

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031441.D
 Acq On : 17 Sep 2022 03:42
 Operator : JC/MD
 Sample : PB147603ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#10

Quant Time: Sep 17 04:30:59 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	81394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135279	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49737	24.895	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	49.800%#
35) Dibromofluoromethane	5.391	113	42221	29.035	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	58.060%#
50) Toluene-d8	8.653	98	165818	30.399	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	60.800%#
62) 4-Bromofluorobenzene	11.079	95	52532	26.299	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	52.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	281	Below Cal	#	41
5) Bromomethane	1.618	94	389	0.365	ug/l #	76
11) Tert butyl alcohol	2.947	59	630	Below Cal	#	73
16) Acetone	2.392	43	8310	9.743	ug/l #	86
17) Carbon Disulfide	2.526	76	96	0.914	ug/l #	75
18) Methyl Acetate	2.715	43	1368	0.541	ug/l	90
20) Methylene Chloride	2.794	84	2256	Below Cal	#	92
25) 2-Butanone	4.580	43	1176	0.836	ug/l	97
29) Tetrahydrofuran	5.026	42	262	0.301	ug/l #	69
31) Cyclohexane	5.550	56	1979	0.922	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	6607	3.320	ug/l #	50
37) Ethyl Acetate	4.721	43	11935	4.563	ug/l	98
38) Carbon Tetrachloride	5.556	117	7952	3.676	ug/l #	17
43) Isopropyl Acetate	6.342	43	58079	13.009	ug/l	99
48) Methyl methacrylate	7.799	41	53878	26.509	ug/l #	48
49) 1,4-Dioxane	7.787	88	58	1.423	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47674	17.567	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	21273	7.970	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	2778	1.013	ug/l #	43
59) 2-Hexanone	9.482	43	38004	18.348	ug/l #	52
74) N-amyl acetate	10.817	43	510	0.239	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	31093	21.227	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31093	58.737	ug/l #	11

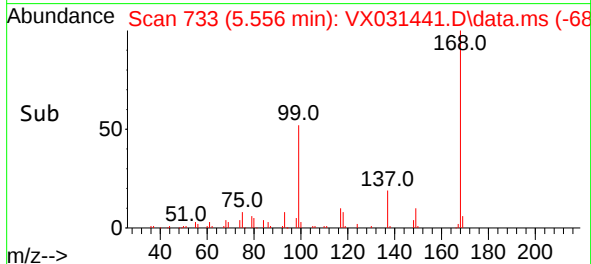
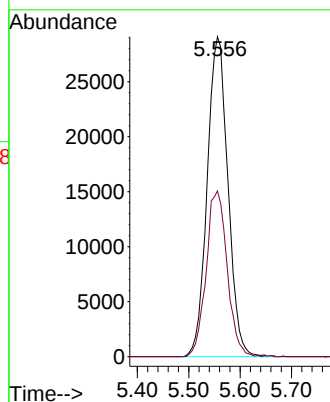
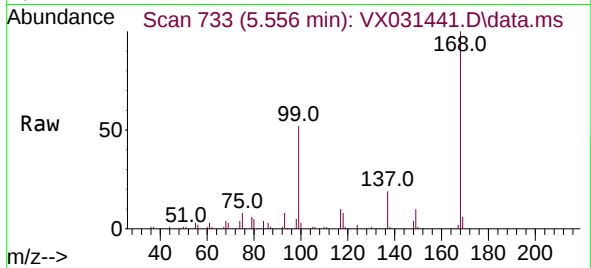
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

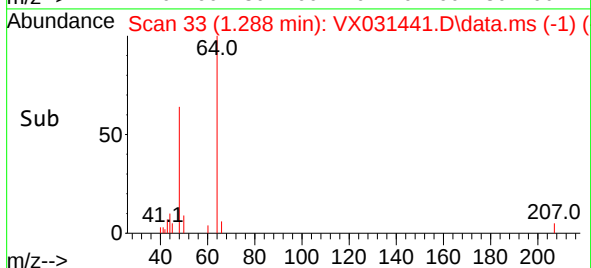
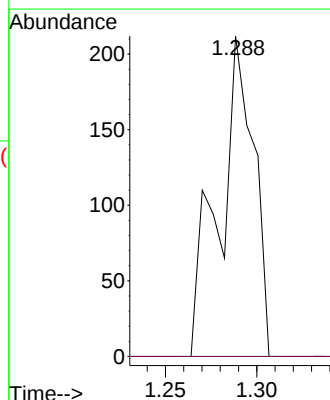
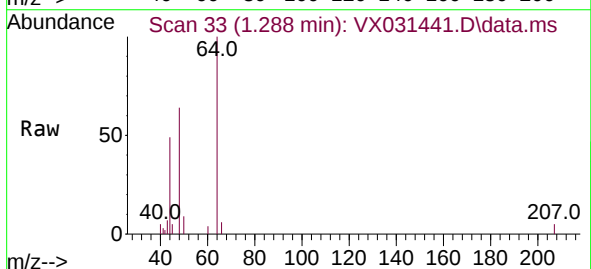
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#10

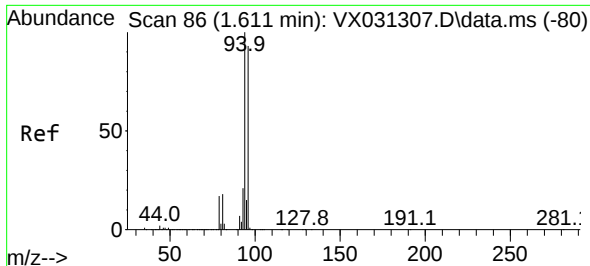
Tgt Ion:168 Resp: 81394
Ion Ratio Lower Upper
168 100
99 51.8 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

Tgt Ion: 50 Resp: 281
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

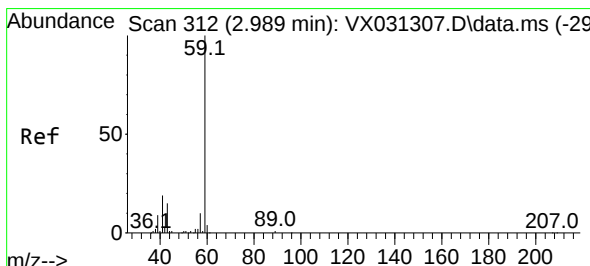
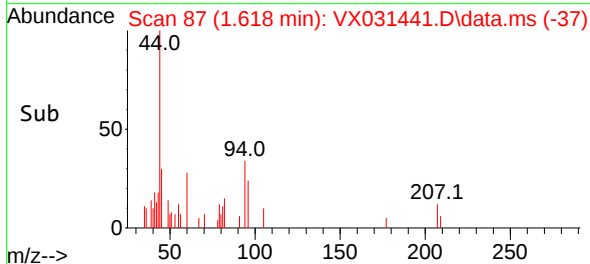
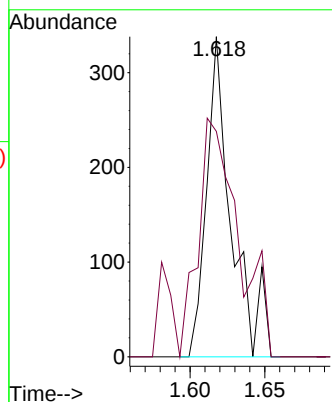
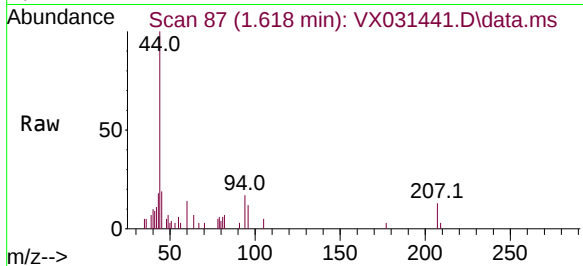




#5
Bromomethane
Concen: 0.365 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

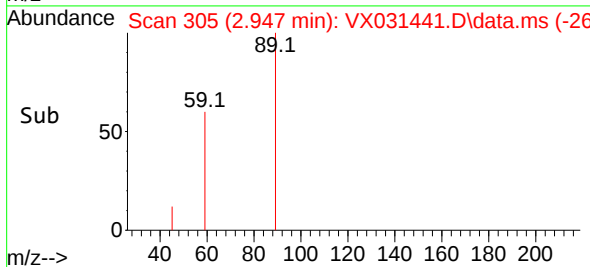
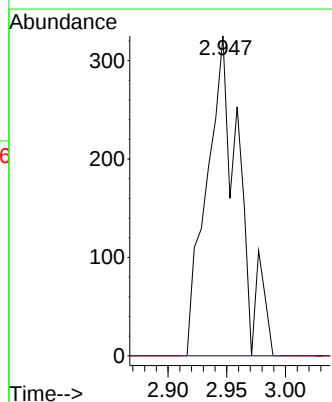
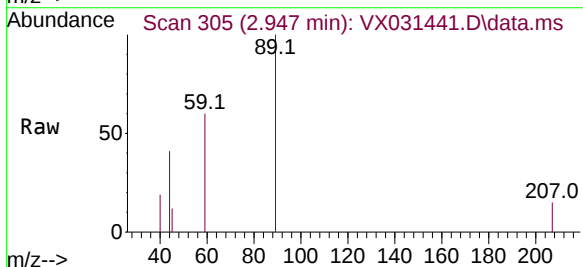
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#10

