

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031431.D
 Acq On : 16 Sep 2022 23:49
 Operator : JC/MD
 Sample : PB147603TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603TB

Quant Time: Sep 17 04:27:58 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)

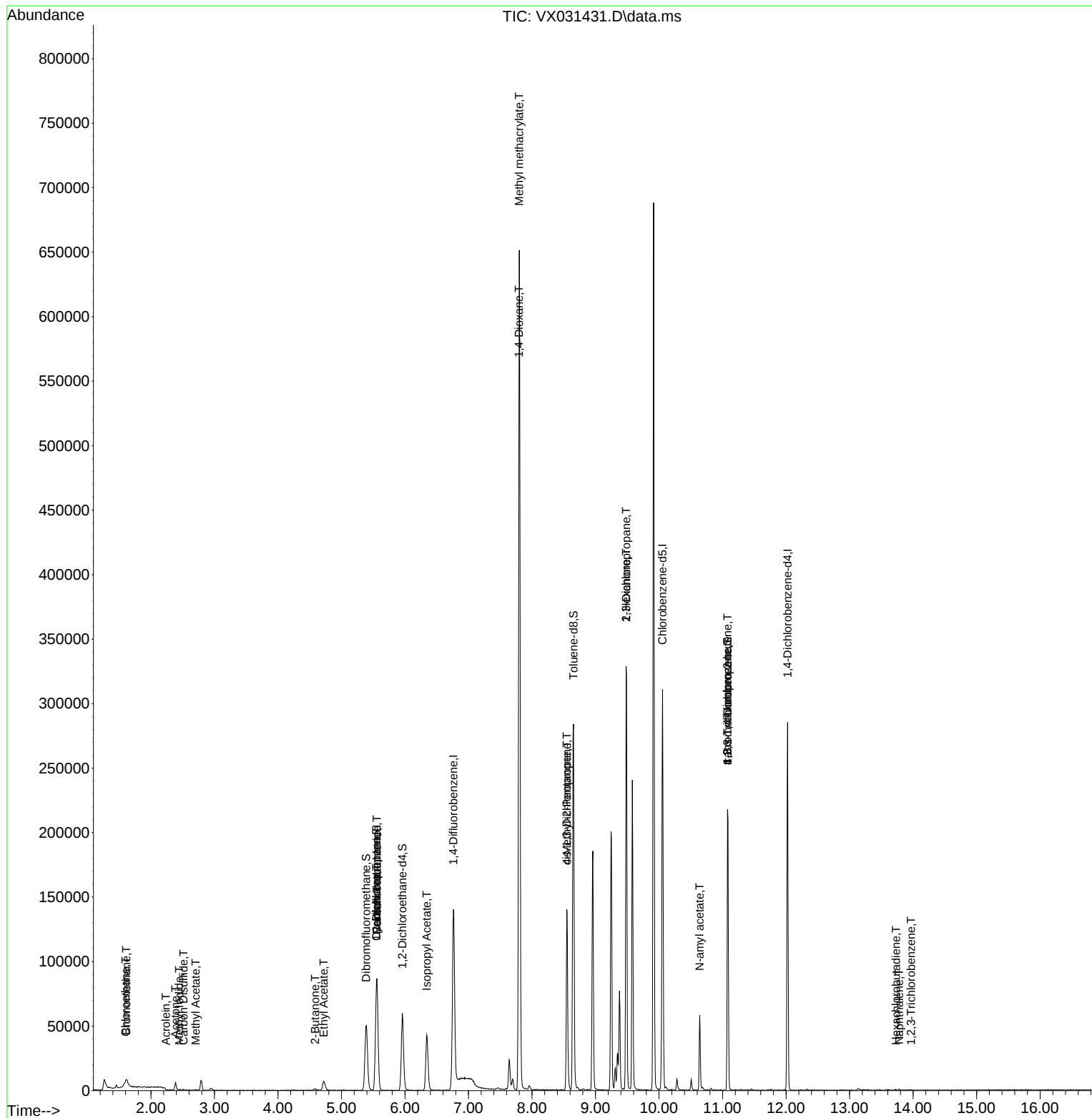
Internal Standards						
1) Pentafluorobenzene	5.556	168	82212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137232	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49745	24.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	49.300%#		
35) Dibromofluoromethane	5.385	113	41887	28.395	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	56.800%#		
50) Toluene-d8	8.653	98	166142	30.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	60.040%#		
62) 4-Bromofluorobenzene	11.079	95	51215	25.275	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	50.540%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	285	Below Cal	#	41
5) Bromomethane	1.611	94	652	0.605	ug/l	83
6) Chloroethane	1.599	64	1573	1.401	ug/l #	64
10) Methyl Iodide	2.447	142	551	1.316	ug/l #	82
11) Tert butyl alcohol	2.953	59	1253	Below Cal	#	73
13) Acrolein	2.233	56	50	0.215	ug/l #	15
16) Acetone	2.386	43	6191	7.187	ug/l	96
17) Carbon Disulfide	2.514	76	508	1.061	ug/l #	75
18) Methyl Acetate	2.703	43	735	0.288	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	92	Below Cal	#	42
25) 2-Butanone	4.586	43	1472	1.036	ug/l	97
31) Cyclohexane	5.550	56	2120	0.978	ug/l #	55
36) 1,1-Dichloropropene	5.550	75	6681	3.309	ug/l #	47
37) Ethyl Acetate	4.721	43	13105	4.939	ug/l	98
38) Carbon Tetrachloride	5.556	117	8194	3.733	ug/l #	16
43) Isopropyl Acetate	6.342	43	57929	12.790	ug/l	98
48) Methyl methacrylate	7.799	41	57210	27.748	ug/l #	46
49) 1,4-Dioxane	7.793	88	46	1.113	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47174	17.136	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	21219	7.837	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	2837	1.020	ug/l #	43
59) 2-Hexanone	9.482	43	38272	18.215	ug/l #	54
74) N-amyl acetate	10.640	43	13418	6.865	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	29201	21.769	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	29201	60.234	ug/l #	11
94) Hexachlorobutadiene	13.731	225	142	0.386	ug/l	85
95) Naphthalene	13.780	128	817	0.213	ug/l #	82
96) 1,2,3-Trichlorobenzene	13.969	180	248	0.246	ug/l #	74

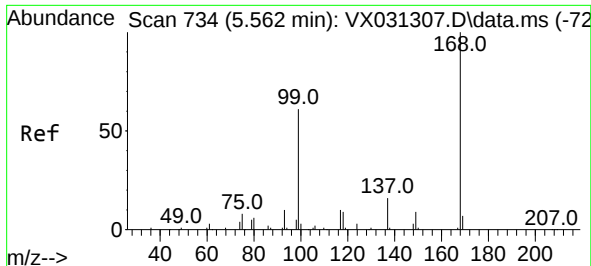
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
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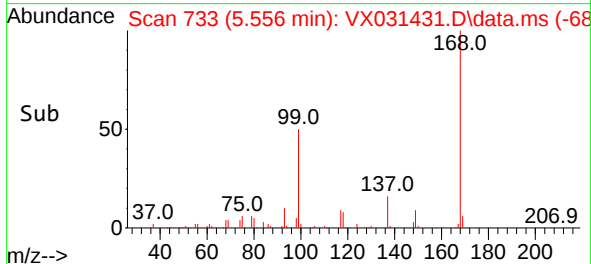
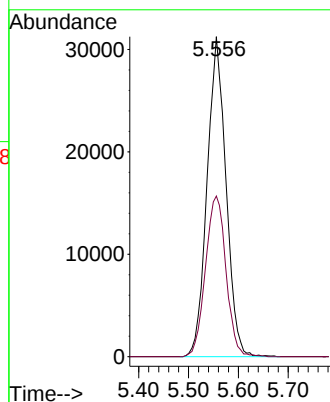
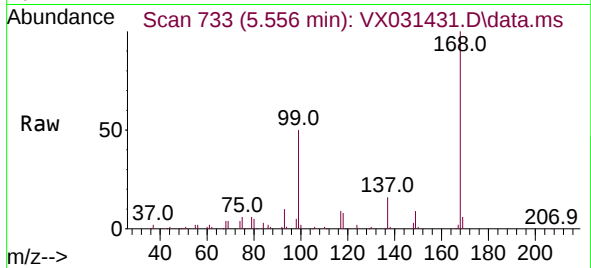




