

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031433.D
 Acq On : 17 Sep 2022 00:36
 Operator : JC/MD
 Sample : PB147603ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#02

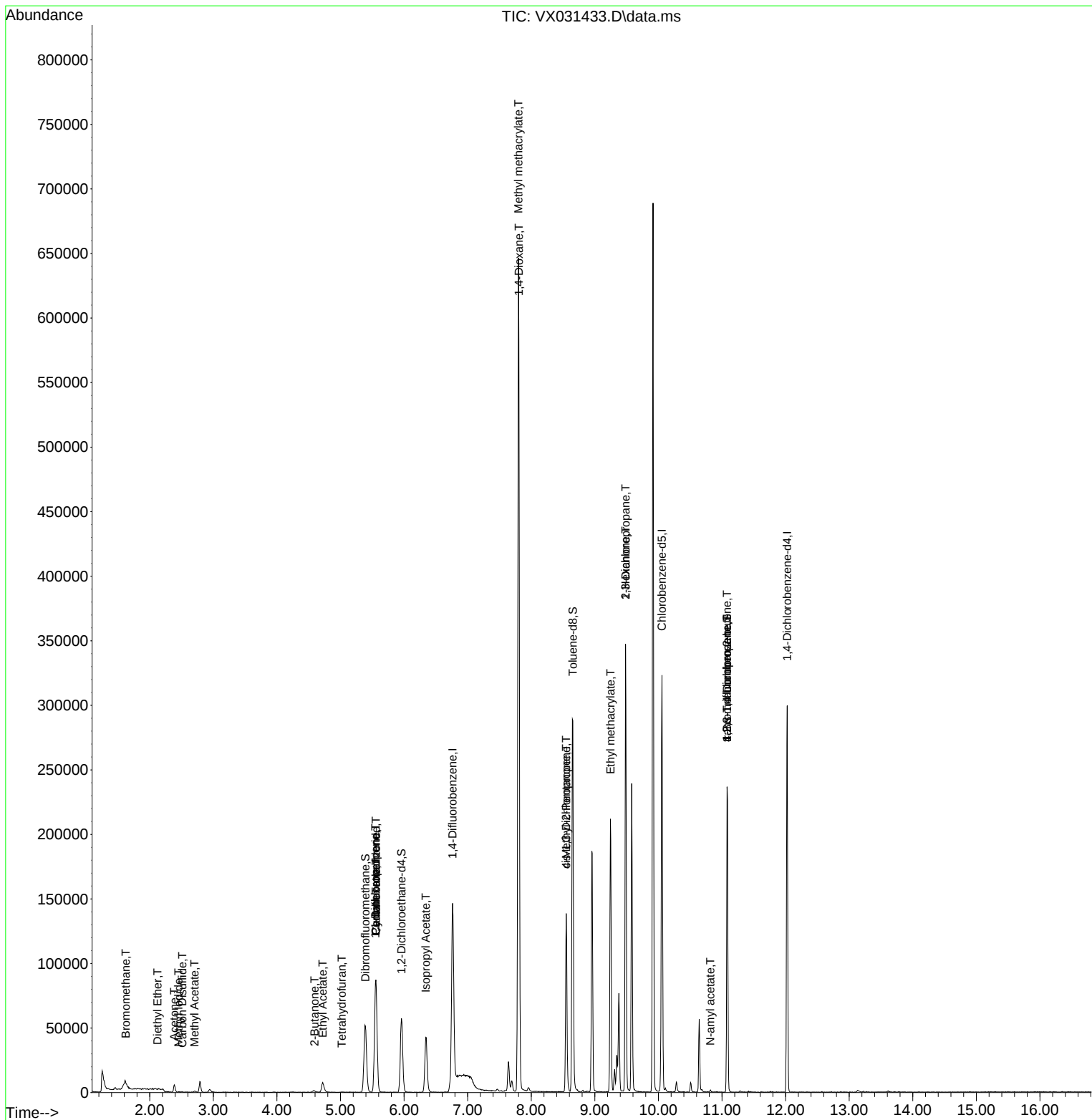
Quant Time: Sep 17 04:28:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	83642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	140390	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	51829	25.245	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	50.500%#		
35) Dibromofluoromethane	5.391	113	43826	29.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	58.080%#		
50) Toluene-d8	8.653	98	170490	30.118	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	60.240%#		
62) 4-Bromofluorobenzene	11.079	95	54128	26.112	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	52.220%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	415	Below Cal	#	41
5) Bromomethane	1.624	94	617	0.563	ug/l #	75
8) Diethyl Ether	2.124	74	20	0.545	ug/l #	1
10) Methyl Iodide	2.453	142	169	1.031	ug/l #	67
11) Tert butyl alcohol	2.983	59	135	Below Cal	#	73
16) Acetone	2.386	43	6298	7.186	ug/l #	89
17) Carbon Disulfide	2.514	76	202	0.951	ug/l #	75
18) Methyl Acetate	2.703	43	1135	0.437	ug/l #	88
25) 2-Butanone	4.593	43	1610	1.114	ug/l #	66
29) Tetrahydrofuran	5.020	42	342	0.382	ug/l #	32
31) Cyclohexane	5.556	56	1906	0.864	ug/l #	15
36) 1,1-Dichloropropene	5.550	75	6648	3.219	ug/l #	51
37) Ethyl Acetate	4.721	43	13472	4.963	ug/l	98
38) Carbon Tetrachloride	5.556	117	8212	3.657	ug/l #	16
43) Isopropyl Acetate	6.342	43	58294	12.581	ug/l	99
48) Methyl methacrylate	7.800	41	56938	26.995	ug/l #	47
49) 1,4-Dioxane	7.806	88	105	2.482	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47047	16.705	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	21737	7.847	ug/l #	65
56) Ethyl methacrylate	9.244	69	550	0.205	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2713	0.953	ug/l #	43
59) 2-Hexanone	9.482	43	38511	17.916	ug/l #	52
74) N-amyl acetate	10.817	43	450	0.209	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	31205	21.141	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31205	58.497	ug/l #	11

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

Quant Time: Sep 17 04:28:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
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QLast Update : Thu Sep 15 01:50:07 2022
Response via : Initial Calibration

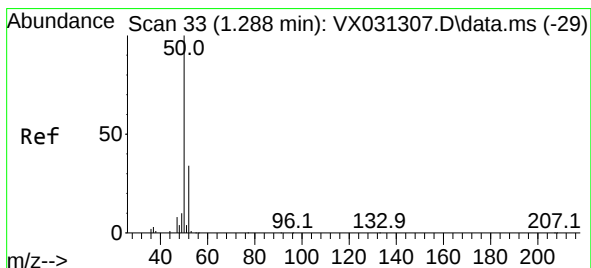
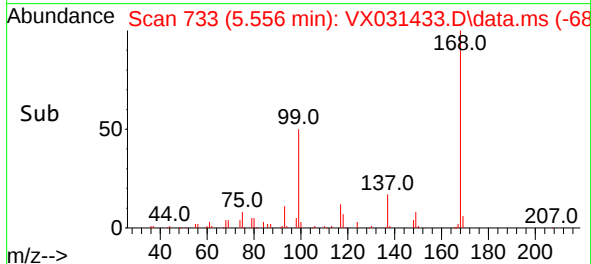
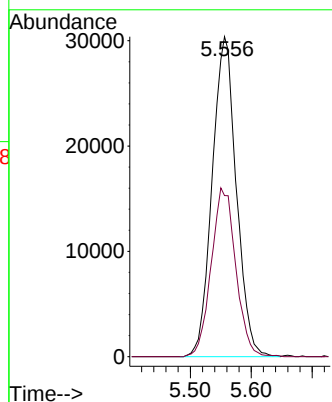
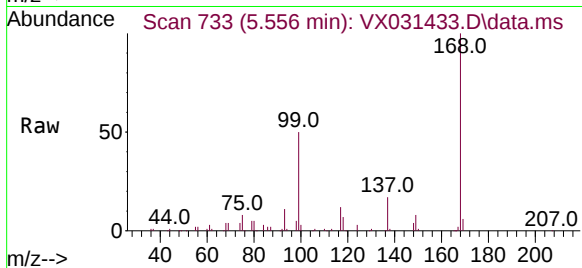




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

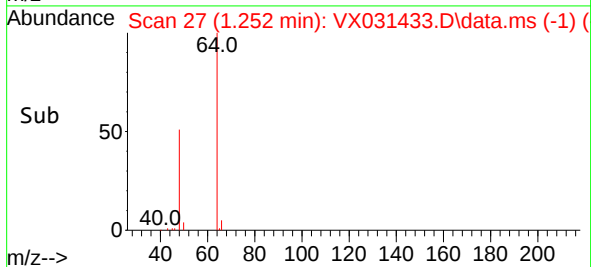
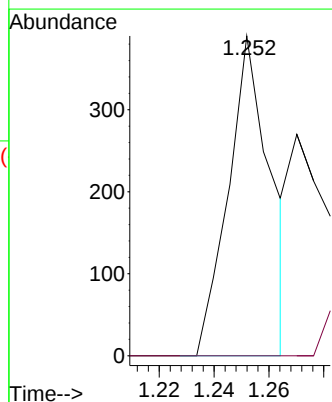
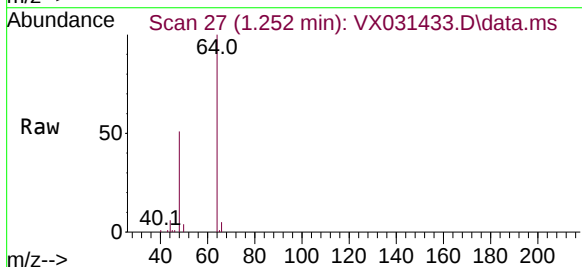
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#02