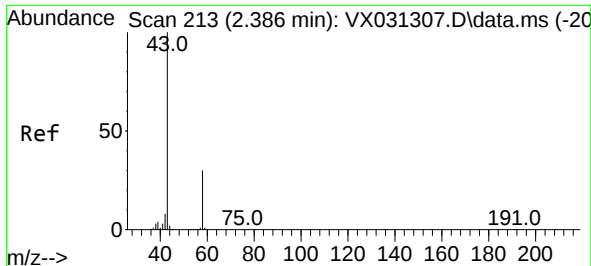
Tgt Ion: 94 Resp: 389
Ion Ratio Lower Upper
94 100
96 70.4 74.4 111.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

Tgt Ion: 59 Resp: 630
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 9.743 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031441.D

Acq: 17 Sep 2022 03:42

Instrument :

MSVOA_X

ClientSampleId :

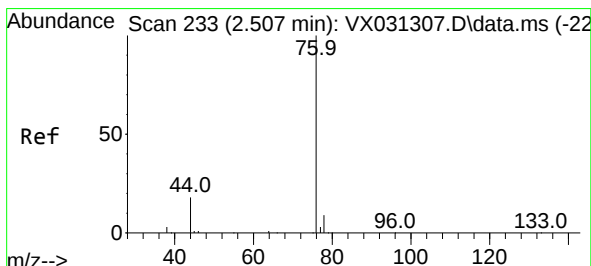
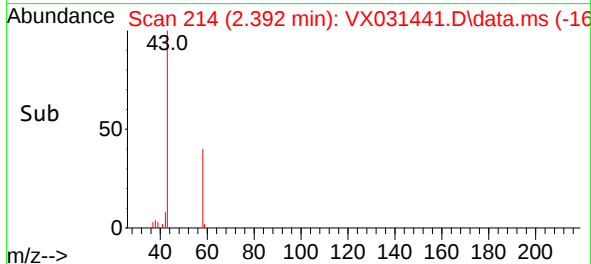
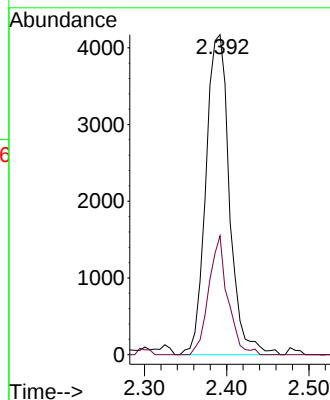
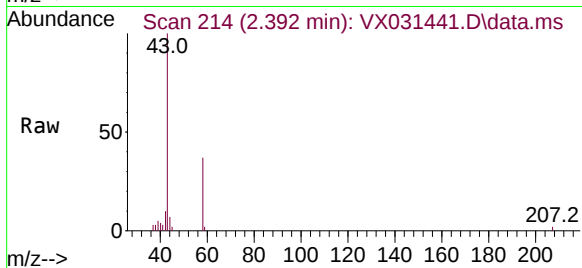
PB147603ZHE#10

Tgt Ion: 43 Resp: 8310

Ion Ratio Lower Upper

43 100

58 37.1 23.8 35.8#



#17

Carbon Disulfide

Concen: 0.914 ug/l

RT: 2.526 min Scan# 236

Delta R.T. 0.019 min

Lab File: VX031441.D

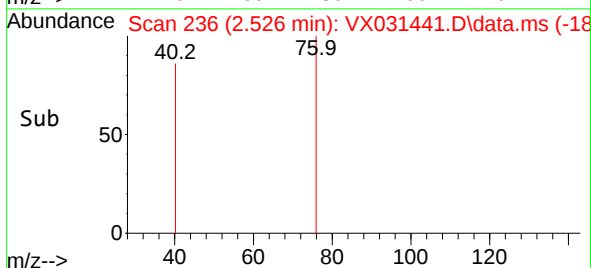
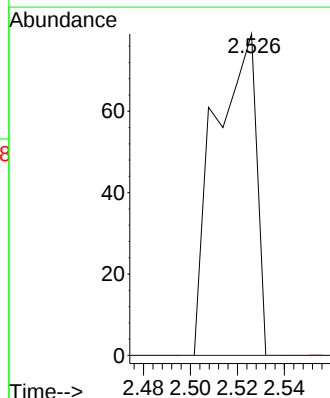
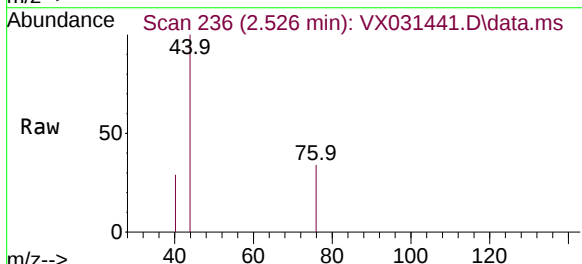
Acq: 17 Sep 2022 03:42

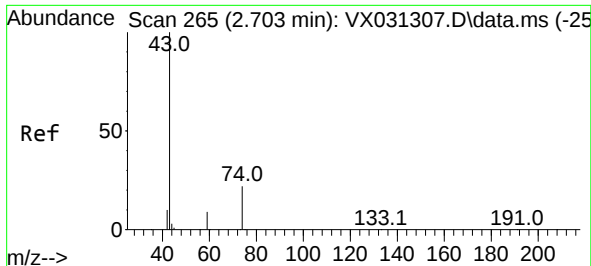
Tgt Ion: 76 Resp: 96

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.541 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.012 min

Lab File: VX031441.D

Acq: 17 Sep 2022 03:42

Instrument :

MSVOA_X

ClientSampleId :

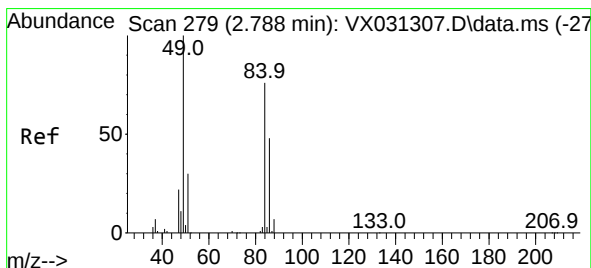
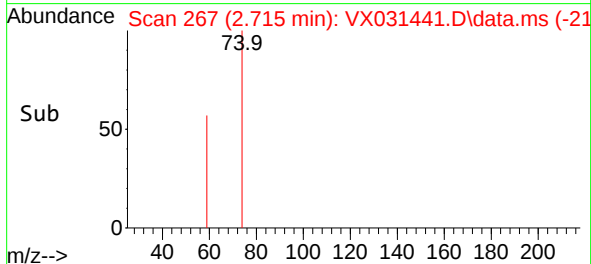
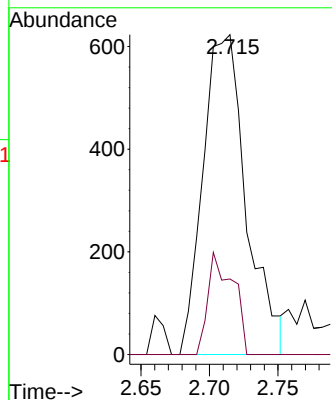
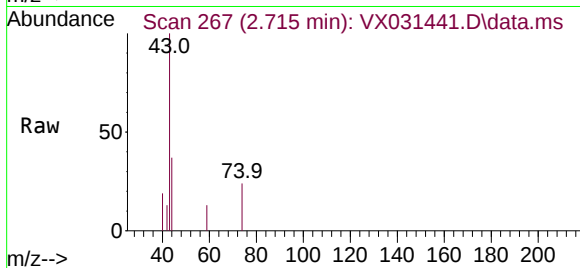
PB147603ZHE#10

Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

74 18.6 18.6 27.8



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX031441.D

Acq: 17 Sep 2022 03:42

Tgt Ion: 84 Resp: 2256

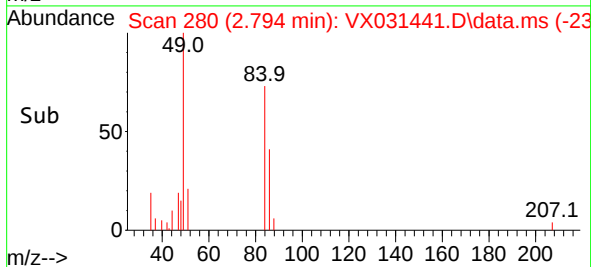
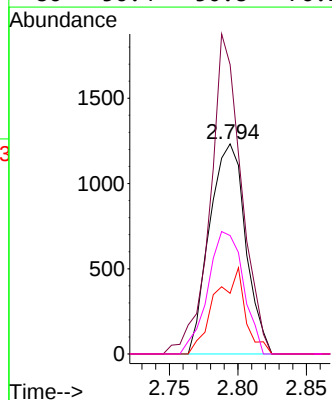
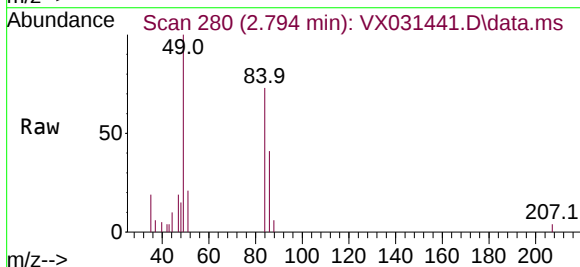
Ion Ratio Lower Upper

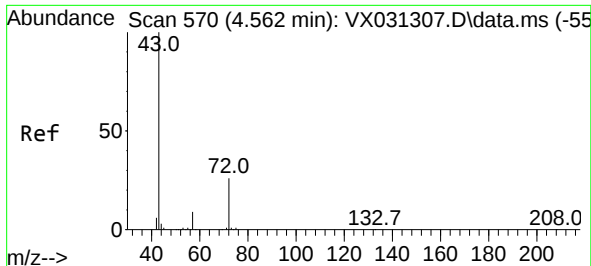
84 100

49 137.7 105.9 158.9

51 28.9 32.2 48.2#

86 56.4 50.8 76.2





#25

2-Butanone

Concen: 0.836 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX031441.D

Acq: 17 Sep 2022 03:42

Instrument :

MSVOA_X

ClientSampleId :

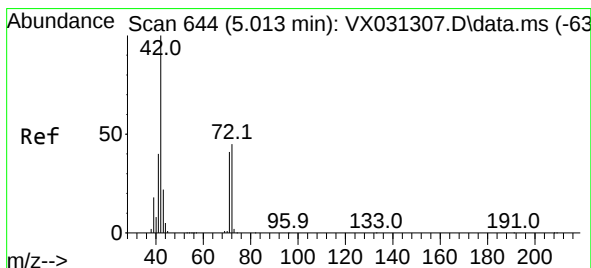
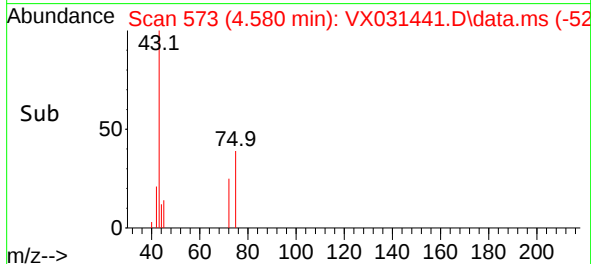
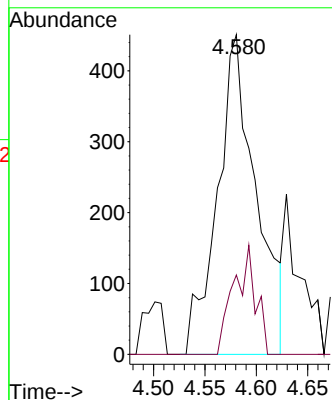
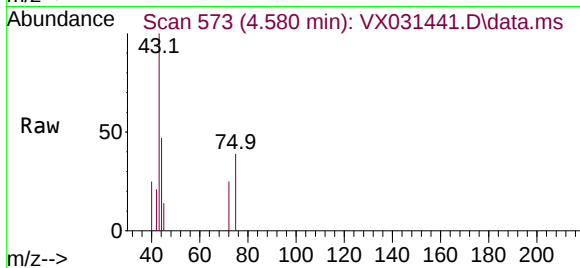
PB147603ZHE#10

Tgt Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

72 24.8 21.1 31.7



#29

Tetrahydrofuran

Concen: 0.301 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX031441.D

Acq: 17 Sep 2022 03:42

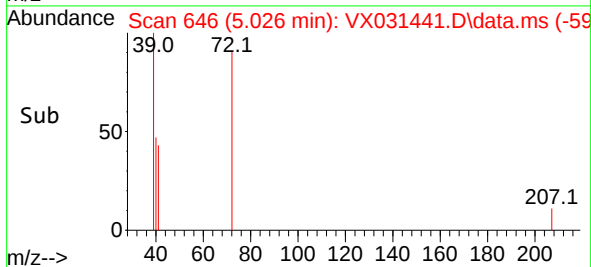
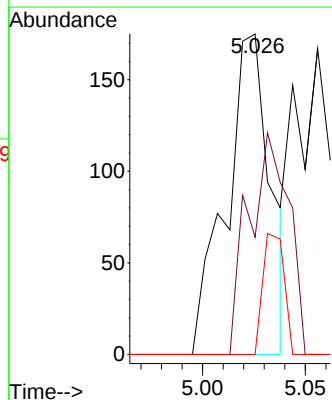
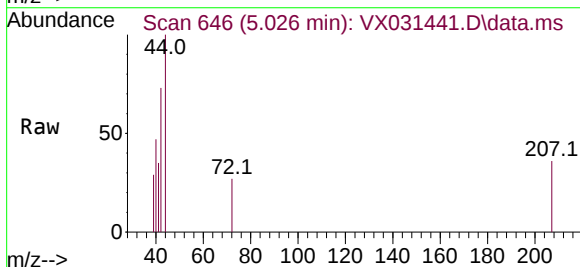
Tgt Ion: 42 Resp: 262

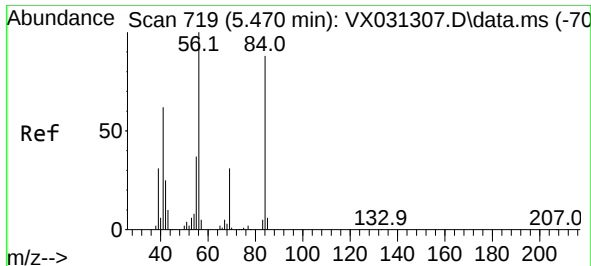
Ion Ratio Lower Upper

42 100

72 62.2 36.4 54.6#

71 17.9 33.5 50.3#

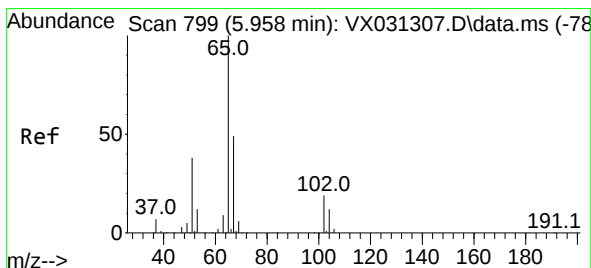
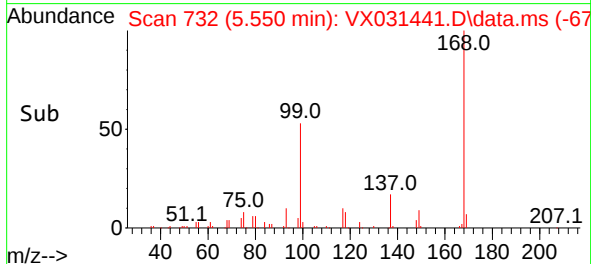
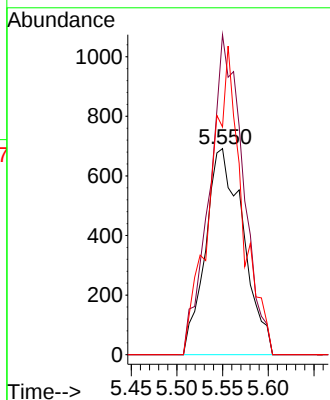
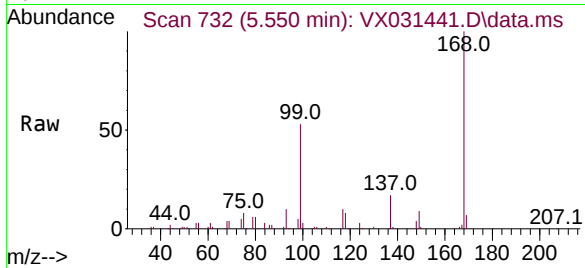




#31
Cyclohexane
Concen: 0.922 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

