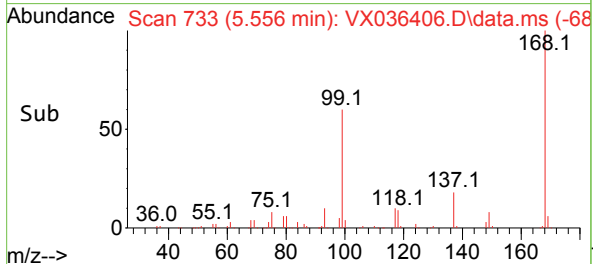
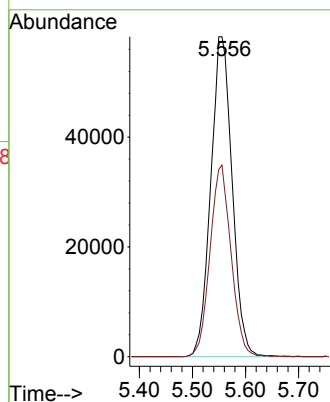
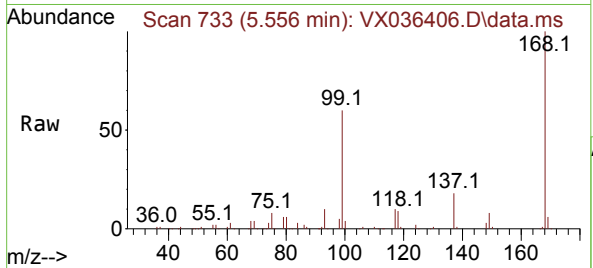




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

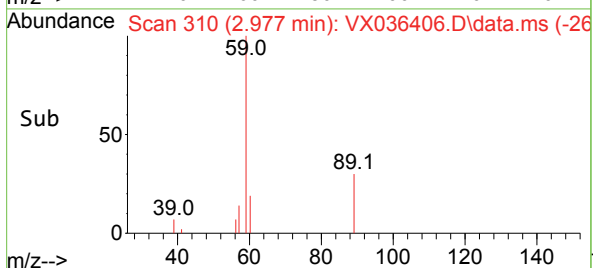
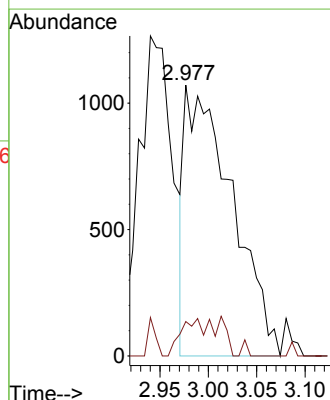
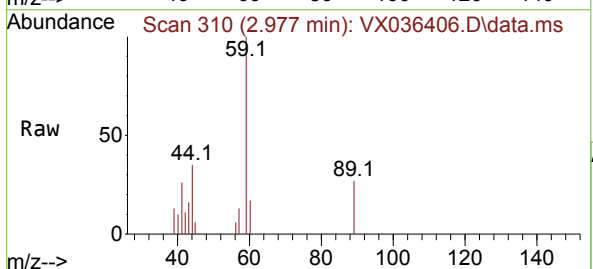
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#07

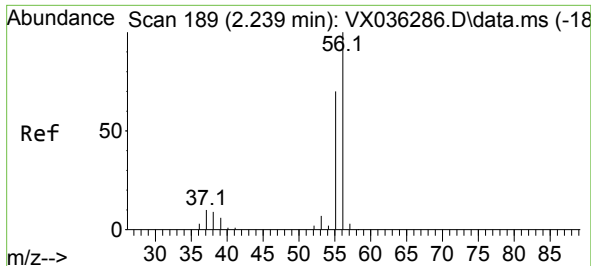
Tgt Ion:168 Resp: 163227
Ion Ratio Lower Upper
168 100
99 59.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 8.518 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.036 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Tgt Ion: 59 Resp: 3628
Ion Ratio Lower Upper
59 100
57 6.3 6.0 9.0





#13

Acrolein

Concen: 0.202 ug/l

RT: 2.245 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX036406.D

Acq: 05 Jul 2023 16:07

Instrument :

MSVOA_X

ClientSampleId :

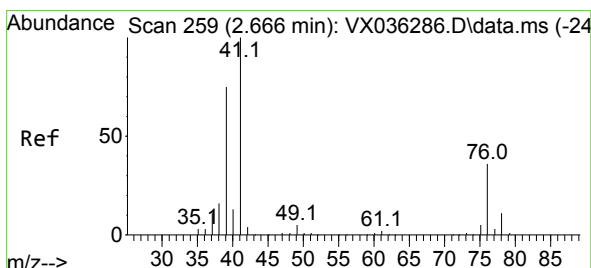
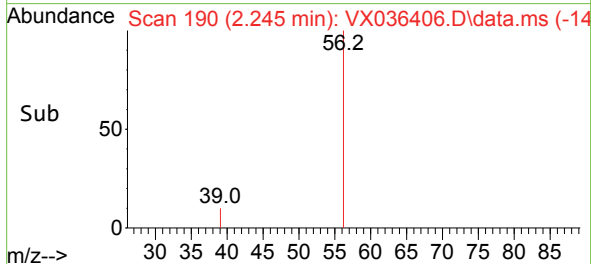
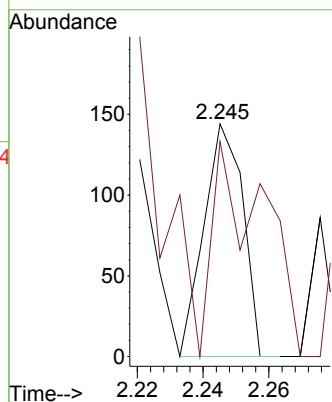
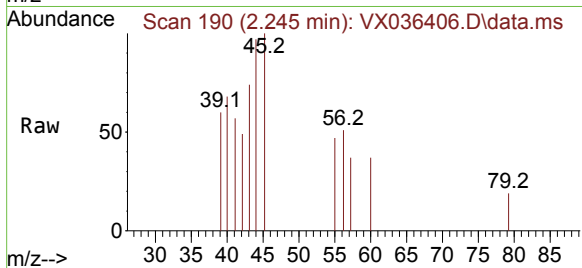
PB153983ZHE#07

Tgt Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 121.2 57.1 85.7#



#14

Allyl chloride

Concen: 0.552 ug/l

RT: 2.678 min Scan# 261

Delta R.T. 0.012 min

Lab File: VX036406.D

Acq: 05 Jul 2023 16:07

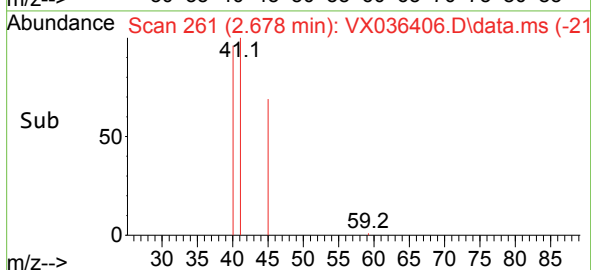
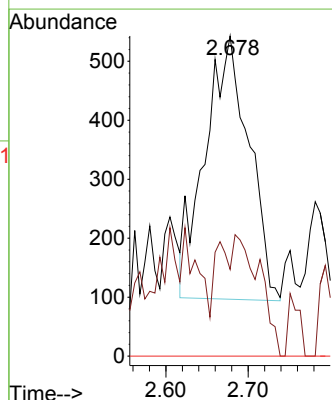
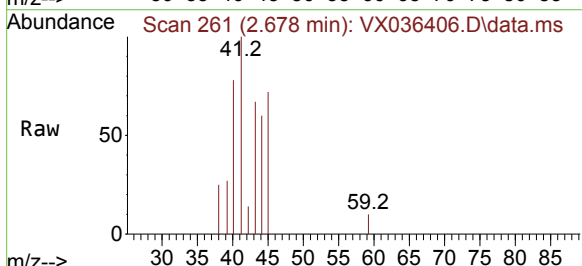
Tgt Ion: 41 Resp: 1665