Tgt Ion:168 Resp: 83642
Ion Ratio Lower Upper
168 100
99 50.3 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.252 min Scan# 27
Delta R.T. -0.036 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

Tgt Ion: 50 Resp: 415
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

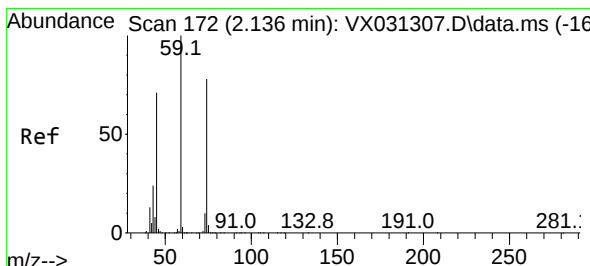
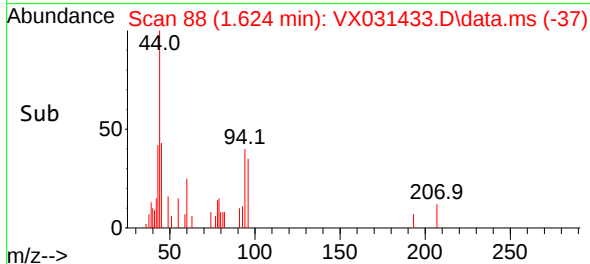
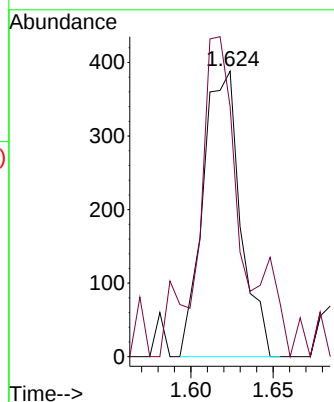
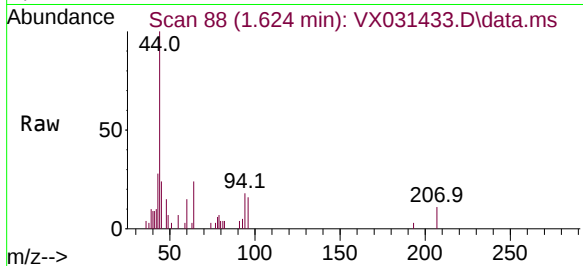




#5
Bromomethane
Concen: 0.563 ug/l
RT: 1.624 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

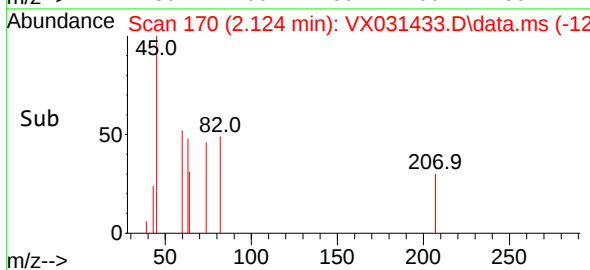
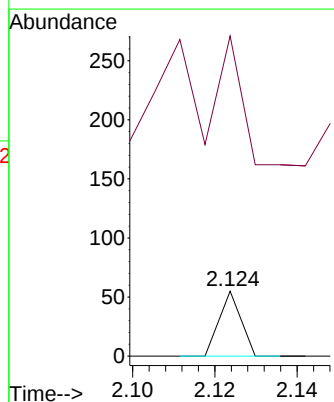
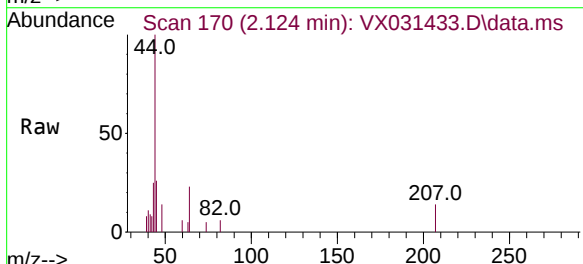
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#02

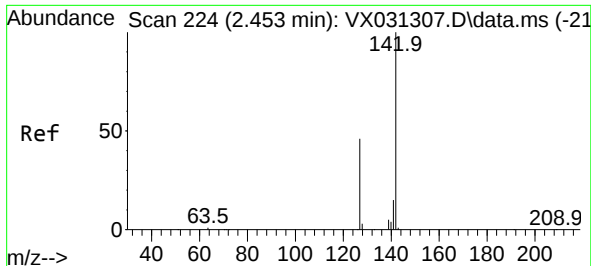
Tgt Ion: 94 Resp: 617
Ion Ratio Lower Upper
94 100
96 69.3 74.4 111.6#



#8
Diethyl Ether
Concen: 0.545 ug/l
RT: 2.124 min Scan# 170
Delta R.T. -0.012 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

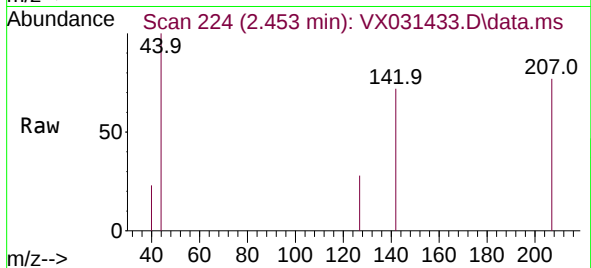
Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 0.0 48.5 145.6#



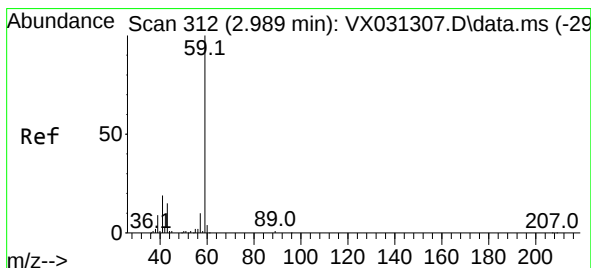
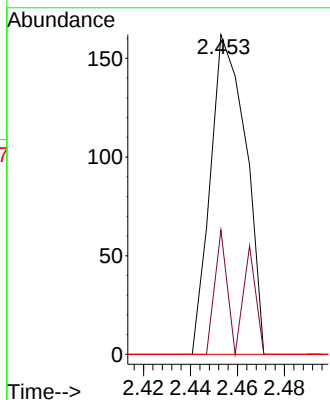
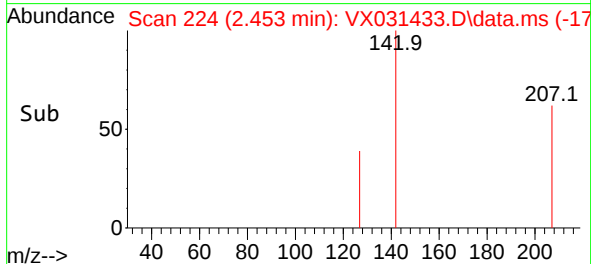


#10
Methyl Iodide
Concen: 1.031 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#02

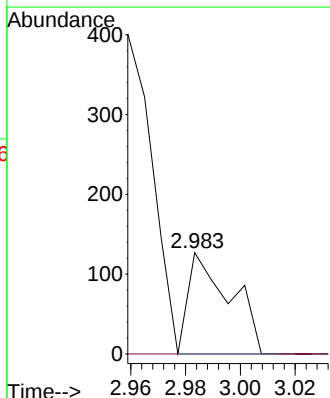
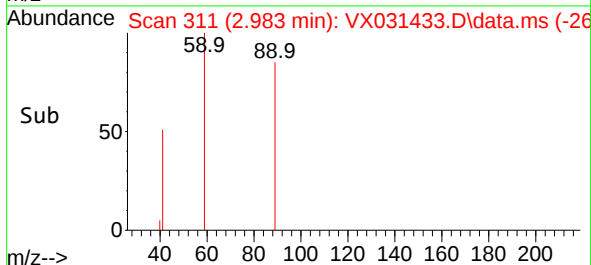
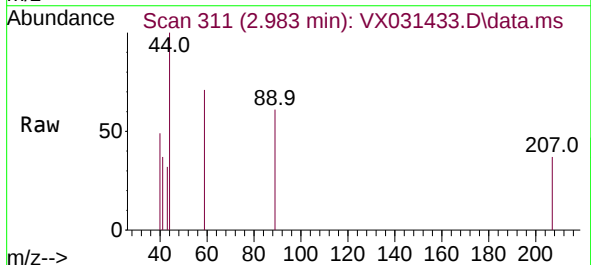


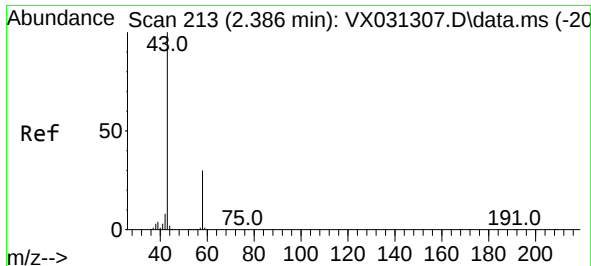
Tgt Ion:142 Resp: 169
Ion Ratio Lower Upper
142 100
127 25.4 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.983 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