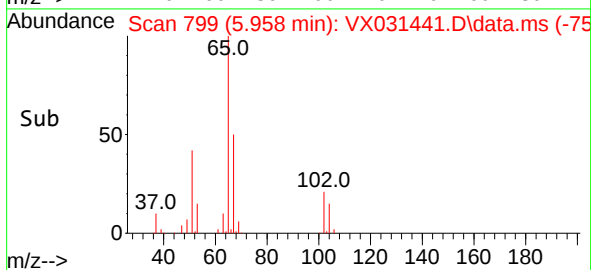
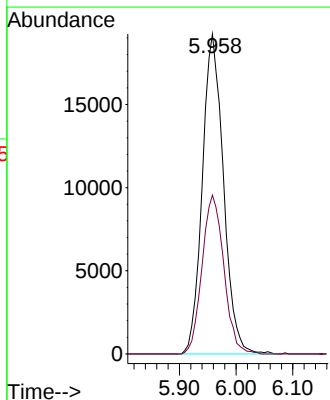
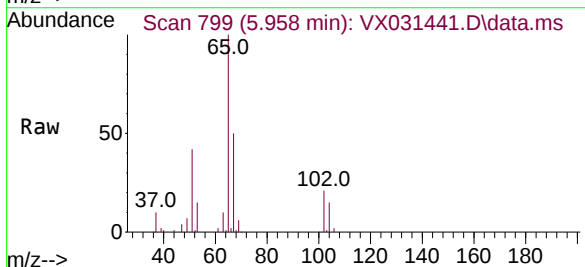
Instrument :
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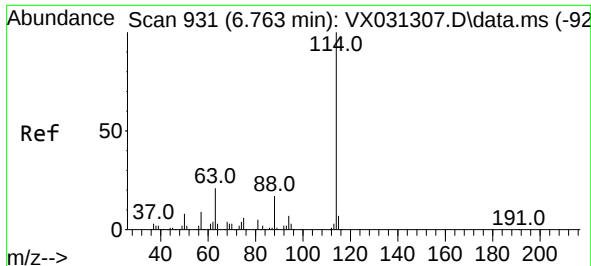
Tgt Ion: 56 Resp: 1979
Ion Ratio Lower Upper
56 100
69 155.2 25.1 37.7#
84 110.4 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 24.895 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

Tgt Ion: 65 Resp: 49737
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4

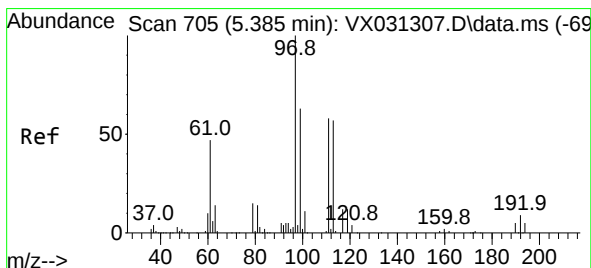
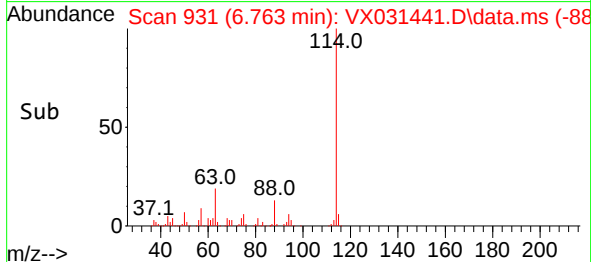
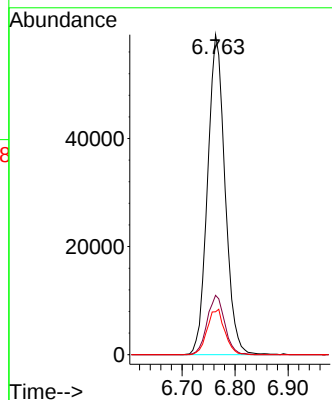
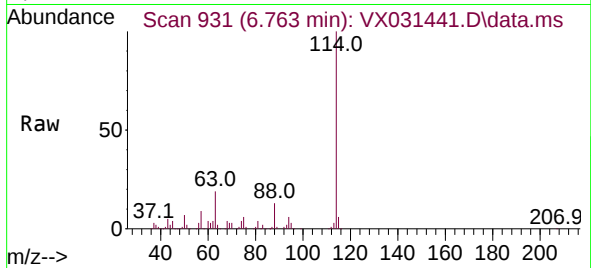




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

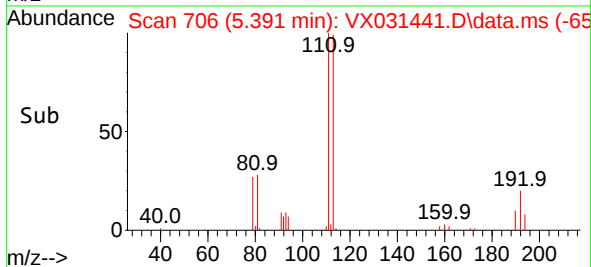
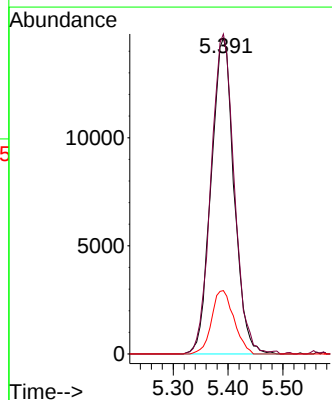
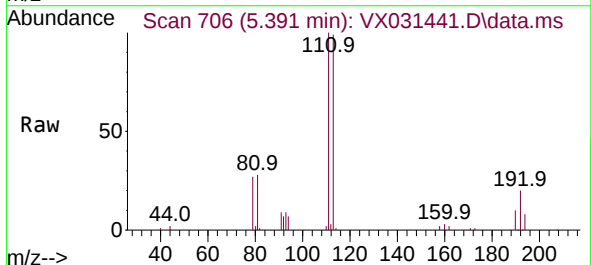
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#10

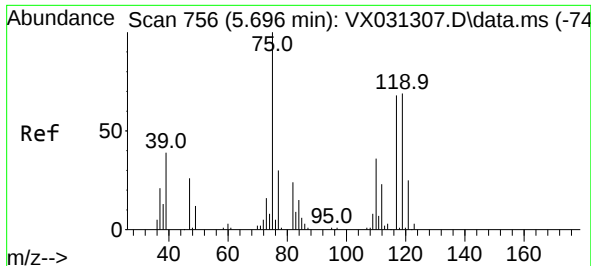
Tgt Ion:114 Resp: 135279
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.6
88 13.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 29.035 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

Tgt Ion:113 Resp: 42221
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 19.6 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.320 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031441.D

Acq: 17 Sep 2022 03:42

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#10

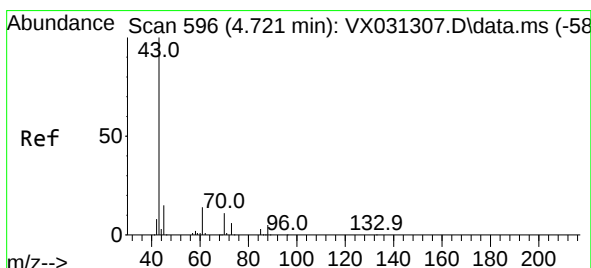
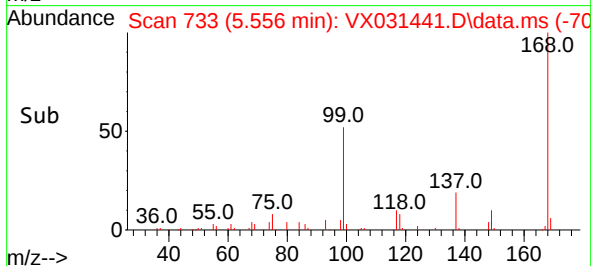
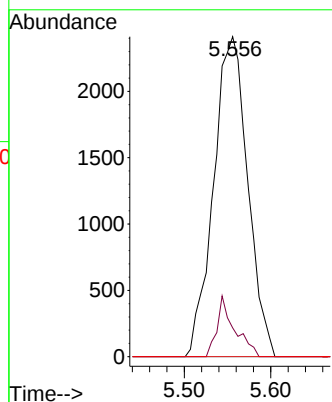
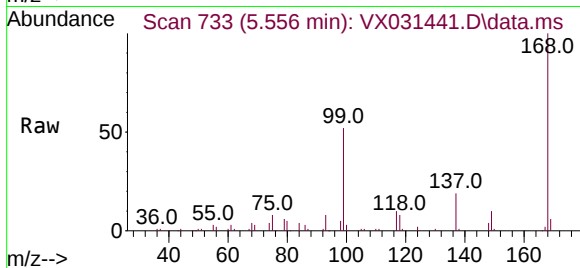
Tgt Ion: 75 Resp: 6607

