

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036407.D
 Acq On : 05 Jul 2023 16:31
 Operator : JC/MD
 Sample : PB153983ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#08

Quant Time: Jul 06 04:53:38 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)

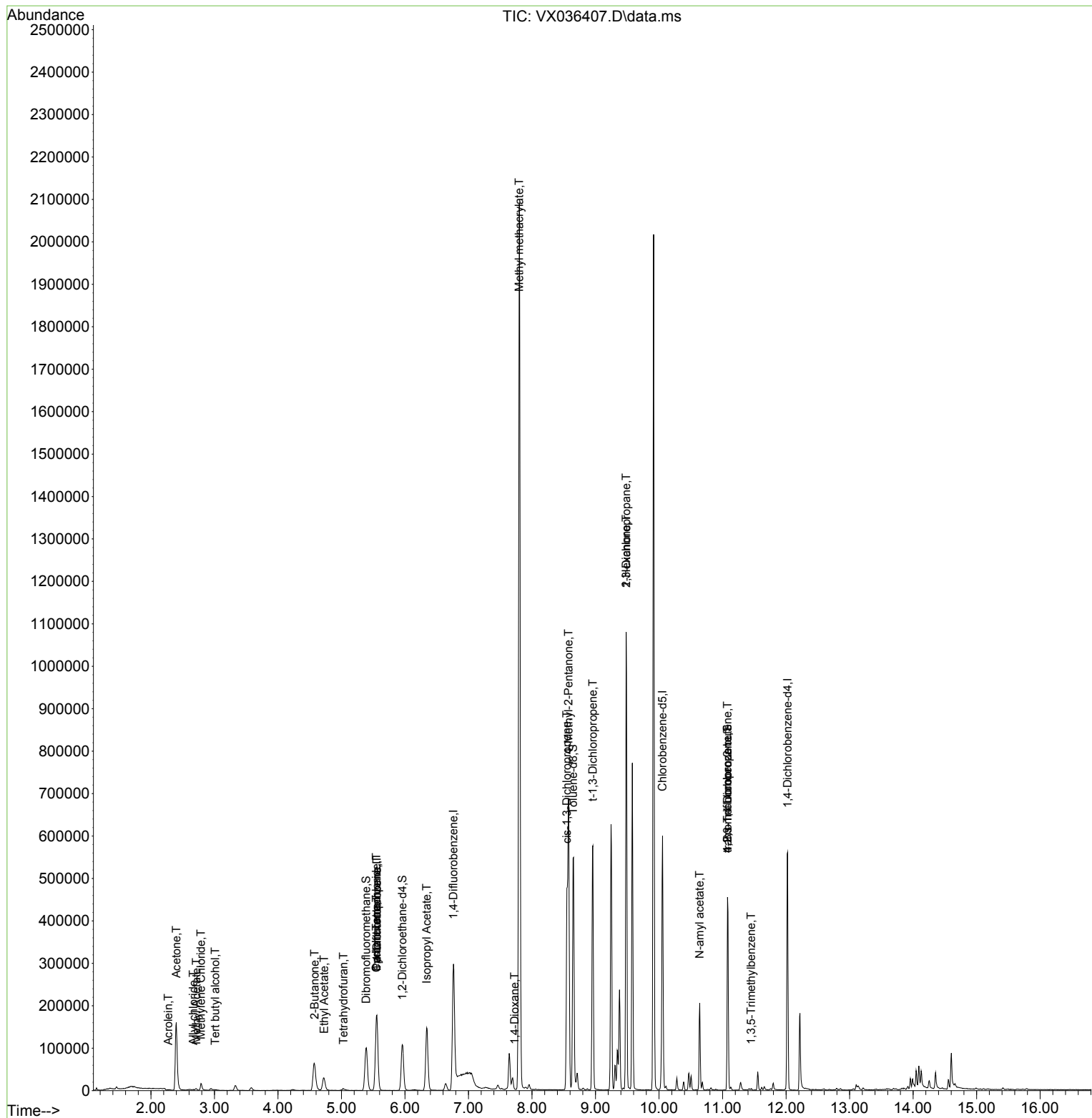
Internal Standards						
1) Pentafluorobenzene	5.556	168	167020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	281906	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	249185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107667	44.972	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.940%		
35) Dibromofluoromethane	5.385	113	89133	47.952	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.900%		
50) Toluene-d8	8.647	98	340914	49.104	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.200%		
62) 4-Bromofluorobenzene	11.079	95	120098	49.111	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.220%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.014	59	3832	8.793	ug/l #	89
13) Acrolein	2.270	56	196	0.327	ug/l #	78
14) Allyl chloride	2.666	41	1701	0.551	ug/l #	24
16) Acetone	2.398	43	220976	215.942	ug/l	96
18) Methyl Acetate	2.715	43	4669	1.110	ug/l	98
20) Methylene Chloride	2.788	84	7471	3.391	ug/l	97
25) 2-Butanone	4.574	43	117525	79.933	ug/l	97
29) Tetrahydrofuran	5.032	42	3900	4.166	ug/l	95
31) Cyclohexane	5.550	56	3523	1.148	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13493	4.870	ug/l #	50
37) Ethyl Acetate	4.727	43	55321	19.589	ug/l	98
38) Carbon Tetrachloride	5.550	117	17787	7.029	ug/l #	15
43) Isopropyl Acetate	6.342	43	203063	45.074	ug/l	97
48) Methyl methacrylate	7.799	41	174273	77.584	ug/l #	48
49) 1,4-Dioxane	7.726	88	66	1.325	ug/l #	12
51) 4-Methyl-2-Pentanone	8.574	43	533202	183.706	ug/l	87
53) t-1,3-Dichloropropene	8.958	75	1260	0.465	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	70995	23.169	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	9010	2.579	ug/l #	42
59) 2-Hexanone	9.482	43	123221	58.136	ug/l #	53
74) N-amyl acetate	10.640	43	51575	14.786	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	62360	24.984	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1510	0.202	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	62360	81.440	ug/l #	5

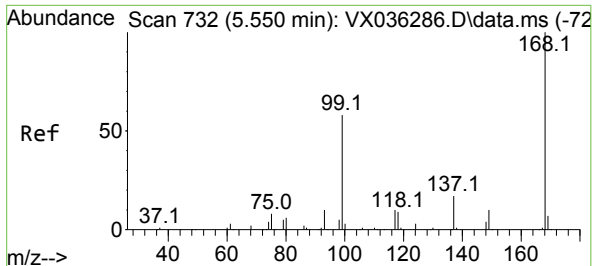
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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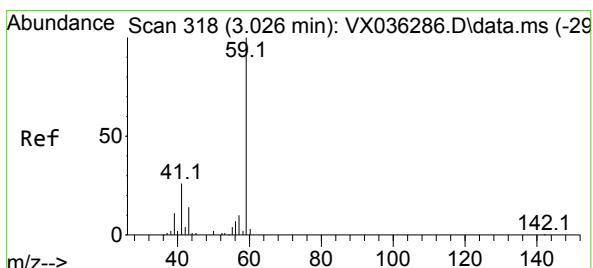
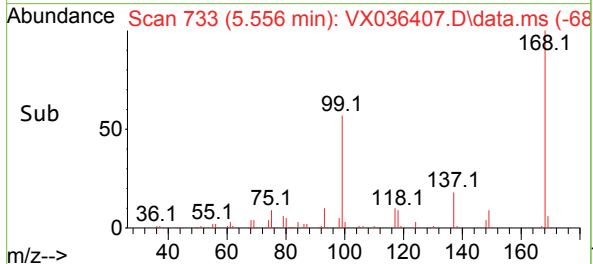
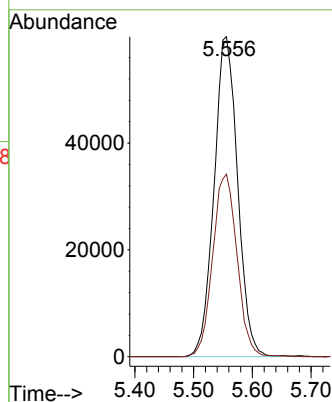
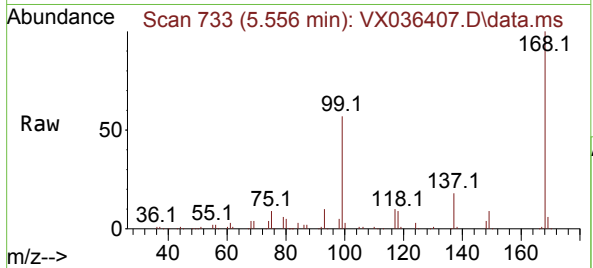




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

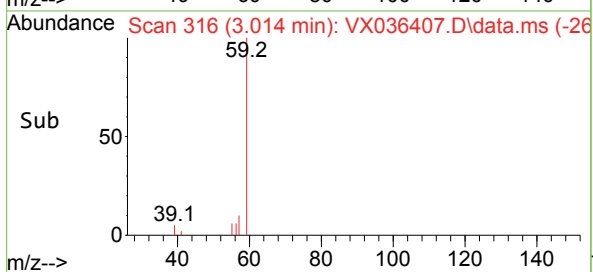
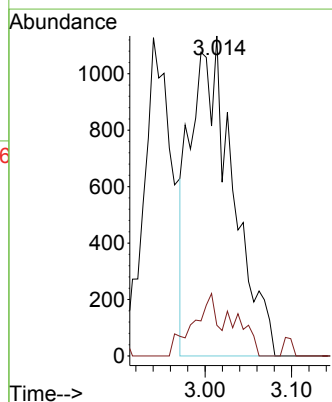
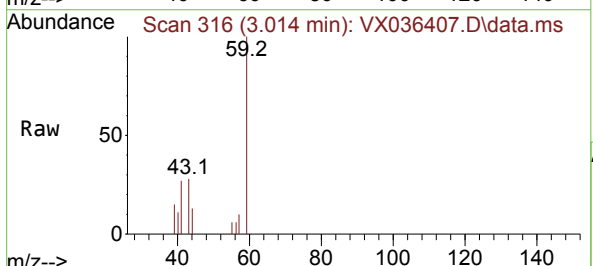
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