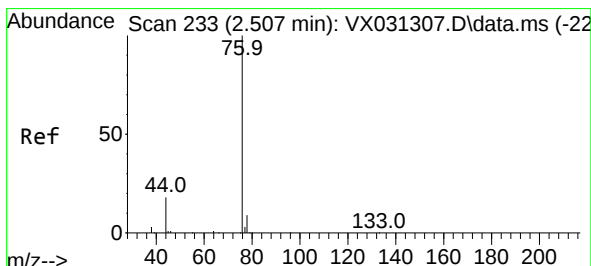
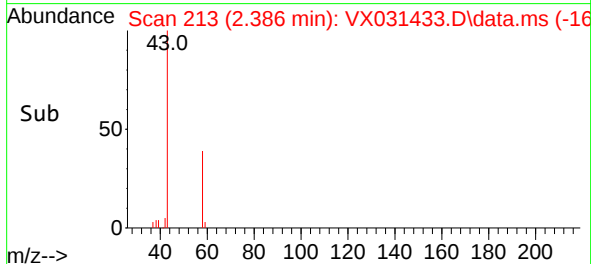
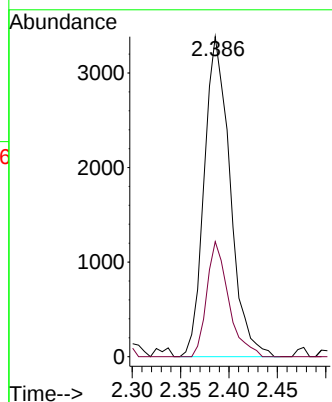
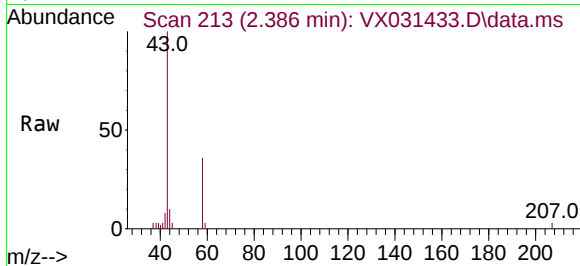




#16
Acetone
Concen: 7.186 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

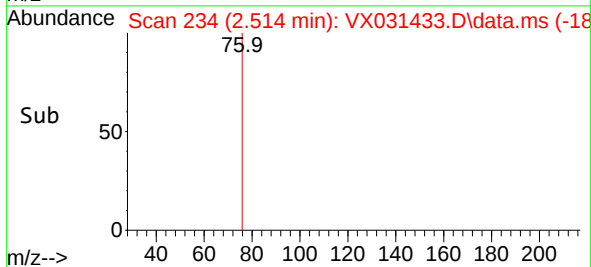
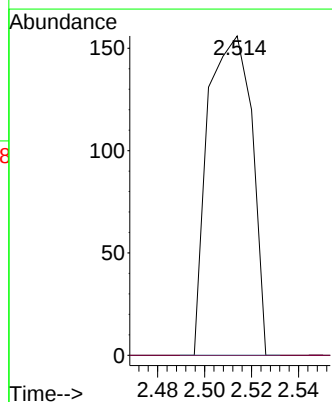
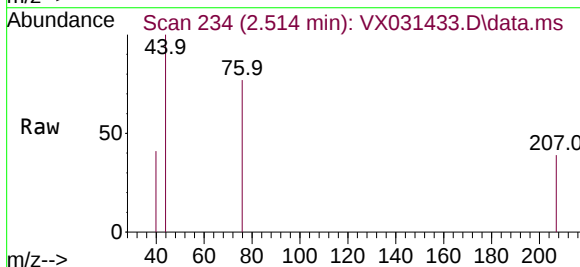
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#02

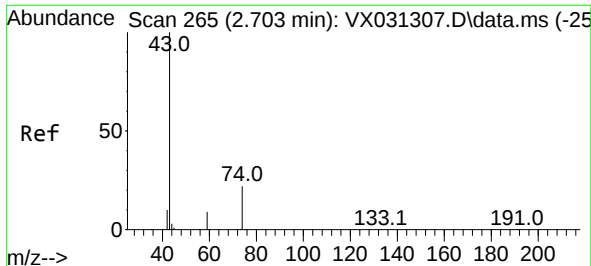
Tgt Ion: 43 Resp: 6298
Ion Ratio Lower Upper
43 100
58 36.0 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.951 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

Tgt Ion: 76 Resp: 202
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

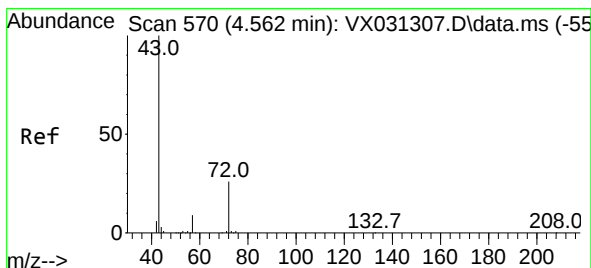
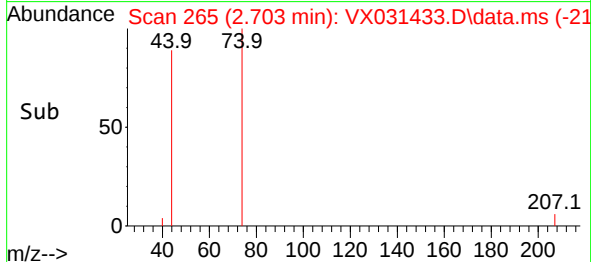
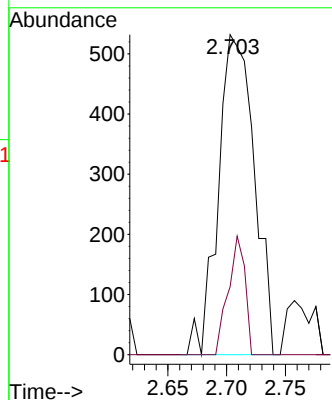
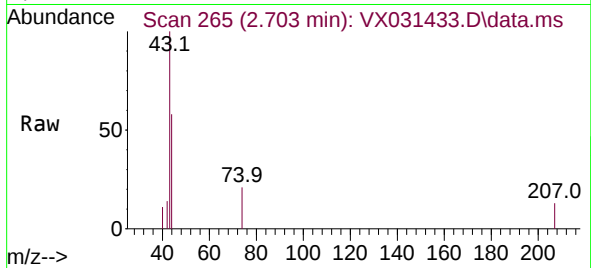




#18
Methyl Acetate
Concen: 0.437 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

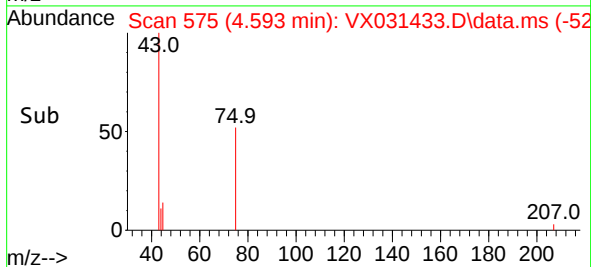
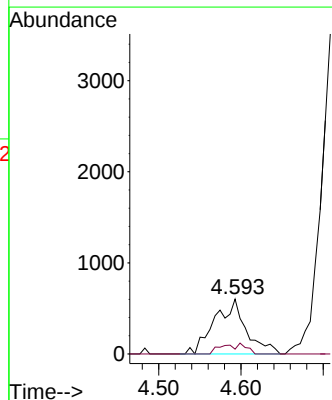
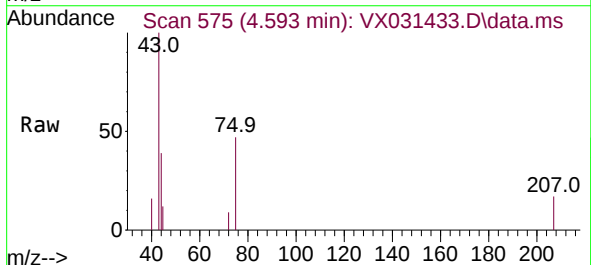
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#02

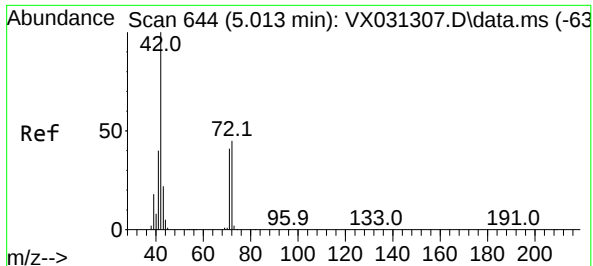
Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
74 17.2 18.6 27.8#



#25
2-Butanone
Concen: 1.114 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.031 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

Tgt Ion: 43 Resp: 1610
Ion Ratio Lower Upper
43 100
72 9.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.382 ug/l

RT: 5.020 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

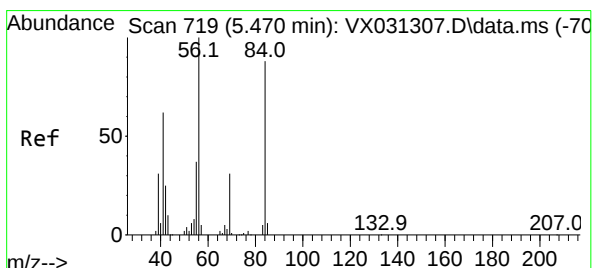
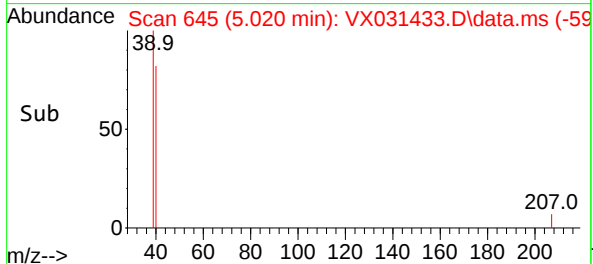
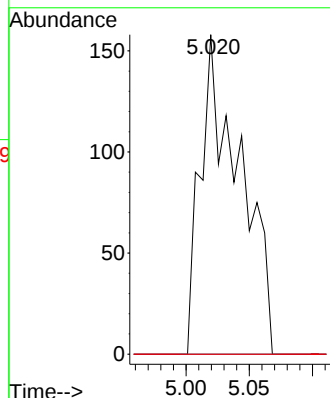
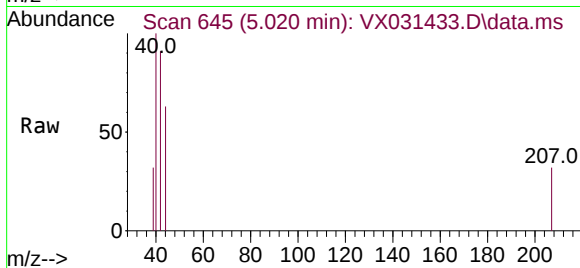
Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#02