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

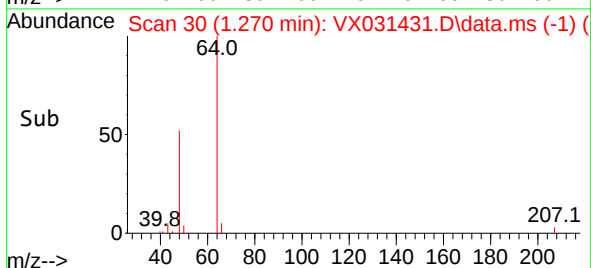
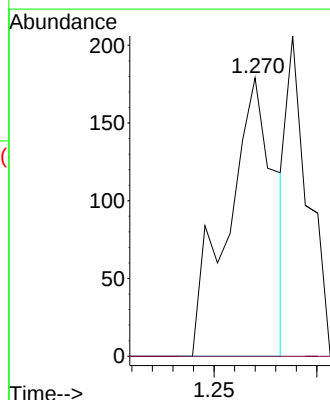
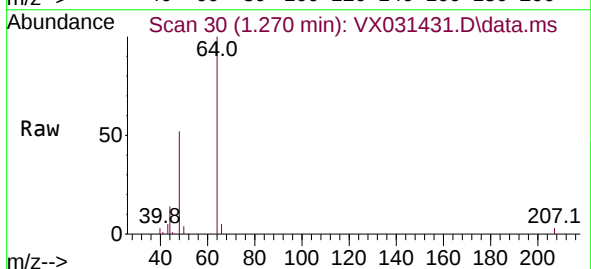
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

Tgt Ion:168 Resp: 82212
Ion Ratio Lower Upper
168 100
99 50.2 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.270 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 50 Resp: 285
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

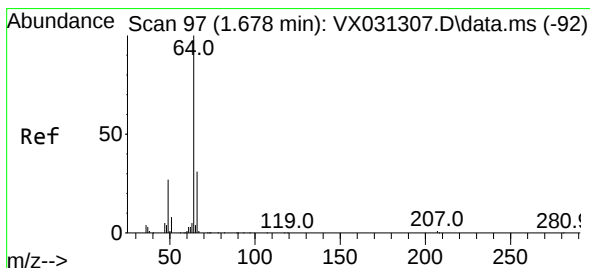
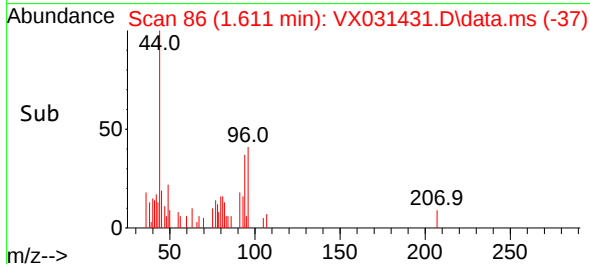
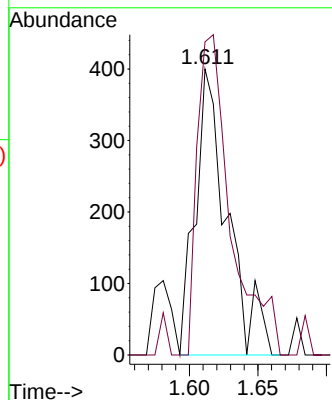
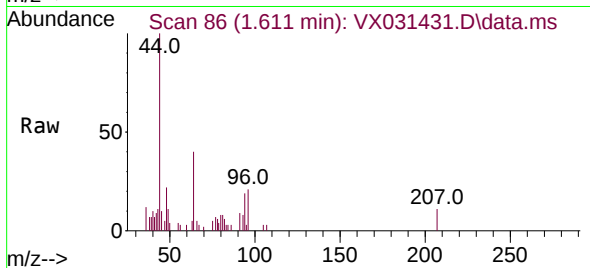




#5
Bromomethane
Concen: 0.605 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

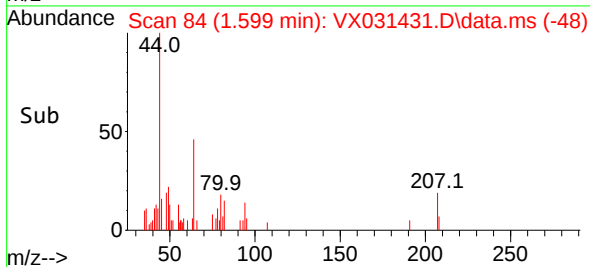
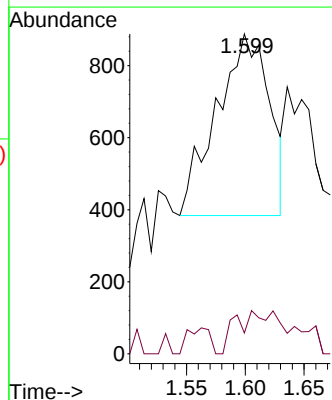
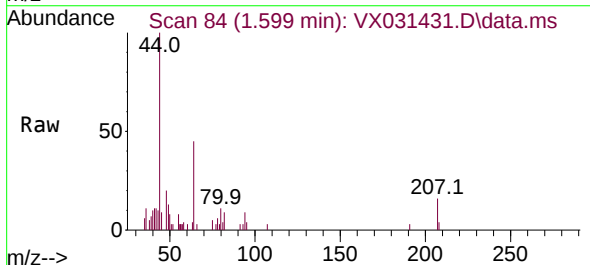
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

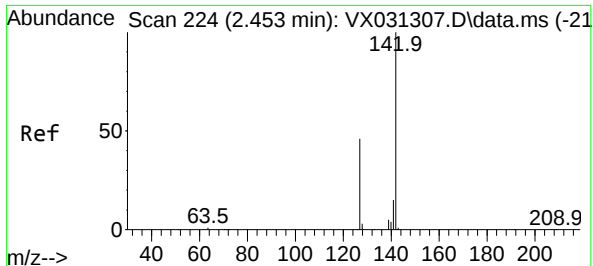
Tgt Ion: 94 Resp: 652
Ion Ratio Lower Upper
94 100
96 109.5 74.4 111.6



#6
Chloroethane
Concen: 1.401 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.079 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

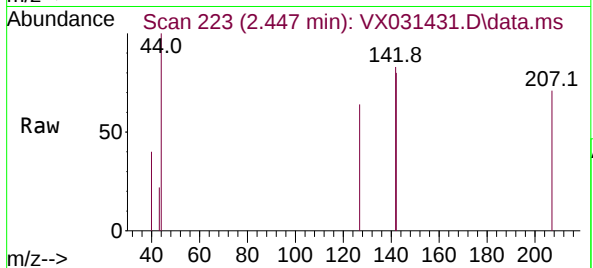
Tgt Ion: 64 Resp: 1573
Ion Ratio Lower Upper
64 100
66 11.5 25.0 37.4#



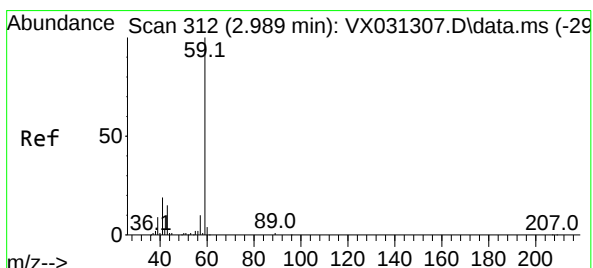
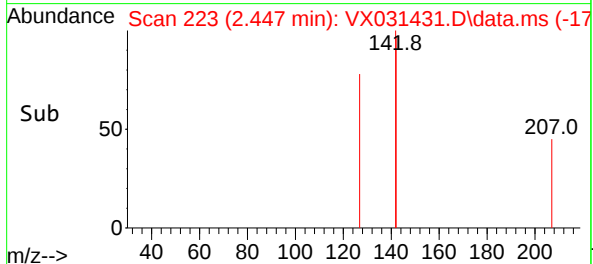
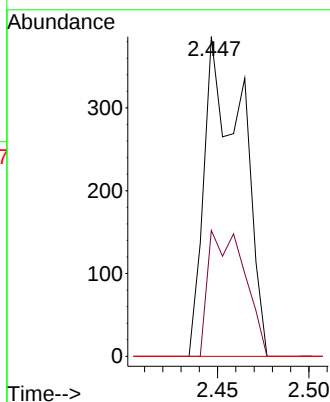