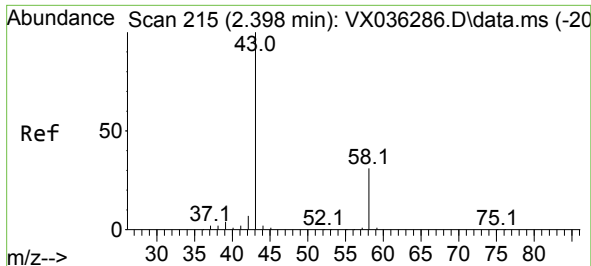
Ion Ratio Lower Upper

41 100

39 27.6 55.8 83.6#

76 0.0 24.3 36.5#

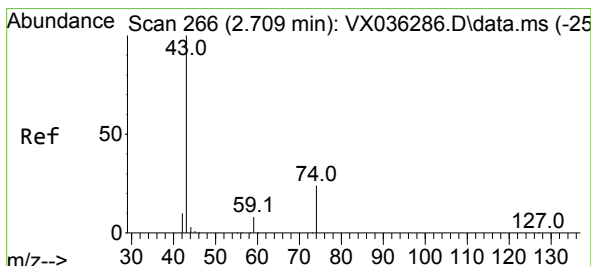
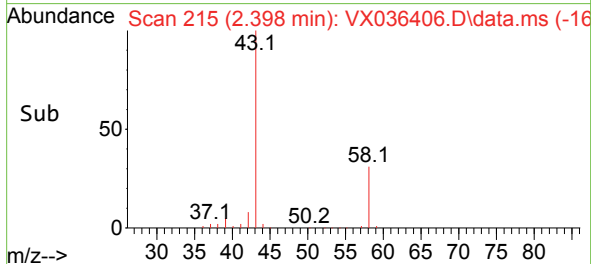
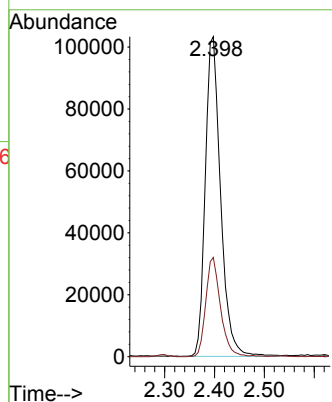
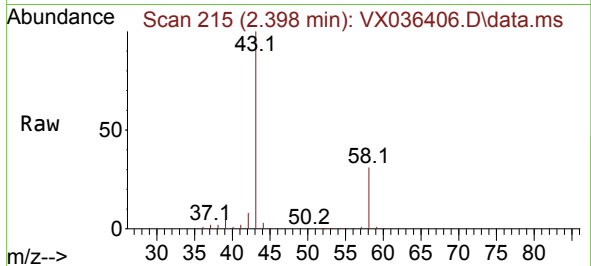




#16
Acetone
Concen: 219.908 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

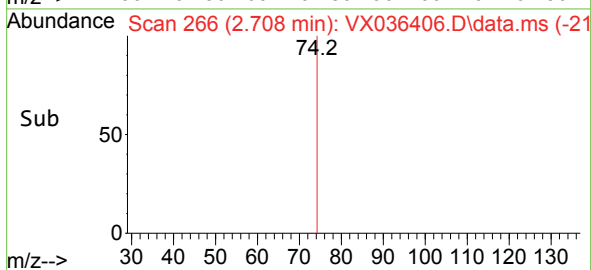
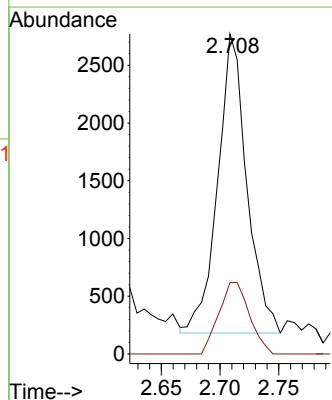
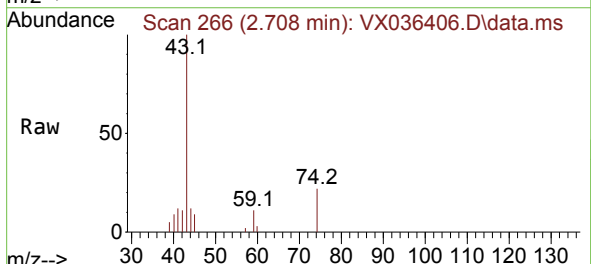
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#07

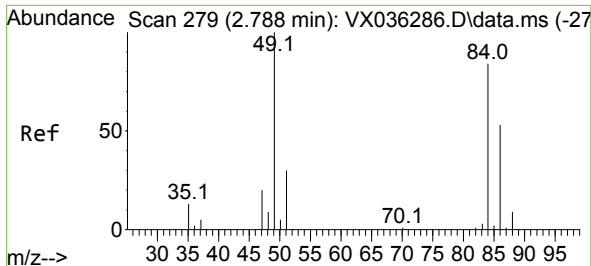
Tgt Ion: 43 Resp: 219924
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9



#18
Methyl Acetate
Concen: 1.086 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.001 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

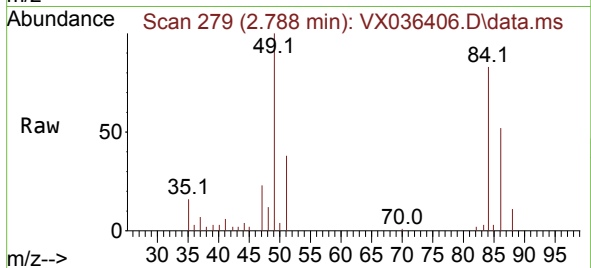
Tgt Ion: 43 Resp: 4467
Ion Ratio Lower Upper
43 100
74 25.2 17.8 26.8



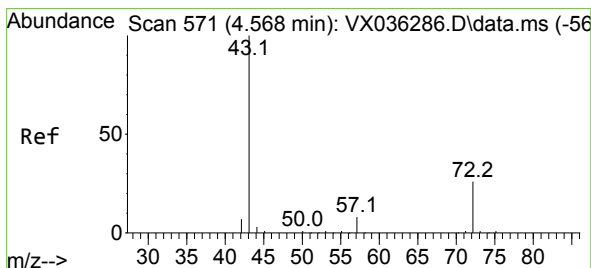
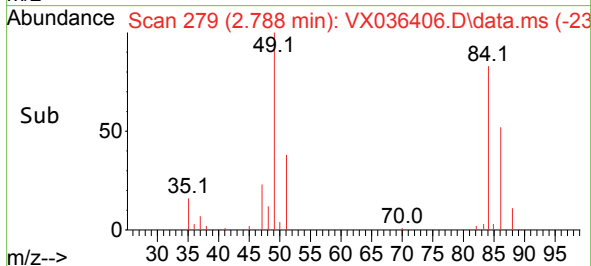
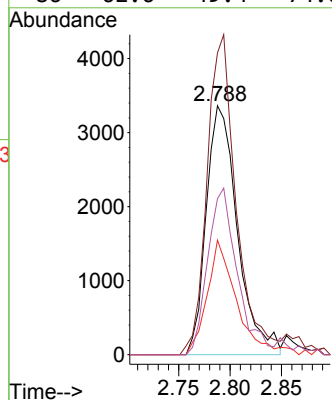


#20
Methylene Chloride
Concen: 3.305 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#07

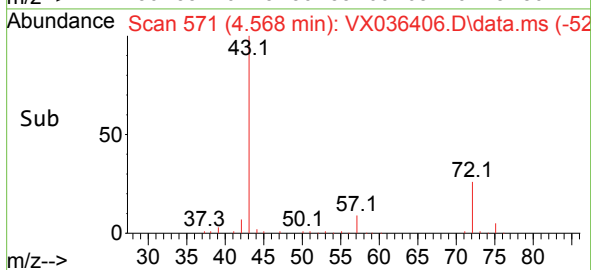
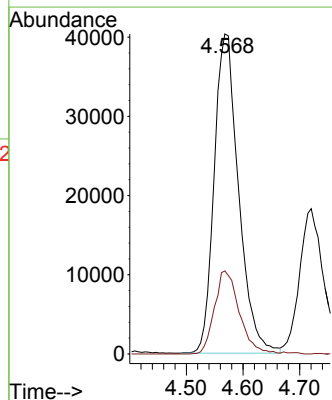
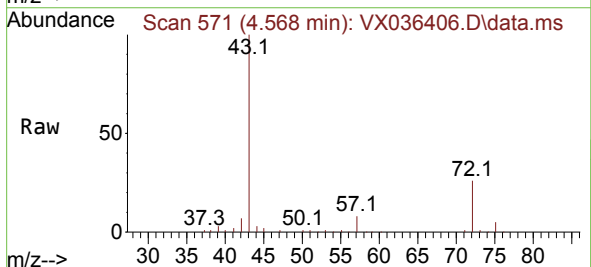


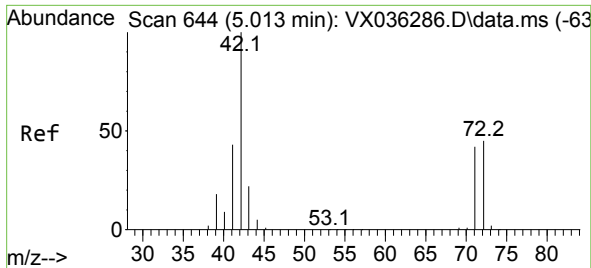
Tgt Ion: 84	Resp: 7117
Ion Ratio	Lower Upper
84 100	
49 121.2	103.6 155.4
51 46.0	33.8 50.6
86 62.6	49.4 74.0