Tgt Ion:	42	Resp:	342
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.4	54.6#
71	0.0	33.5	50.3#



#31

Cyclohexane

Concen: 0.864 ug/l

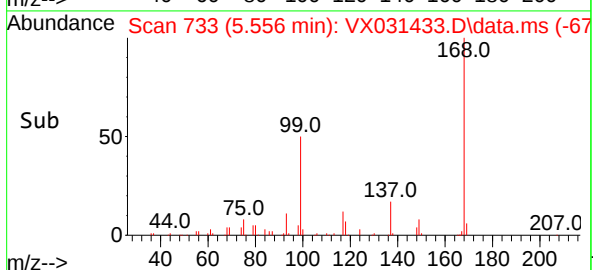
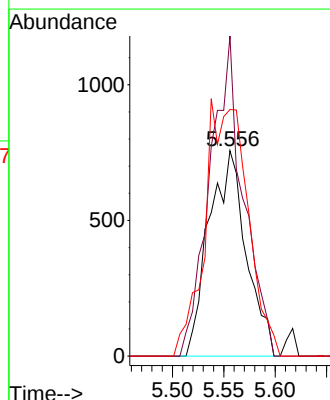
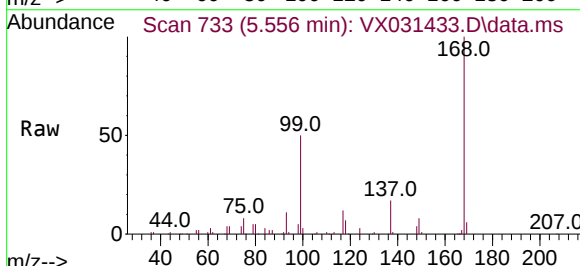
RT: 5.556 min Scan# 733

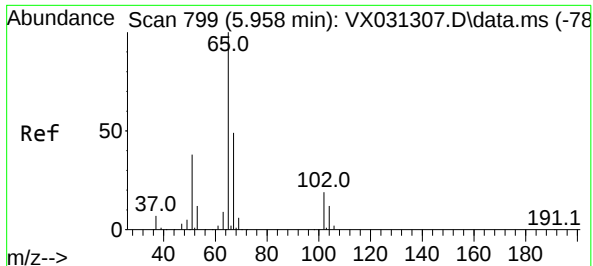
Delta R.T. 0.086 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

Tgt Ion:	56	Resp:	1906
Ion	Ratio	Lower	Upper
56	100		
69	155.9	25.1	37.7#
84	120.1	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 25.245 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

Instrument :

MSVOA_X

ClientSampleId :

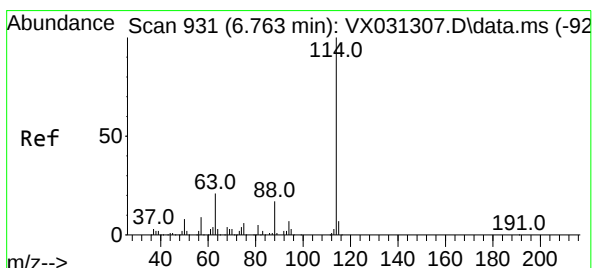
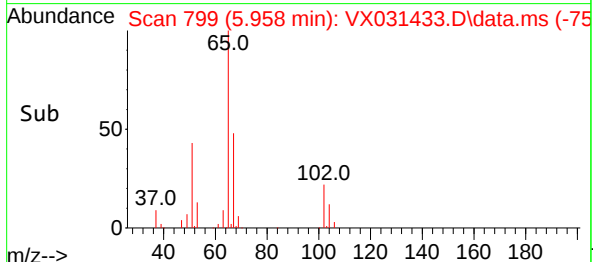
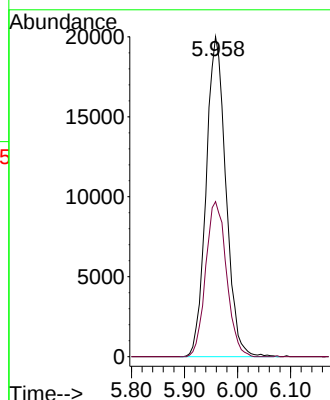
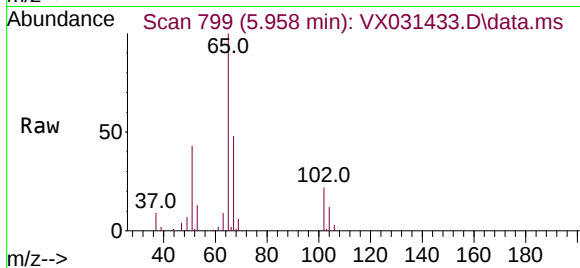
PB147603ZHE#02

Tgt Ion: 65 Resp: 51829

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

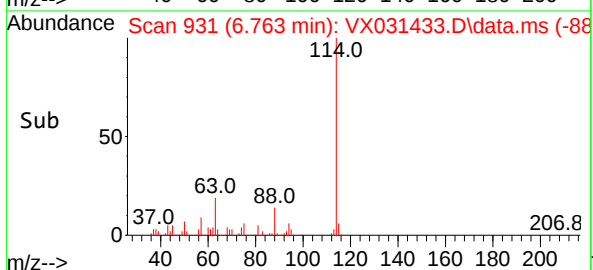
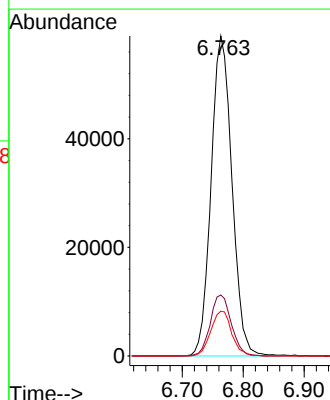
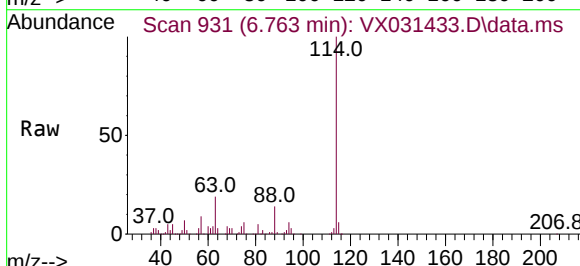
Tgt Ion: 114 Resp: 140390

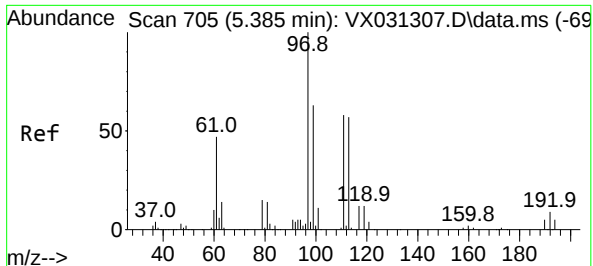
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

88 14.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 29.041 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#02

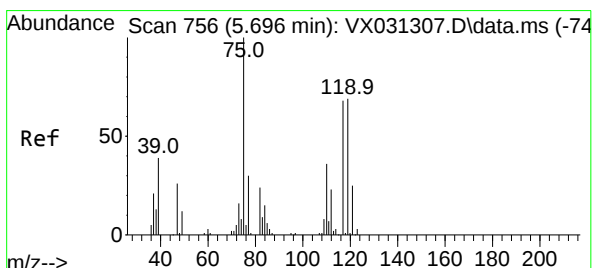
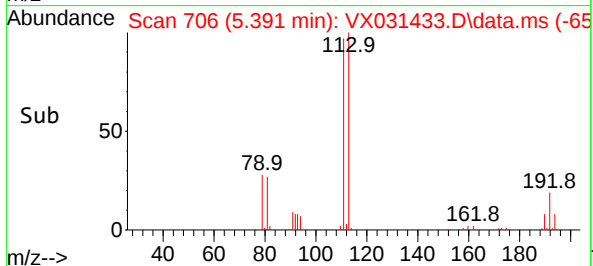
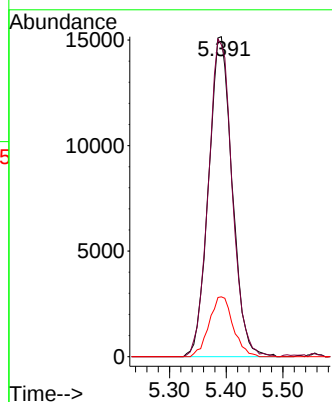
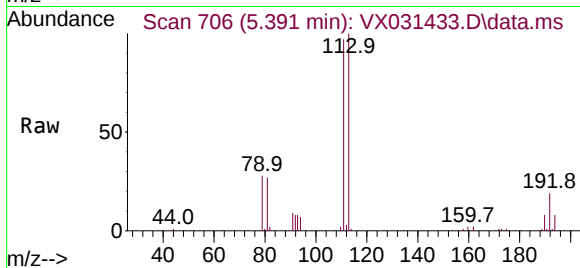
Tgt Ion:113 Resp: 43826

Ion Ratio Lower Upper

113 100

111 100.2 82.4 123.6

192 19.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.219 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