#10
Methyl Iodide
Concen: 1.316 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

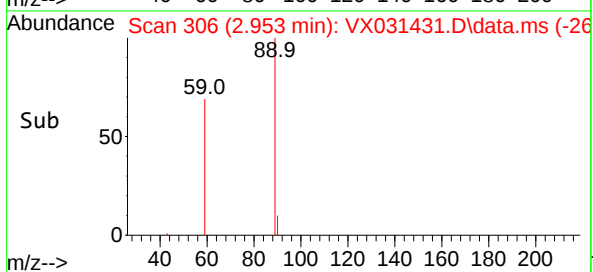
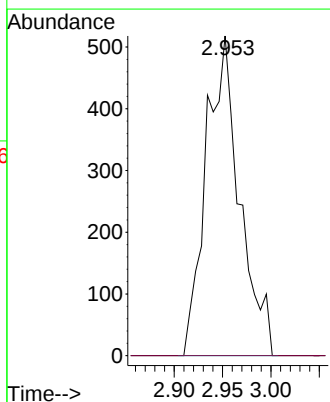
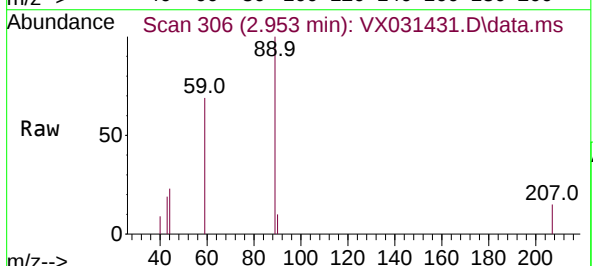


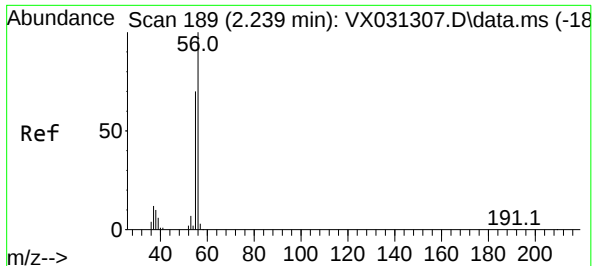
Tgt Ion:142 Resp: 551
Ion Ratio Lower Upper
142 100
127 38.3 37.4 56.0
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 59 Resp: 1253
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

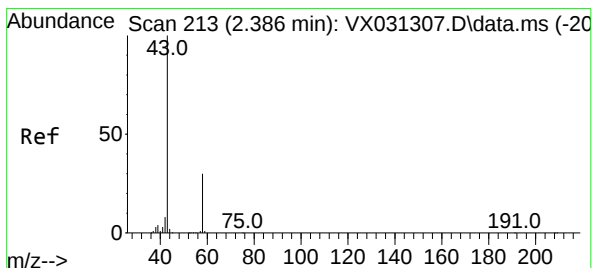
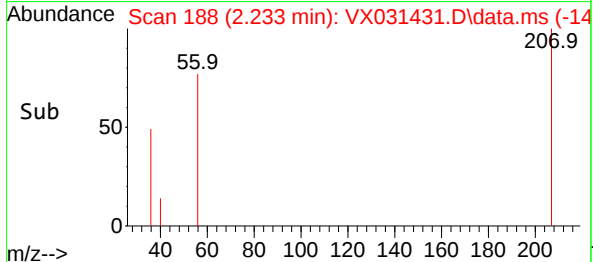
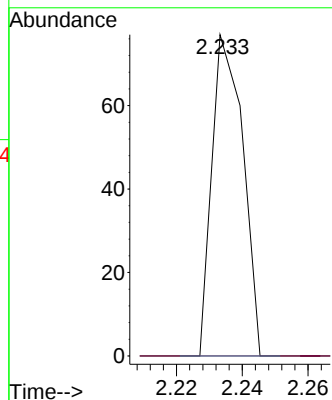
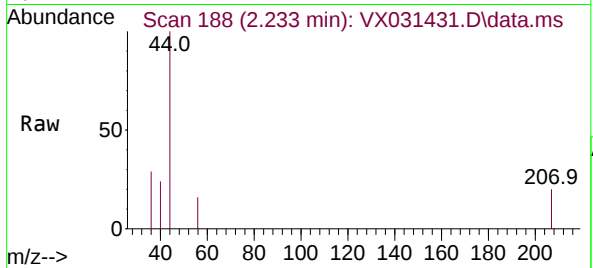




#13
Acrolein
Concen: 0.215 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

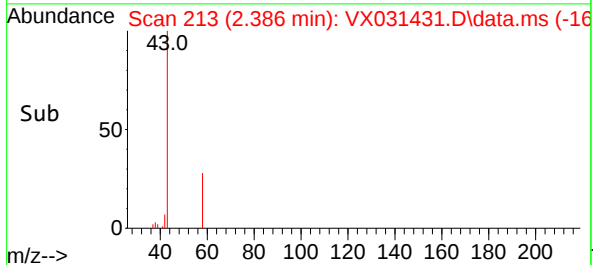
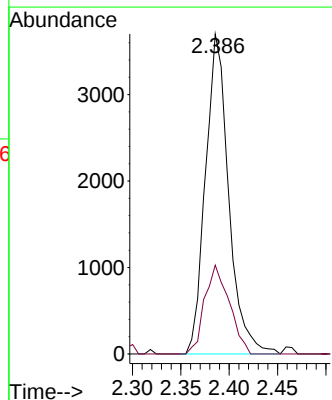
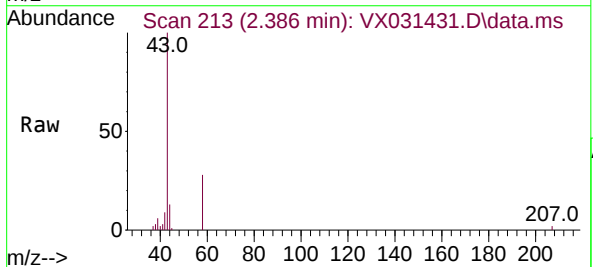
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

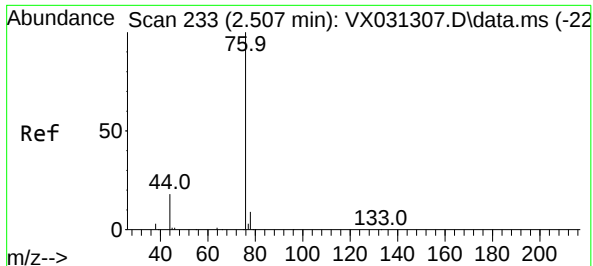
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#16
Acetone
Concen: 7.187 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 43 Resp: 6191
Ion Ratio Lower Upper
43 100
58 27.8 23.8 35.8

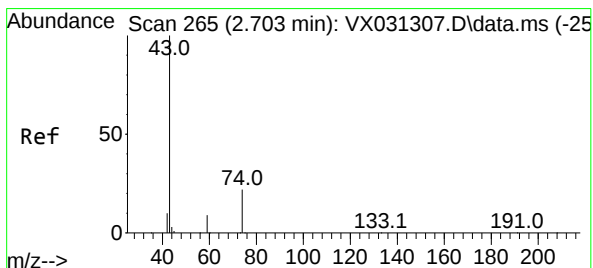
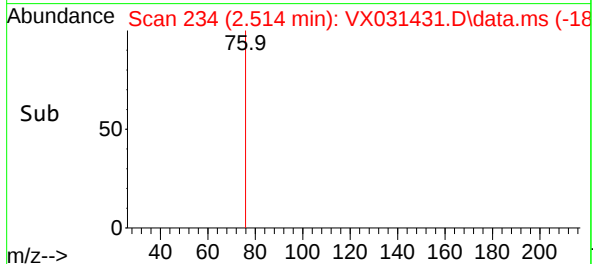
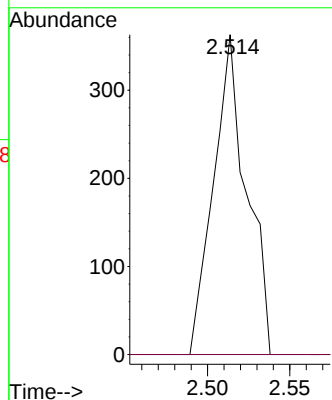
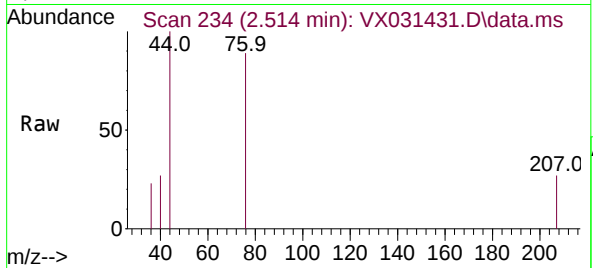