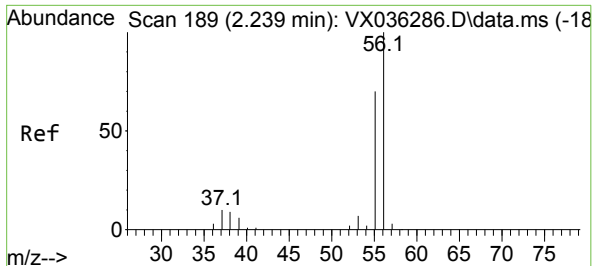
Tgt Ion:168 Resp: 167020
Ion Ratio Lower Upper
168 100
99 57.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 8.793 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.001 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

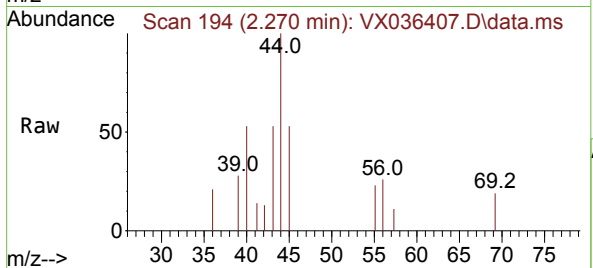
Tgt Ion: 59 Resp: 3832
Ion Ratio Lower Upper
59 100
57 11.2 6.0 9.0#



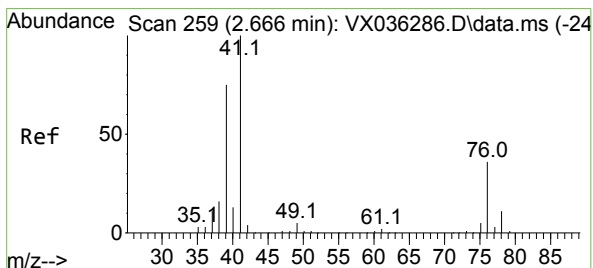
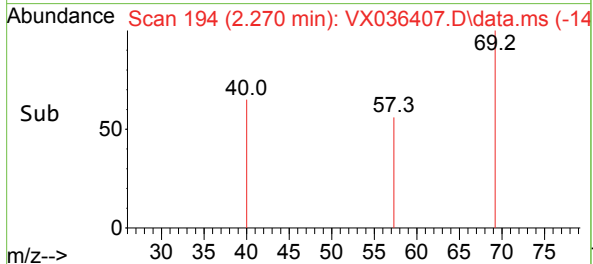
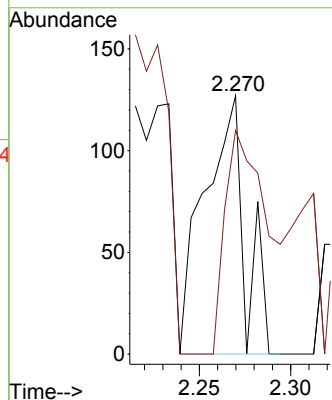


#13
Acrolein
Concen: 0.327 ug/l
RT: 2.270 min Scan# 194
Delta R.T. 0.031 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

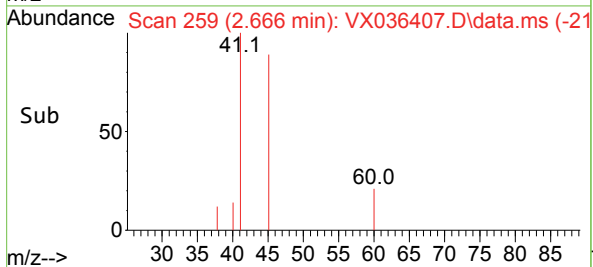
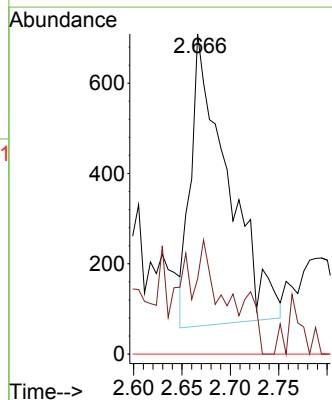
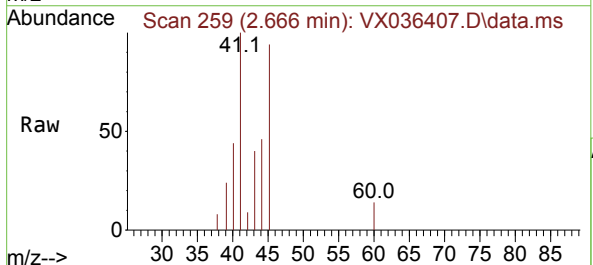


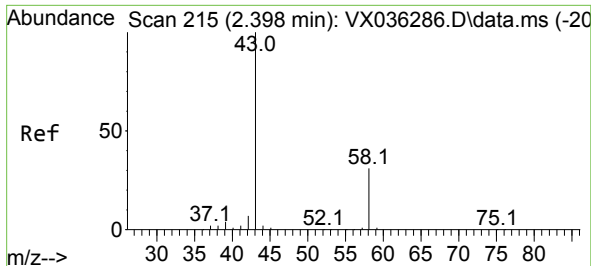
Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 89.3 57.1 85.7#



#14
Allyl chloride
Concen: 0.551 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Tgt Ion: 41 Resp: 1701
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
76 0.0 24.3 36.5#

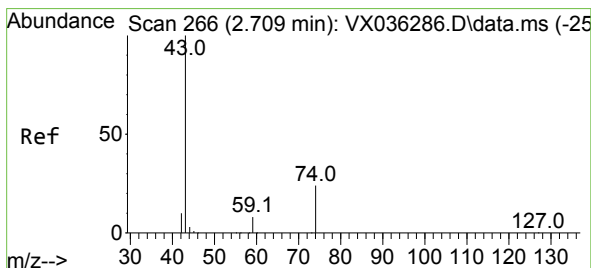
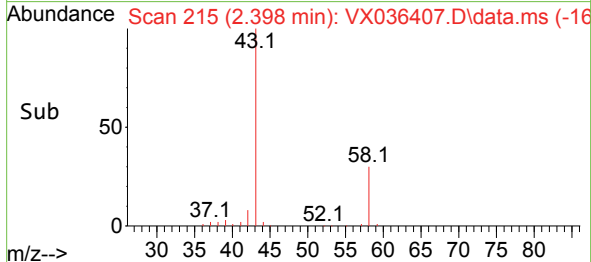
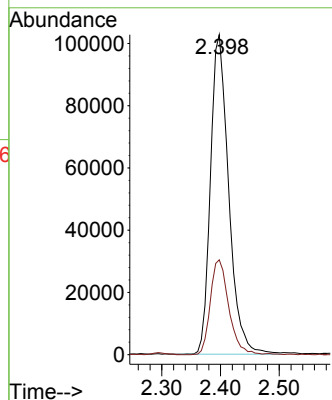
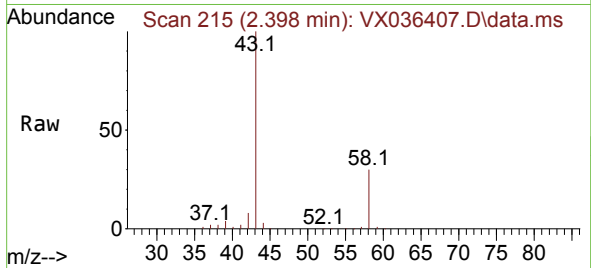




#16
Acetone
Concen: 215.942 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

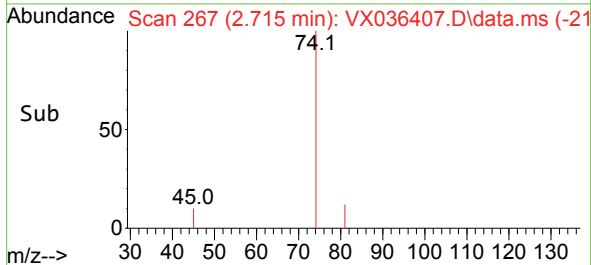
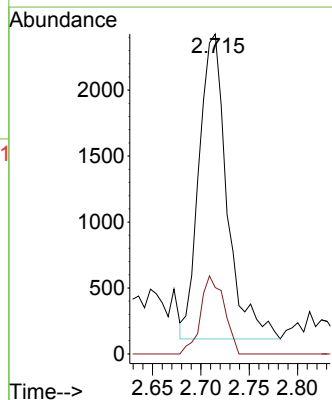
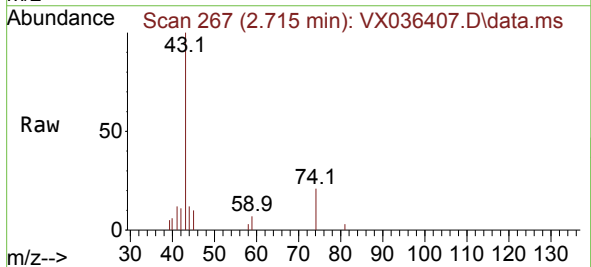
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

