

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031435.D
 Acq On : 17 Sep 2022 01:22
 Operator : JC/MD
 Sample : PB147603ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#04

Quant Time: Sep 17 04:29:14 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)

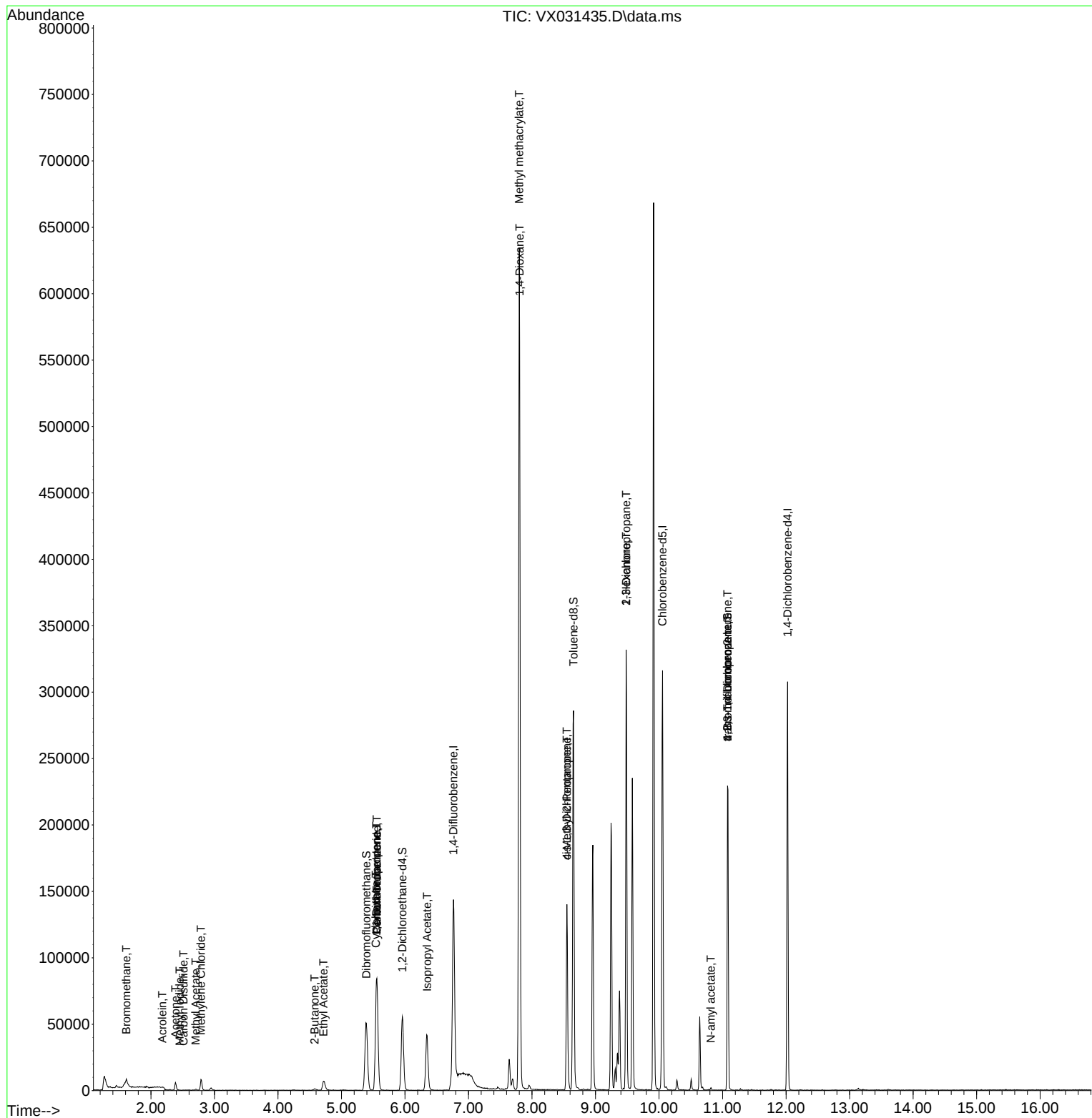
Internal Standards						
1) Pentafluorobenzene	5.556	168	81134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136943	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49406	24.809	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	49.620%#
35) Dibromofluoromethane	5.391	113	42305	28.739	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	57.480%#
50) Toluene-d8	8.653	98	165741	30.016	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	60.040%#
62) 4-Bromofluorobenzene	11.079	95	53360	26.389	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	52.780%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	313	Below Cal	#	41
5) Bromomethane	1.611	94	546	0.514	ug/l	88
10) Methyl Iodide	2.453	142	50	0.946	ug/l	# 38
11) Tert butyl alcohol	2.946	59	1225	Below Cal	#	73
13) Acrolein	2.178	56	55	0.239	ug/l	# 24
16) Acetone	2.386	43	6255	7.357	ug/l	# 89
17) Carbon Disulfide	2.514	76	143	0.931	ug/l	# 75
18) Methyl Acetate	2.703	43	1317	0.522	ug/l	# 86
20) Methylene Chloride	2.788	84	3542	0.282	ug/l	83
25) 2-Butanone	4.574	43	1476	1.053	ug/l	# 87
31) Cyclohexane	5.544	56	2205	1.031	ug/l	# 51
36) 1,1-Dichloropropene	5.550	75	6665	3.308	ug/l	# 50
37) Ethyl Acetate	4.714	43	12815	4.840	ug/l	98
38) Carbon Tetrachloride	5.556	117	8129	3.712	ug/l	# 16
43) Isopropyl Acetate	6.348	43	57113	12.637	ug/l	99
48) Methyl methacrylate	7.799	41	55225	26.842	ug/l	# 46
49) 1,4-Dioxane	7.805	88	67	1.624	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	46253	16.837	ug/l	# 49
54) cis-1,3-Dichloropropene	8.549	75	21215	7.852	ug/l	# 66
57) 1,3-Dichloropropane	9.482	76	2725	0.982	ug/l	# 43
59) 2-Hexanone	9.482	43	36847	17.574	ug/l	# 53
74) N-amyl acetate	10.817	43	530	0.242	ug/l	# 49
76) 1,2,3-Trichloropropane	11.079	75	31695	21.111	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	31695	58.415	ug/l	# 11

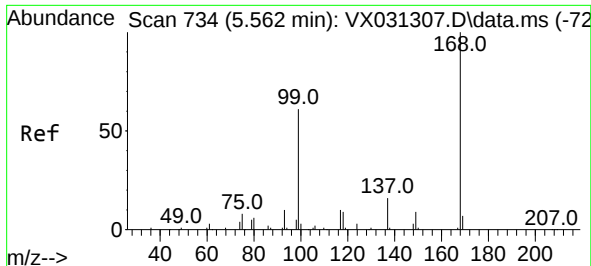
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 04:29:14 2022
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Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 2022
Response via : Initial Calibration

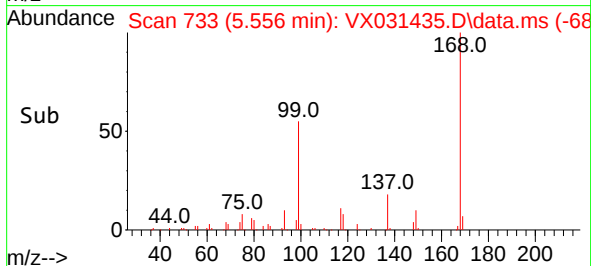
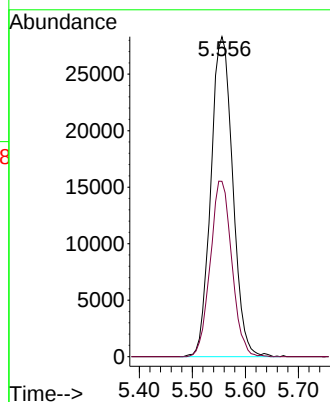
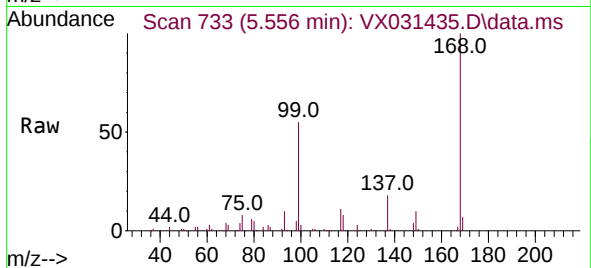




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

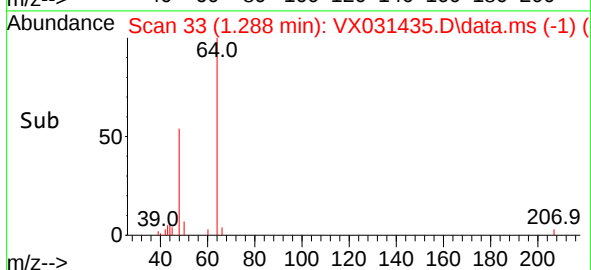
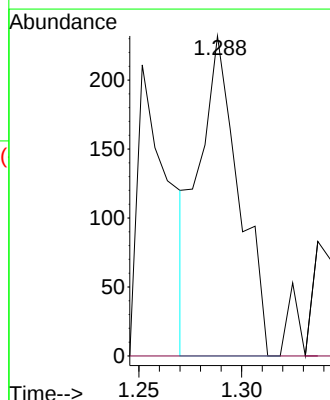
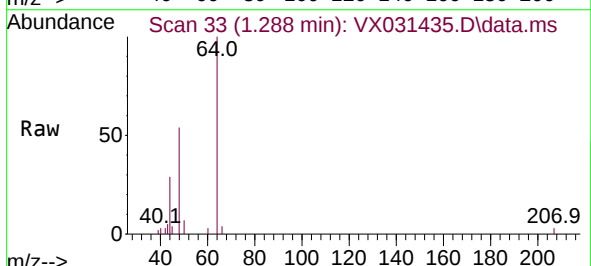
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#04