Ion Ratio Lower Upper

75 100

110 9.8 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 4.563 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX031441.D

Acq: 17 Sep 2022 03:42

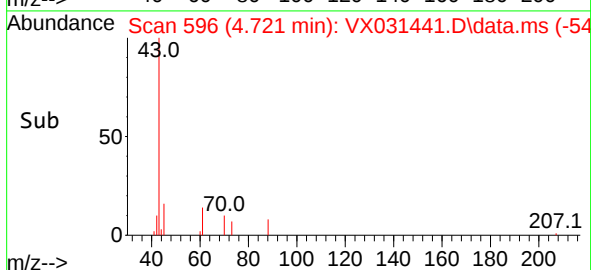
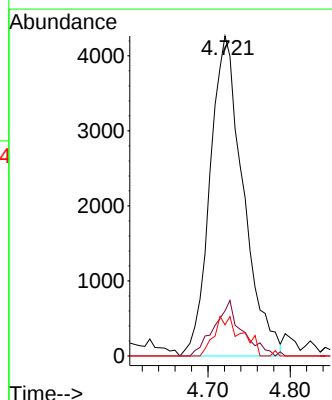
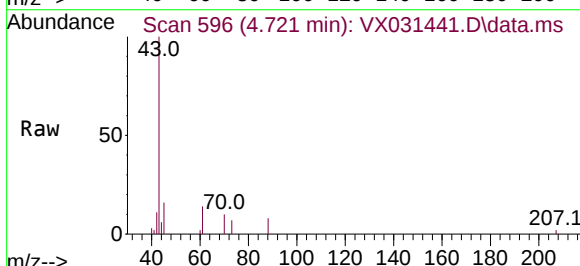
Tgt Ion: 43 Resp: 11935

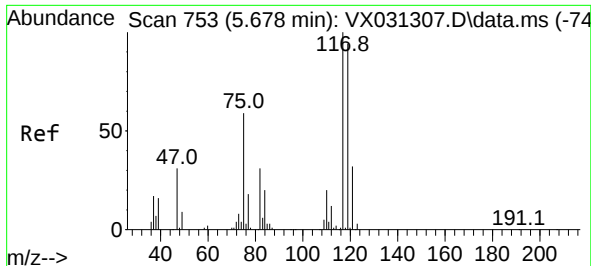
Ion Ratio Lower Upper

43 100

61 14.6 11.1 16.7

70 10.3 8.6 13.0

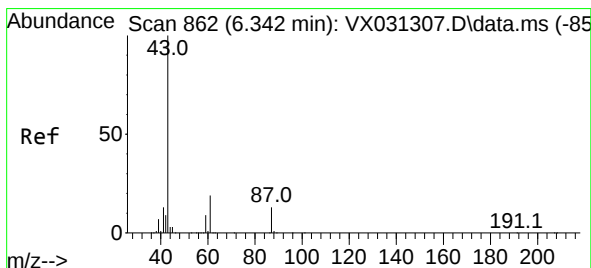
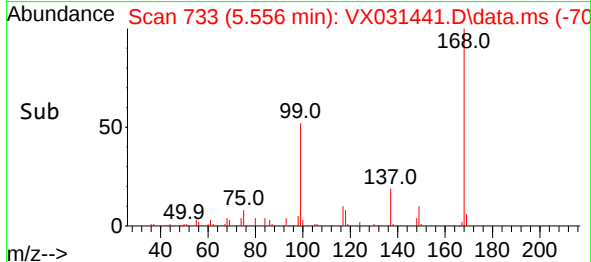
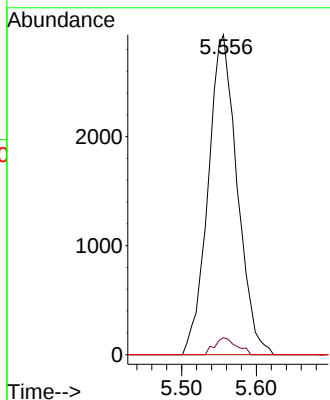
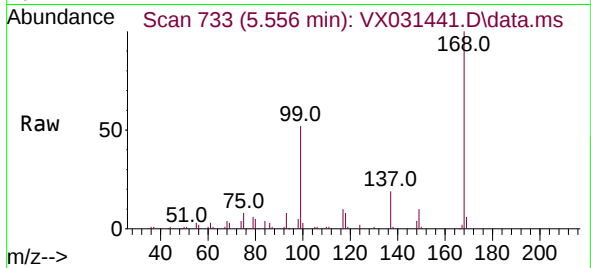




#38
Carbon Tetrachloride
Concen: 3.676 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

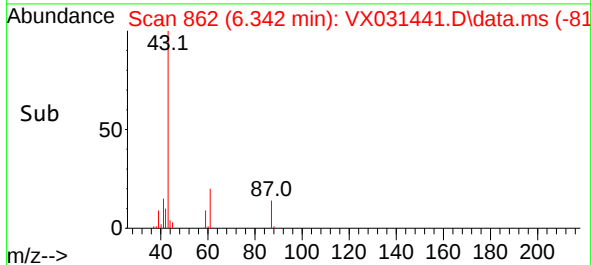
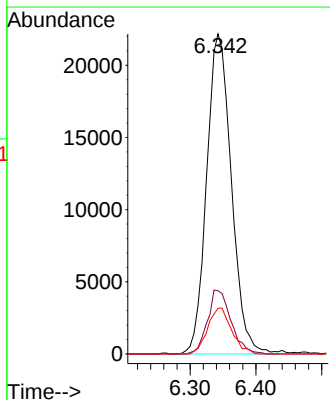
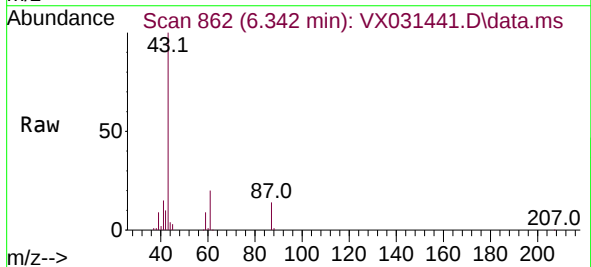
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#10

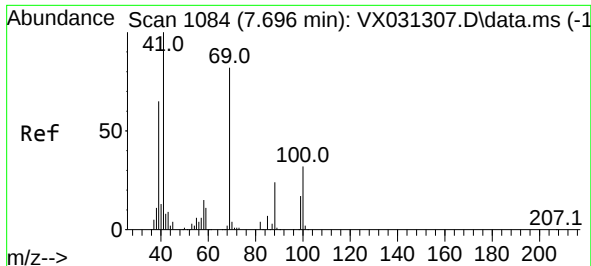
Tgt Ion:117 Resp: 7952
Ion Ratio Lower Upper
117 100
119 5.3 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 13.009 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

Tgt Ion: 43 Resp: 58079
Ion Ratio Lower Upper
43 100
61 18.9 15.3 22.9
87 13.8 10.6 15.8

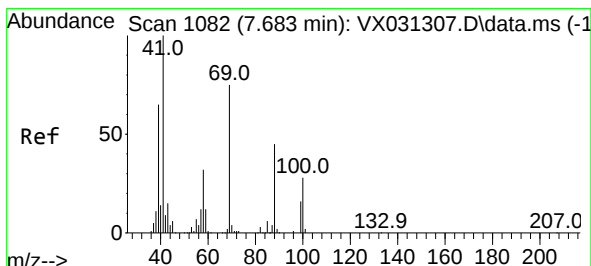
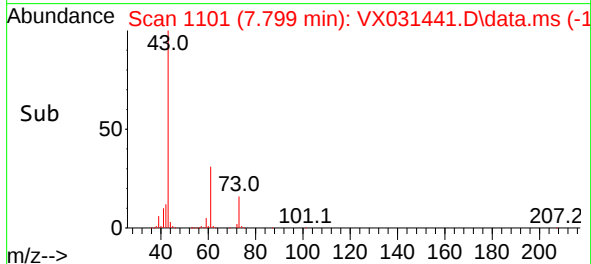
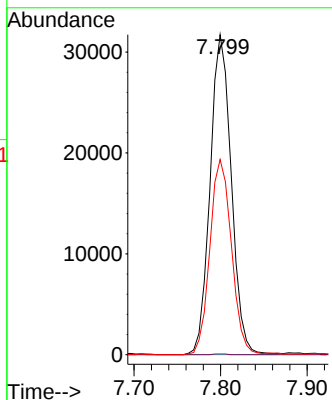
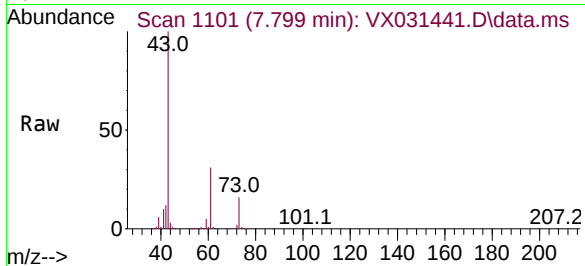