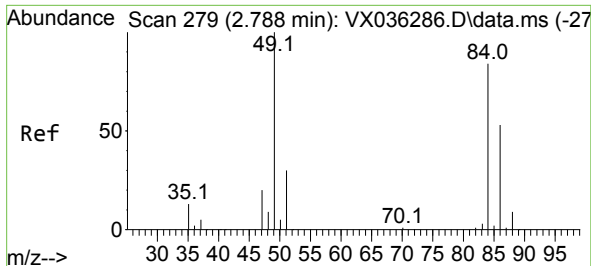
Tgt Ion: 43 Resp: 220976
Ion Ratio Lower Upper
43 100
58 29.7 21.9 32.9



#18
Methyl Acetate
Concen: 1.110 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

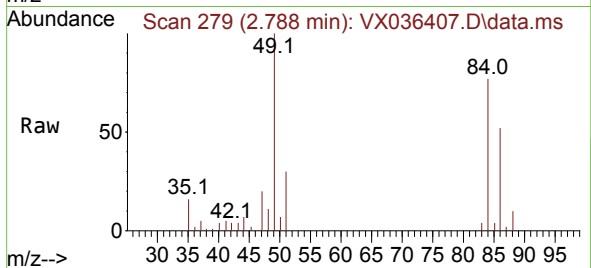
Tgt Ion: 43 Resp: 4669
Ion Ratio Lower Upper
43 100
74 21.4 17.8 26.8



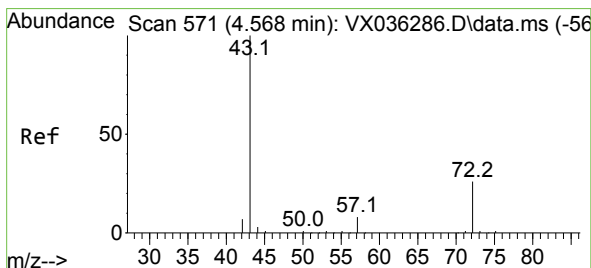
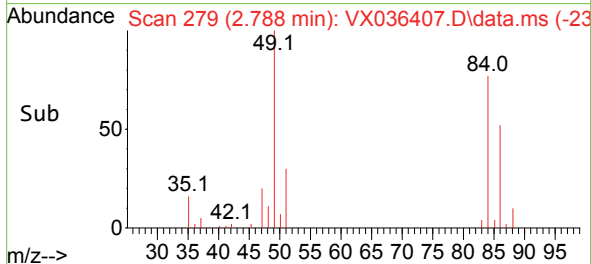
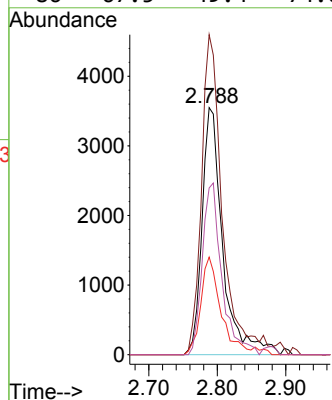


#20
Methylene Chloride
Concen: 3.391 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

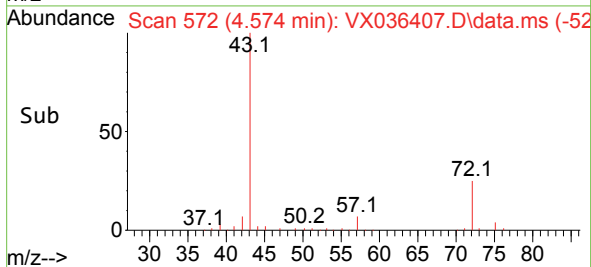
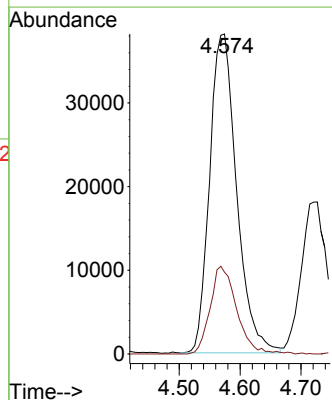
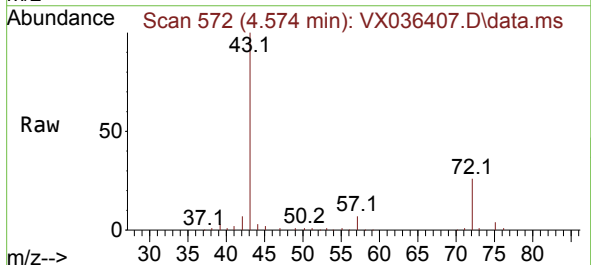


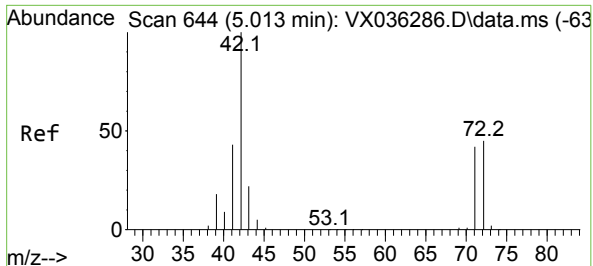
Tgt Ion:	84	Resp:	7471
Ion	Ratio	Lower	Upper
84	100		
49	129.6	103.6	155.4
51	39.5	33.8	50.6
86	67.5	49.4	74.0



#25
2-Butanone
Concen: 79.933 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Tgt Ion:	43	Resp:	117525
Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.166 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.013 min

Lab File: VX036407.D

Acq: 05 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#08

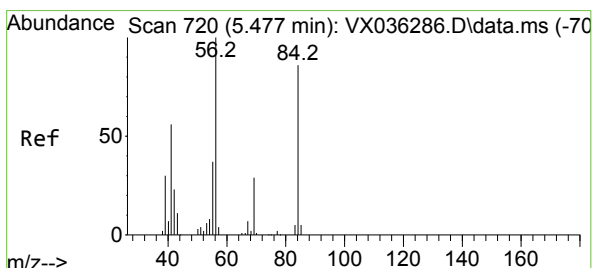
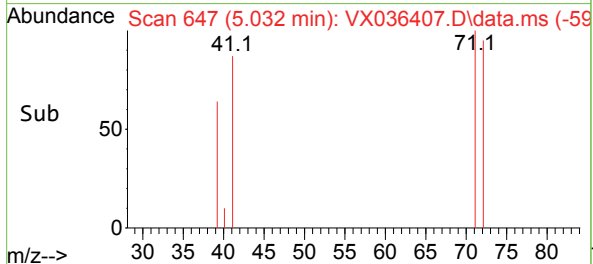
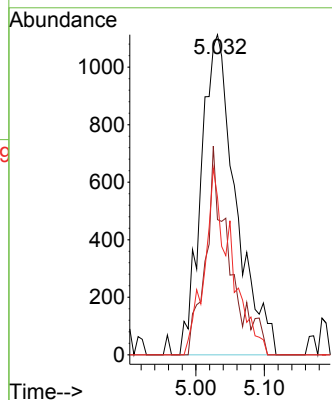
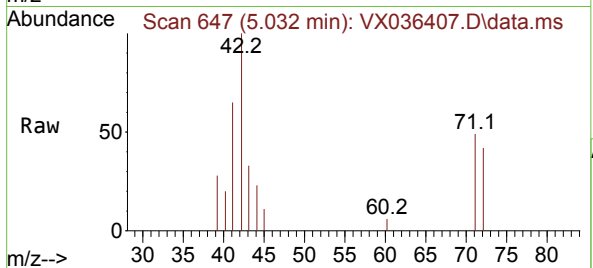
Tgt Ion: 42 Resp: 3900

Ion Ratio Lower Upper

42 100

72 44.8 34.2 51.4

71 44.7 32.2 48.2



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036407.D

Acq: 05 Jul 2023 16:31

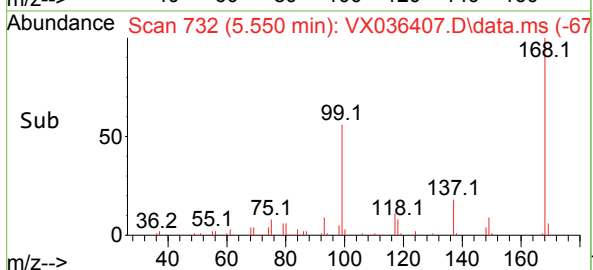
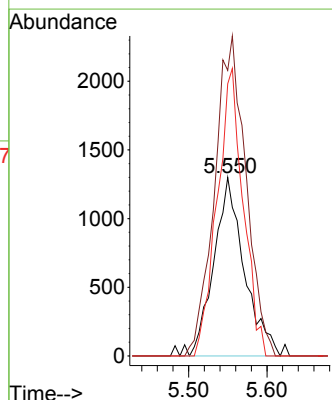
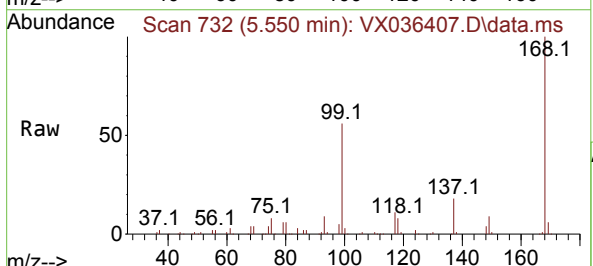
Tgt Ion: 56 Resp: 3523

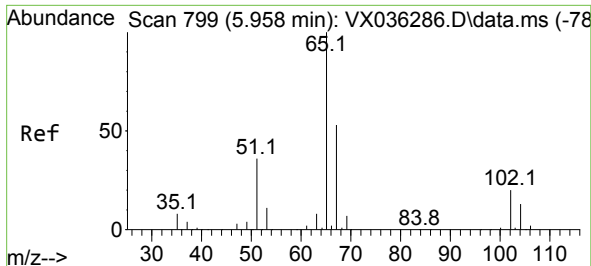
Ion Ratio Lower Upper

56 100

69 160.0 23.4 35.2#

84 152.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.972 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036407.D