Tgt Ion:168 Resp: 81134
Ion Ratio Lower Upper
168 100
99 54.8 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Tgt Ion: 50 Resp: 313
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

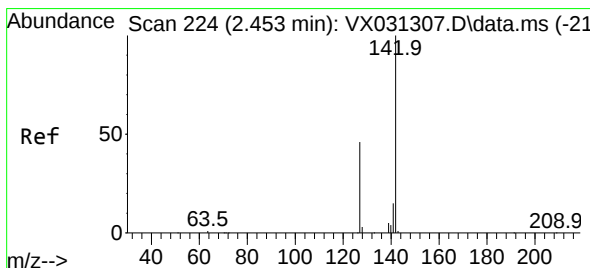
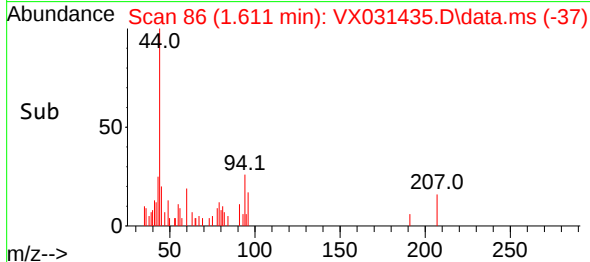
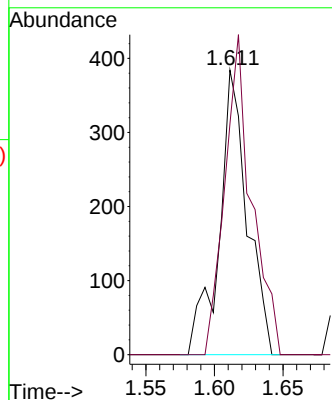
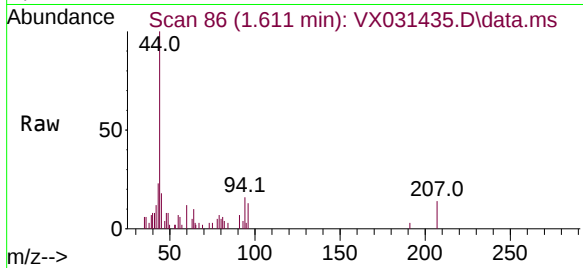




#5
Bromomethane
Concen: 0.514 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

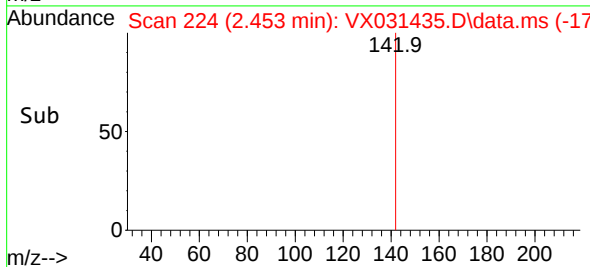
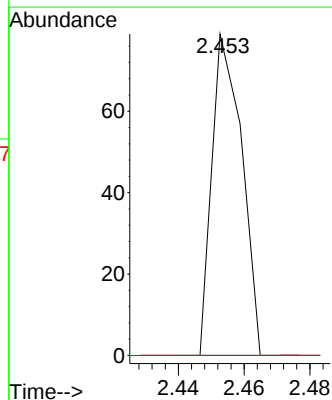
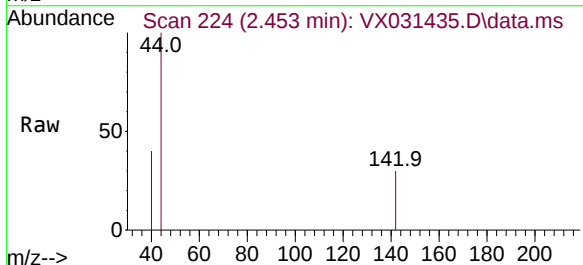
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#04

Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 81.3 74.4 111.6



#10
Methyl Iodide
Concen: 0.946 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Tgt Ion: 142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#

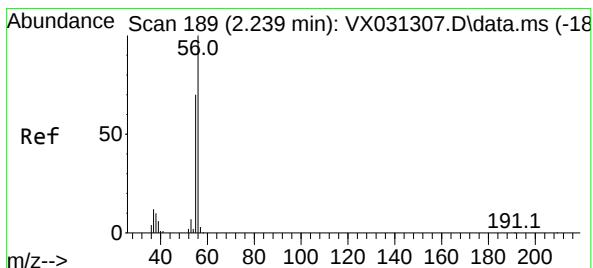
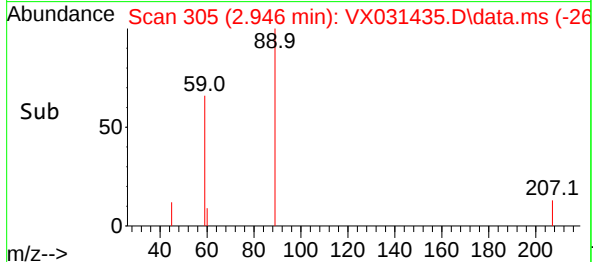
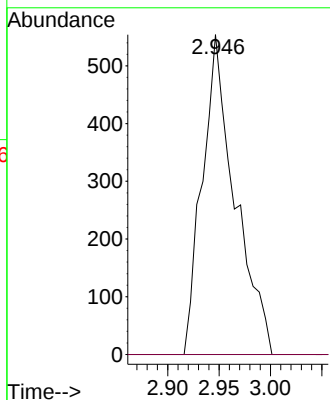
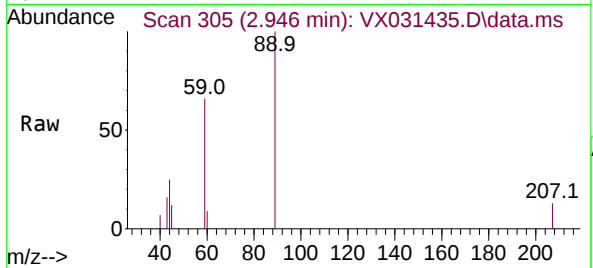




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

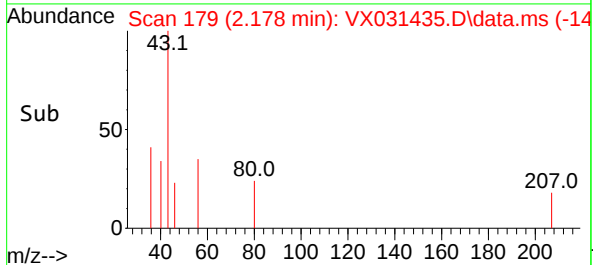
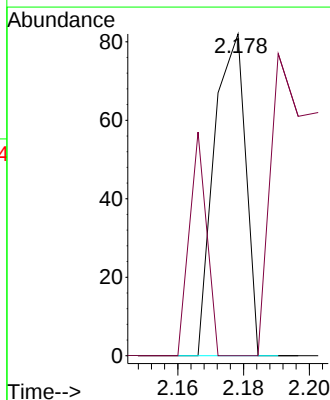
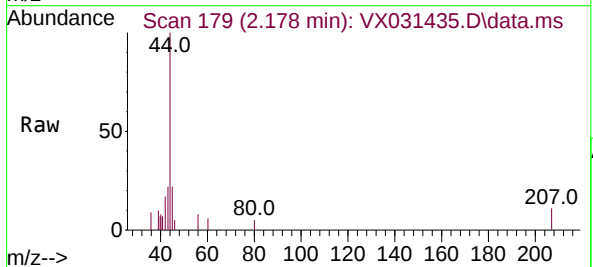
Instrument :
MSVOA_X
ClientSampleId :
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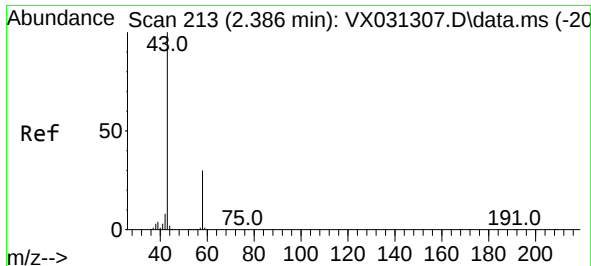
Tgt Ion: 59 Resp: 1225
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.239 ug/l
RT: 2.178 min Scan# 179
Delta R.T. -0.061 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 132.7 56.0 84.0#