#48
Methyl methacrylate
Concen: 26.509 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

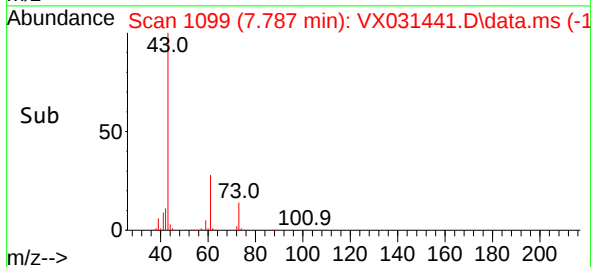
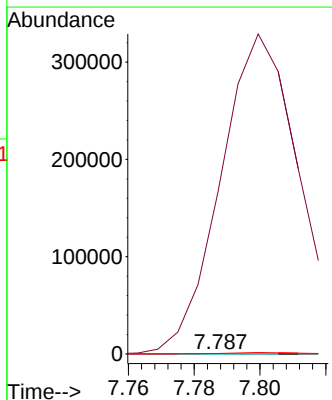
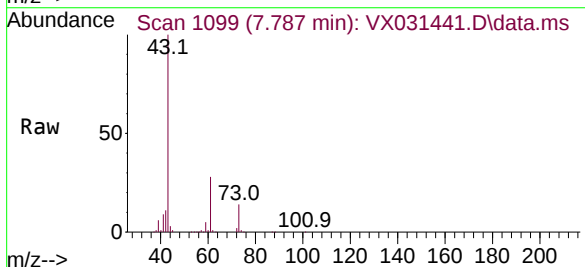
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#10

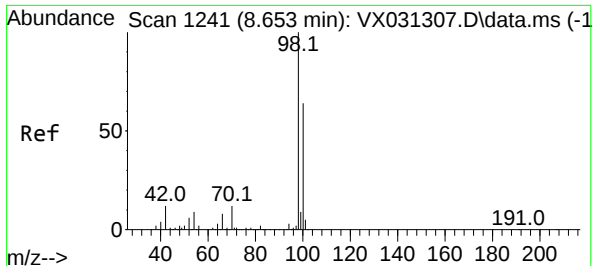
Tgt Ion: 41 Resp: 53878
Ion Ratio Lower Upper
41 100
69 0.1 64.6 96.8#
39 62.0 51.4 77.0



#49
1,4-Dioxane
Concen: 1.423 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.104 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 954774.1 27.1 40.7#
58 3962.1 53.9 80.9#

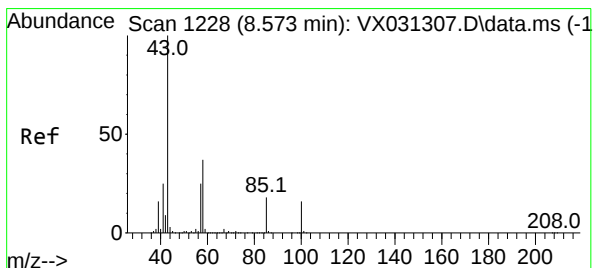
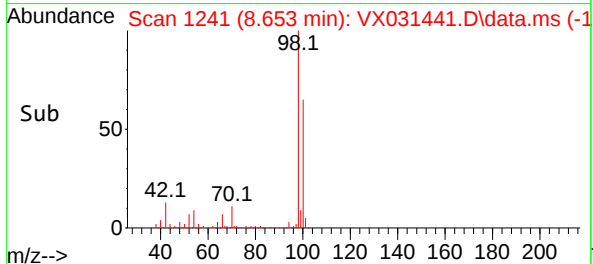
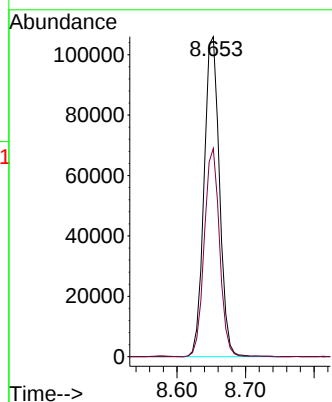
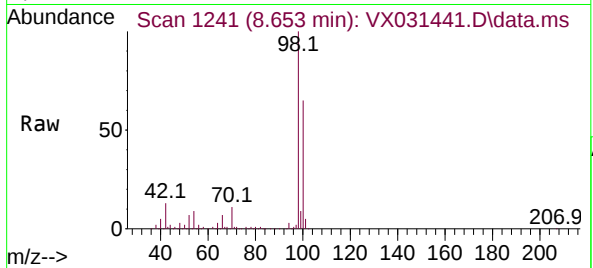




#50
Toluene-d8
Concen: 30.399 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

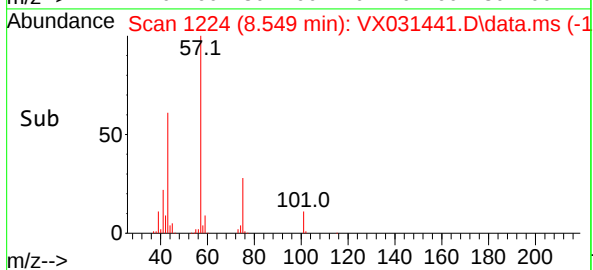
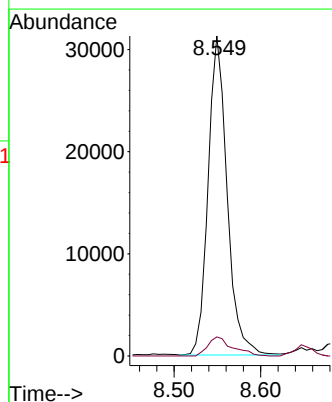
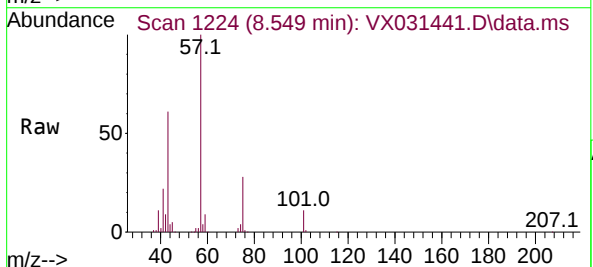
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#10

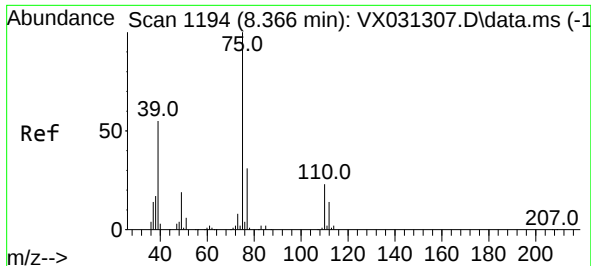
Tgt Ion: 98 Resp: 165818
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 17.567 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

Tgt Ion: 43 Resp: 47674
Ion Ratio Lower Upper
43 100
58 7.6 30.6 46.0#

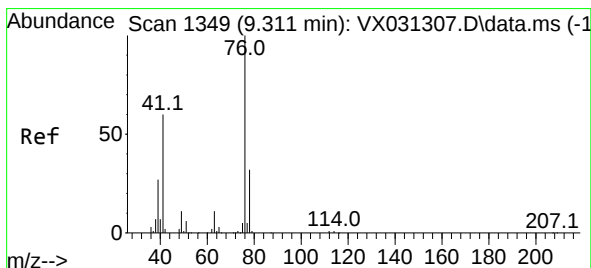
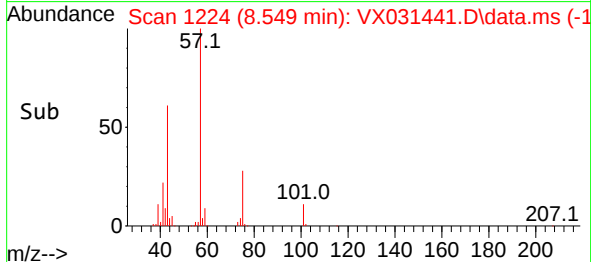
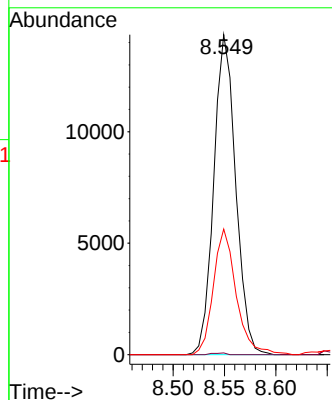
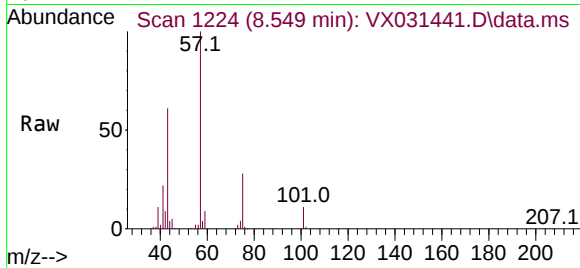