#17
Carbon Disulfide
Concen: 1.061 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

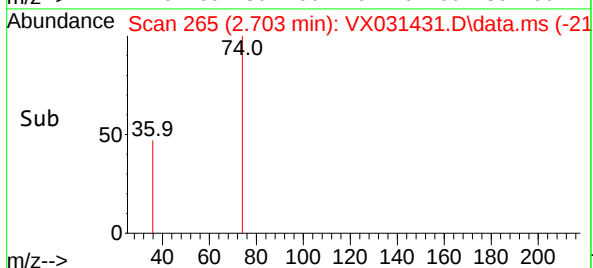
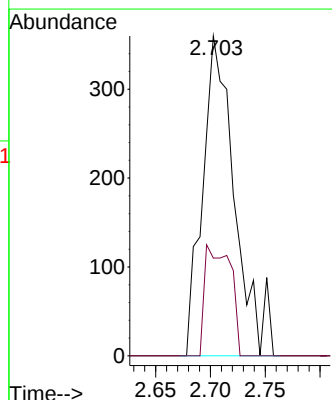
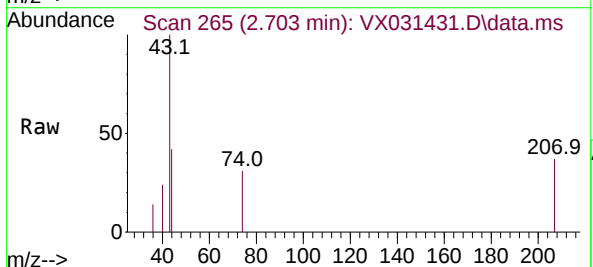
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ClientSampleId :
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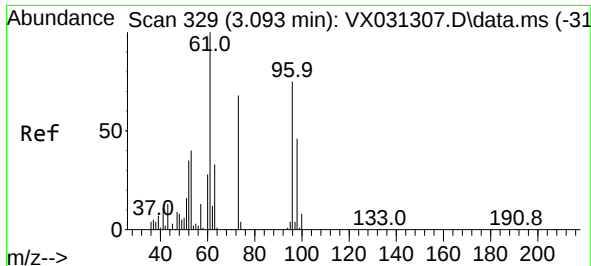
Tgt Ion: 76 Resp: 508
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.288 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
74 27.6 18.6 27.8

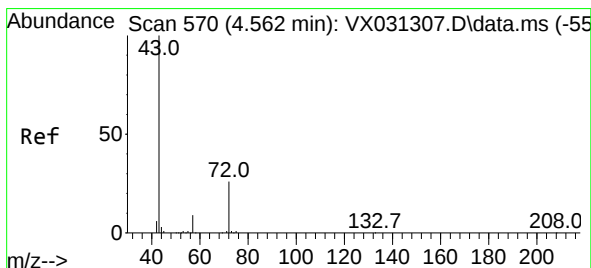
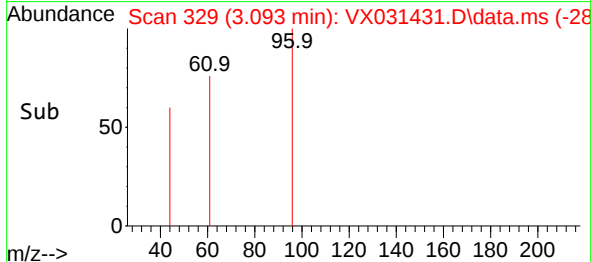
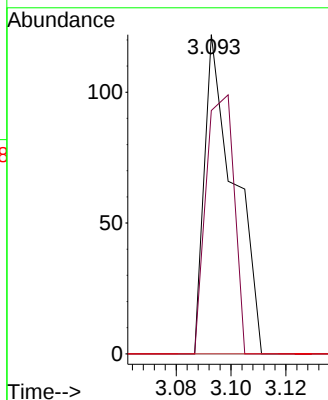
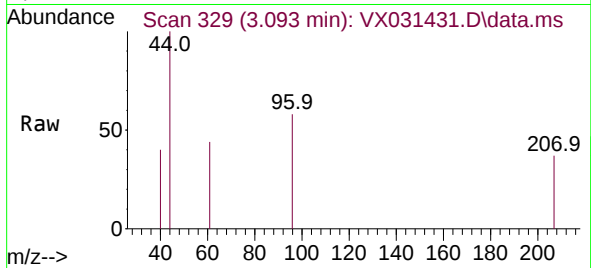




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

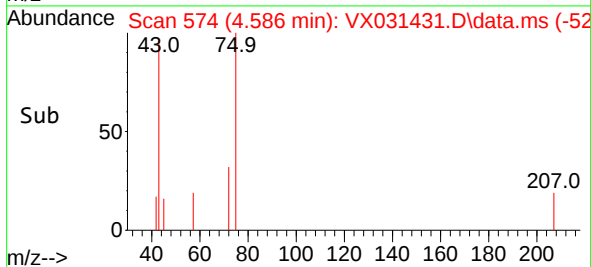
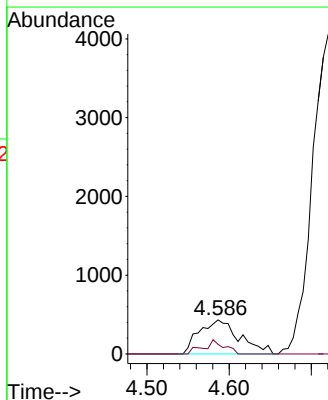
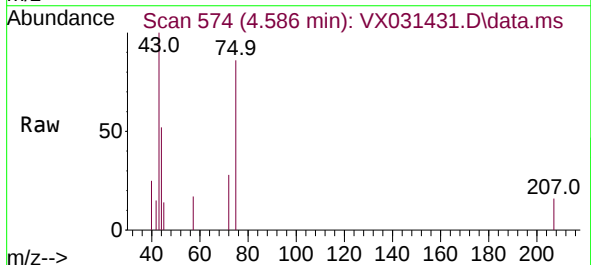
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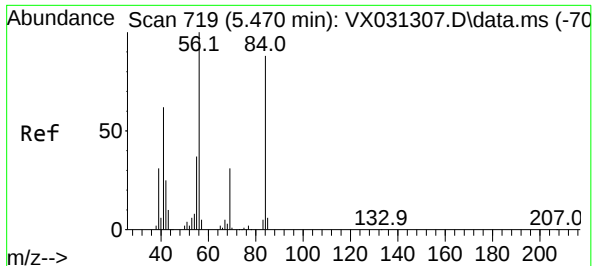
Tgt Ion: 96 Resp: 92
Ion Ratio Lower Upper
96 100
61 76.2 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 1.036 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.024 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 43 Resp: 1472
Ion Ratio Lower Upper
43 100
72 27.9 21.1 31.7