#25
2-Butanone
Concen: 83.907 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Tgt Ion: 43	Resp: 120567
Ion Ratio	Lower Upper
43 100	
72 26.0	19.4 29.2





#29

Tetrahydrofuran

Concen: 4.117 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX036406.D

Acq: 05 Jul 2023 16:07

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#07

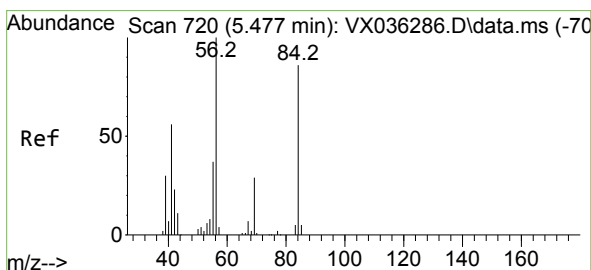
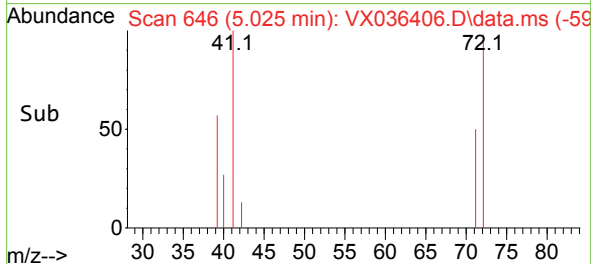
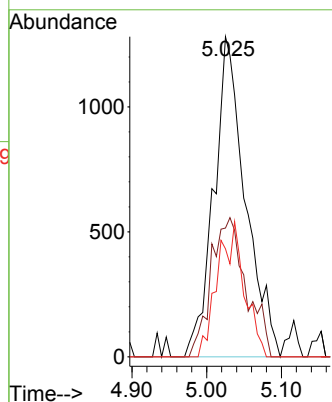
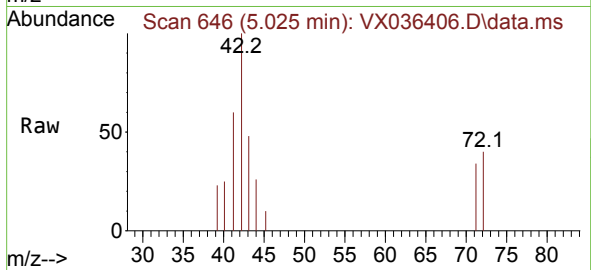
Tgt Ion: 42 Resp: 3766

Ion Ratio Lower Upper

42 100

72 48.3 34.2 51.4

71 18.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX036406.D

Acq: 05 Jul 2023 16:07

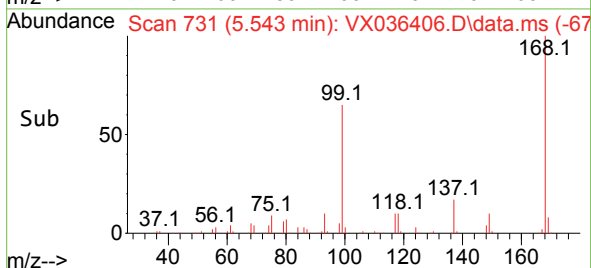
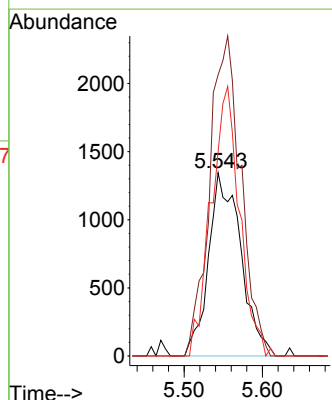
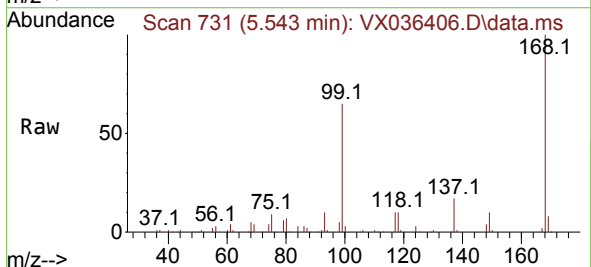
Tgt Ion: 56 Resp: 3830

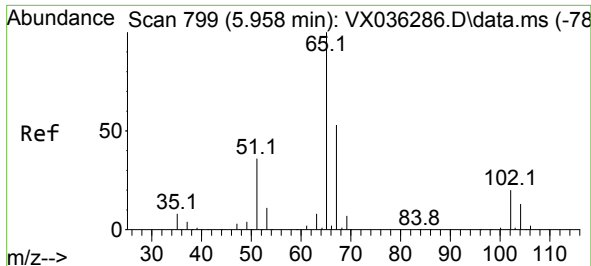
Ion Ratio Lower Upper

56 100

69 153.5 23.4 35.2#

84 111.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.622 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX036406.D

Acq: 05 Jul 2023 16:07

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ClientSampleId :

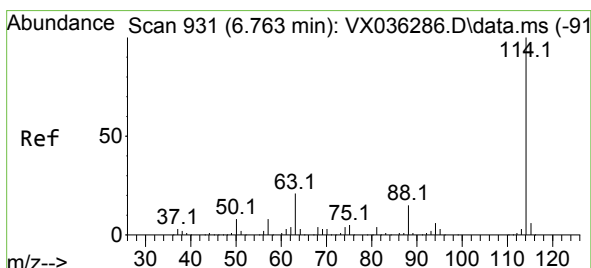
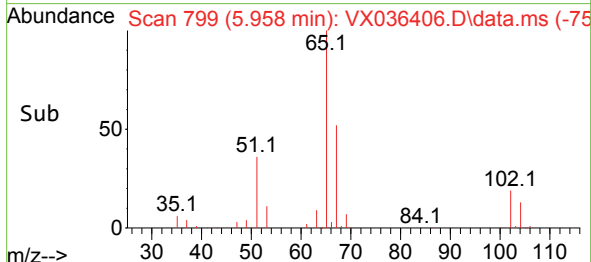
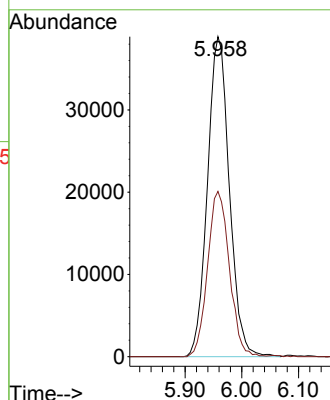
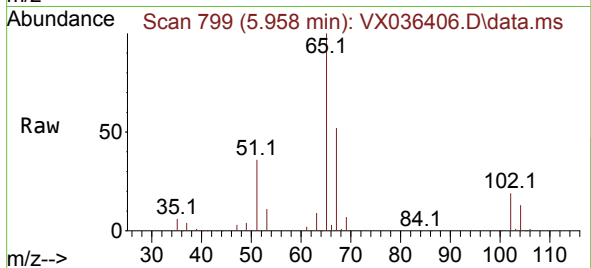
PB153983ZHE#07

Tgt Ion: 65 Resp: 104404

Ion Ratio Lower Upper

65 100

67 51.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036406.D

Acq: 05 Jul 2023 16:07

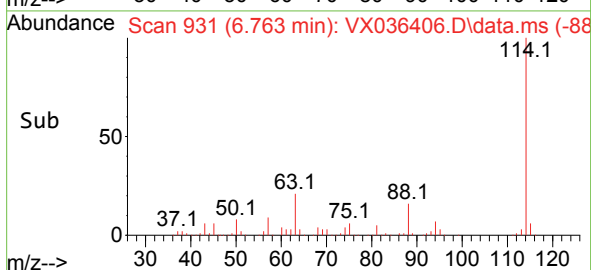
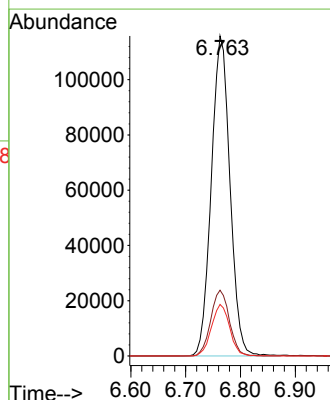
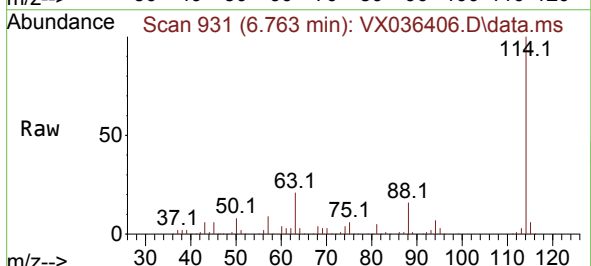
Tgt Ion: 114 Resp: 273878