#54
 cis-1,3-Dichloropropene
 Concen: 7.970 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031441.D
 Acq: 17 Sep 2022 03:42

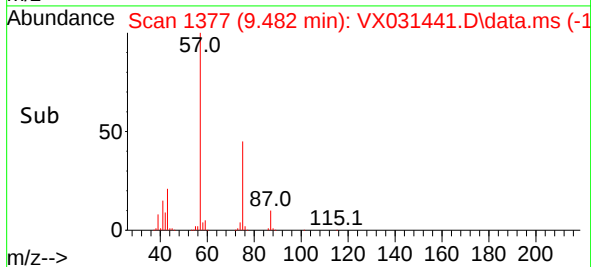
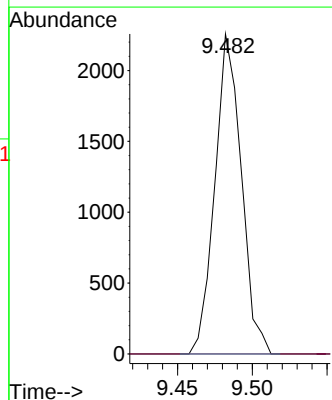
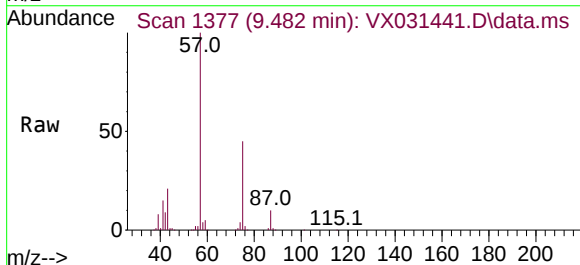
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#10

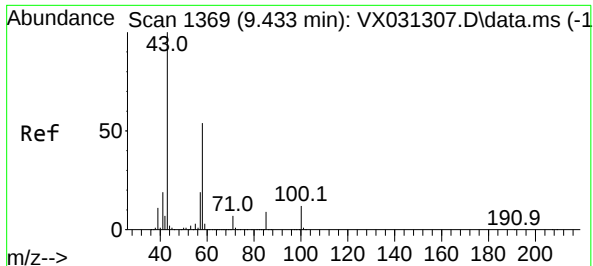
Tgt Ion: 75 Resp: 21273
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.4 36.6#
 39 39.3 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 1.013 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031441.D
 Acq: 17 Sep 2022 03:42

Tgt Ion: 76 Resp: 2778
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 18.348 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX031441.D

Acq: 17 Sep 2022 03:42

Instrument :

MSVOA_X

ClientSampleId :

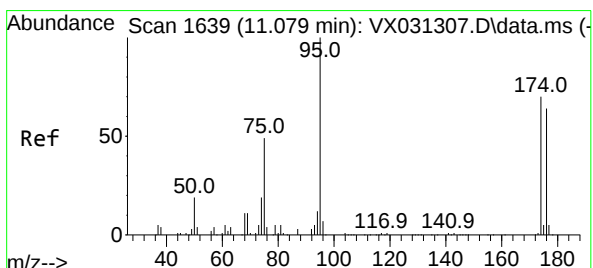
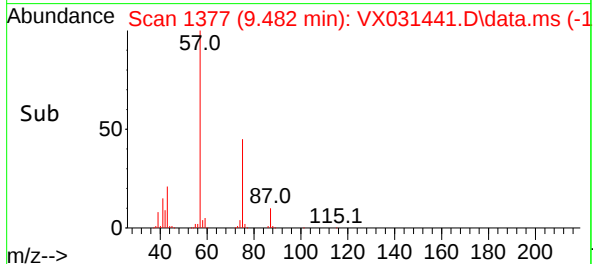
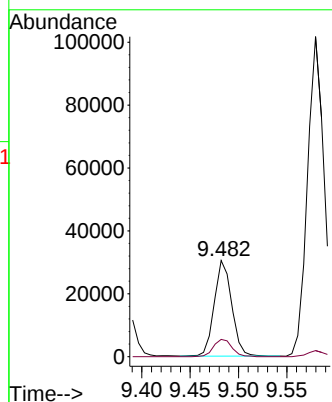
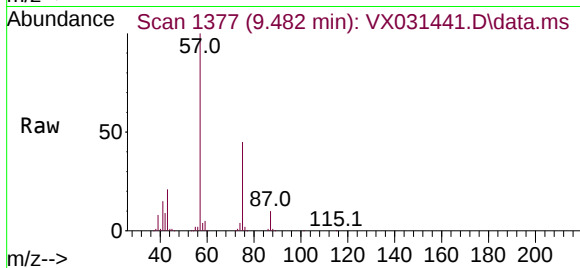
PB147603ZHE#10

Tgt Ion: 43 Resp: 38004

Ion Ratio Lower Upper

43 100

58 19.3 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 26.299 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031441.D

Acq: 17 Sep 2022 03:42

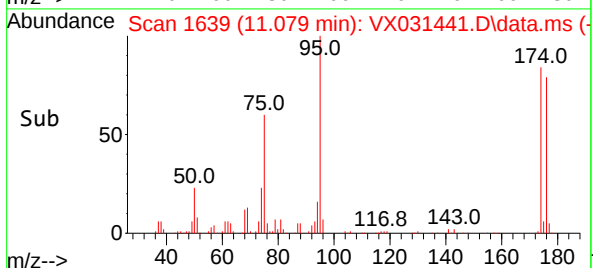
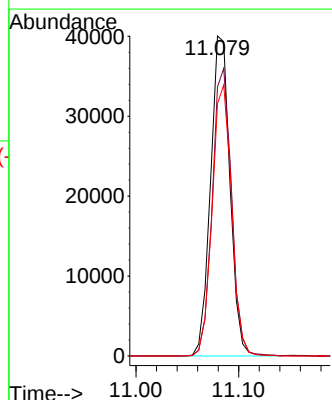
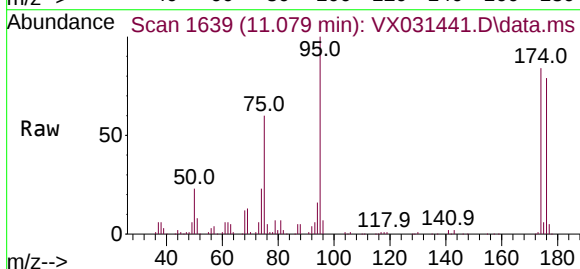
Tgt Ion: 95 Resp: 52532

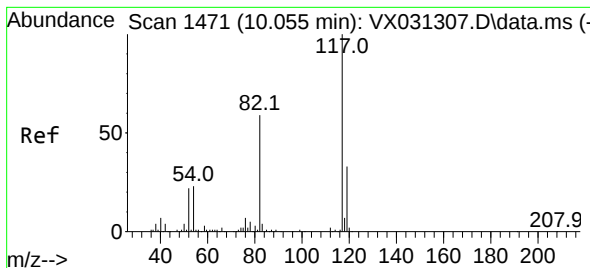
Ion Ratio Lower Upper

95 100

174 89.1 0.0 153.2

176 84.7 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: VX031441.D

Acq: 17 Sep 2022 03:42

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#10

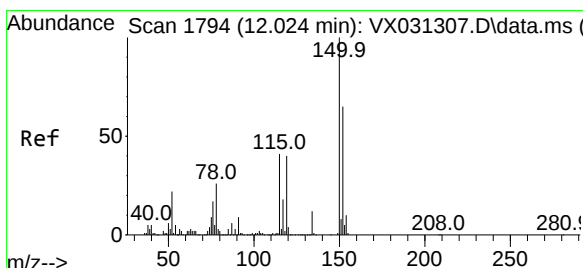
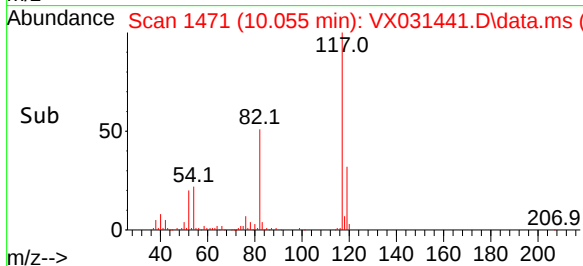
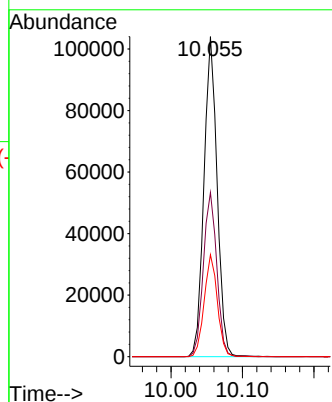
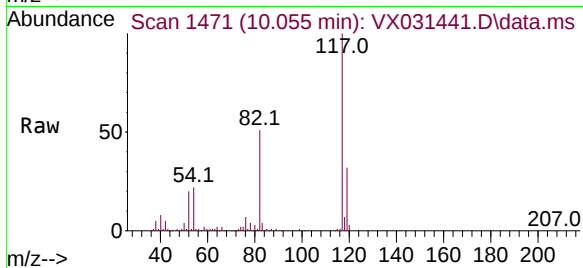
Tgt Ion:117 Resp: 133104