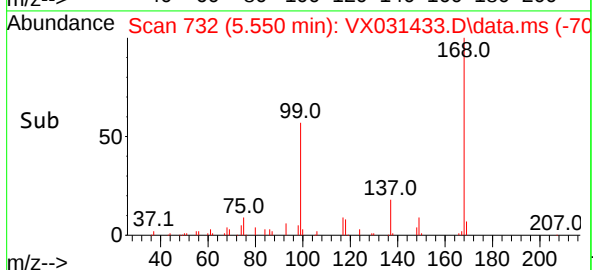
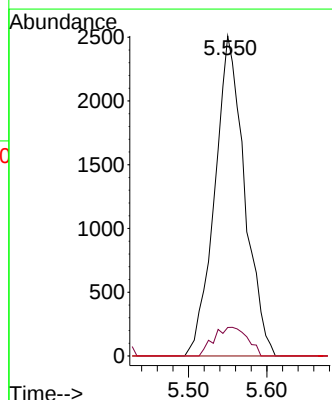
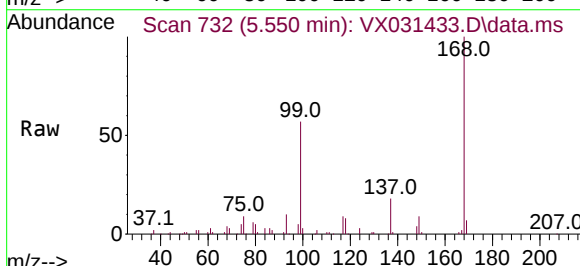
Tgt Ion: 75 Resp: 6648

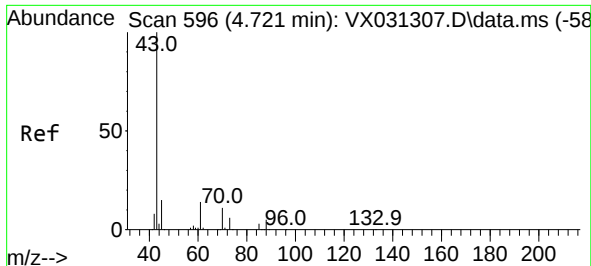
Ion Ratio Lower Upper

75 100

110 10.1 17.5 52.5#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.963 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#02

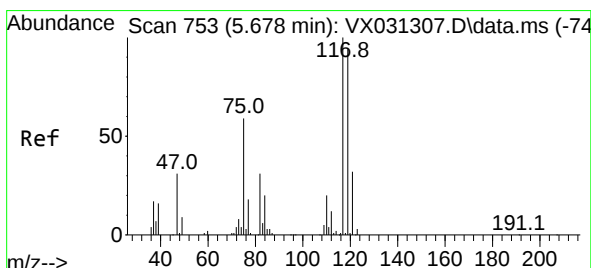
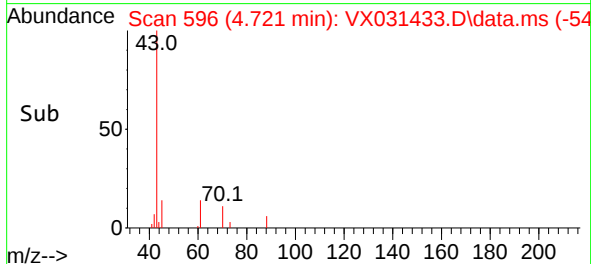
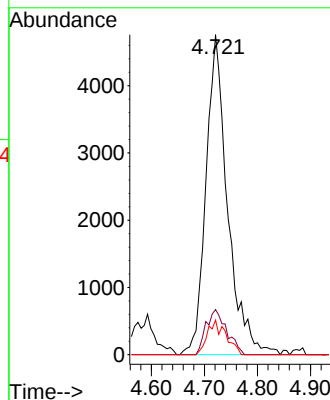
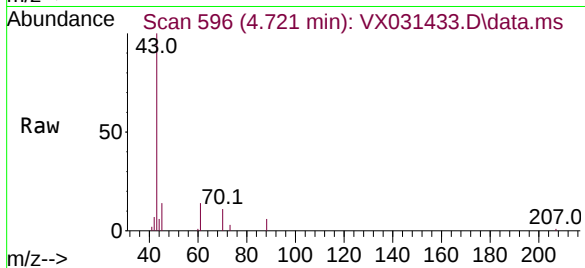
Tgt Ion: 43 Resp: 13472

Ion Ratio Lower Upper

43 100

61 13.5 11.1 16.7

70 9.2 8.6 13.0



#38

Carbon Tetrachloride

Concen: 3.657 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

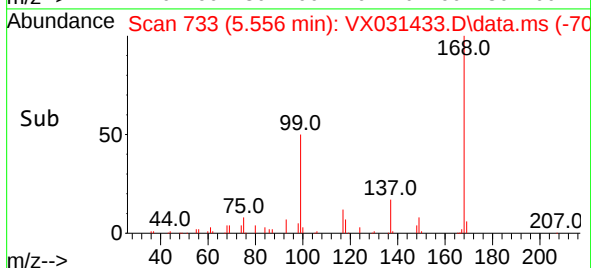
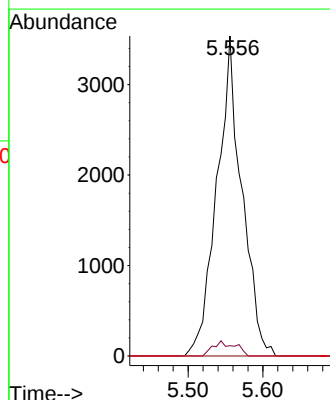
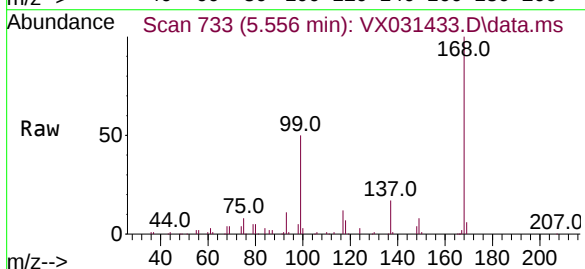
Tgt Ion: 117 Resp: 8212

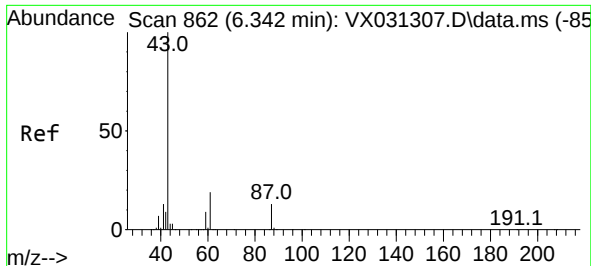
Ion Ratio Lower Upper

117 100

119 3.2 74.6 112.0#

121 0.0 25.3 37.9#

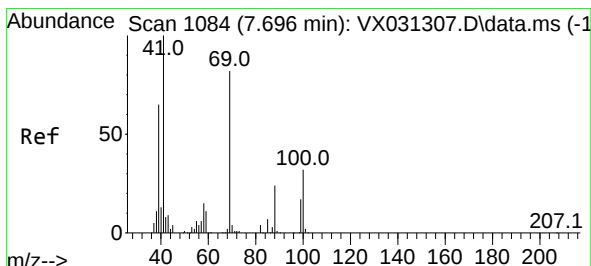
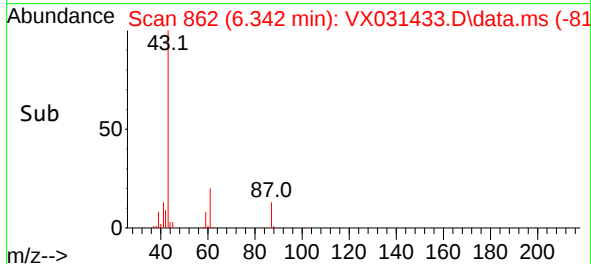
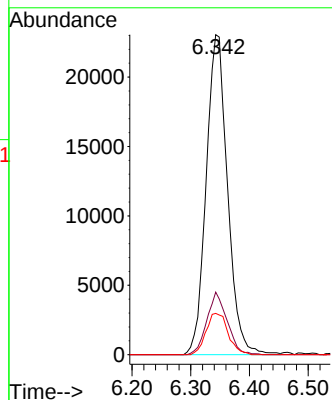
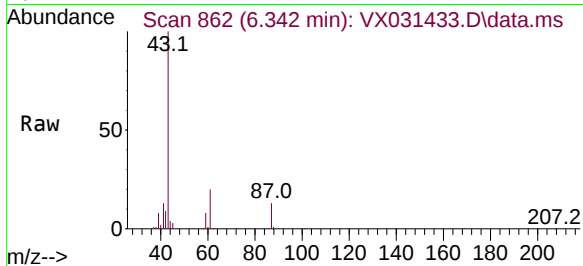




#43
Isopropyl Acetate
Concen: 12.581 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

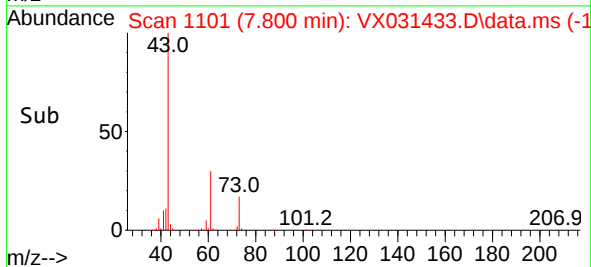
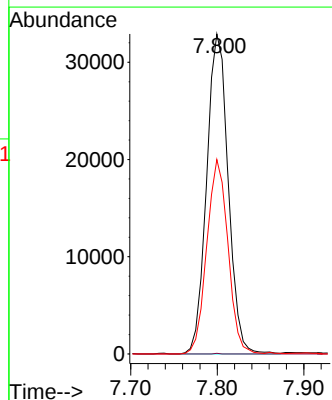
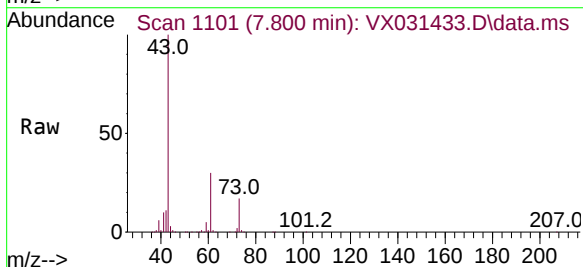
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#02