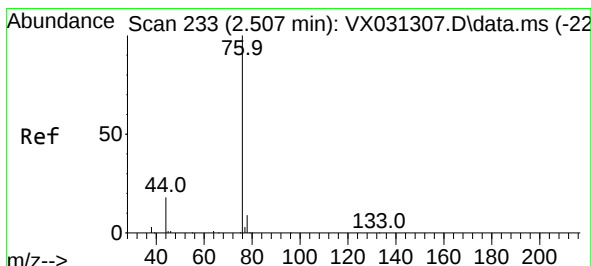
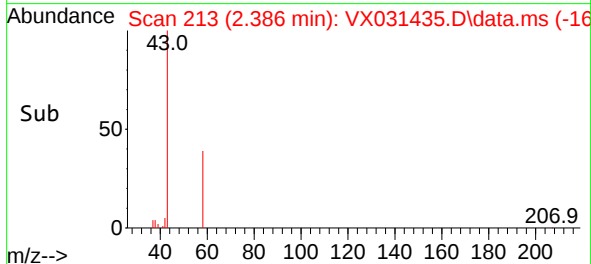
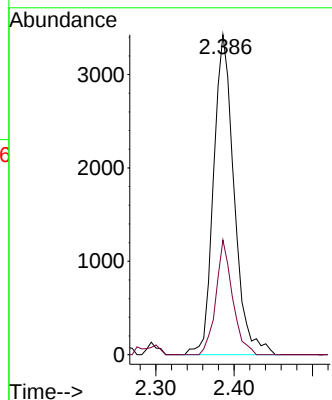
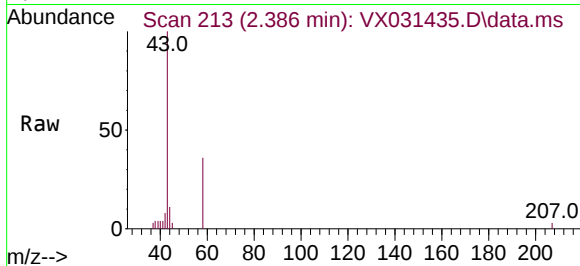




#16
Acetone
Concen: 7.357 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

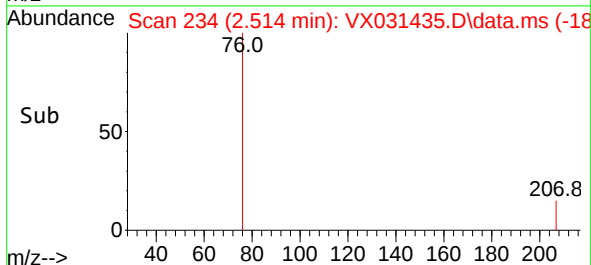
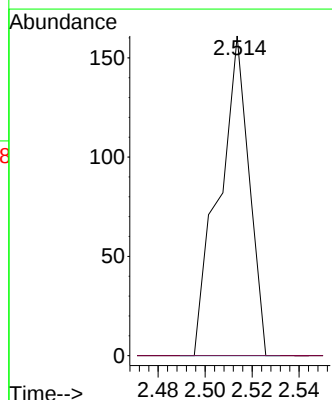
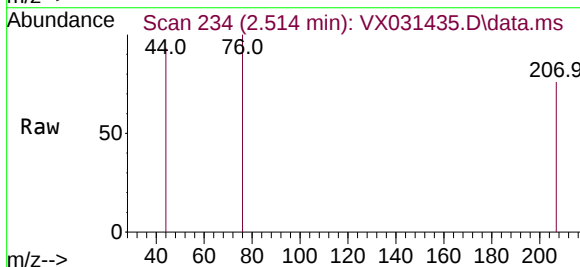
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#04

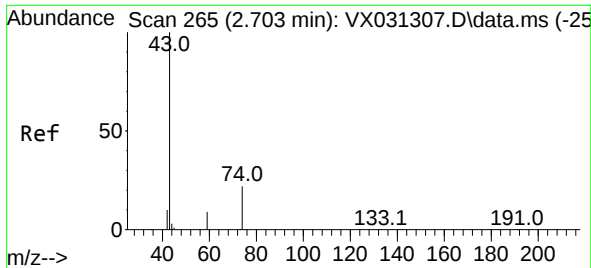
Tgt Ion: 43 Resp: 6255
Ion Ratio Lower Upper
43 100
58 35.9 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.931 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Tgt Ion: 76 Resp: 143
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

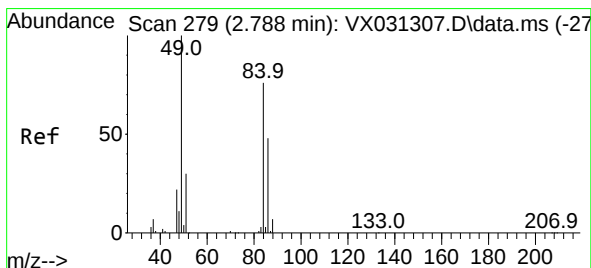
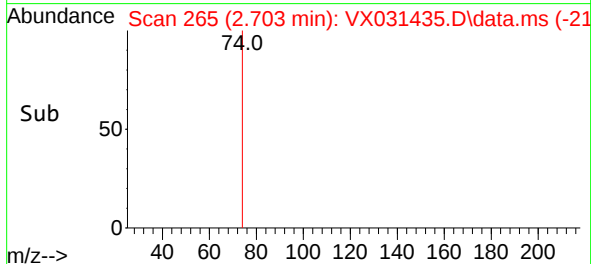
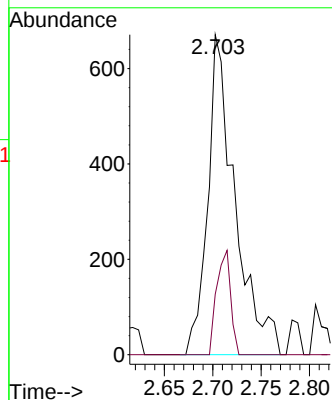
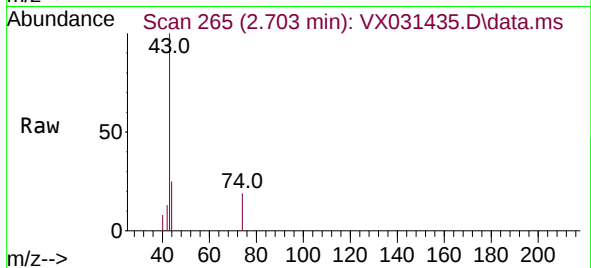




#18
Methyl Acetate
Concen: 0.522 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

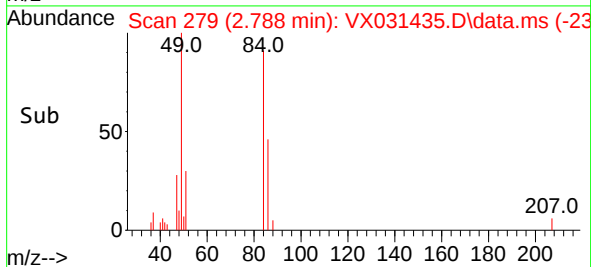
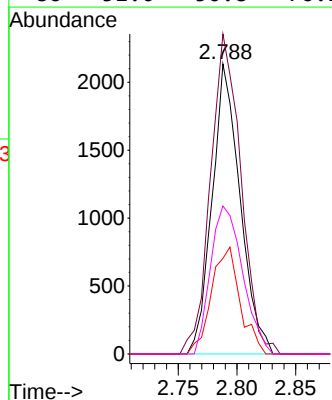
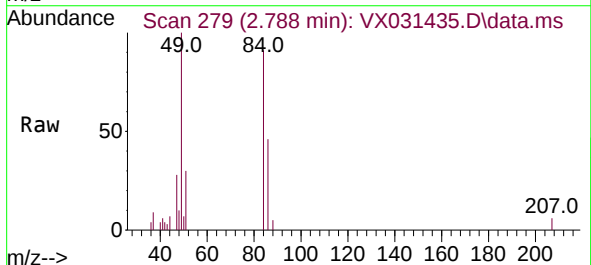
Instrument :
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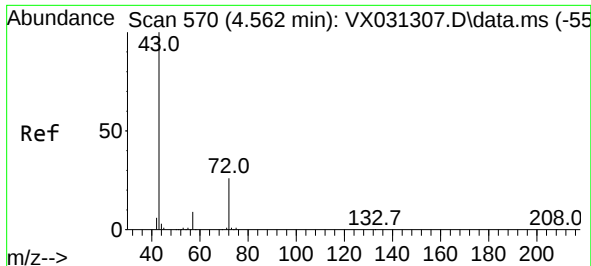
Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
74 16.6 18.6 27.8#



#20
Methylene Chloride
Concen: 0.282 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Tgt Ion: 84 Resp: 3542
Ion Ratio Lower Upper
84 100
49 110.3 105.9 158.9
51 32.9 32.2 48.2
86 51.0 50.8 76.2





#25

2-Butanone

Concen: 1.053 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX031435.D

Acq: 17 Sep 2022 01:22

Instrument :

MSVOA_X

ClientSampleId :