Acq: 05 Jul 2023 16:31

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ClientSampleId :

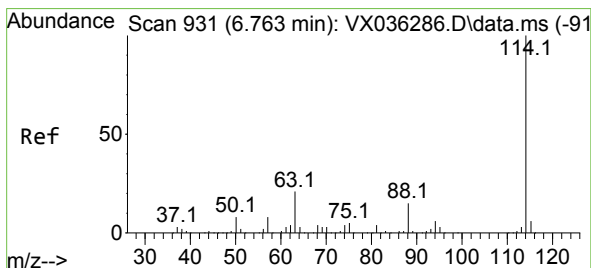
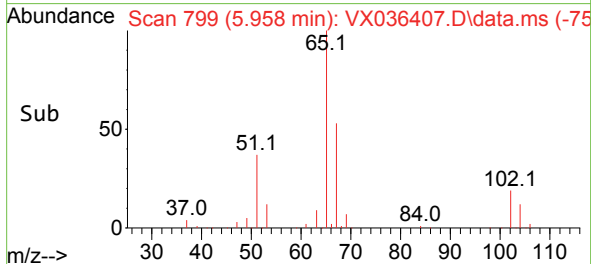
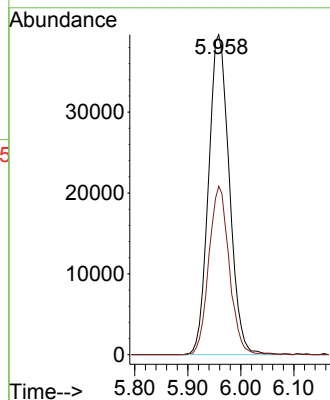
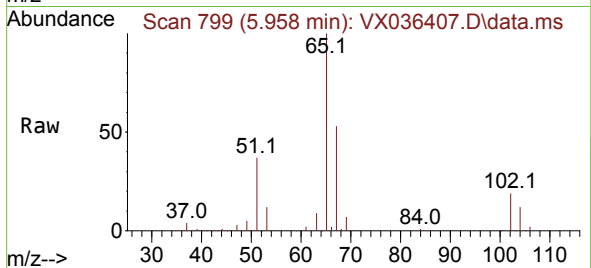
PB153983ZHE#08

Tgt Ion: 65 Resp: 107667

Ion Ratio Lower Upper

65 100

67 51.7 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: VX036407.D

Acq: 05 Jul 2023 16:31

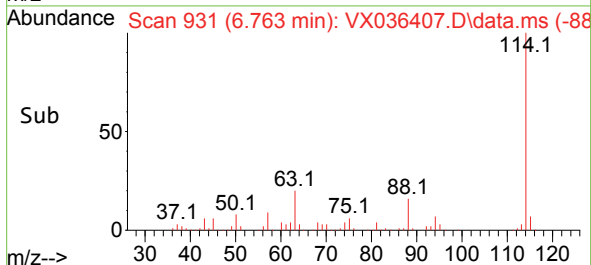
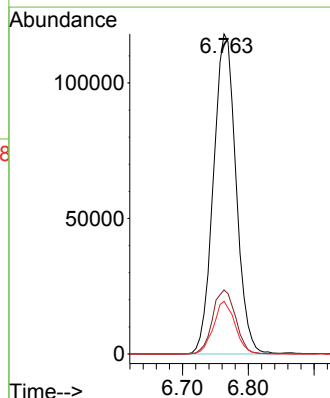
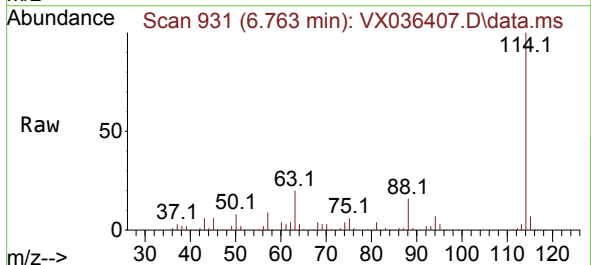
Tgt Ion: 114 Resp: 281906

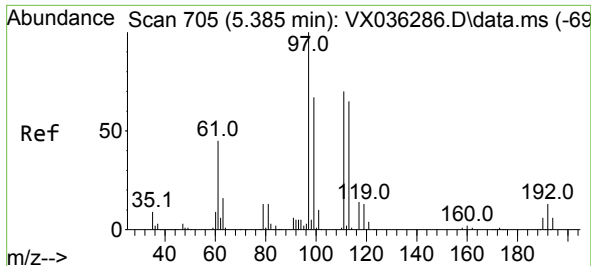
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 16.4 0.0 36.6

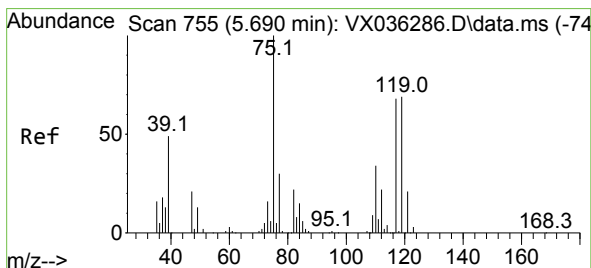
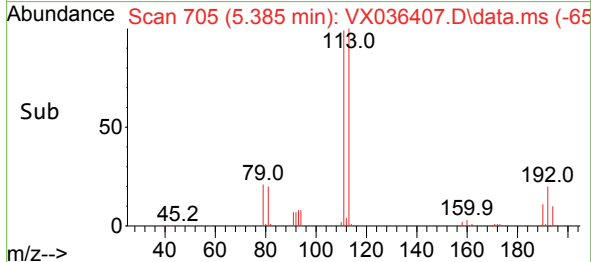
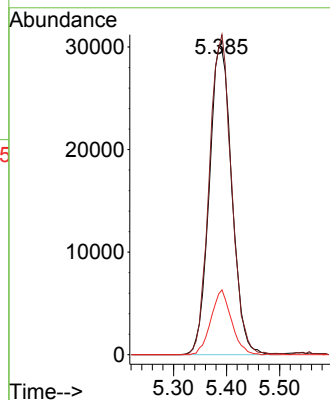
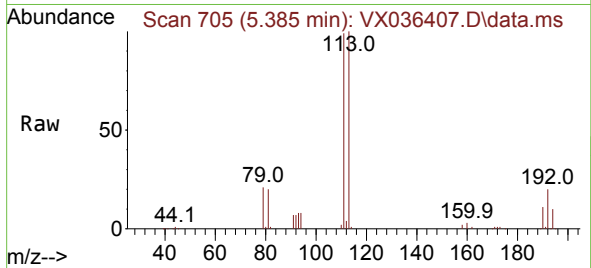




#35
Dibromofluoromethane
Concen: 47.952 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

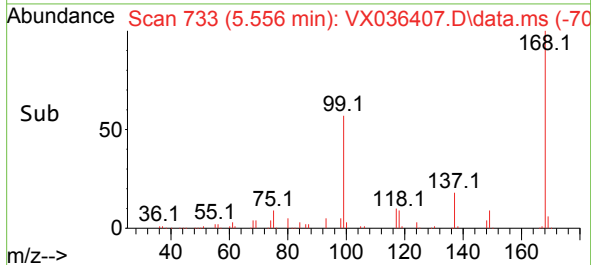
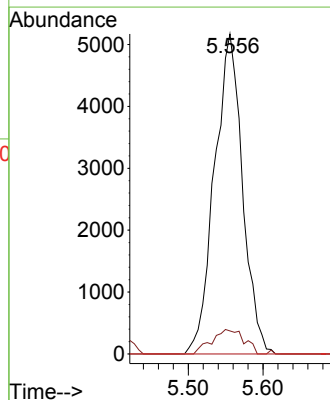
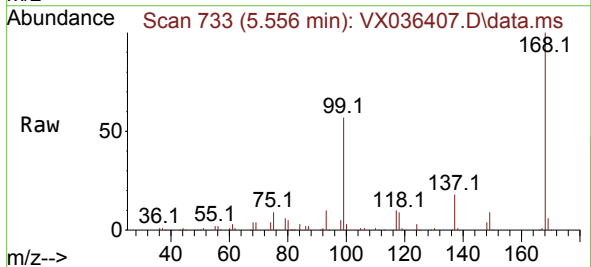
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

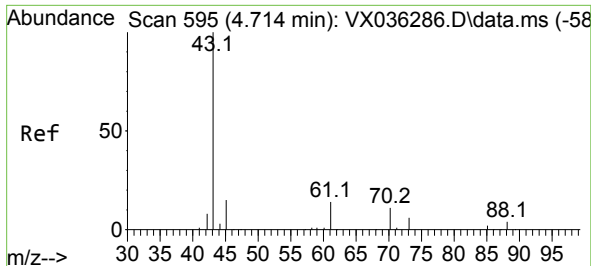
Tgt Ion:113 Resp: 89133
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 19.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.870 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Tgt Ion: 75 Resp: 13493
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 19.589 ug/l