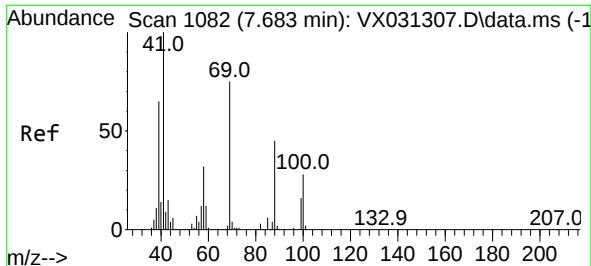
Tgt Ion: 43 Resp: 58294
Ion Ratio Lower Upper
43 100
61 18.5 15.3 22.9
87 13.3 10.6 15.8



#48
Methyl methacrylate
Concen: 26.995 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

Tgt Ion: 41 Resp: 56938
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 59.6 51.4 77.0





#49

1,4-Dioxane

Concen: 2.482 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.122 min

Lab File: VX031433.D

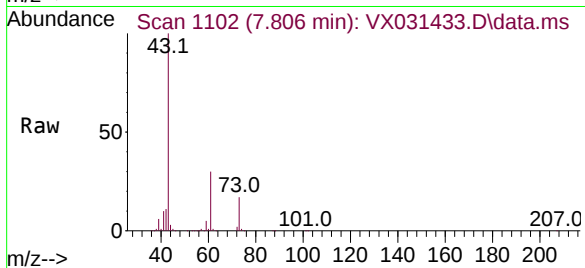
Acq: 17 Sep 2022 00:36

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#02



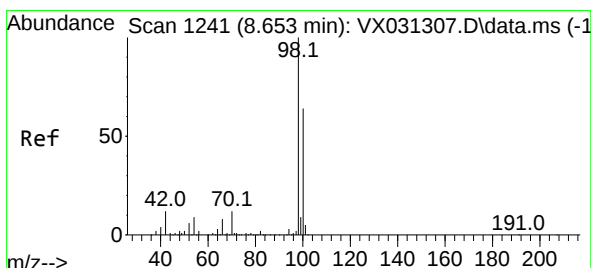
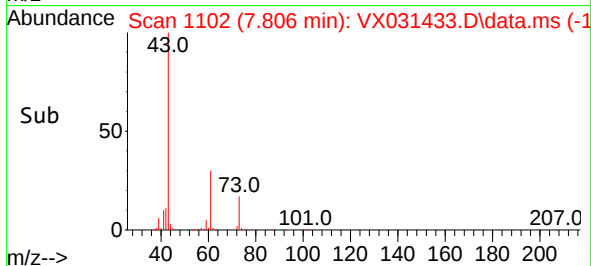
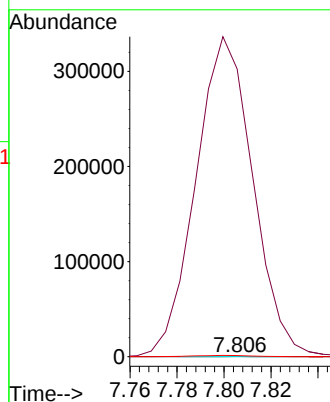
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 545330.5 27.1 40.7#

58 2232.4 53.9 80.9#



#50

Toluene-d8

Concen: 30.118 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031433.D

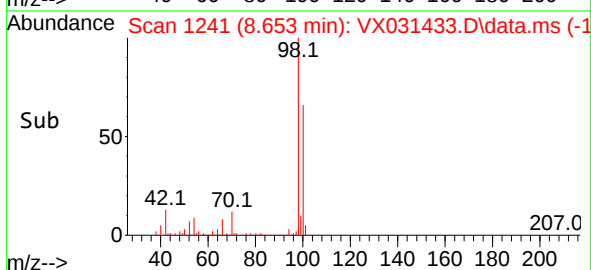
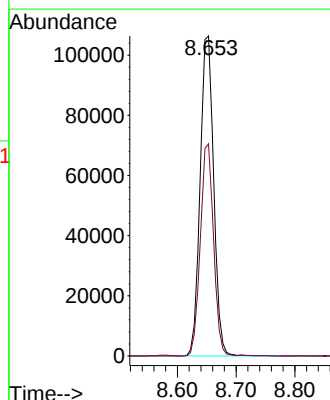
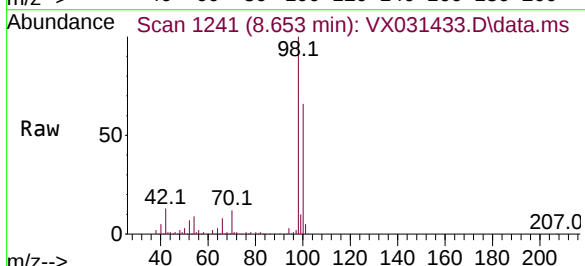
Acq: 17 Sep 2022 00:36

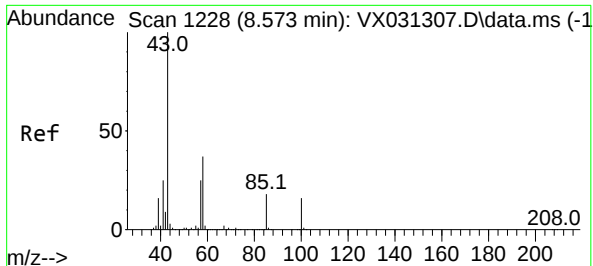
Tgt Ion: 98 Resp: 170490

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 16.705 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

Instrument :

MSVOA_X

ClientSampleId :

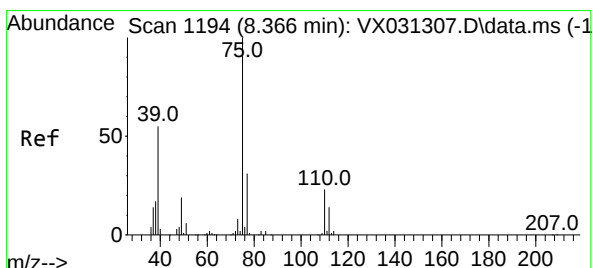
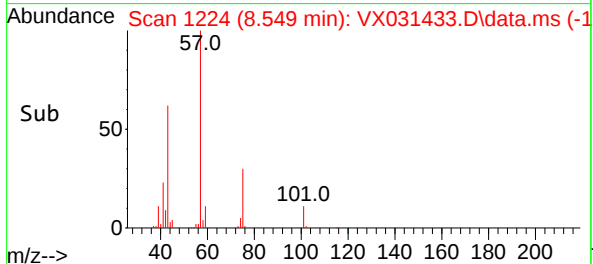
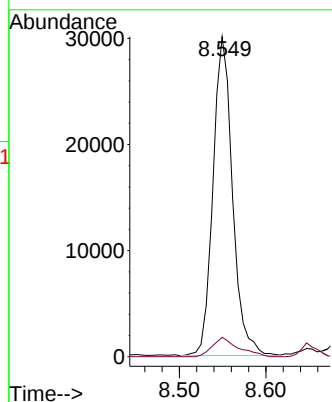
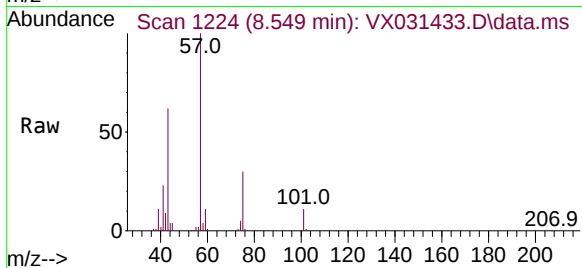
PB147603ZHE#02

Tgt Ion: 43 Resp: 47047

Ion Ratio Lower Upper

43 100

58 8.0 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.847 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

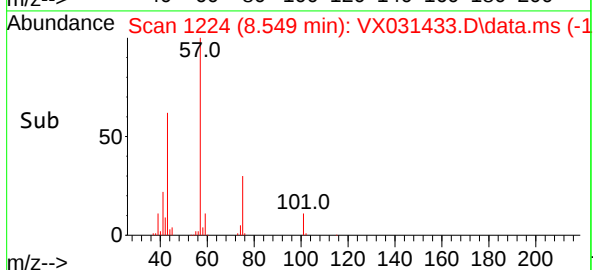
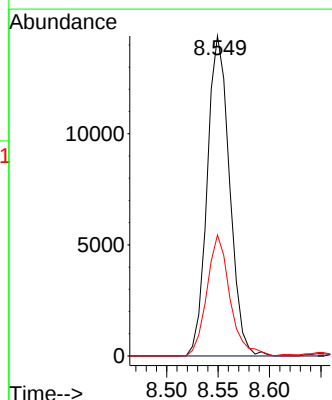
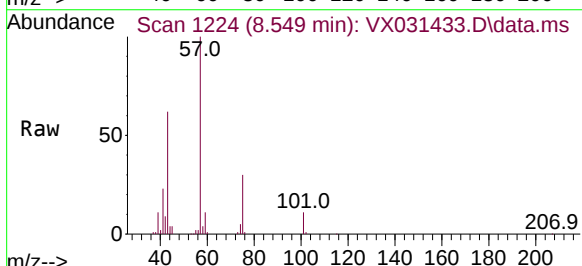
Tgt Ion: 75 Resp: 21737