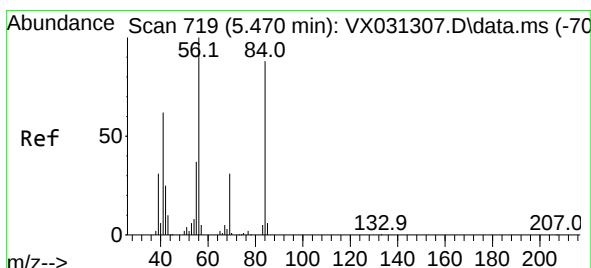
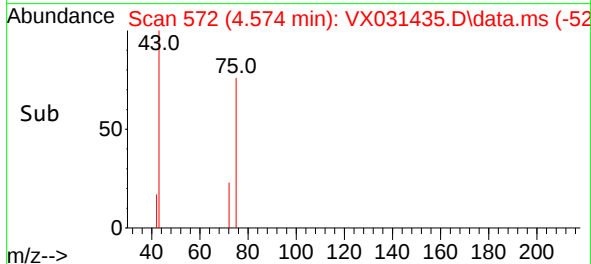
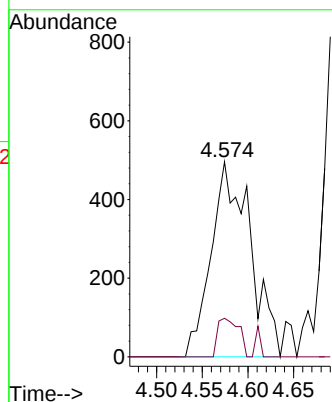
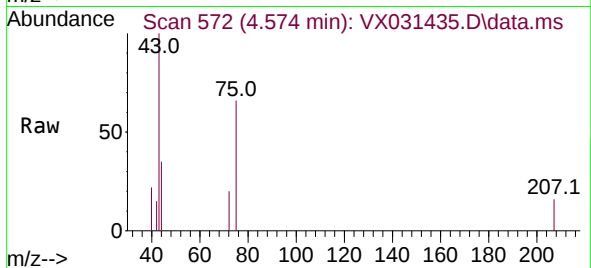
PB147603ZHE#04

Tgt Ion: 43 Resp: 1476

Ion Ratio Lower Upper

43 100

72 19.8 21.1 31.7#



#31

Cyclohexane

Concen: 1.031 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX031435.D

Acq: 17 Sep 2022 01:22

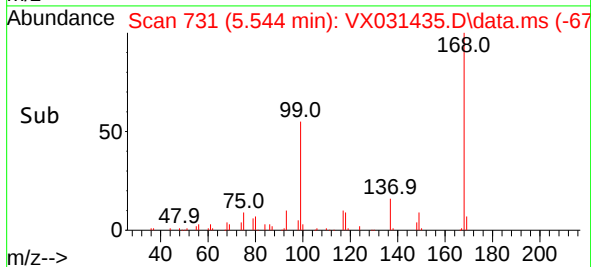
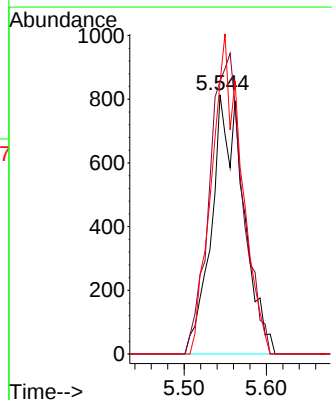
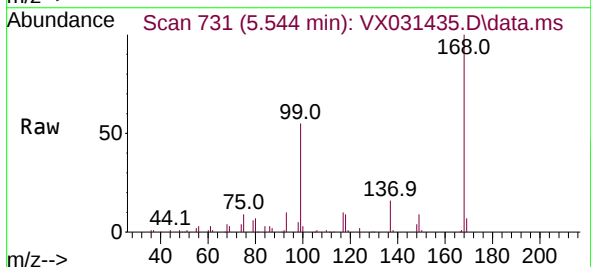
Tgt Ion: 56 Resp: 2205

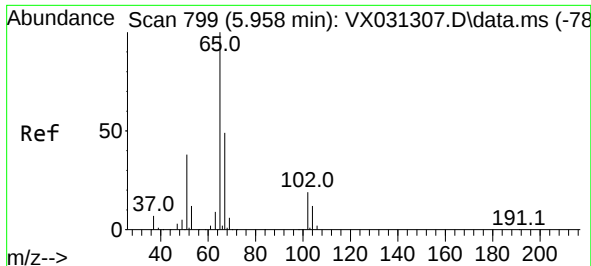
Ion Ratio Lower Upper

56 100

69 105.3 25.1 37.7#

84 104.8 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 24.809 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031435.D

Acq: 17 Sep 2022 01:22

Instrument :

MSVOA_X

ClientSampleId :

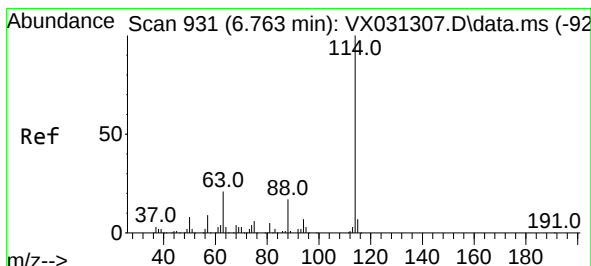
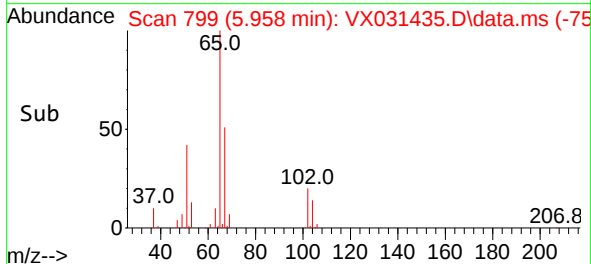
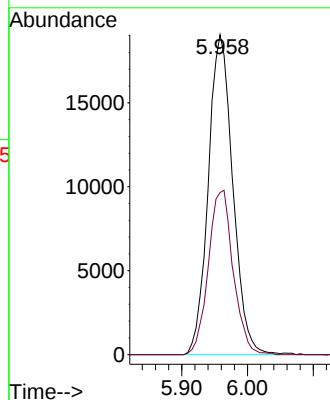
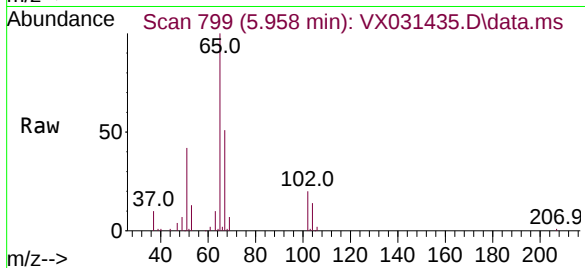
PB147603ZHE#04

Tgt Ion: 65 Resp: 49406

Ion Ratio Lower Upper

65 100

67 52.1 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: VX031435.D

Acq: 17 Sep 2022 01:22

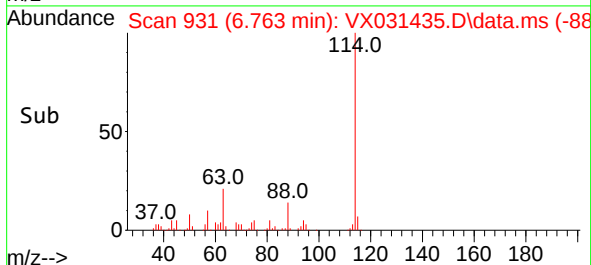
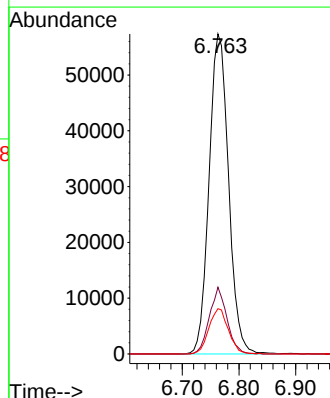
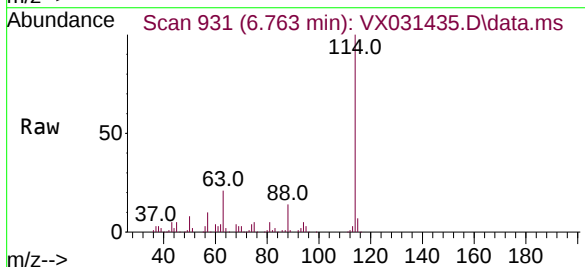
Tgt Ion: 114 Resp: 136943

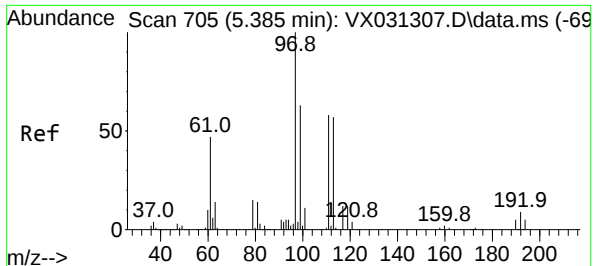
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 14.1 0.0 33.0

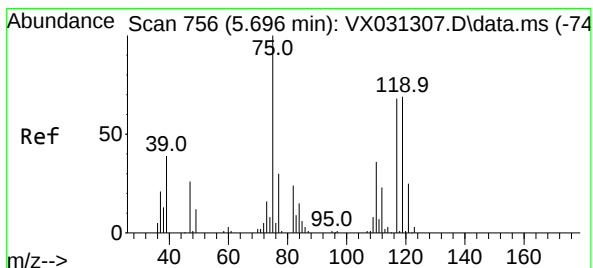
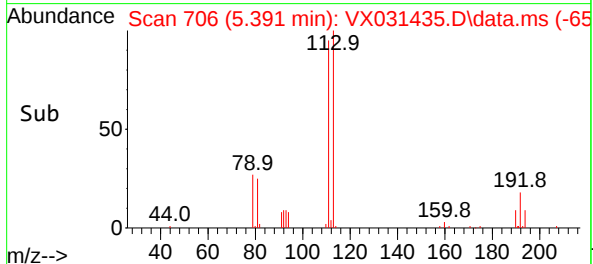
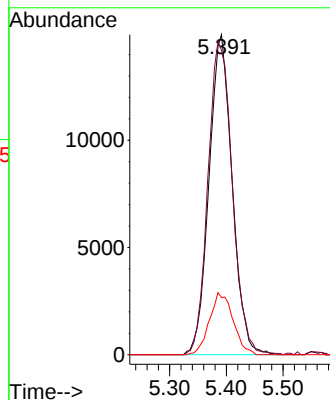
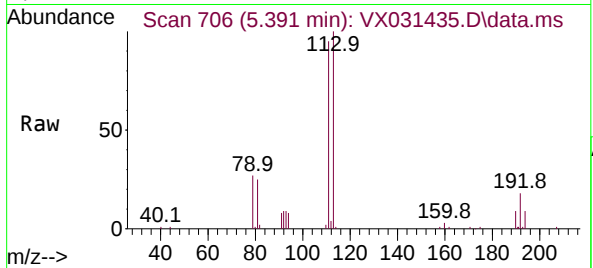