RT: 4.727 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX036407.D

Acq: 05 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#08

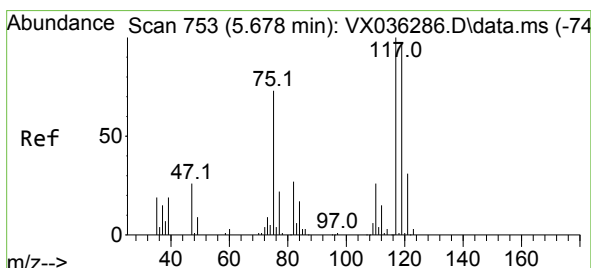
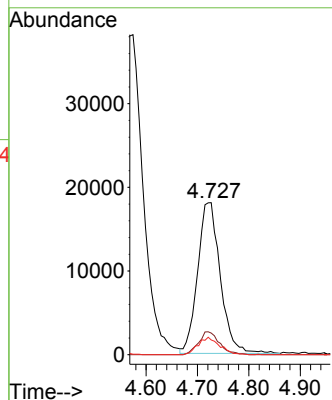
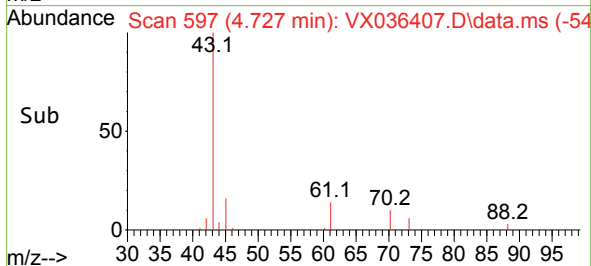
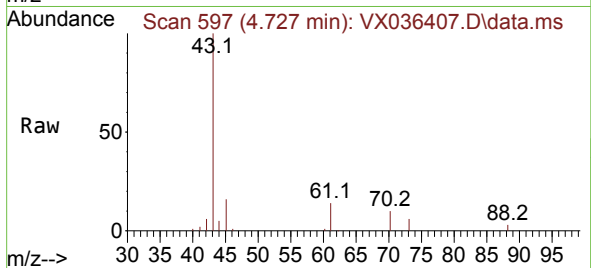
Tgt Ion: 43 Resp: 55321

Ion Ratio Lower Upper

43 100

61 14.0 10.6 16.0

70 10.9 8.3 12.5



#38

Carbon Tetrachloride

Concen: 7.029 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036407.D

Acq: 05 Jul 2023 16:31

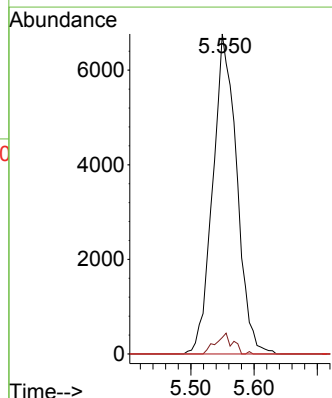
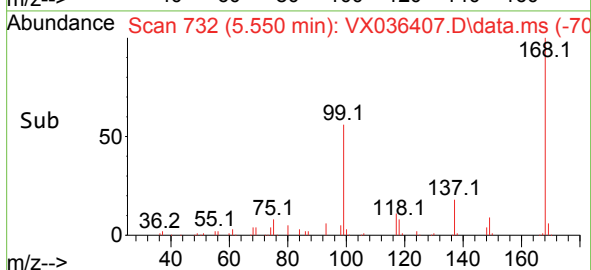
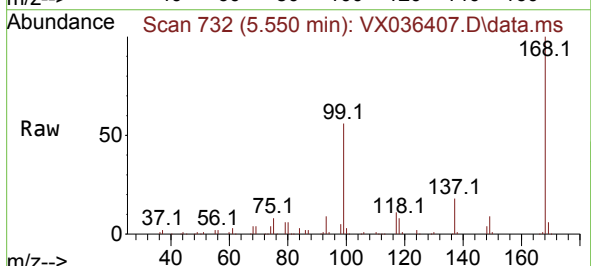
Tgt Ion: 117 Resp: 17787

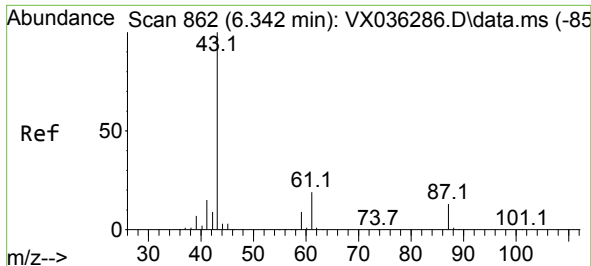
Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.2#

121 0.0 24.4 36.6#

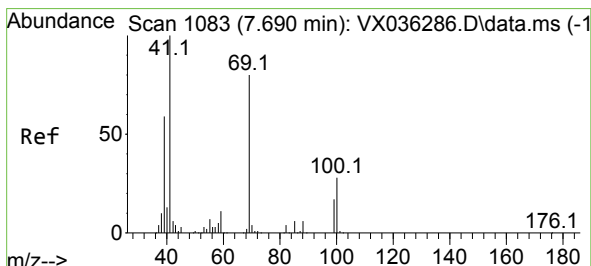
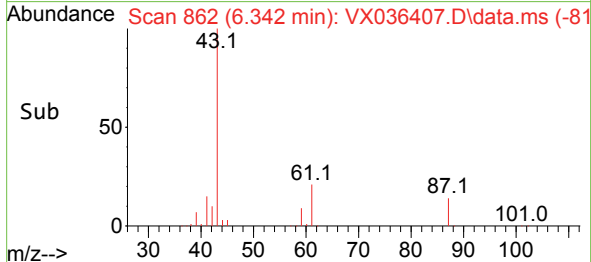
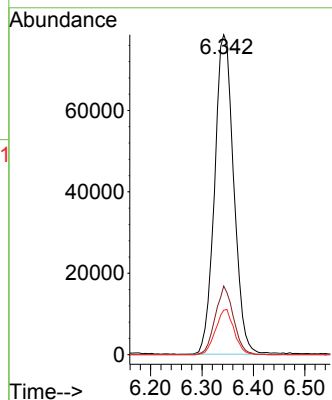
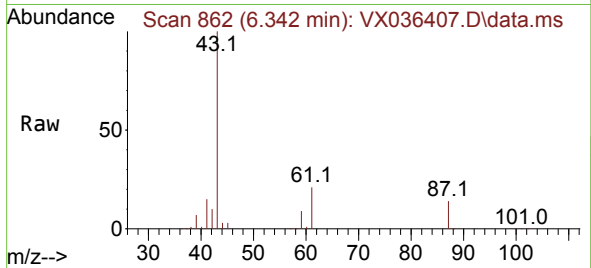




#43
Isopropyl Acetate
Concen: 45.074 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

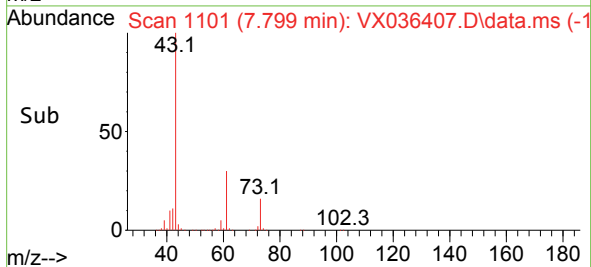
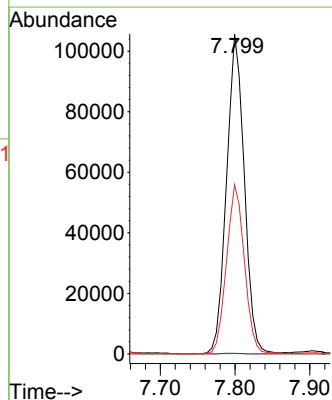
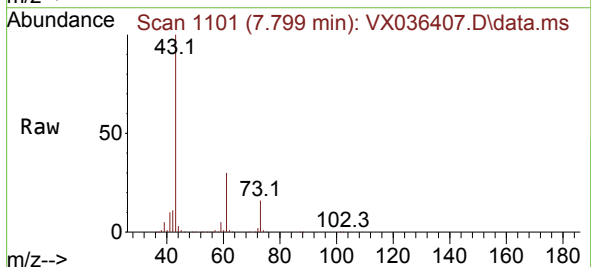
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

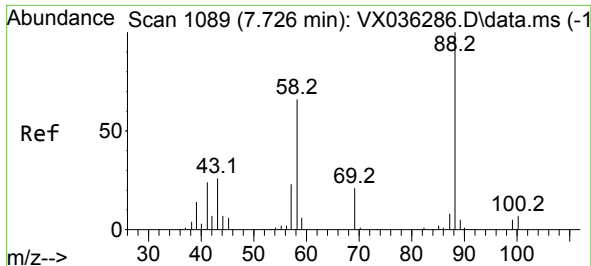
Tgt Ion: 43 Resp: 203063
Ion Ratio Lower Upper
43 100
61 20.4 15.2 22.8
87 13.7 9.8 14.6



#48
Methyl methacrylate
Concen: 77.584 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Tgt Ion: 41 Resp: 174273
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.8 47.7 71.5