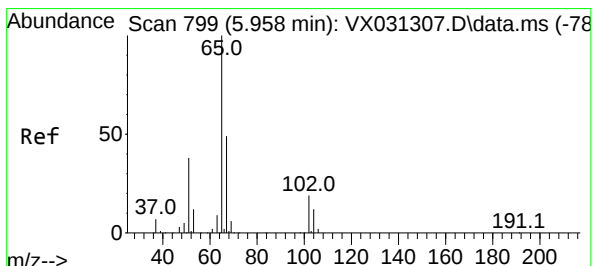
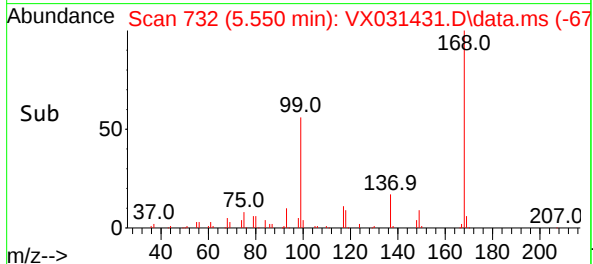
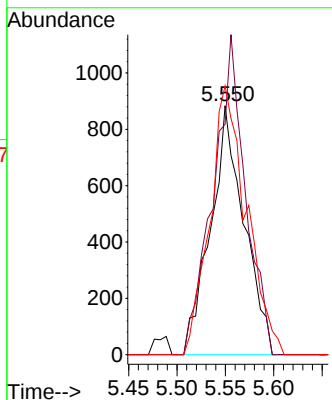
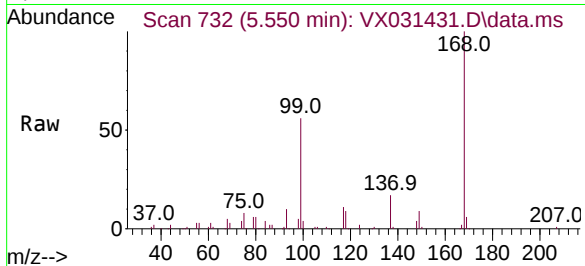




#31
Cyclohexane
Concen: 0.978 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

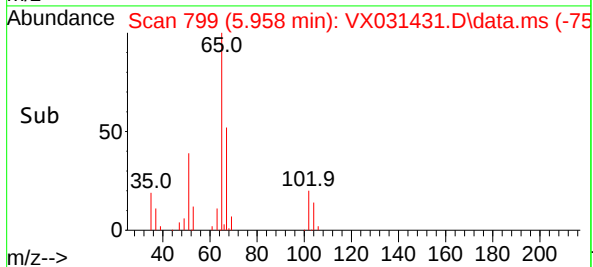
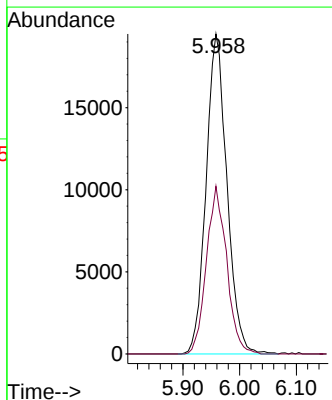
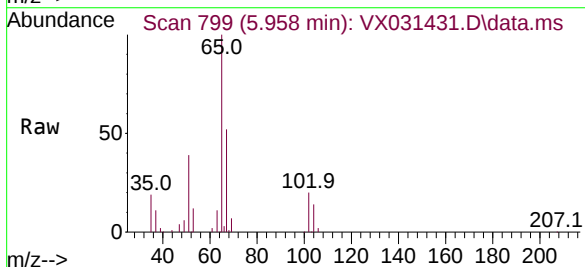
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

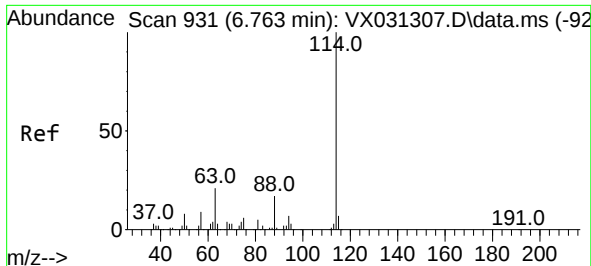
Tgt Ion: 56 Resp: 2120
Ion Ratio Lower Upper
56 100
69 92.5 25.1 37.7#
84 107.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 24.652 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 65 Resp: 49745
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4

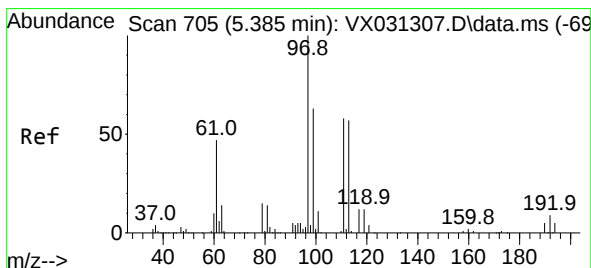
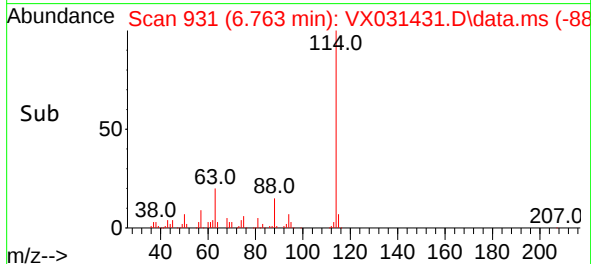
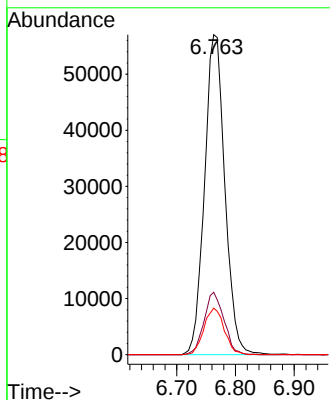
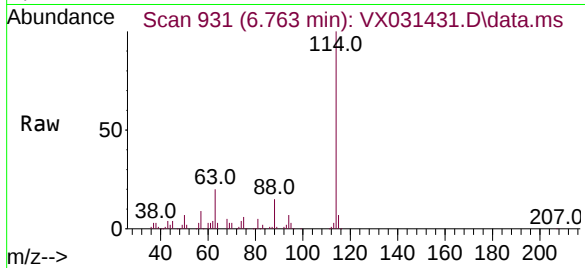




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

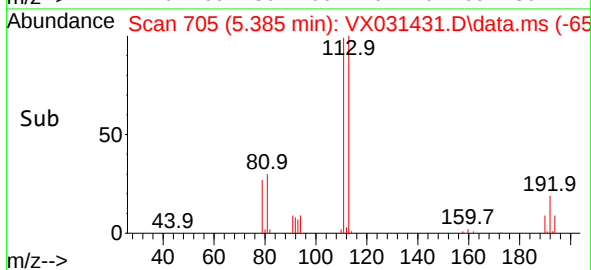
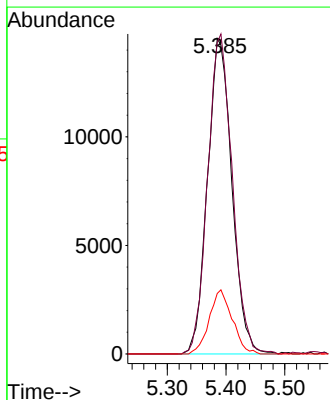
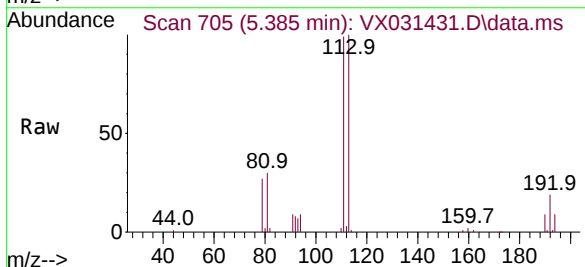
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

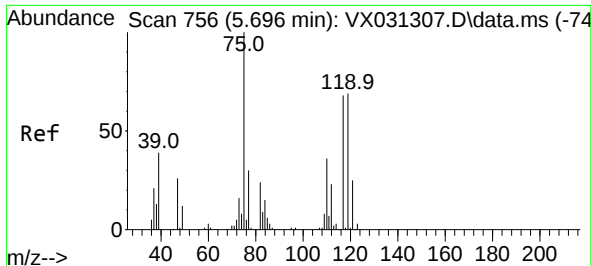
Tgt Ion:114 Resp: 137232
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.6
88 14.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 28.395 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion:113 Resp: 41887
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 19.2 14.1 21.1