#35
Dibromofluoromethane
Concen: 28.739 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

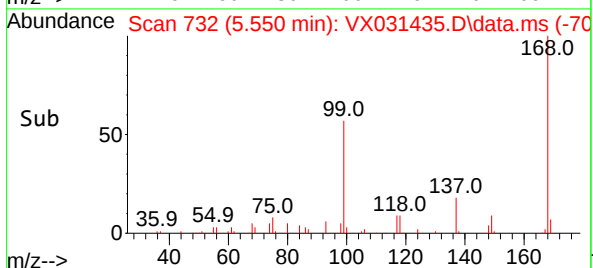
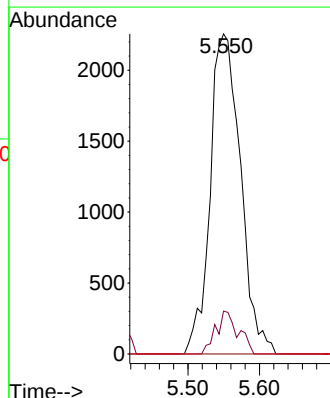
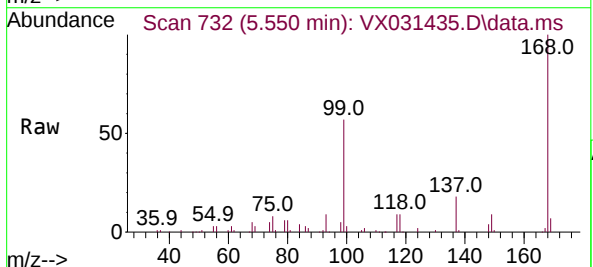
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#04

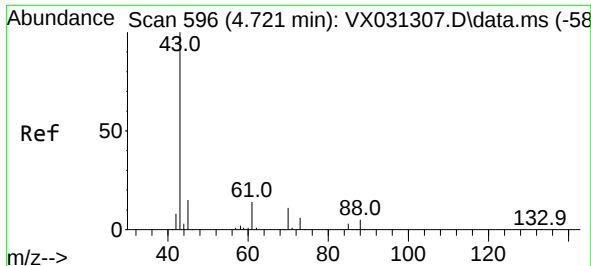
Tgt Ion:113 Resp: 42305
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 19.8 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.308 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Tgt Ion: 75 Resp: 6665
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.840 ug/l

RT: 4.714 min Scan# 596

Delta R.T. -0.006 min

Lab File: VX031435.D

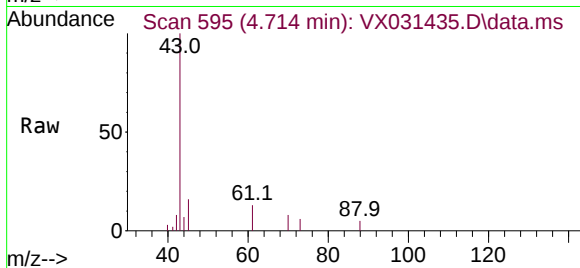
Acq: 17 Sep 2022 01:22

Instrument :

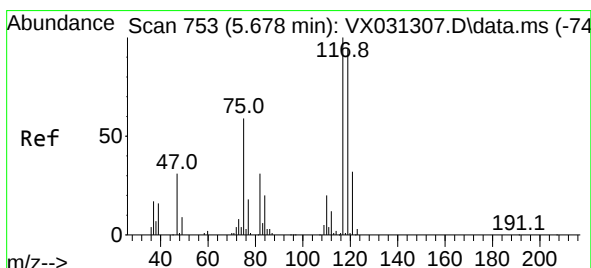
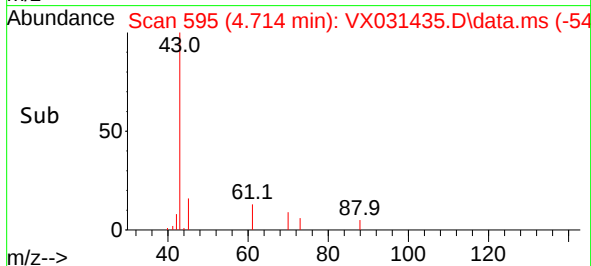
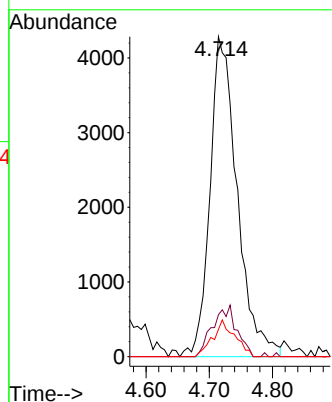
MSVOA_X

ClientSampleId :

PB147603ZHE#04



Tgt Ion:	43	Resp:	12815
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.1	16.7
70	9.3	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.712 ug/l

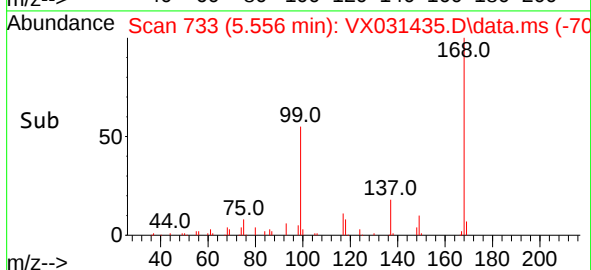
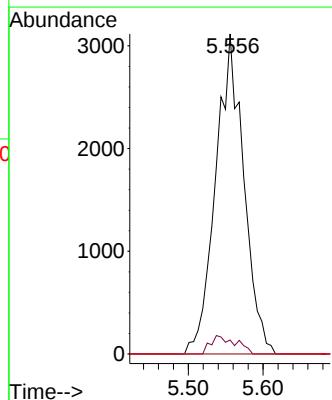
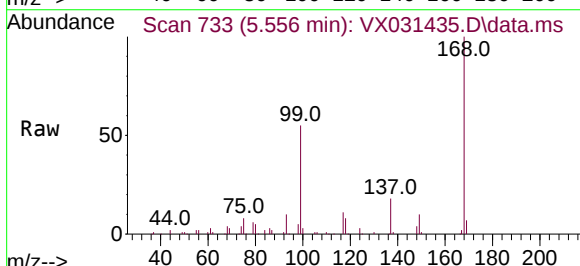
RT: 5.556 min Scan# 733

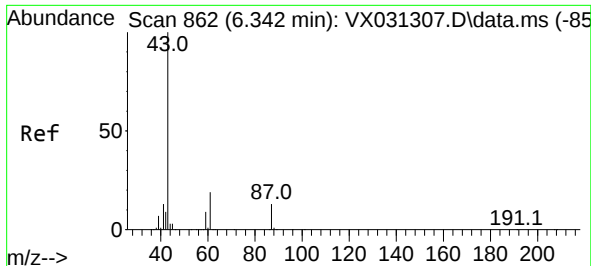
Delta R.T. -0.122 min

Lab File: VX031435.D

Acq: 17 Sep 2022 01:22

Tgt Ion:	117	Resp:	8129
Ion	Ratio	Lower	Upper
117	100		
119	4.4	74.6	112.0#
121	0.0	25.3	37.9#

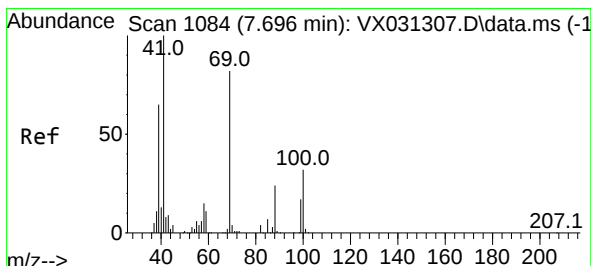
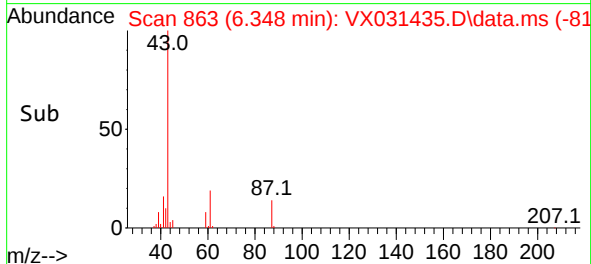
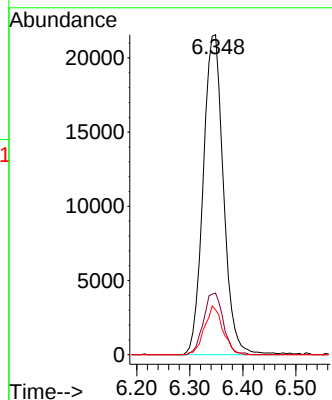
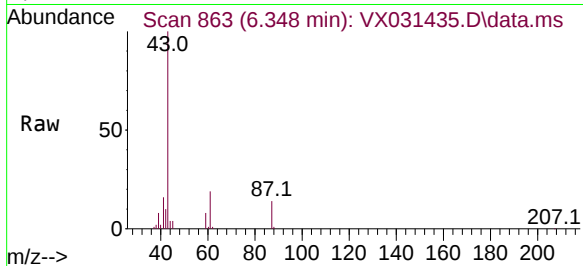