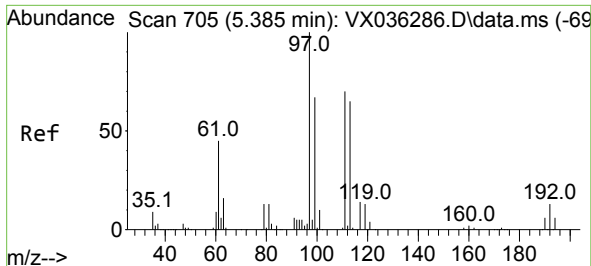
Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

88 16.1 0.0 36.6

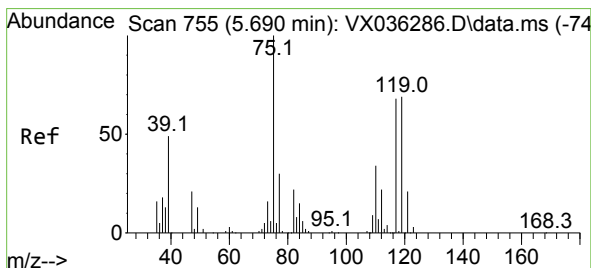
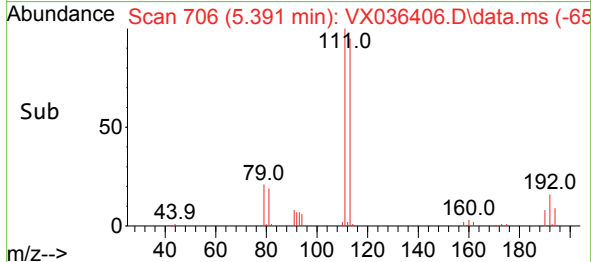
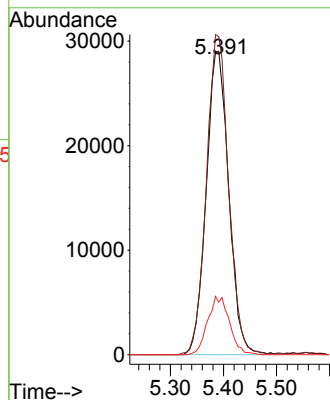
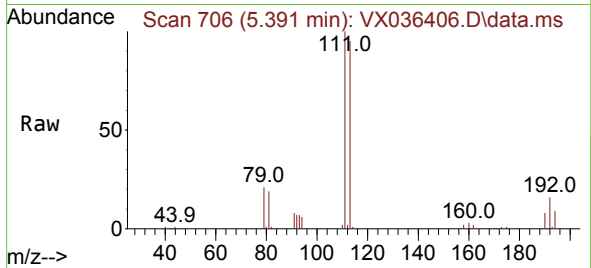




#35
Dibromofluoromethane
Concen: 47.463 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

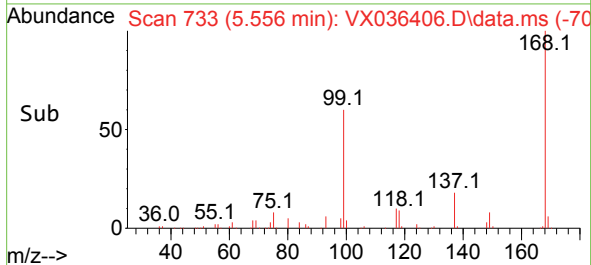
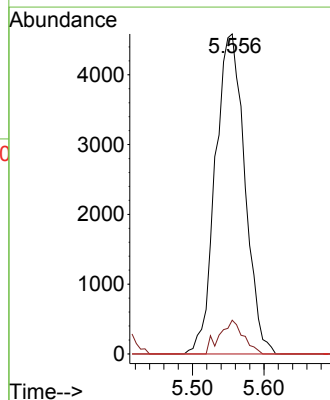
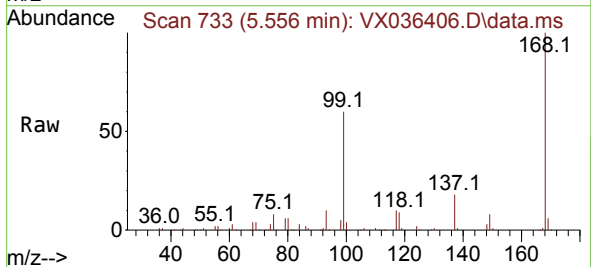
Instrument :
MSVOA_X
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PB153983ZHE#07

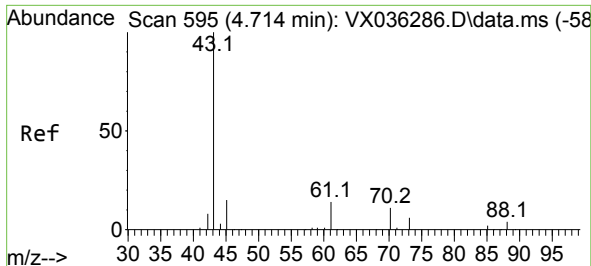
Tgt Ion:113 Resp: 85713
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.866 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Tgt Ion: 75 Resp: 13098
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#

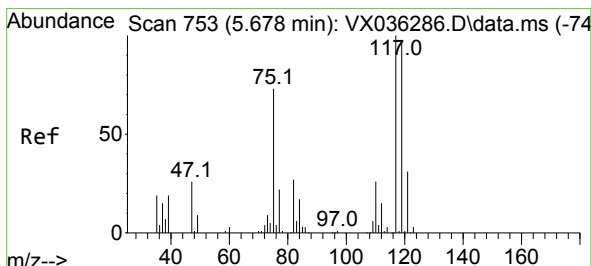
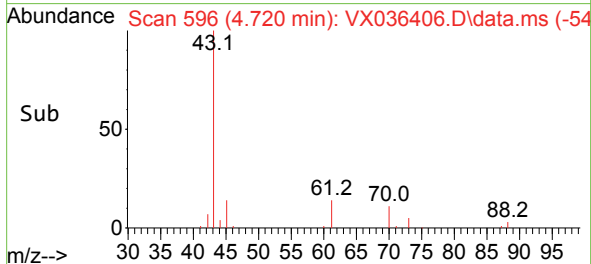
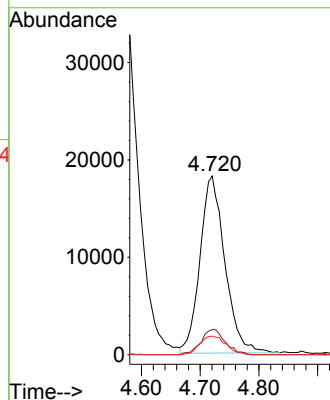
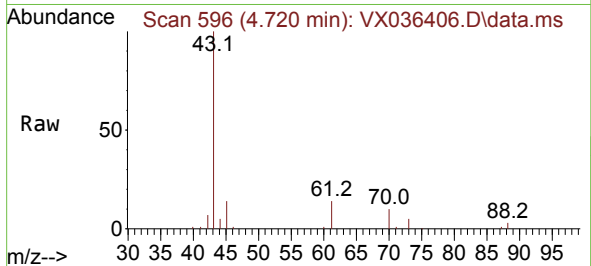




#37
Ethyl Acetate
Concen: 19.541 ug/l
RT: 4.720 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

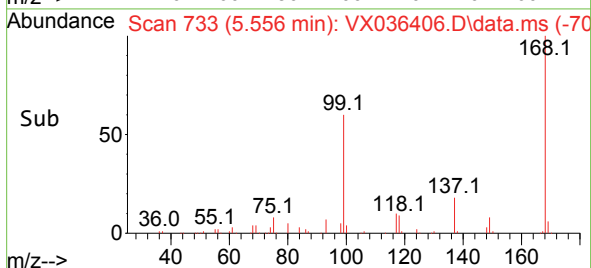
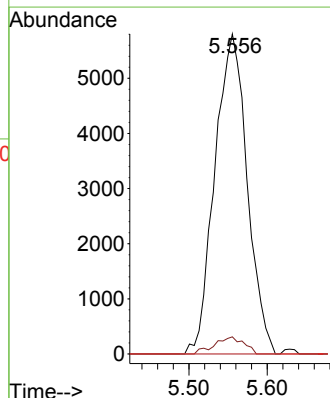
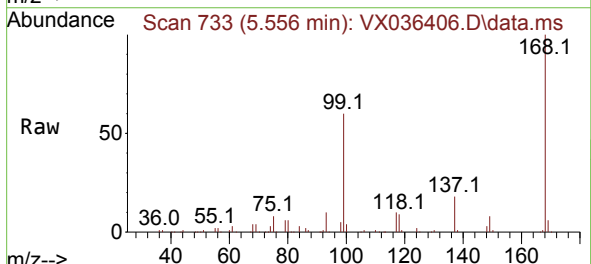
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#07