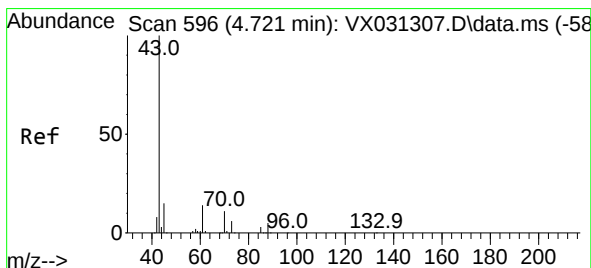
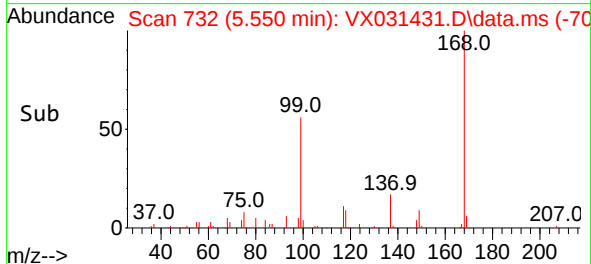
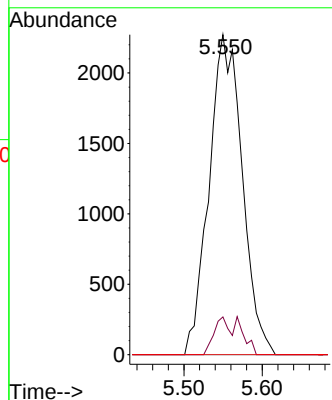
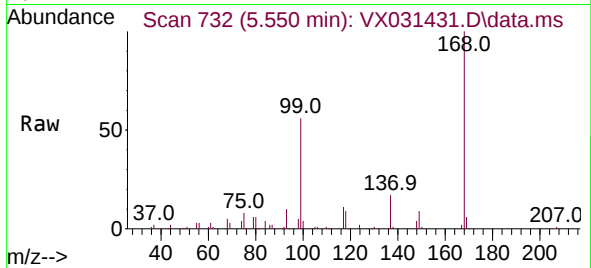




#36
1,1-Dichloropropene
Concen: 3.309 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

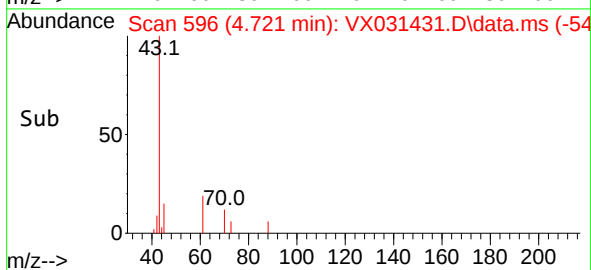
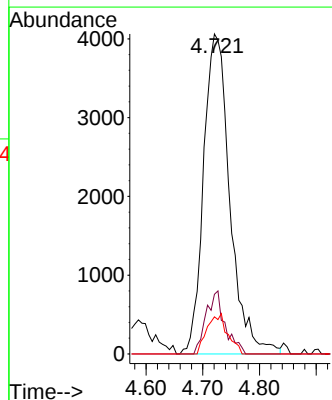
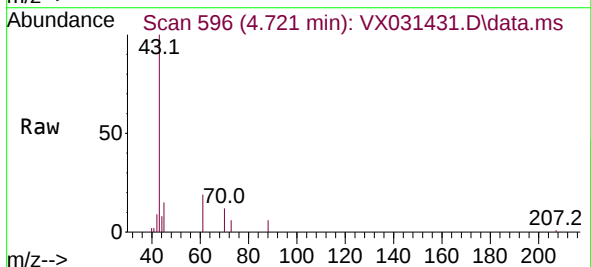
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

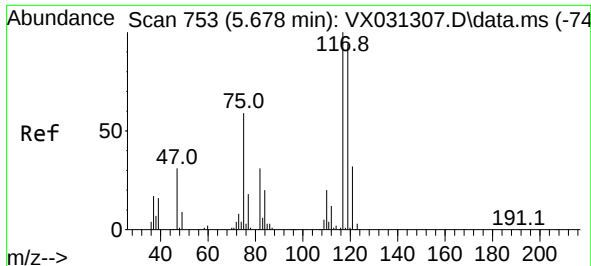
Tgt Ion: 75 Resp: 6681
Ion Ratio Lower Upper
75 100
110 5.7 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 4.939 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 43 Resp: 13105
Ion Ratio Lower Upper
43 100
61 14.1 11.1 16.7
70 9.7 8.6 13.0

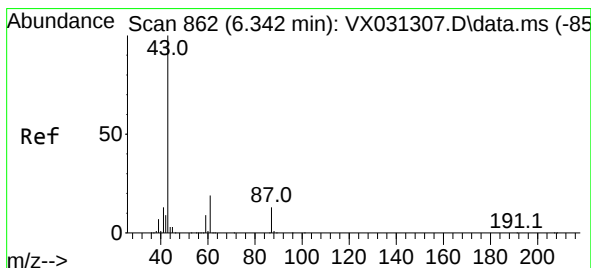
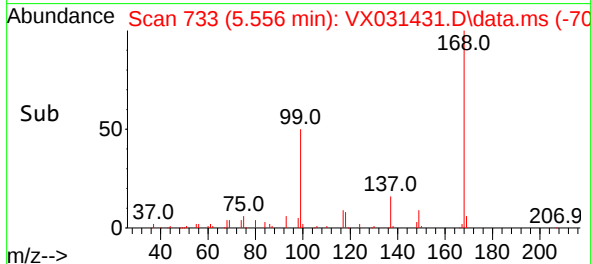
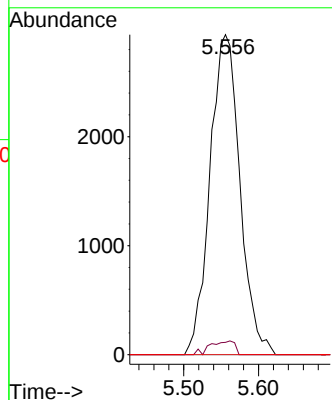
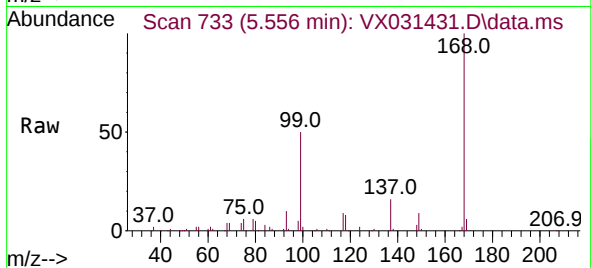




#38
Carbon Tetrachloride
Concen: 3.733 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

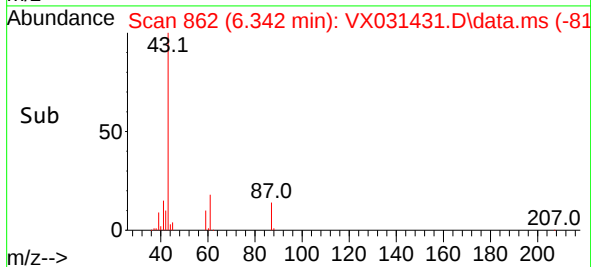
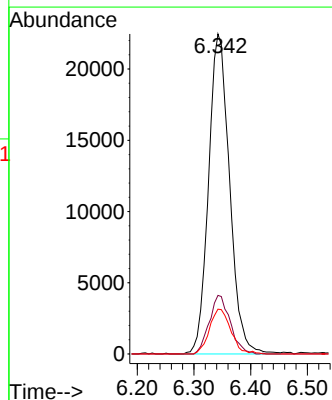
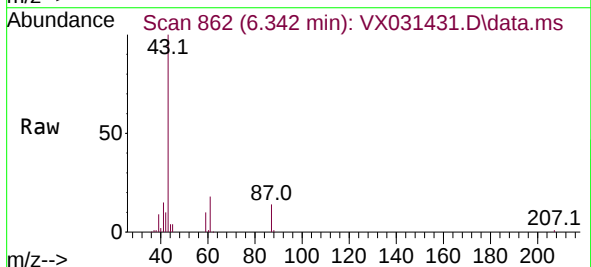
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