Ion Ratio Lower Upper

117 100

82 51.3 46.8 70.2

119 31.9 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: VX031441.D

Acq: 17 Sep 2022 03:42

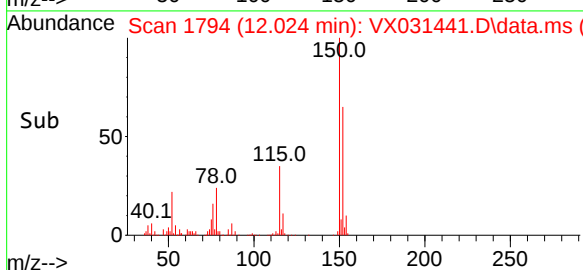
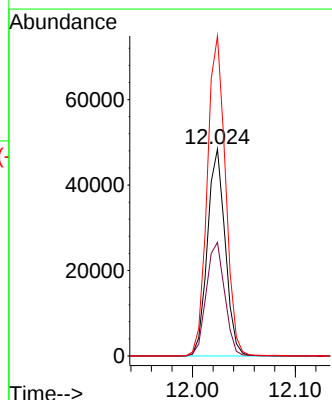
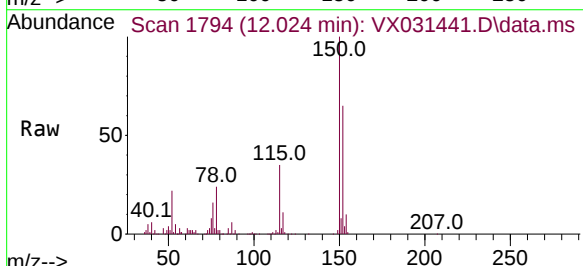
Tgt Ion:152 Resp: 58125

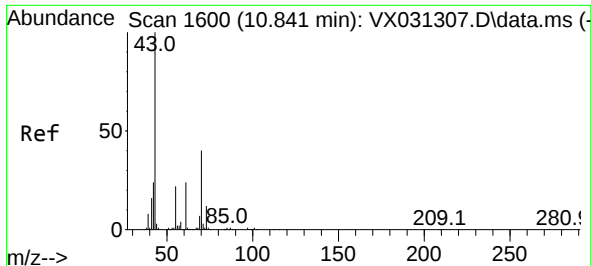
Ion Ratio Lower Upper

152 100

115 57.1 43.4 130.1

150 158.7 0.0 346.8

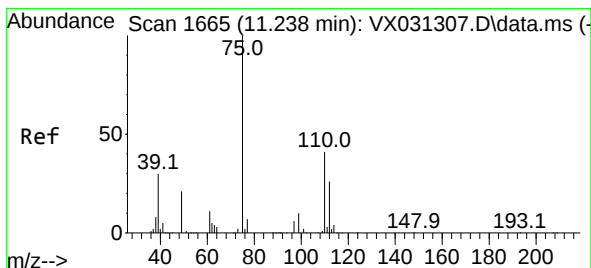
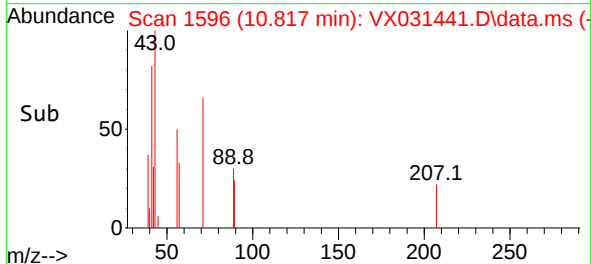
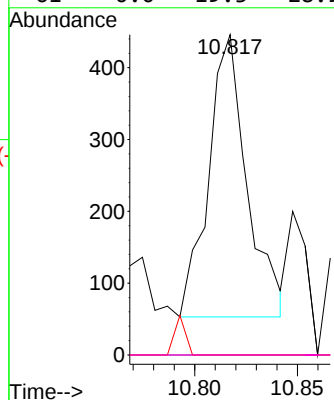
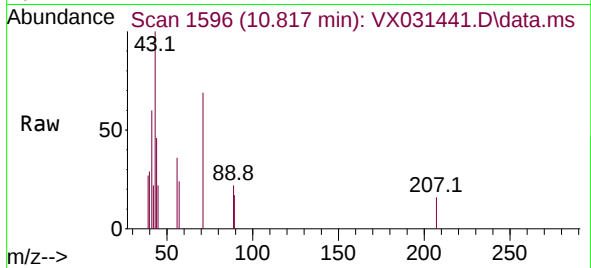




#74
N-amy1 acetate
Concen: 0.239 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

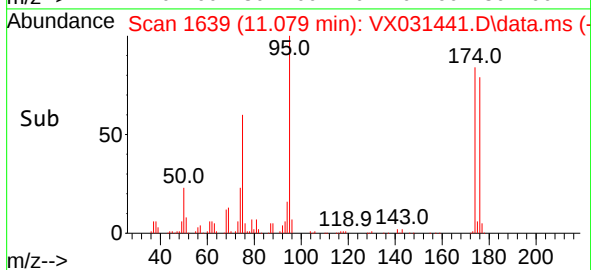
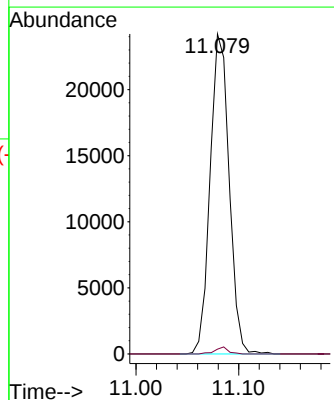
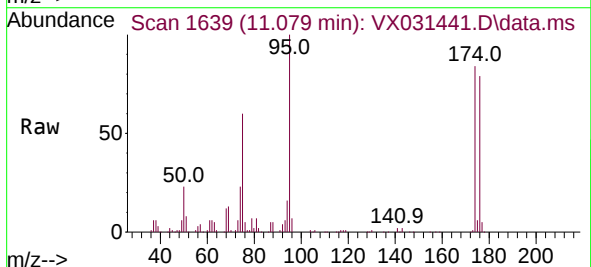
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#10

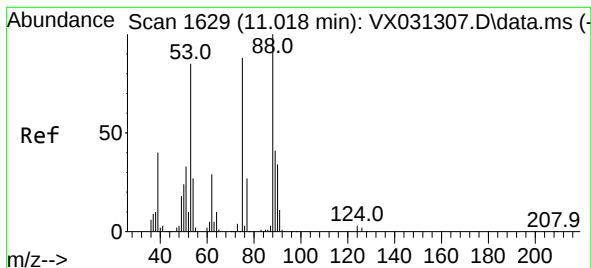
Tgt Ion: 43	Resp: 510
Ion Ratio	Lower Upper
43	100
70	0.0 33.4 50.2#
55	0.0 18.2 27.2#
61	0.0 19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 21.227 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031441.D
Acq: 17 Sep 2022 03:42

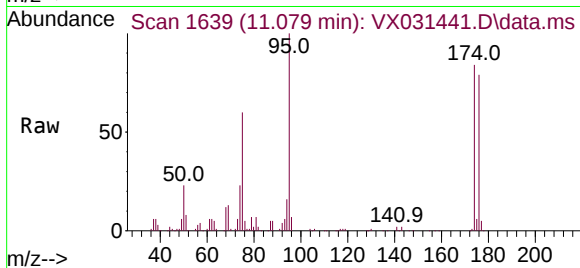
Tgt Ion: 75	Resp: 31093
Ion Ratio	Lower Upper
75	100
77	1.5 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.737 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031441.D
 Acq: 17 Sep 2022 03:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#10



Tgt Ion: 75 Resp: 31093
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