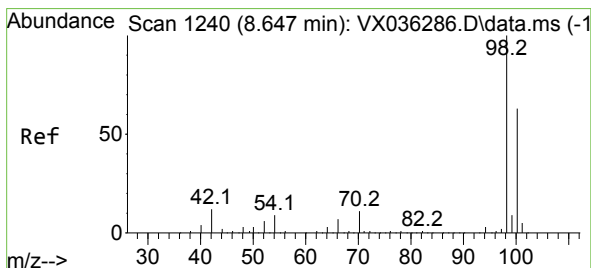
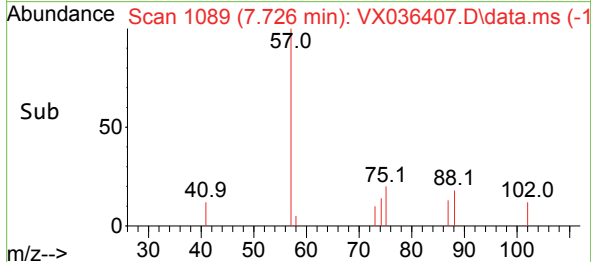
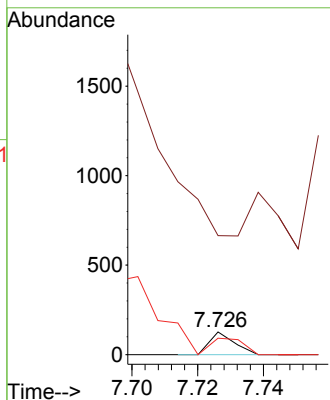
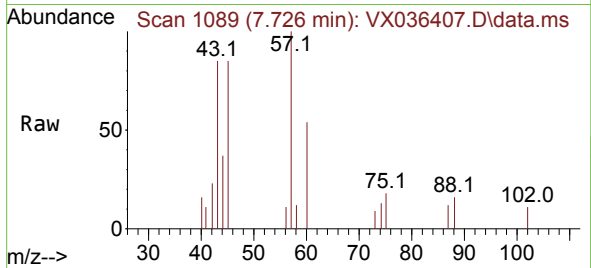




#49
1,4-Dioxane
Concen: 1.325 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

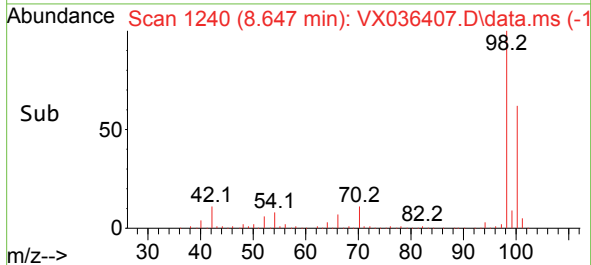
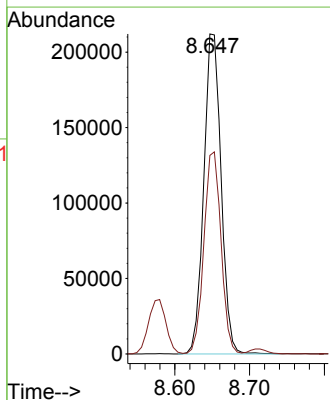
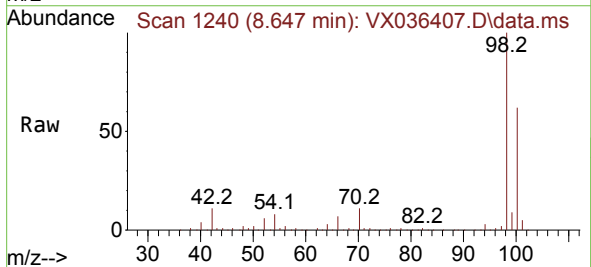
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

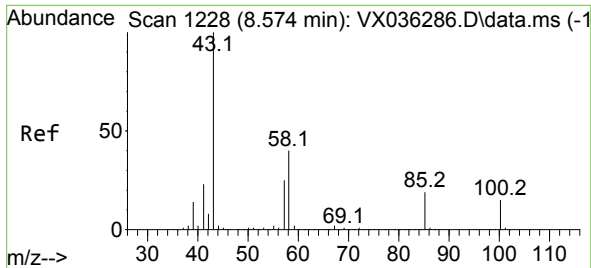
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 49.104 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Tgt Ion: 98 Resp: 340914
Ion Ratio Lower Upper
98 100
100 62.4 53.1 79.7

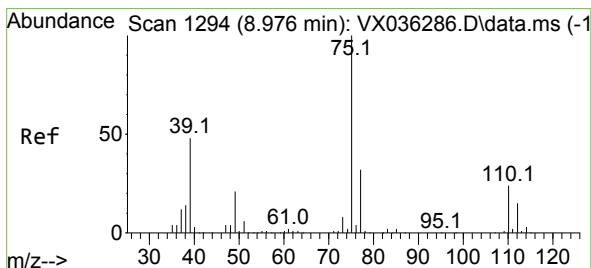
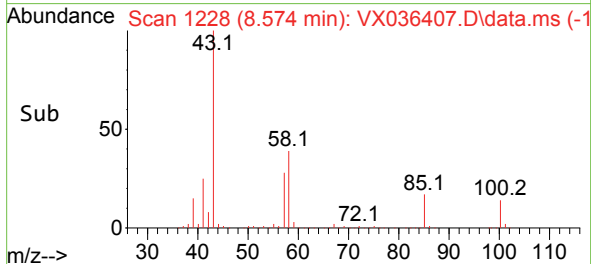
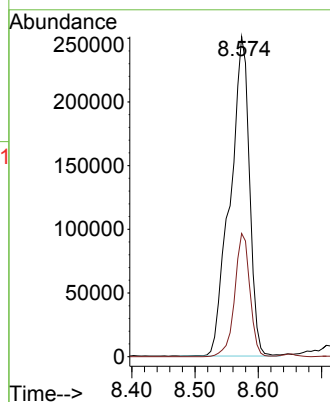
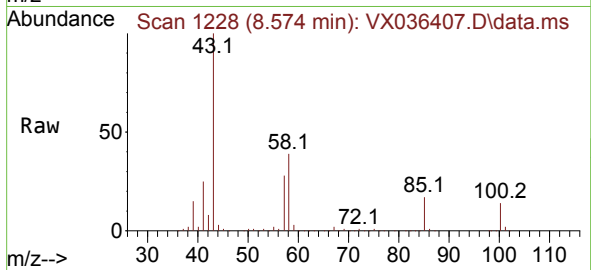




#51
4-Methyl-2-Pentanone
Concen: 183.706 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

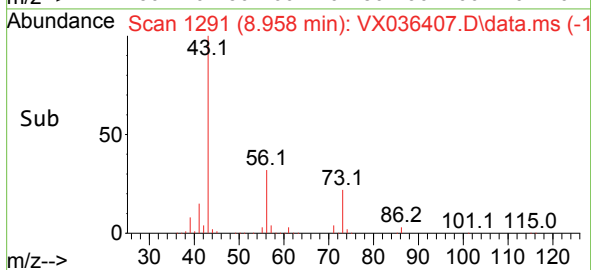
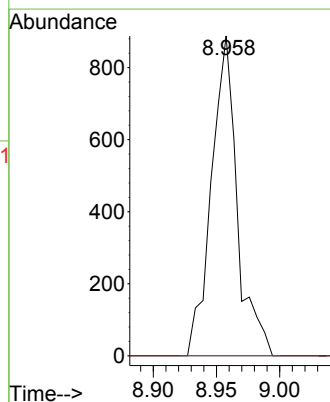
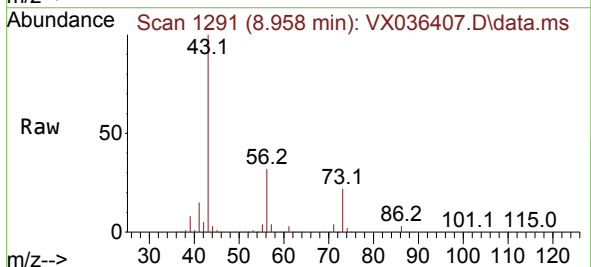
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

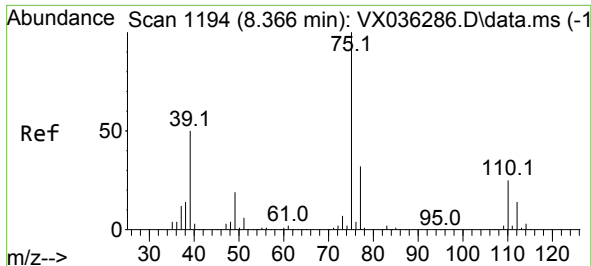
Tgt Ion: 43 Resp: 533202
Ion Ratio Lower Upper
43 100
58 30.4 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 0.465 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Tgt Ion: 75 Resp: 1260
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

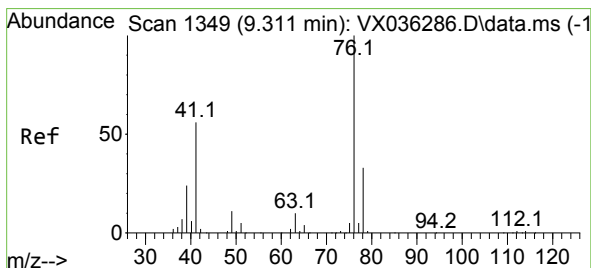
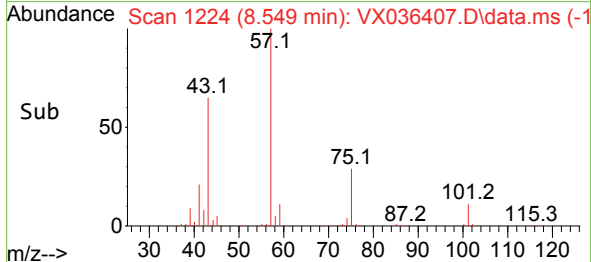
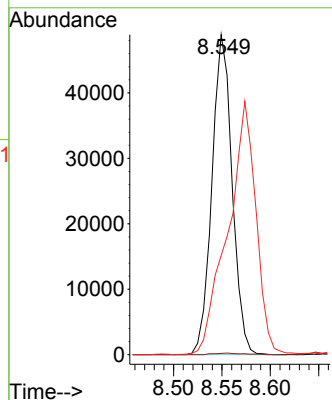
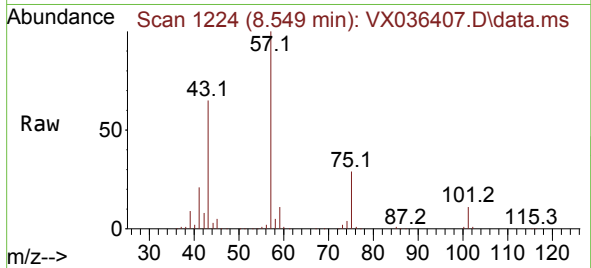