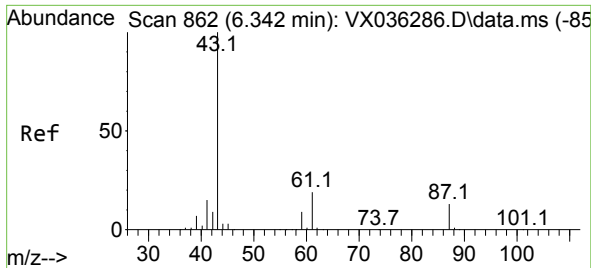
Tgt Ion: 43 Resp: 53614
Ion Ratio Lower Upper
43 100
61 13.9 10.6 16.0
70 11.0 8.3 12.5



#38
Carbon Tetrachloride
Concen: 6.779 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Tgt Ion: 117 Resp: 16666
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#

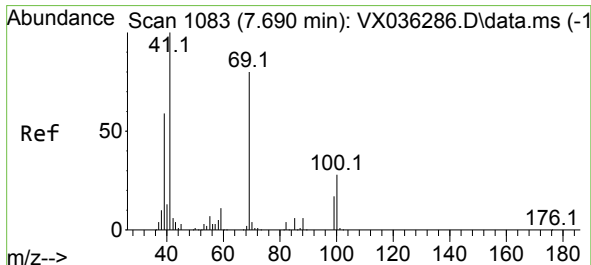
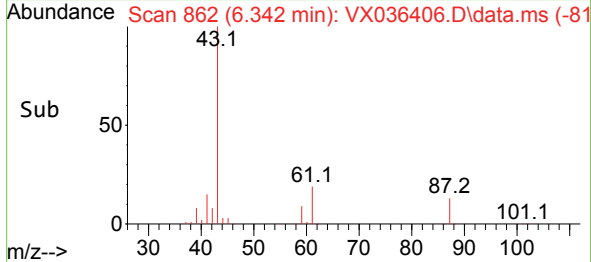
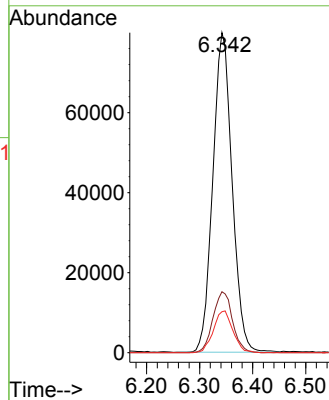
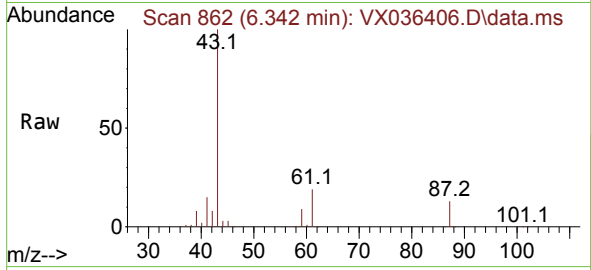




#43
Isopropyl Acetate
Concen: 46.113 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

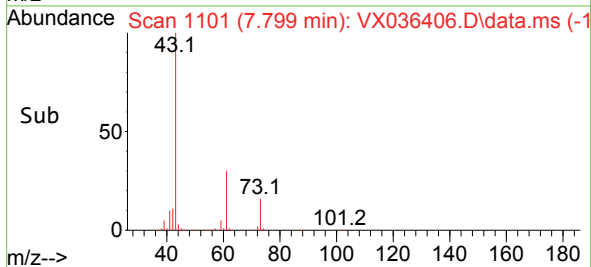
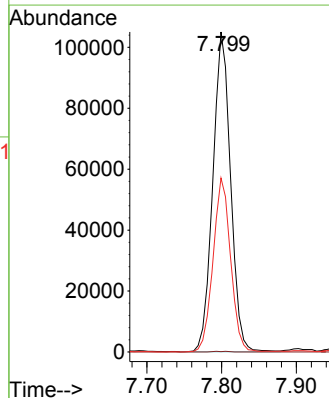
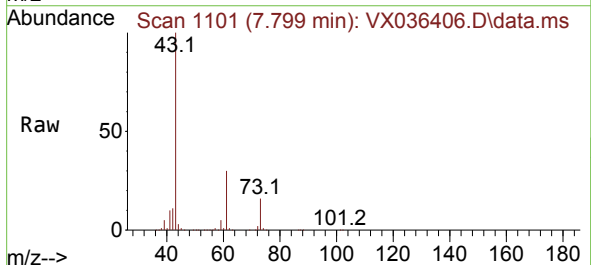
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#07

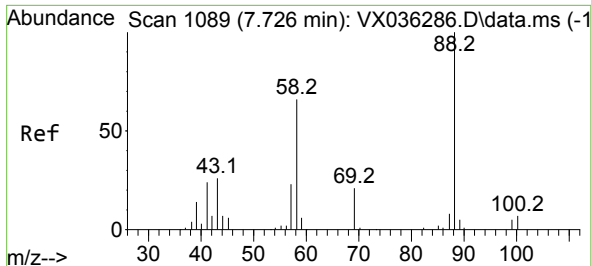
Tgt Ion:	43	Resp:	201829
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	13.2	9.8	14.6



#48
Methyl methacrylate
Concen: 79.252 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Tgt Ion:	41	Resp:	172950
Ion	Ratio	Lower	Upper
41	100		
69	0.2	59.2	88.8#
39	54.0	47.7	71.5

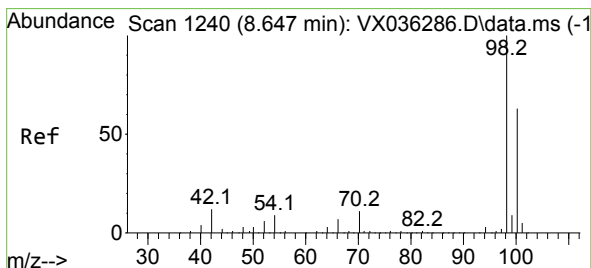
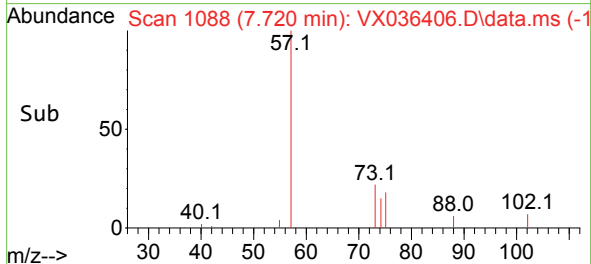
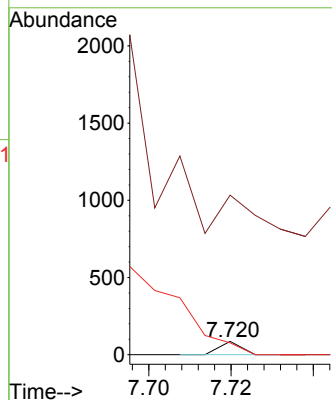
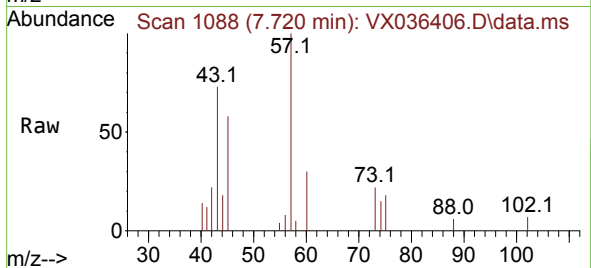




#49
1,4-Dioxane
Concen: 0.641 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. -0.012 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