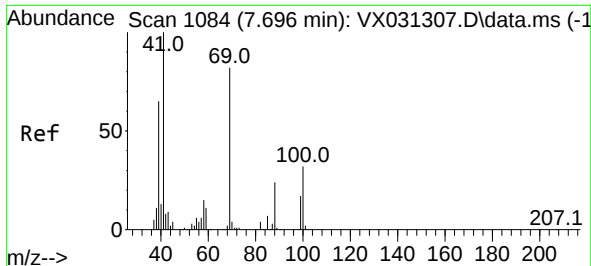
Tgt Ion:117 Resp: 8194
Ion Ratio Lower Upper
117 100
119 3.8 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 12.790 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 43 Resp: 57929
Ion Ratio Lower Upper
43 100
61 18.2 15.3 22.9
87 14.2 10.6 15.8

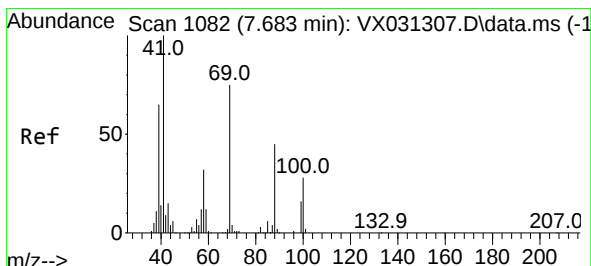
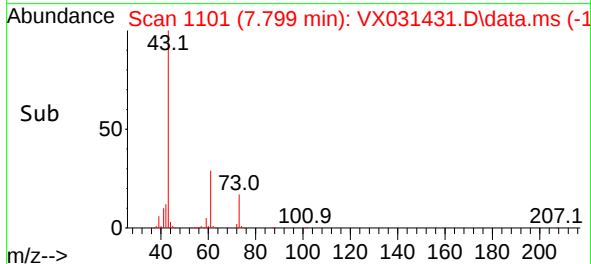
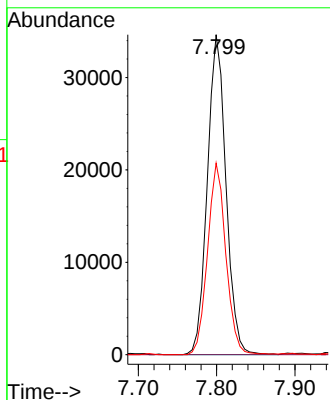
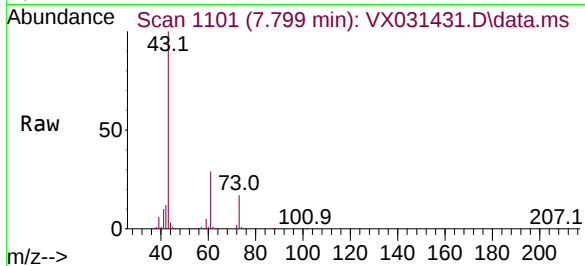




#48
Methyl methacrylate
Concen: 27.748 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

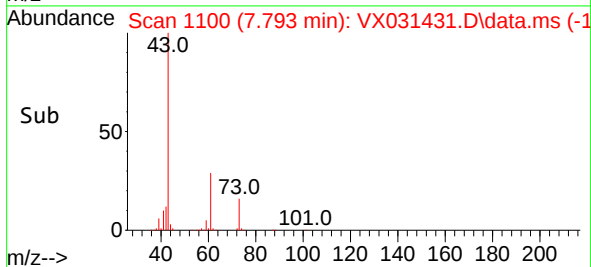
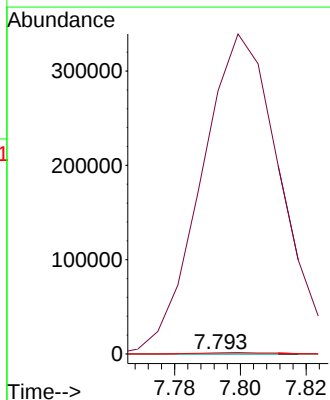
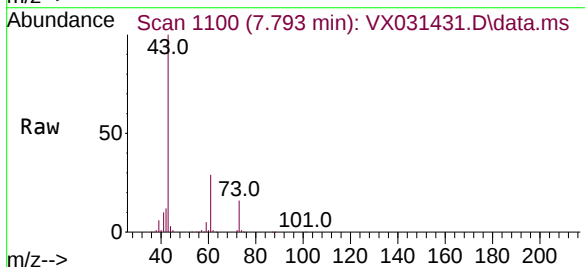
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

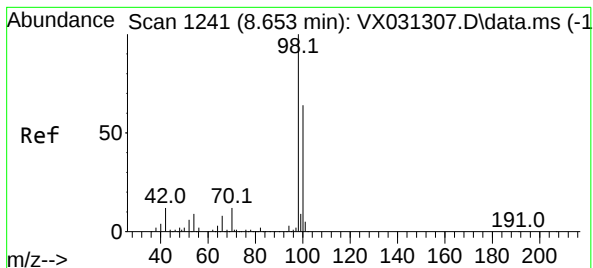
Tgt Ion: 41 Resp: 57210
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 58.9 51.4 77.0



#49
1,4-Dioxane
Concen: 1.113 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 1245967.4 27.1 40.7#
58 5334.8 53.9 80.9#





#50

Toluene-d8

Concen: 30.025 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031431.D

Acq: 16 Sep 2022 23:49

Instrument :

MSVOA_X

ClientSampleId :

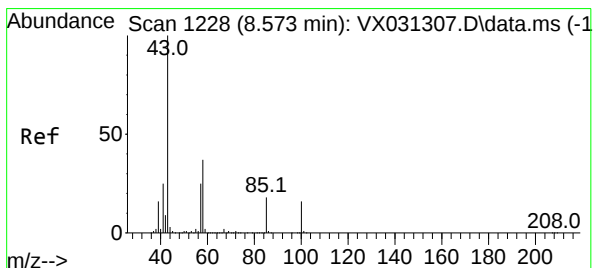
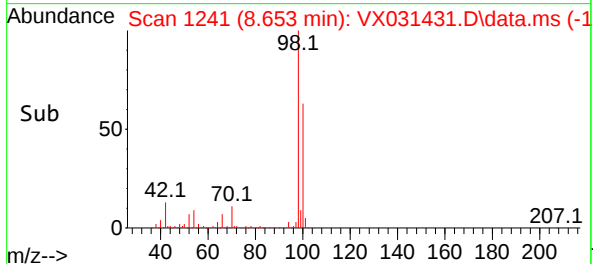
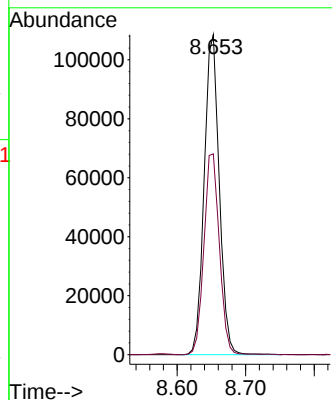
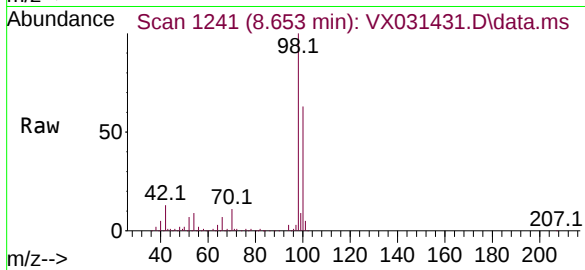
PB147603TB

Tgt Ion: 98 Resp: 166142

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 17.136 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX031431.D

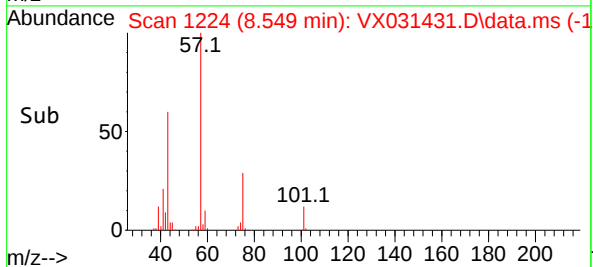
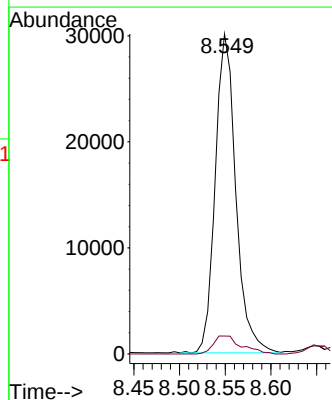
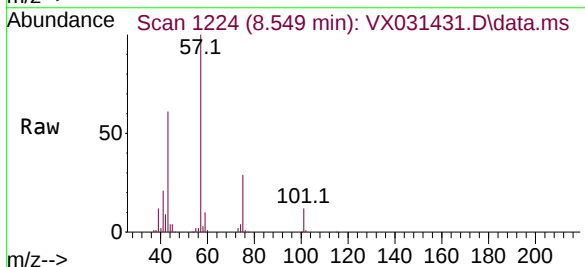
Acq: 16 Sep 2022 23:49