#43
Isopropyl Acetate
Concen: 12.637 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

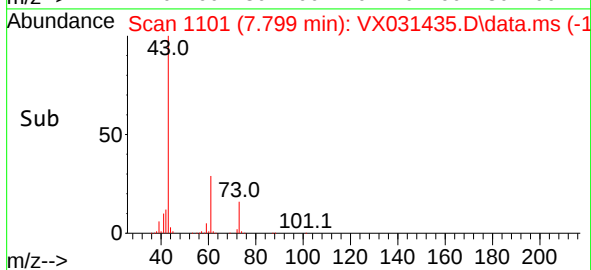
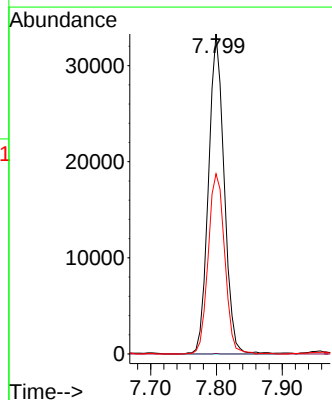
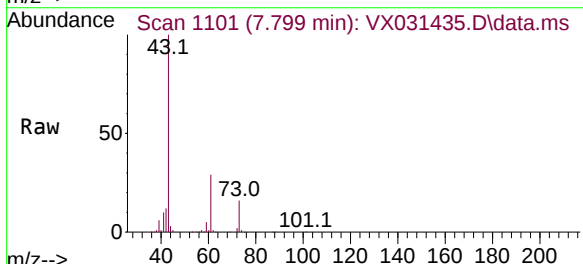
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#04

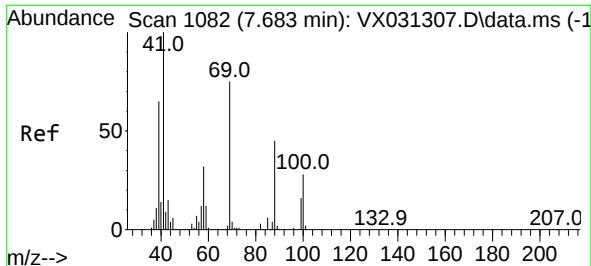
Tgt Ion: 43 Resp: 57113
Ion Ratio Lower Upper
43 100
61 18.8 15.3 22.9
87 13.8 10.6 15.8



#48
Methyl methacrylate
Concen: 26.842 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Tgt Ion: 41 Resp: 55225
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 59.2 51.4 77.0





#49

1,4-Dioxane

Concen: 1.624 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.122 min

Lab File: VX031435.D

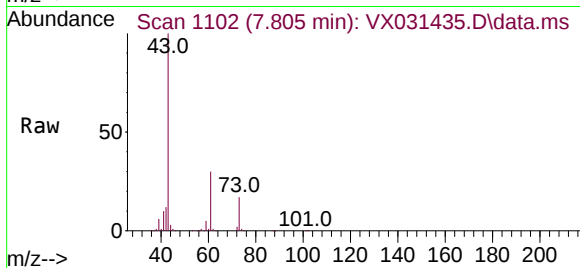
Acq: 17 Sep 2022 01:22

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#04



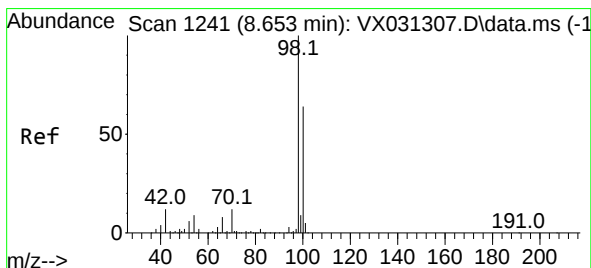
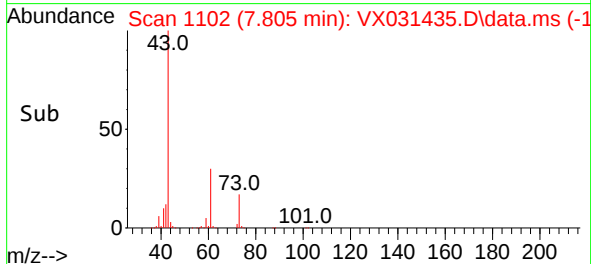
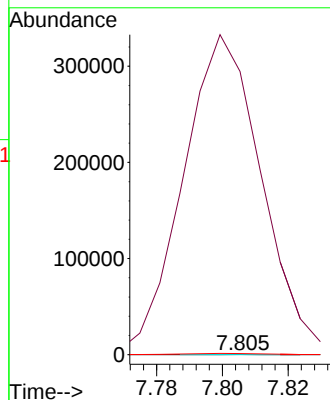
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 831120.9 27.1 40.7#

58 3619.4 53.9 80.9#



#50

Toluene-d8

Concen: 30.016 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031435.D

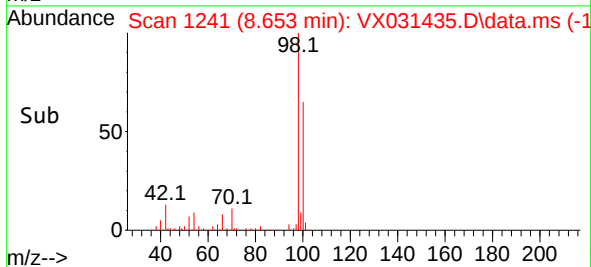
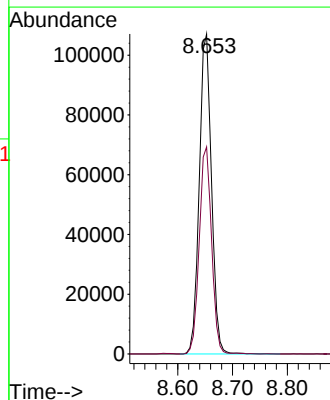
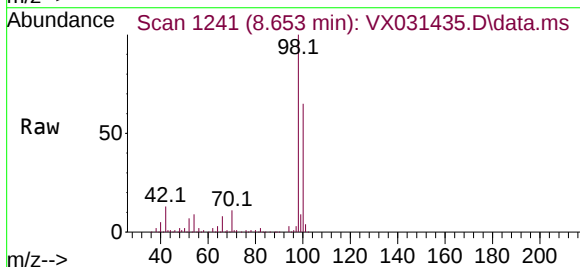
Acq: 17 Sep 2022 01:22

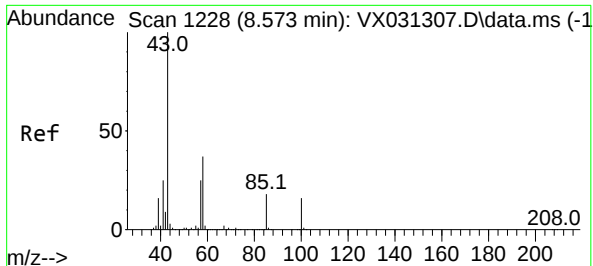
Tgt Ion: 98 Resp: 165741

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 16.837 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031435.D

Acq: 17 Sep 2022 01:22

Instrument :

MSVOA_X

ClientSampleId :

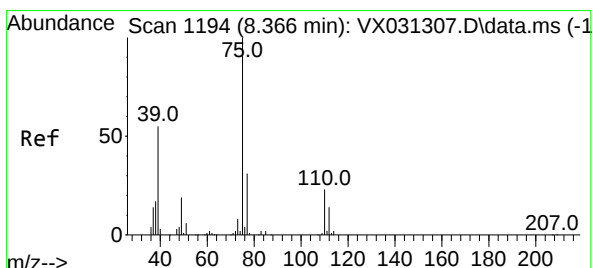
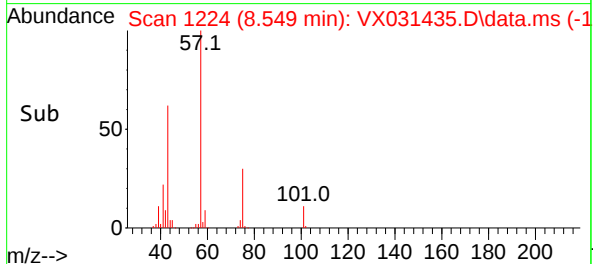
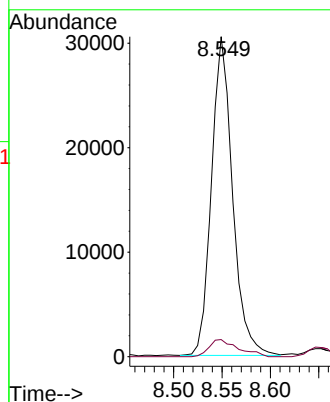
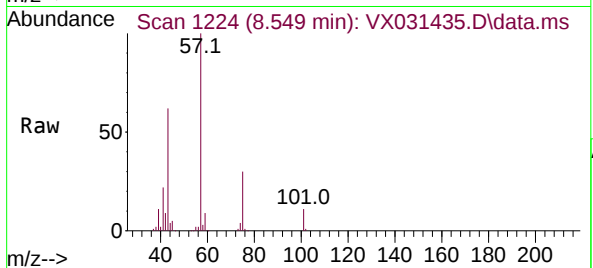
PB147603ZHE#04