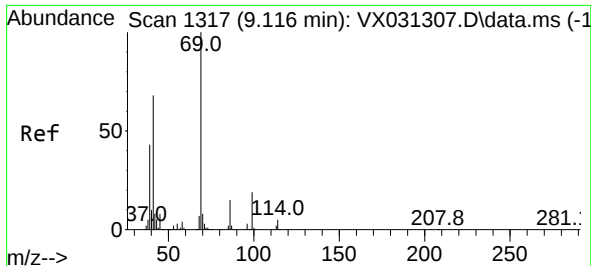
Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 37.8 43.7 65.5#





#56

Ethyl methacrylate

Concen: 0.205 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

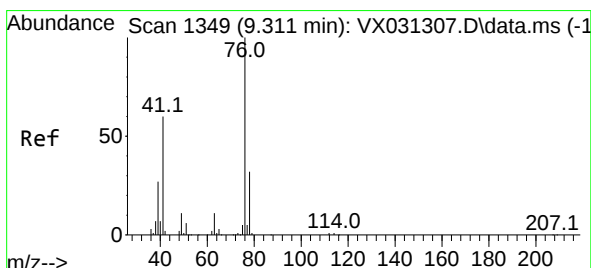
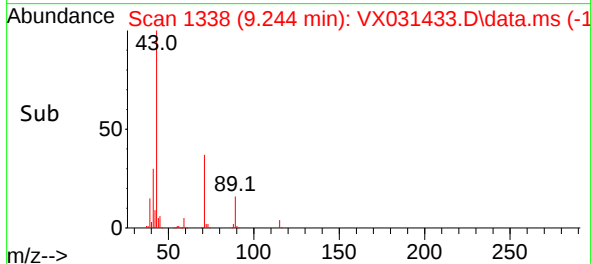
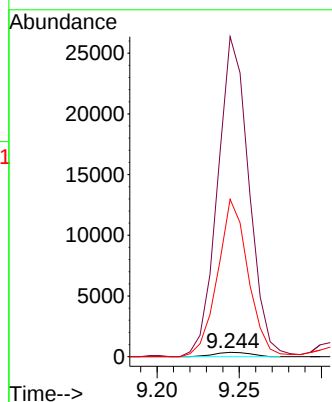
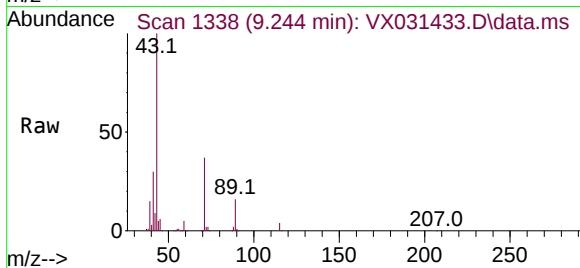
Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#02

Tgt Ion:	69	Resp:	550
Ion	Ratio	Lower	Upper
69	100		
41	6366.5	54.2	81.4#
39	3065.6	34.2	51.2#



#57

1,3-Dichloropropane

Concen: 0.953 ug/l

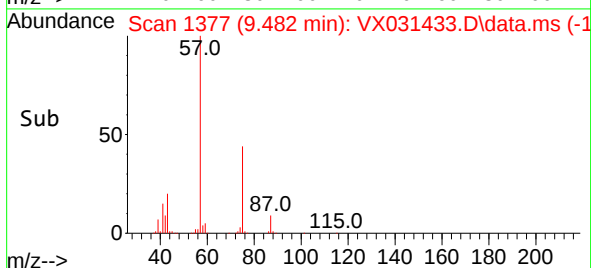
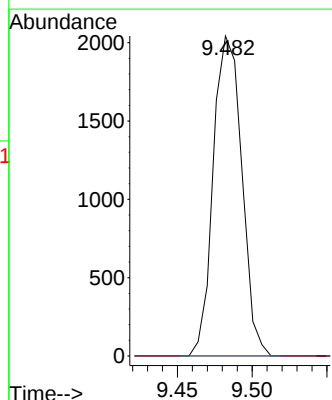
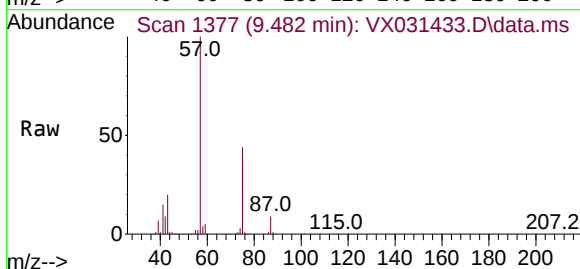
RT: 9.482 min Scan# 1377

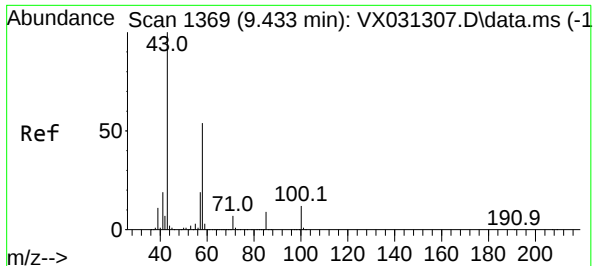
Delta R.T. 0.171 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

Tgt Ion:	76	Resp:	2713
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.5	38.3#





#59

2-Hexanone

Concen: 17.916 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

Instrument :

MSVOA_X

ClientSampleId :

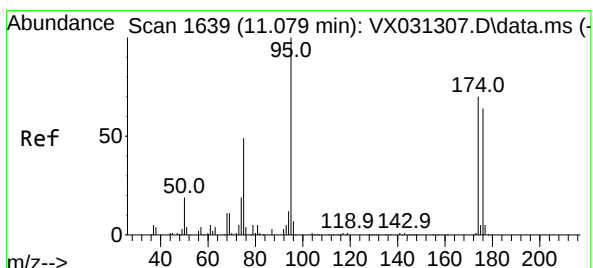
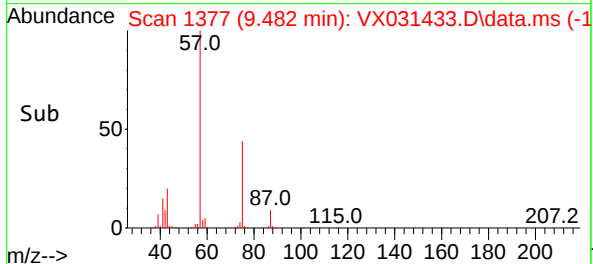
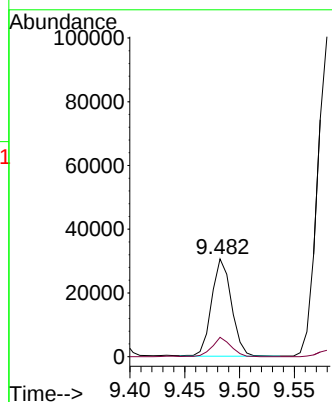
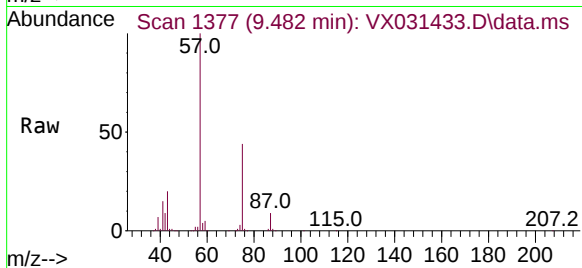
PB147603ZHE#02

Tgt Ion: 43 Resp: 38511

Ion Ratio Lower Upper

43 100

58 19.1 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 26.112 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

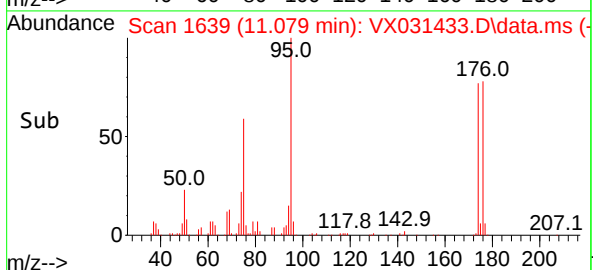
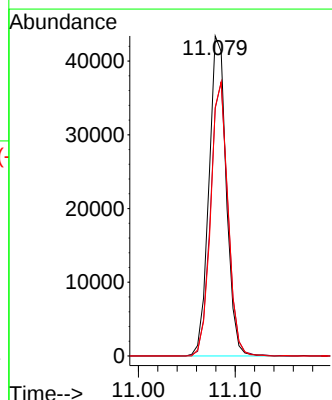
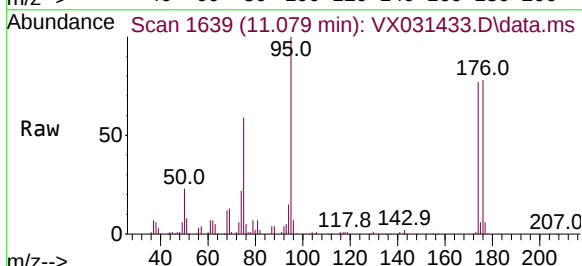
Tgt Ion: 95 Resp: 54128