#54
cis-1,3-Dichloropropene
Concen: 23.169 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

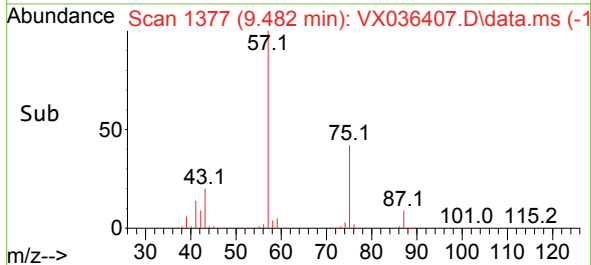
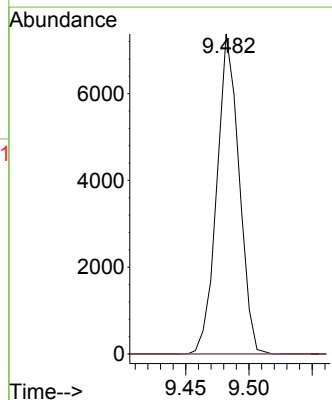
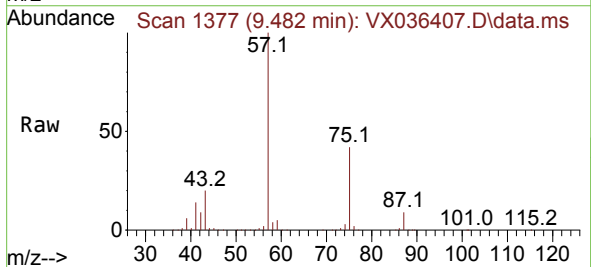
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

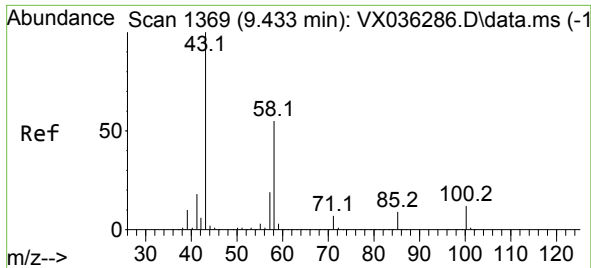
Tgt Ion:	75	Resp:	70995
Ion Ratio	Lower	Upper	
75	100		
77	0.4	25.3	37.9#
39	30.9	46.7	70.1#



#57
1,3-Dichloropropane
Concen: 2.579 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Tgt Ion:	76	Resp:	9010
Ion Ratio	Lower	Upper	
76	100		
78	0.0	26.1	39.1#

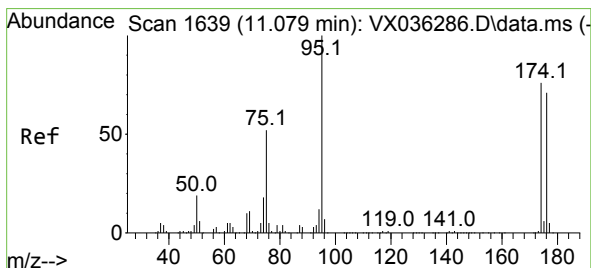
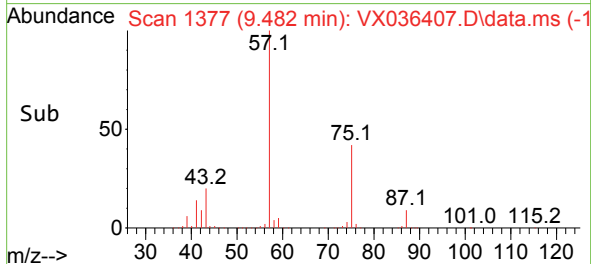
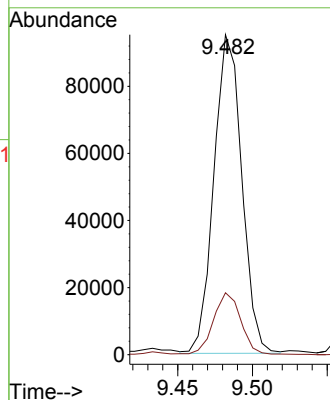
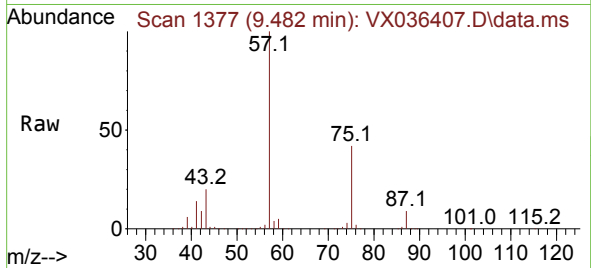




#59
2-Hexanone
Concen: 58.136 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

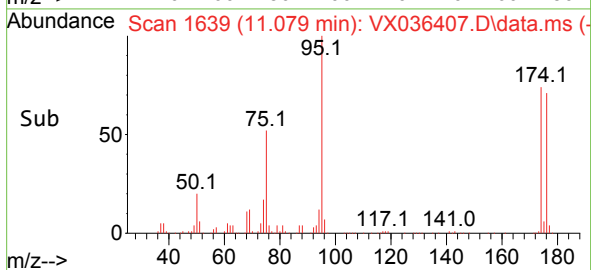
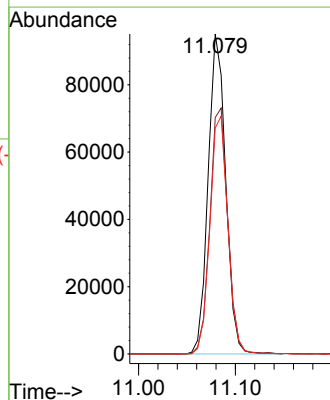
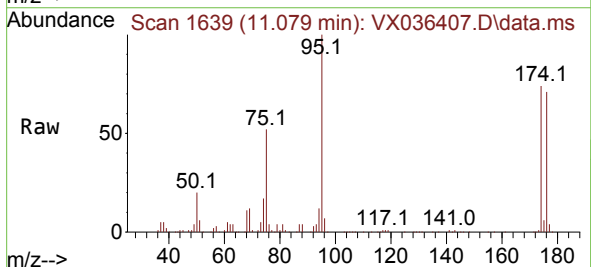
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08

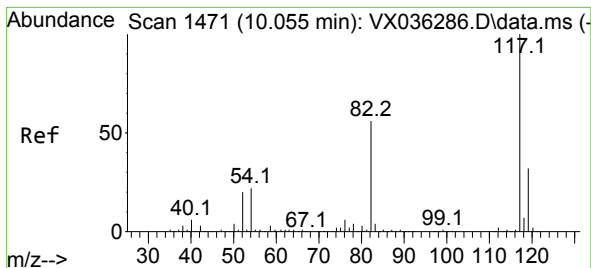
Tgt Ion: 43 Resp: 123221
Ion Ratio Lower Upper
43 100
58 19.3 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.111 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

Tgt Ion: 95 Resp: 120098
Ion Ratio Lower Upper
95 100
174 78.8 0.0 135.6
176 75.9 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: VX036407.D

Acq: 05 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#08

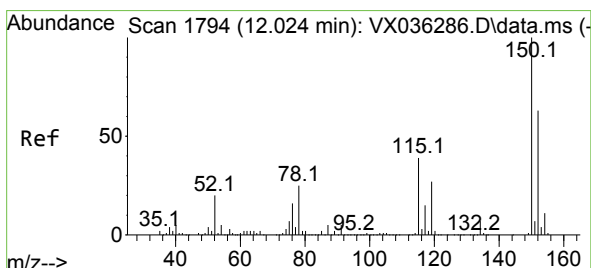
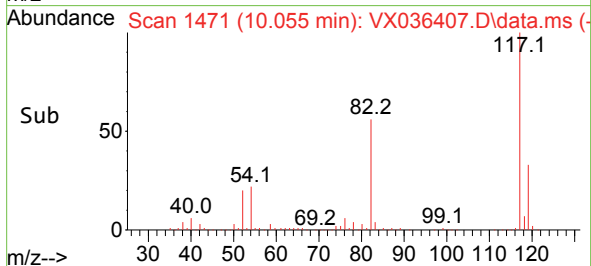
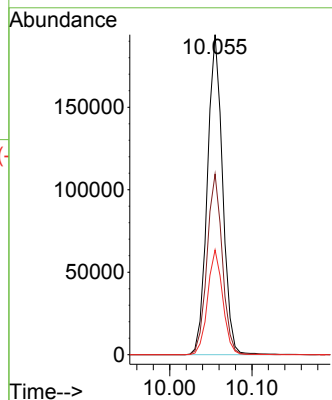
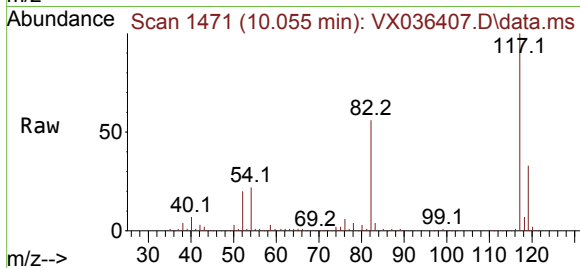
Tgt Ion:117 Resp: 249185