Tgt Ion: 43 Resp: 46253

Ion Ratio Lower Upper

43 100

58 7.4 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.852 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031435.D

Acq: 17 Sep 2022 01:22

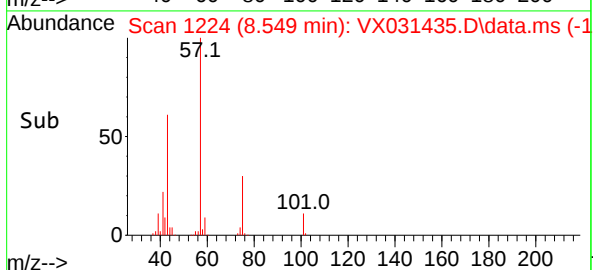
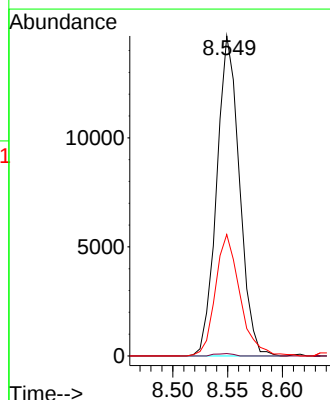
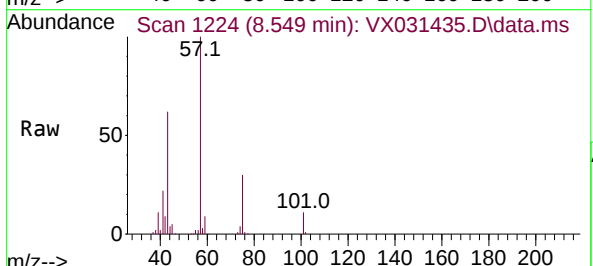
Tgt Ion: 75 Resp: 21215

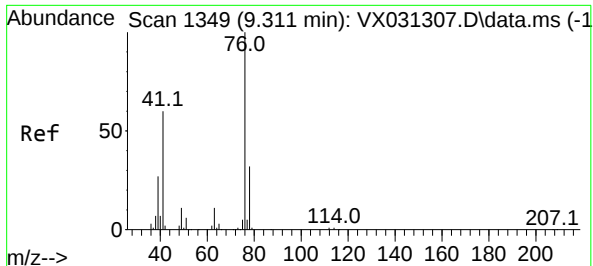
Ion Ratio Lower Upper

75 100

77 0.7 24.4 36.6#

39 38.0 43.7 65.5#





#57

1,3-Dichloropropane

Concen: 0.982 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031435.D

Acq: 17 Sep 2022 01:22

Instrument :

MSVOA_X

ClientSampleId :

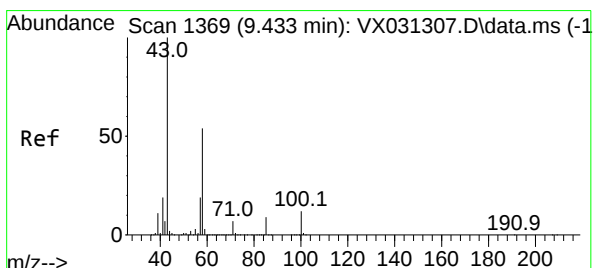
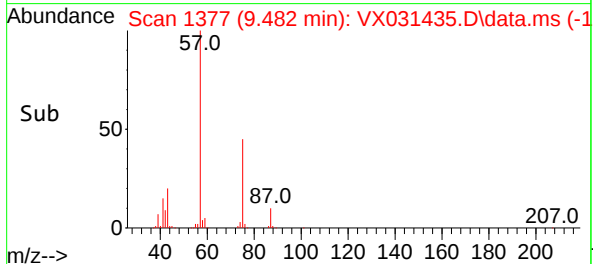
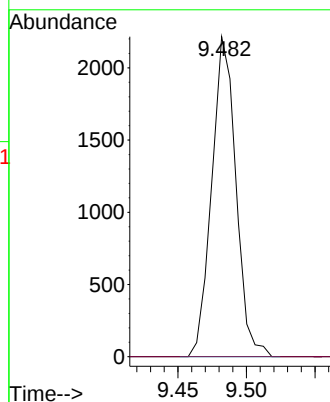
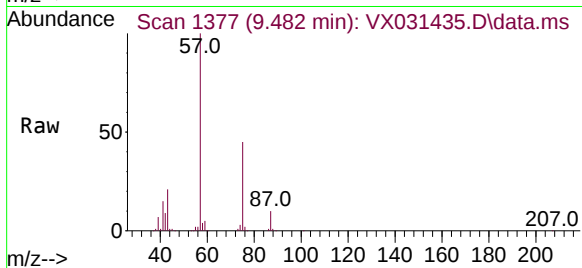
PB147603ZHE#04

Tgt Ion: 76 Resp: 2725

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 17.574 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031435.D

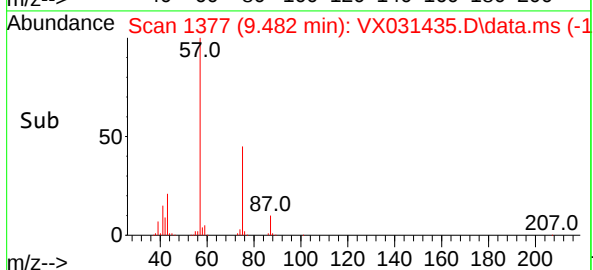
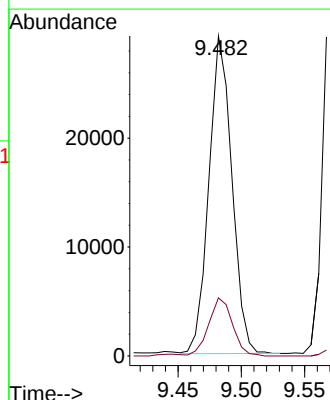
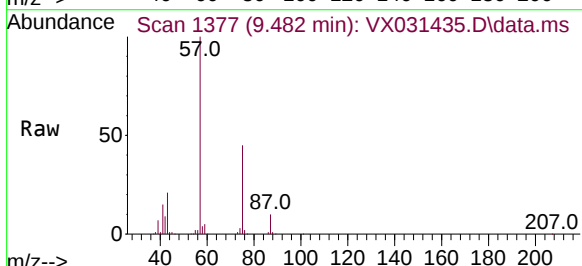
Acq: 17 Sep 2022 01:22

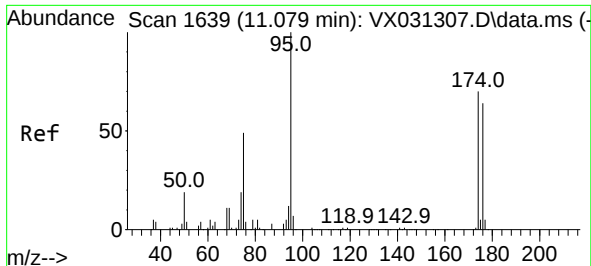
Tgt Ion: 43 Resp: 36847

Ion Ratio Lower Upper

43 100

58 19.5 26.7 80.0#

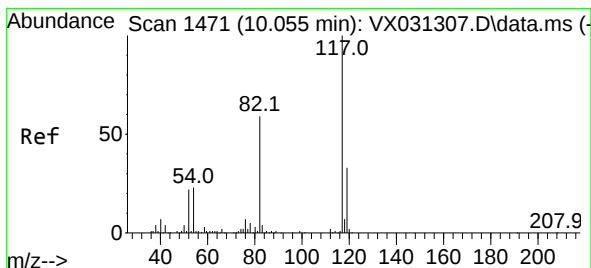
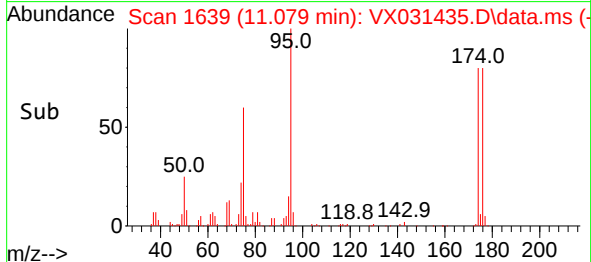
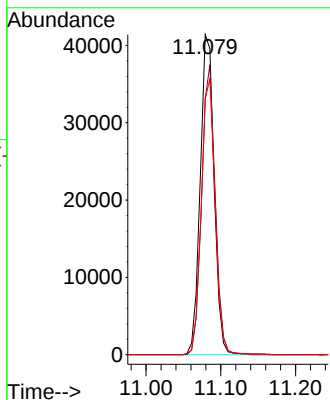
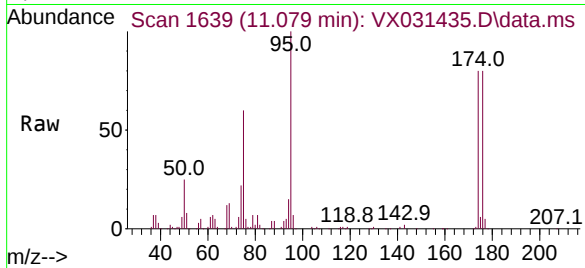




#62
4-Bromofluorobenzene
Concen: 26.389 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