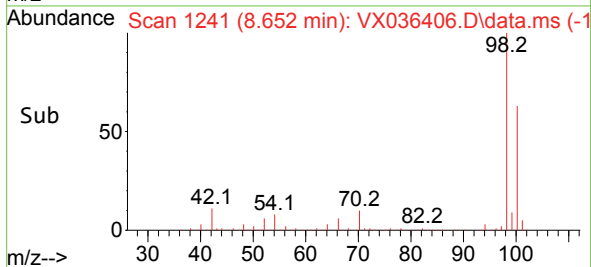
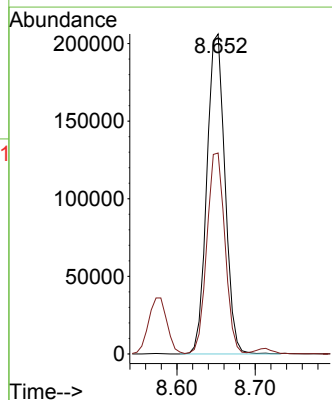
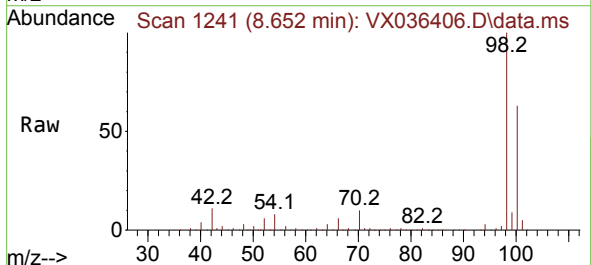
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#07

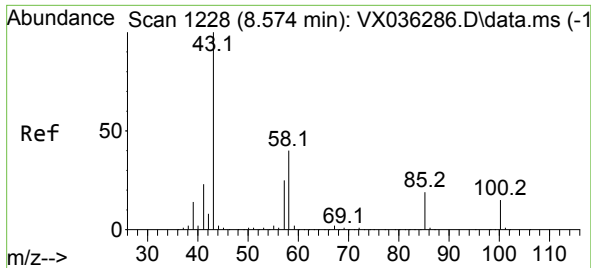
Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.862 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Tgt Ion: 98 Resp: 329569
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7

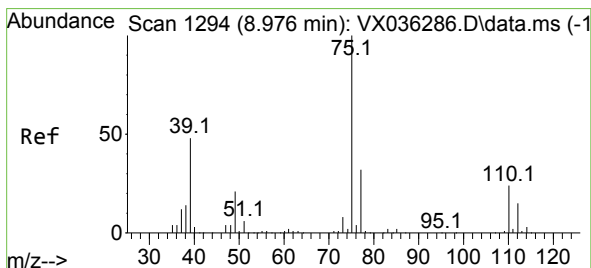
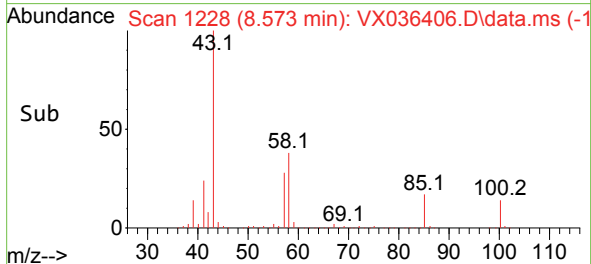
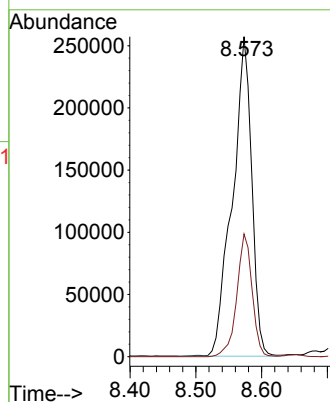
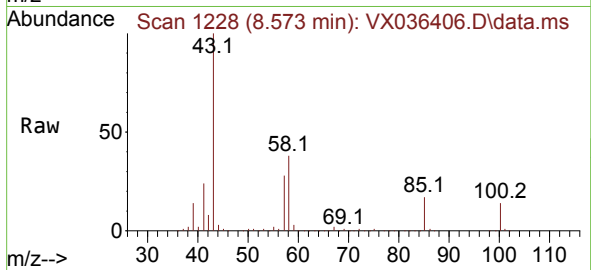




#51
4-Methyl-2-Pentanone
Concen: 186.645 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

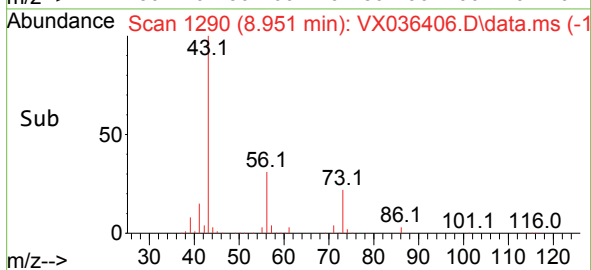
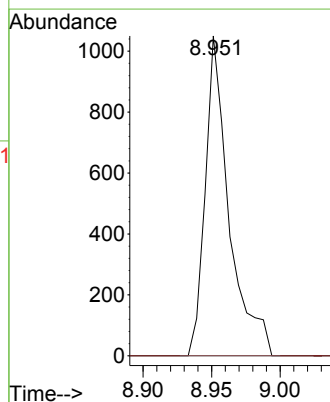
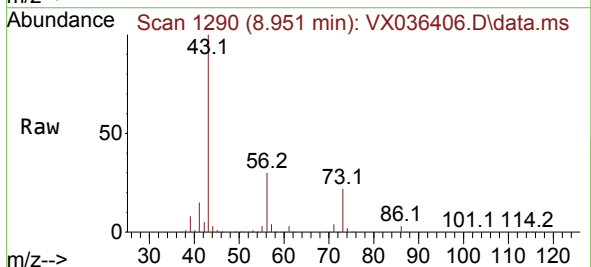
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#07

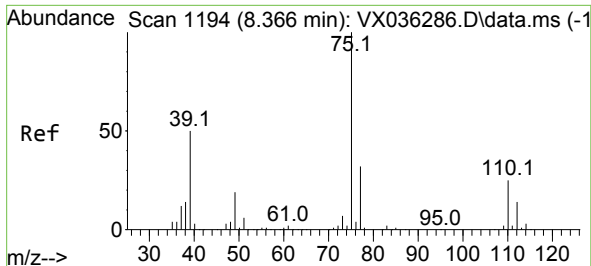
Tgt Ion: 43 Resp: 526305
Ion Ratio Lower Upper
43 100
58 30.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.483 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Tgt Ion: 75 Resp: 1272
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

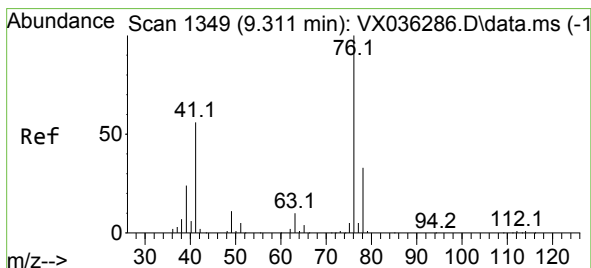
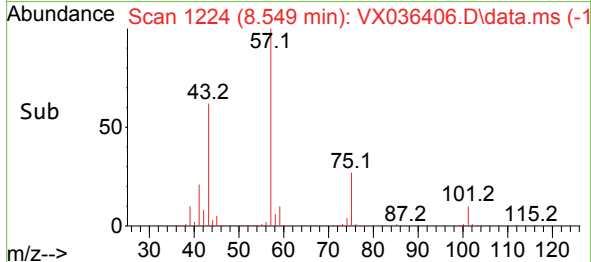
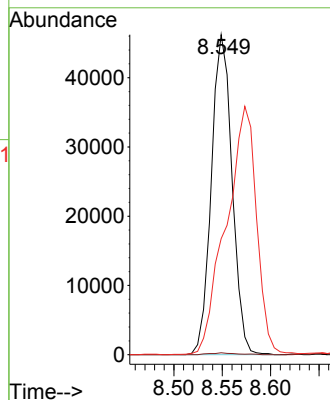
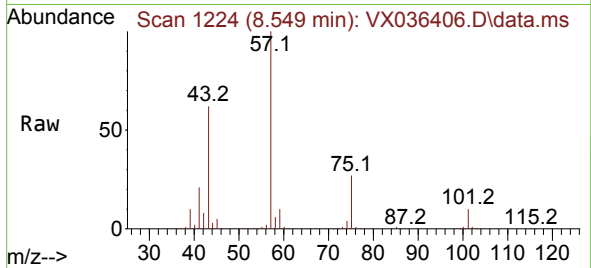




#54
 cis-1,3-Dichloropropene
 Concen: 23.142 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036406.D
 Acq: 05 Jul 2023 16:07