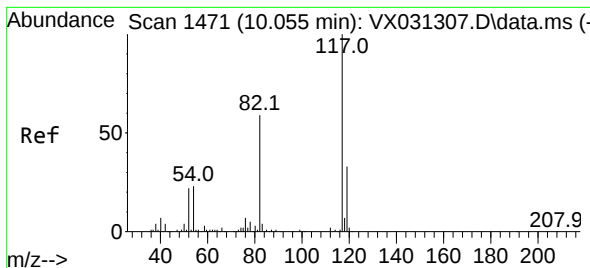
Ion Ratio Lower Upper

95 100

174 85.7 0.0 153.2

176 85.1 0.0 144.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#02

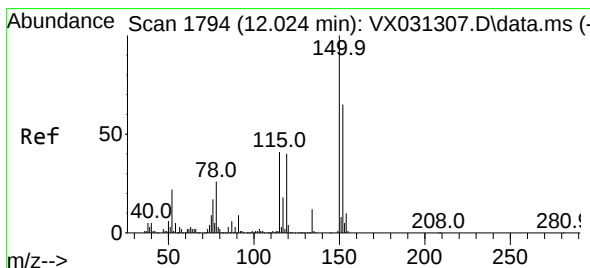
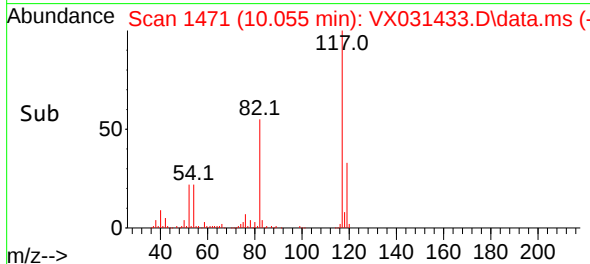
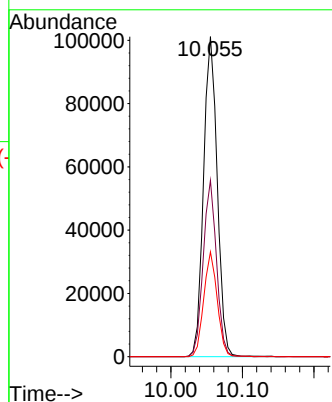
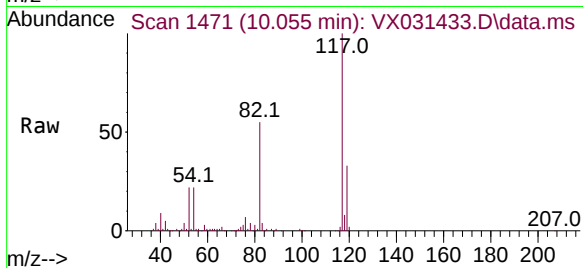
Tgt Ion:117 Resp: 134635

Ion Ratio Lower Upper

117 100

82 55.1 46.8 70.2

119 32.8 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX031433.D

Acq: 17 Sep 2022 00:36

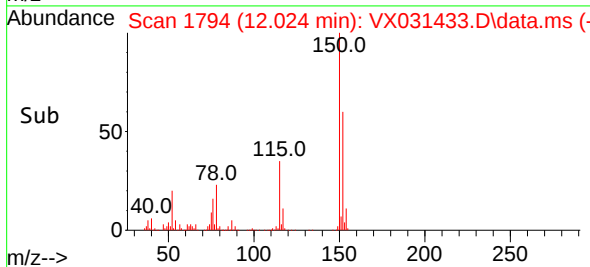
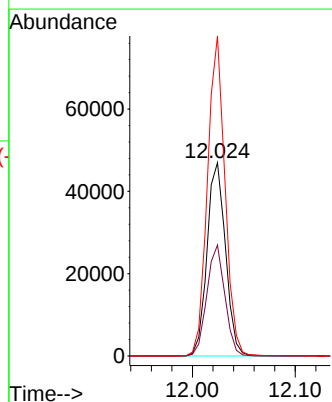
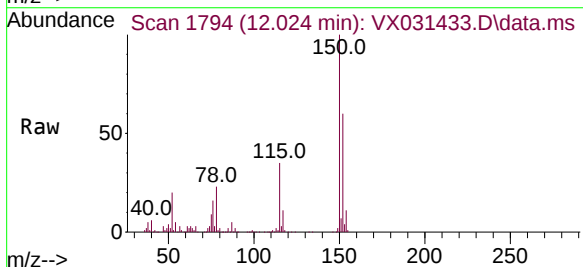
Tgt Ion:152 Resp: 58573

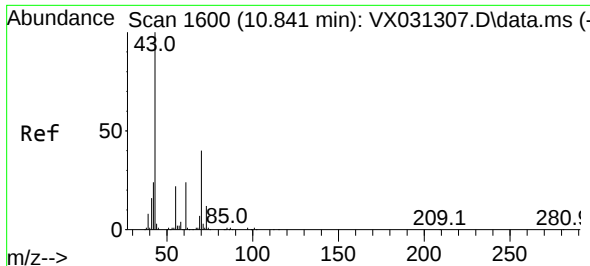
Ion Ratio Lower Upper

152 100

115 56.1 43.4 130.1

150 157.1 0.0 346.8

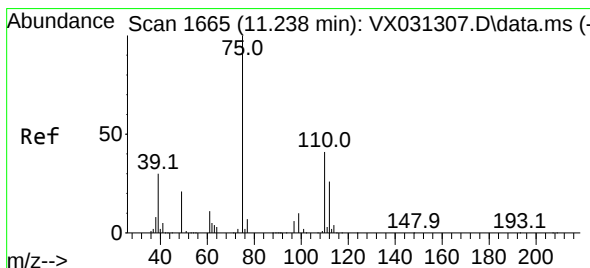
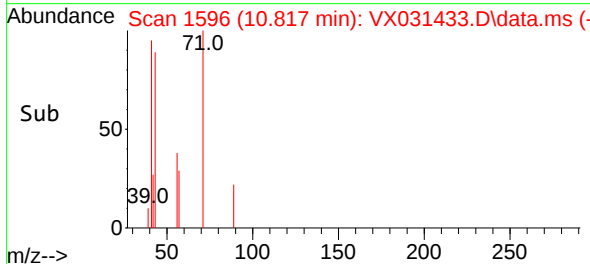
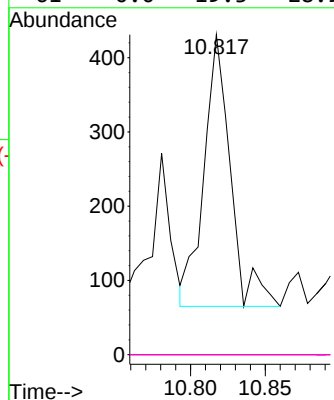
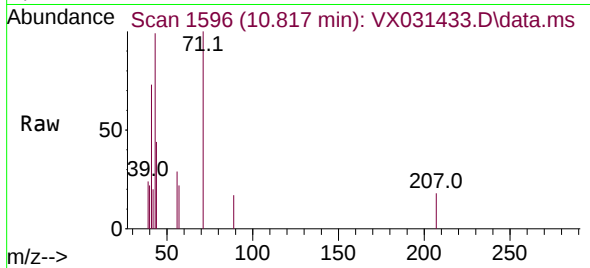




#74
N-amy1 acetate
Concen: 0.209 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

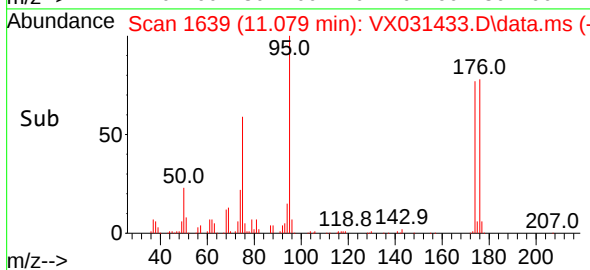
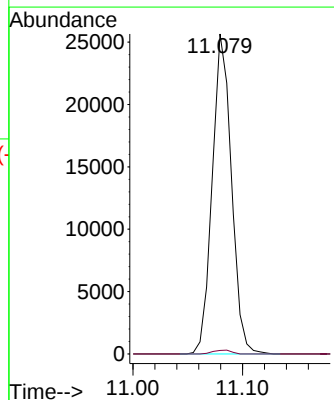
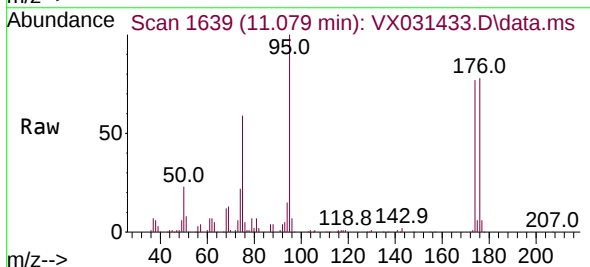
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#02

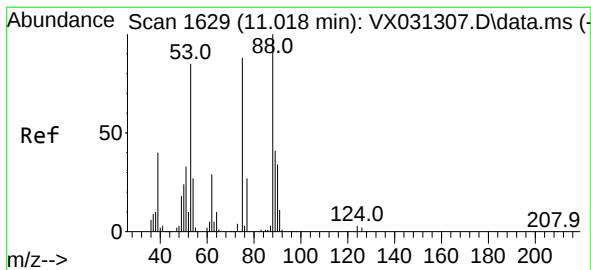
Tgt Ion: 43	Resp: 450
Ion Ratio	Lower Upper
43 100	
70 0.0	33.4 50.2#
55 0.0	18.2 27.2#
61 0.0	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 21.141 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031433.D
Acq: 17 Sep 2022 00:36

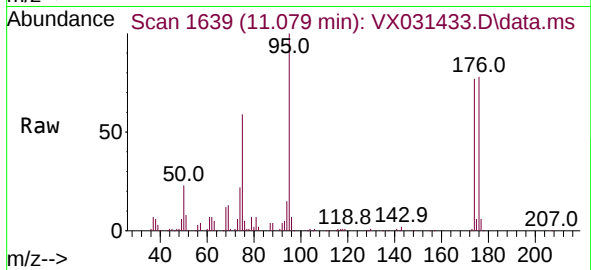
Tgt Ion: 75	Resp: 31205
Ion Ratio	Lower Upper
75 100	
77 1.2	20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.497 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX031433.D
 Acq: 17 Sep 2022 00:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#02



Tgt Ion: 75 Resp: 31205
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