Ion Ratio Lower Upper

117 100

82 56.4 46.2 69.4

119 32.7 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: VX036407.D

Acq: 05 Jul 2023 16:31

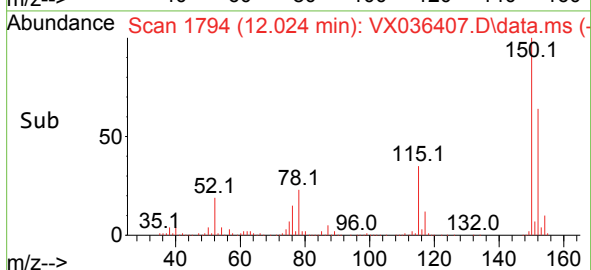
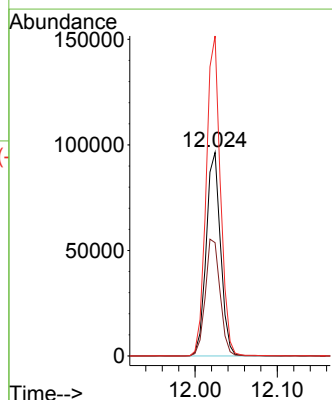
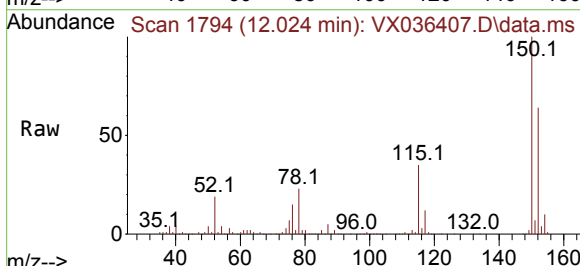
Tgt Ion:152 Resp: 117018

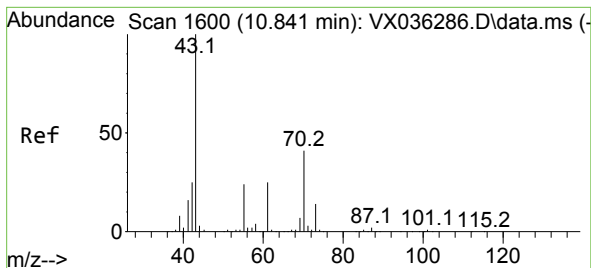
Ion Ratio Lower Upper

152 100

115 58.8 43.3 129.9

150 156.2 0.0 345.0





#74

N-amy1 acetate

Concen: 14.786 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX036407.D

Acq: 05 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#08

Tgt Ion: 43 Resp: 51575

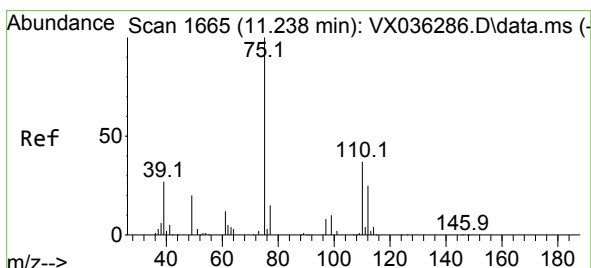
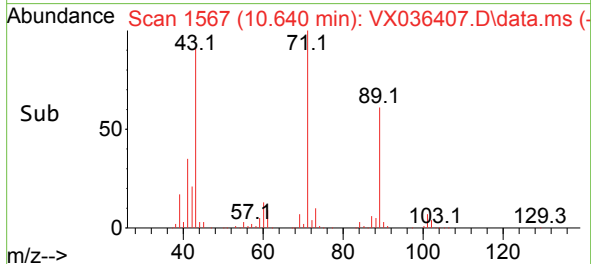
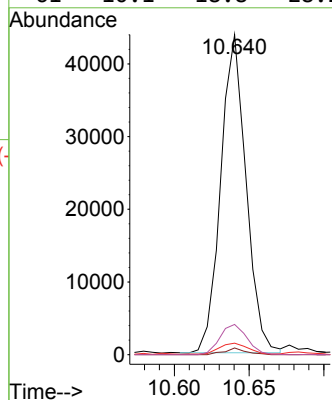
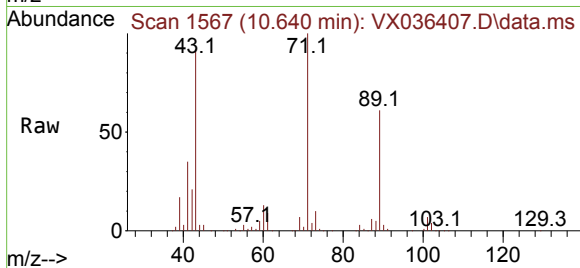
Ion Ratio Lower Upper

43 100

70 1.7 32.9 49.3#

55 4.4 19.3 28.9#

61 10.1 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.984 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036407.D

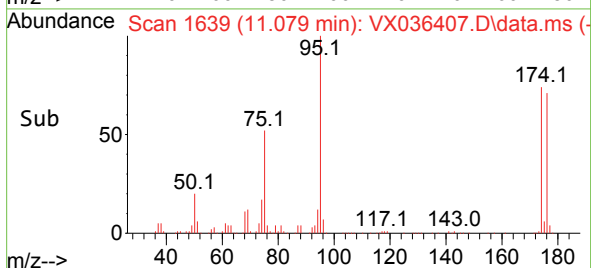
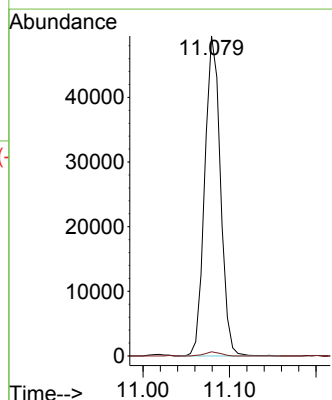
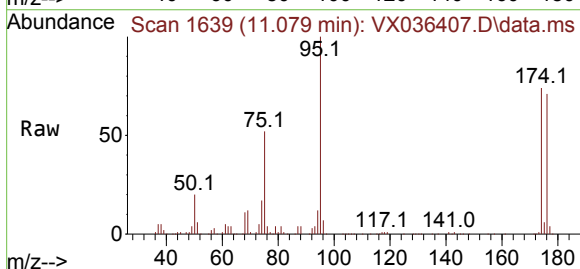
Acq: 05 Jul 2023 16:31

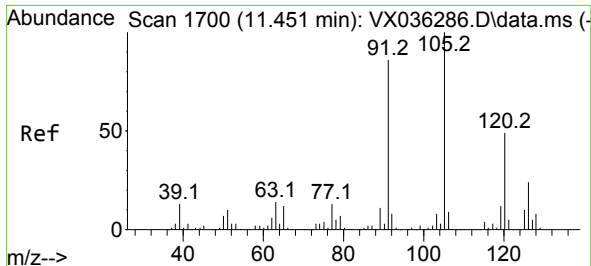
Tgt Ion: 75 Resp: 62360

Ion Ratio Lower Upper

75 100

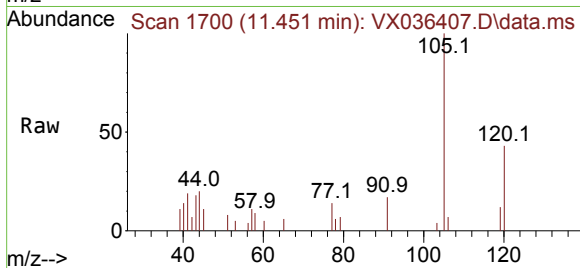
77 1.3 19.1 57.5#



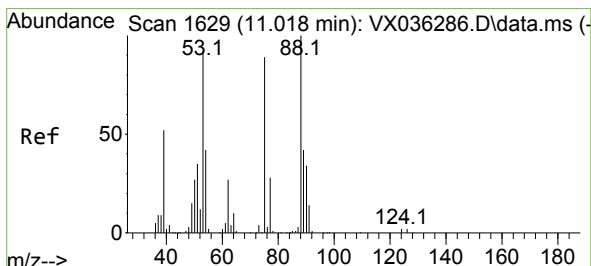
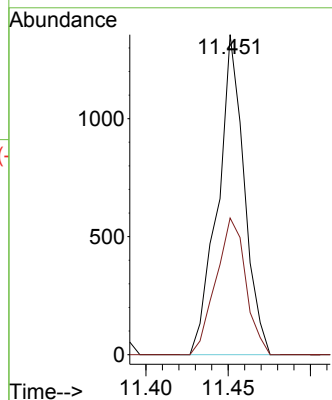
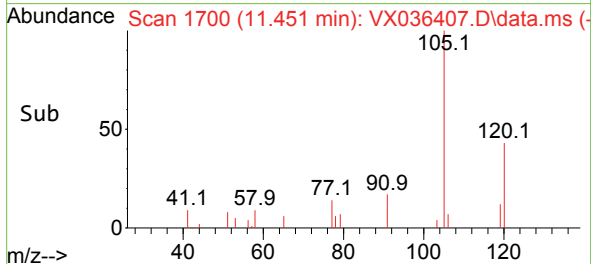


#80
1,3,5-Trimethylbenzene
Concen: 0.202 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31

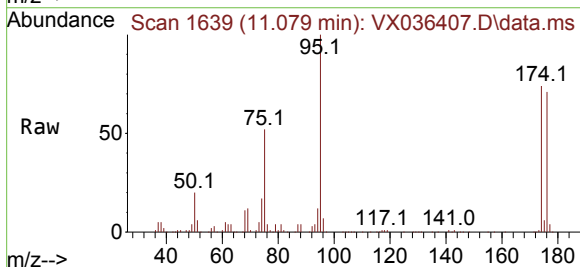
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#08



Tgt Ion:105 Resp: 1510
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 81.440 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036407.D
Acq: 05 Jul 2023 16:31



Tgt Ion: 75 Resp: 62360
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