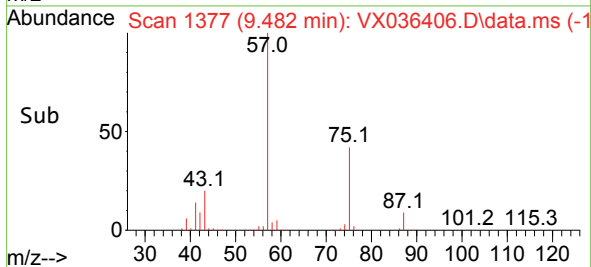
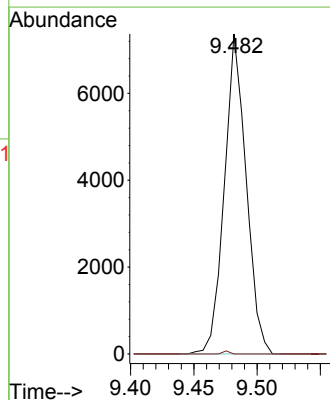
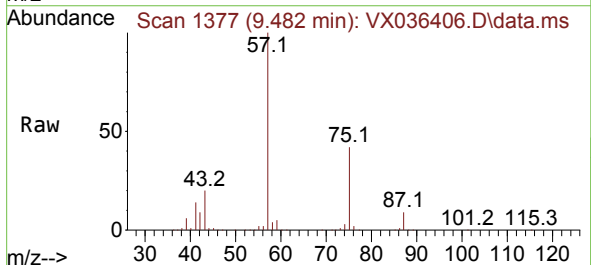
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#07

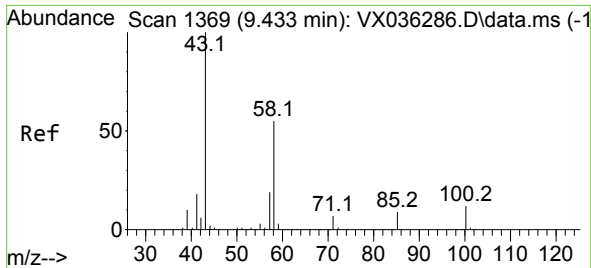
Tgt Ion: 75 Resp: 68892
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 36.1 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.595 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036406.D
 Acq: 05 Jul 2023 16:07

Tgt Ion: 76 Resp: 8808
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.1 39.1#

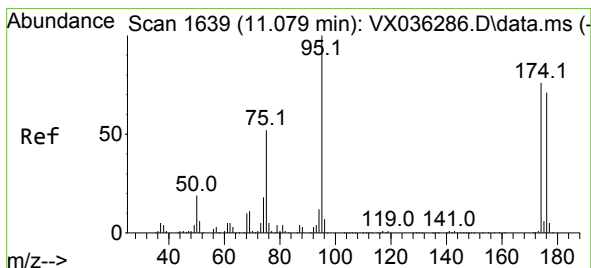
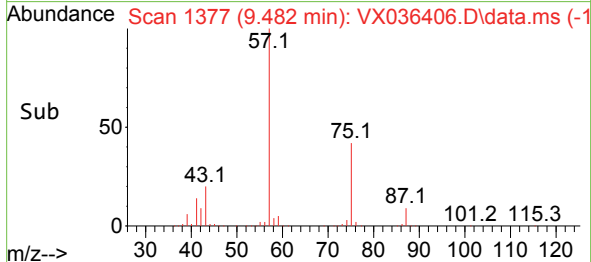
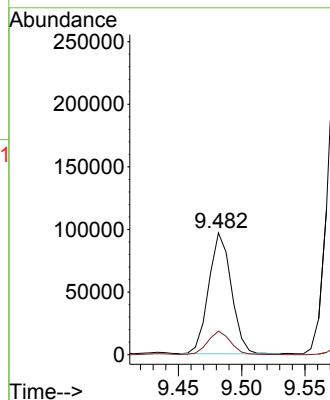
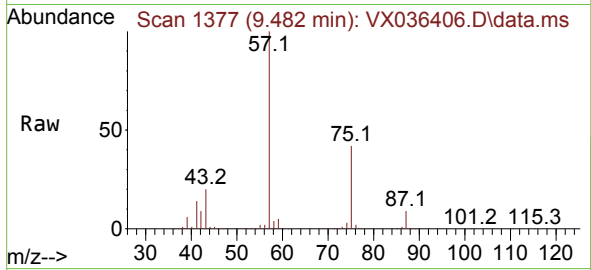




#59
2-Hexanone
Concen: 58.405 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

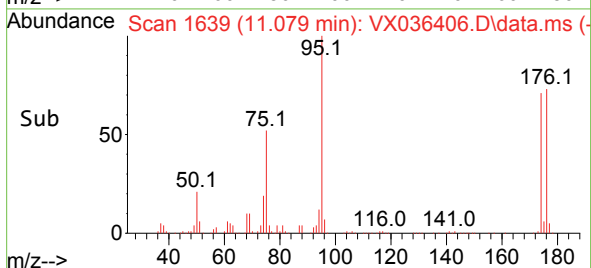
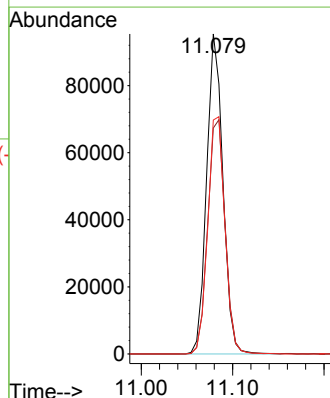
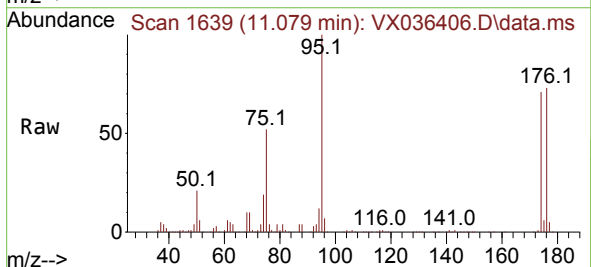
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#07

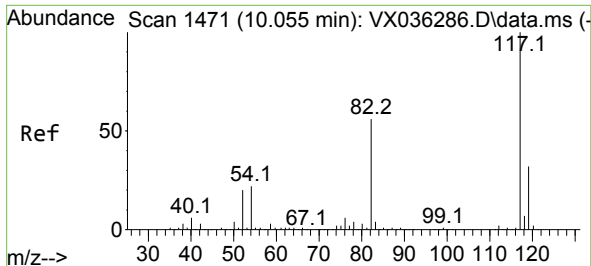
Tgt Ion: 43 Resp: 120266
Ion Ratio Lower Upper
43 100
58 19.7 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.524 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Tgt Ion: 95 Resp: 117659
Ion Ratio Lower Upper
95 100
174 78.4 0.0 135.6
176 78.2 0.0 131.0

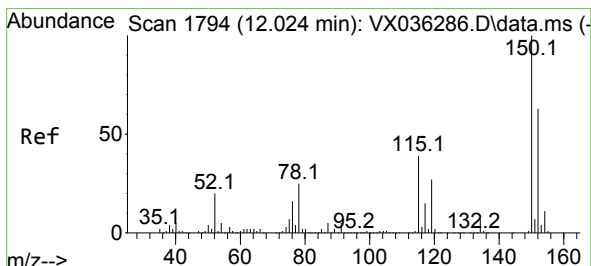
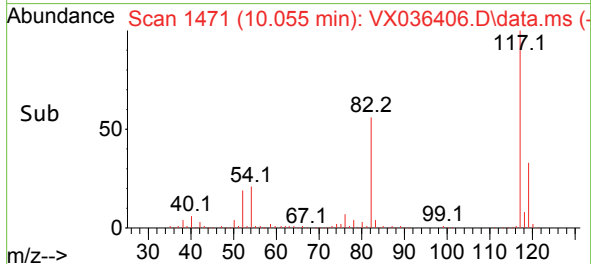
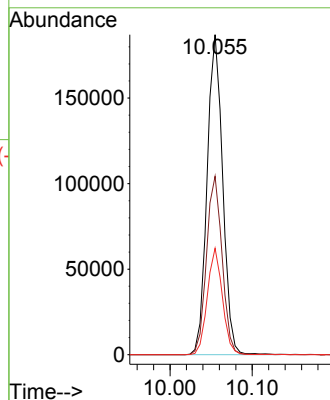
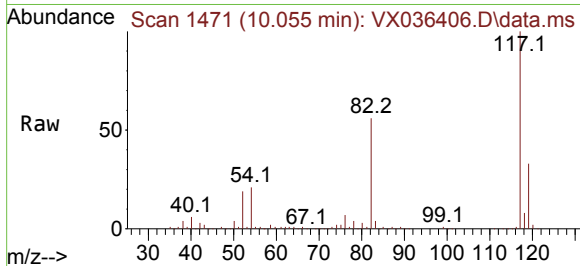