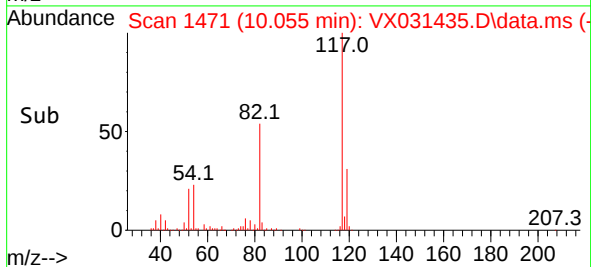
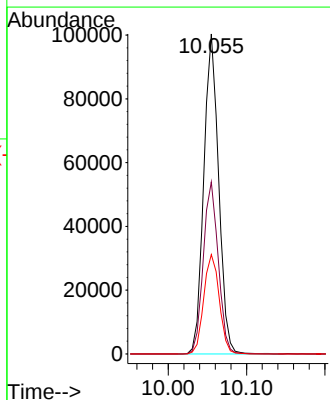
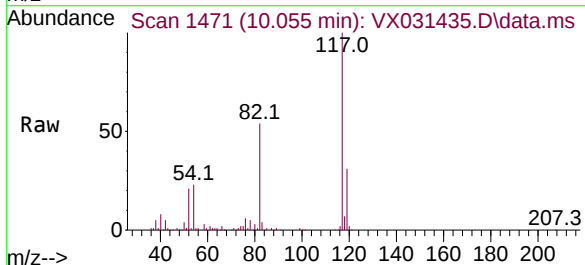
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#04

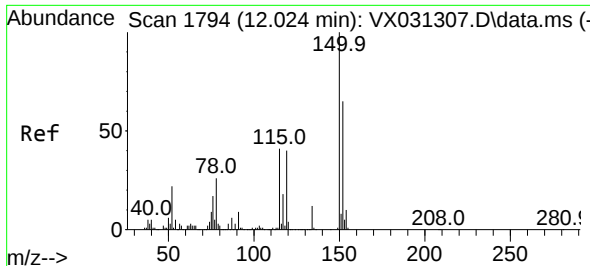
Tgt Ion: 95 Resp: 53360
Ion Ratio Lower Upper
95 100
174 88.6 0.0 153.2
176 86.0 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Tgt Ion: 117 Resp: 131907
Ion Ratio Lower Upper
117 100
82 53.8 46.8 70.2
119 31.1 26.4 39.6

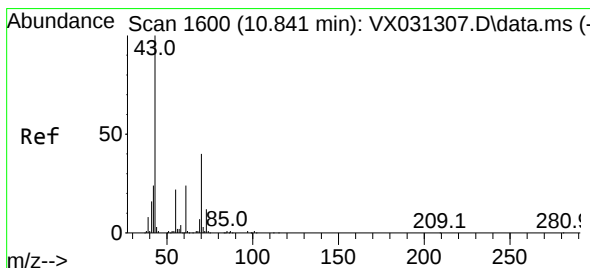
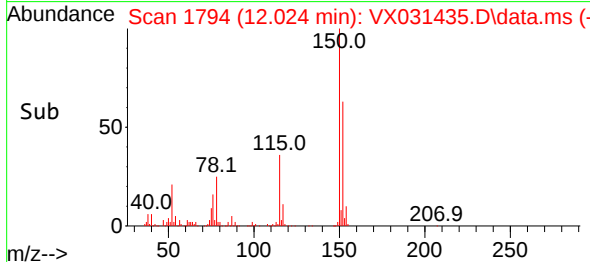
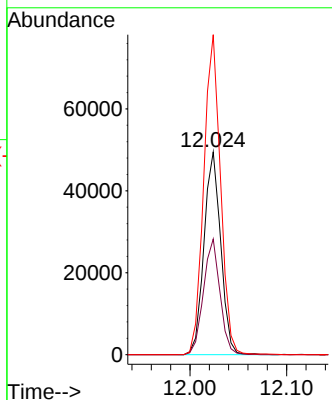
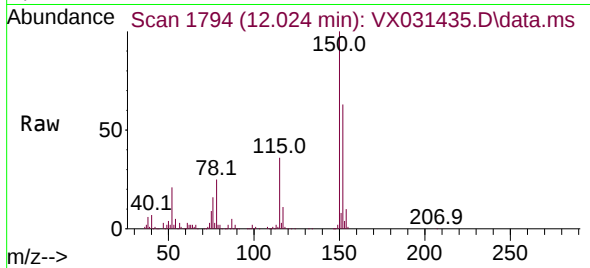




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX031435.D
 Acq: 17 Sep 2022 01:22

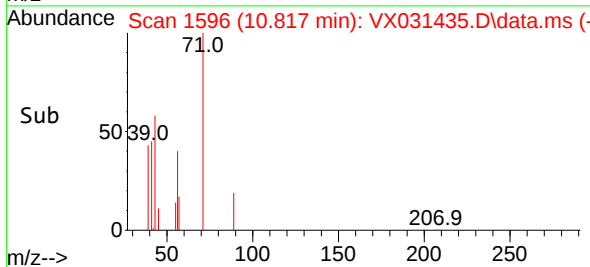
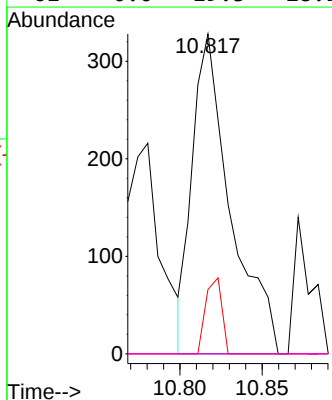
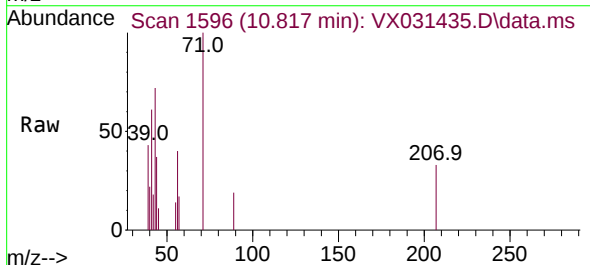
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#04

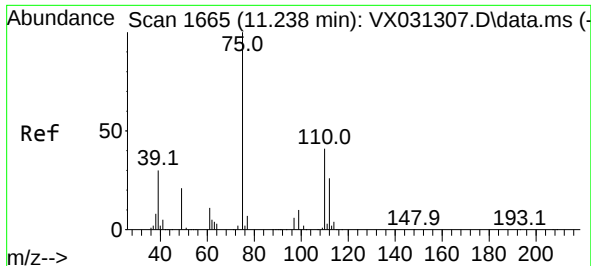
Tgt Ion:152 Resp: 59577
 Ion Ratio Lower Upper
 152 100
 115 56.4 43.4 130.1
 150 158.2 0.0 346.8



#74
 N-ethyl acetate
 Concen: 0.242 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX031435.D
 Acq: 17 Sep 2022 01:22

Tgt Ion: 43 Resp: 530
 Ion Ratio Lower Upper
 43 100
 70 0.0 33.4 50.2#
 55 10.0 18.2 27.2#
 61 0.0 19.3 28.9#

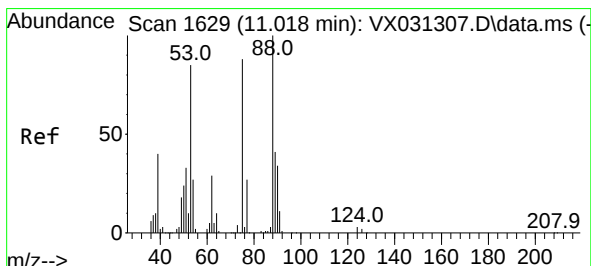
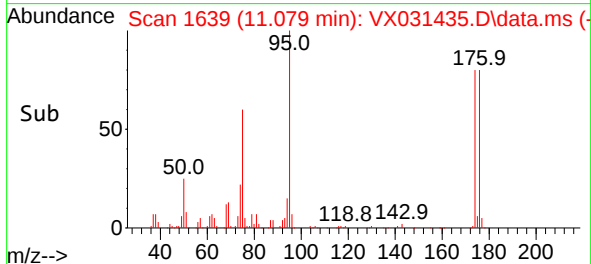
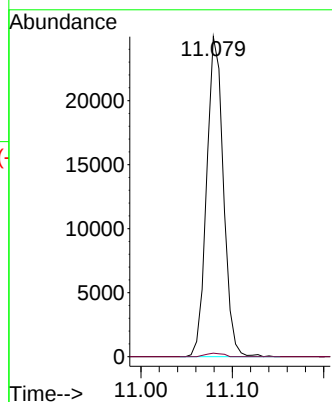
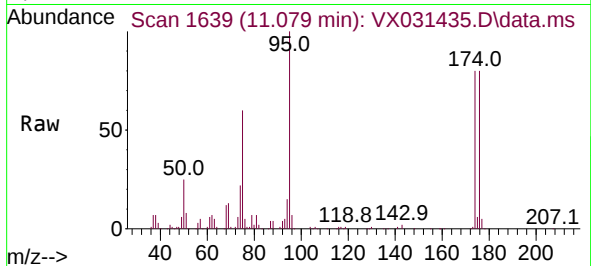




#76
1,2,3-Trichloropropane
Concen: 21.111 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#04

Tgt Ion: 75 Resp: 31695
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.415 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031435.D
Acq: 17 Sep 2022 01:22

Tgt Ion: 75 Resp: 31695
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