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

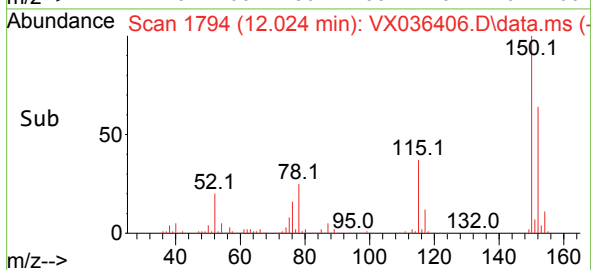
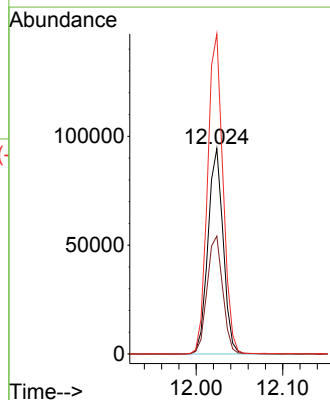
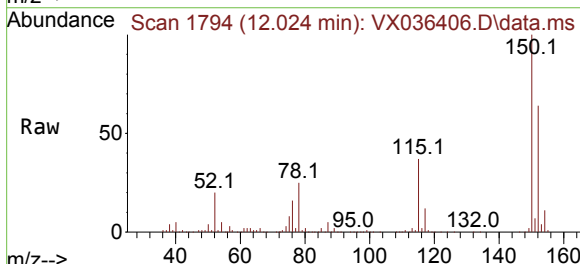
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#07

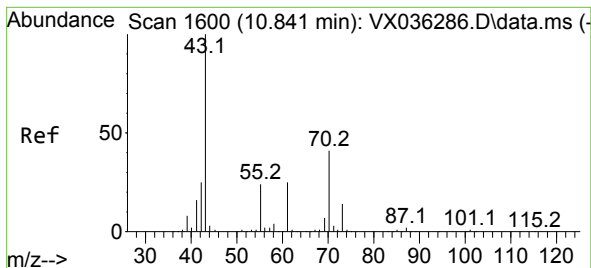
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.2	69.4
119	33.3	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036406.D
Acq: 05 Jul 2023 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	43.3	129.9
150	158.3	0.0	345.0





#74

N-amy1 acetate

Concen: 0.485 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX036406.D

Acq: 05 Jul 2023 16:07

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#07

Tgt Ion: 43 Resp: 1667

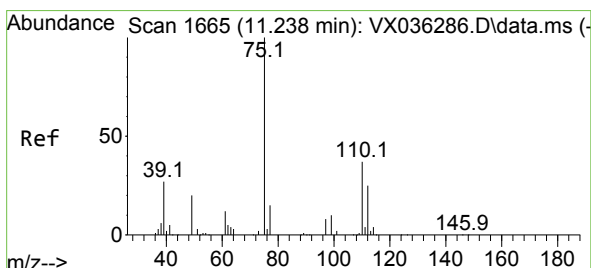
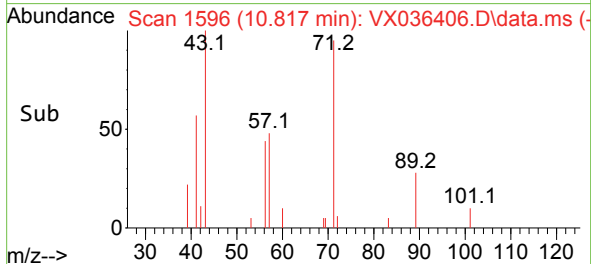
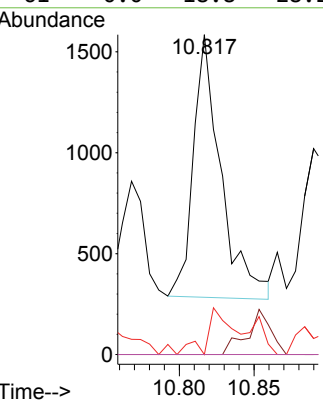
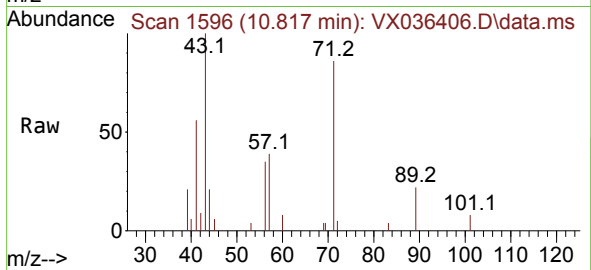
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 17.5 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.950 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036406.D

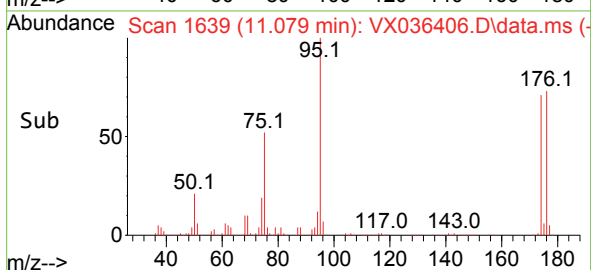
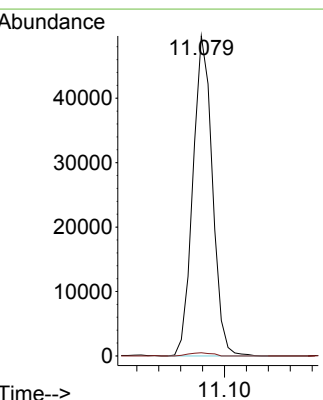
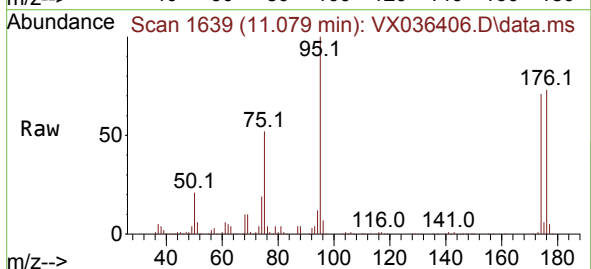
Acq: 05 Jul 2023 16:07

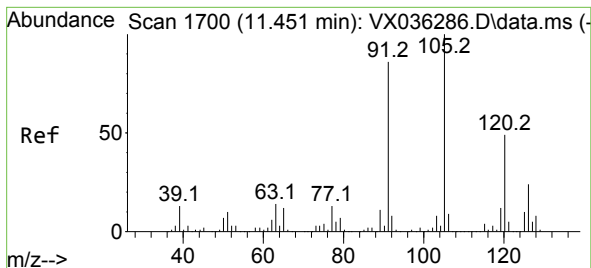
Tgt Ion: 75 Resp: 61310

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.208 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036406.D

Acq: 05 Jul 2023 16:07

Instrument :

MSVOA_X

ClientSampleId :

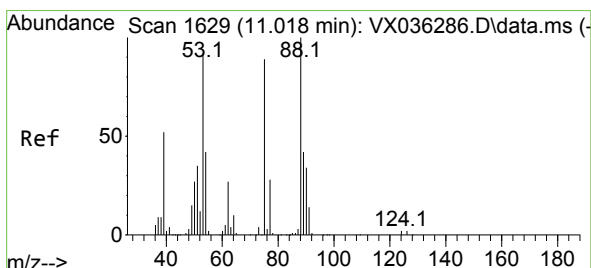
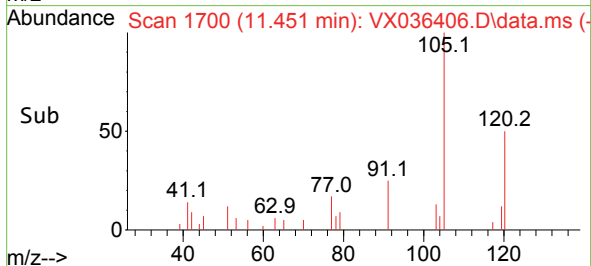
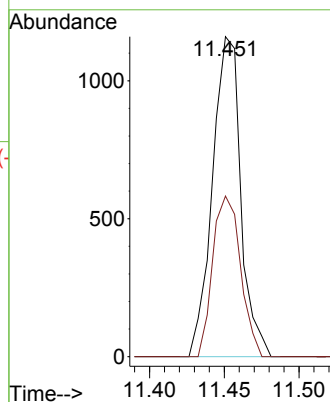
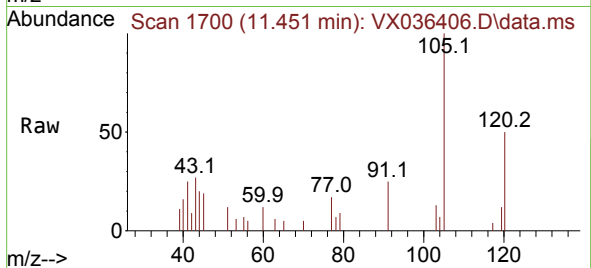
PB153983ZHE#07

Tgt Ion:105 Resp: 1528

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 81.330 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036406.D

Acq: 05 Jul 2023 16:07

Tgt Ion: 75 Resp: 61310

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