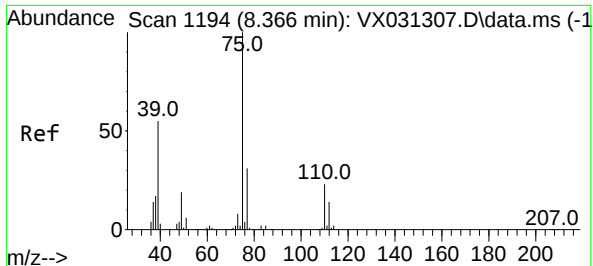
Tgt Ion: 43 Resp: 47174

Ion Ratio Lower Upper

43 100

58 7.6 30.6 46.0#

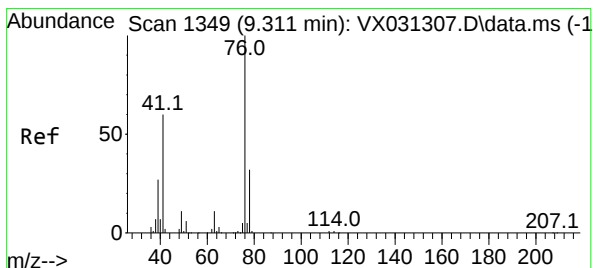
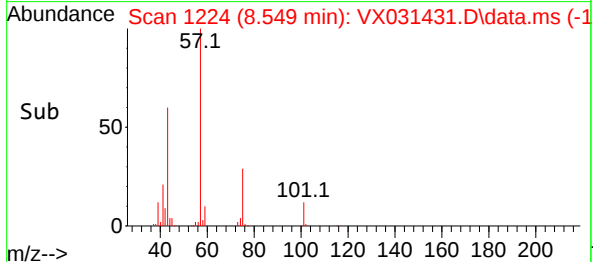
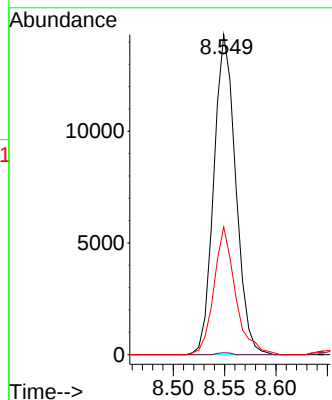
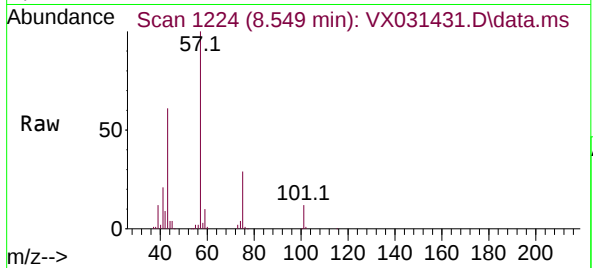




#54
 cis-1,3-Dichloropropene
 Concen: 7.837 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031431.D
 Acq: 16 Sep 2022 23:49

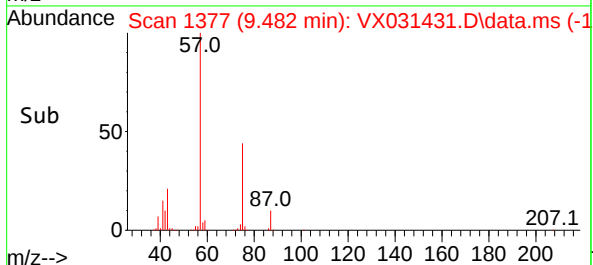
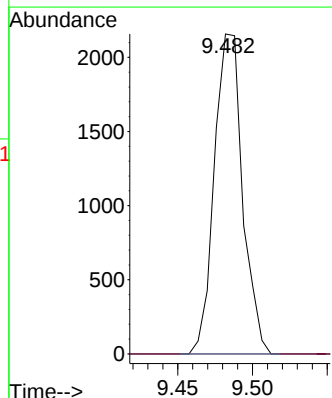
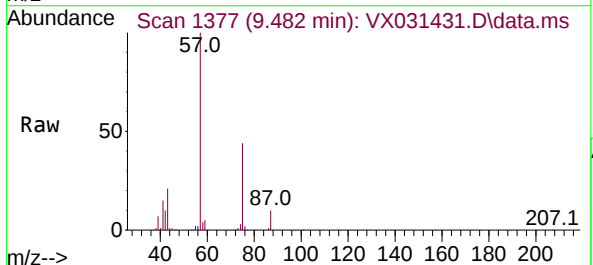
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603TB

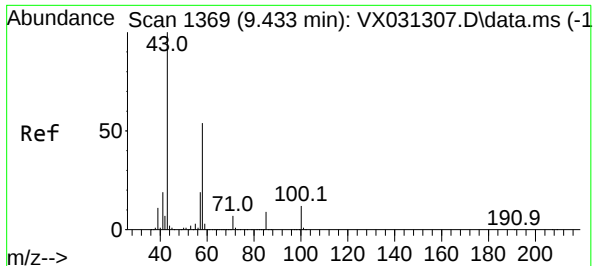
Tgt Ion: 75 Resp: 21219
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.4 36.6#
 39 39.9 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 1.020 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031431.D
 Acq: 16 Sep 2022 23:49

Tgt Ion: 76 Resp: 2837
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 18.215 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX031431.D

Acq: 16 Sep 2022 23:49

Instrument :

MSVOA_X

ClientSampleId :

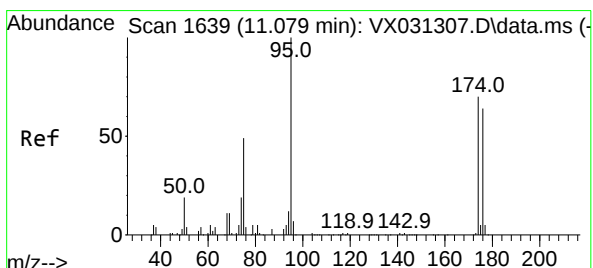
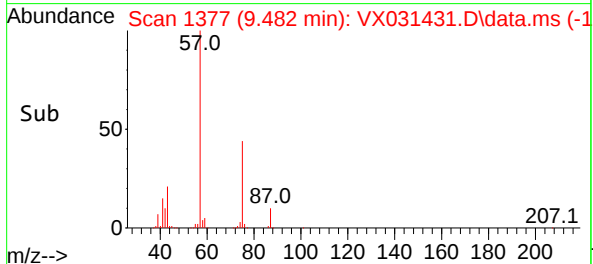
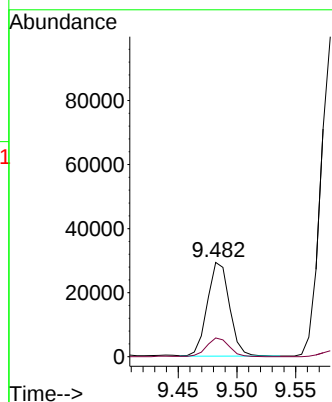
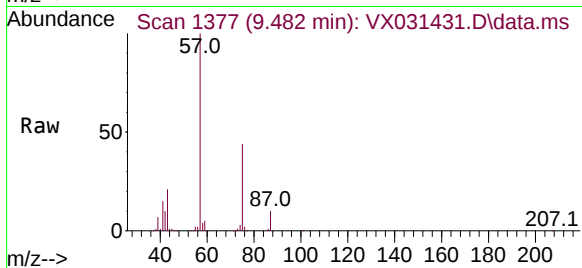
PB147603TB

Tgt Ion: 43 Resp: 38272

Ion Ratio Lower Upper

43 100

58 20.4 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 25.275 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031431.D

Acq: 16 Sep 2022 23:49

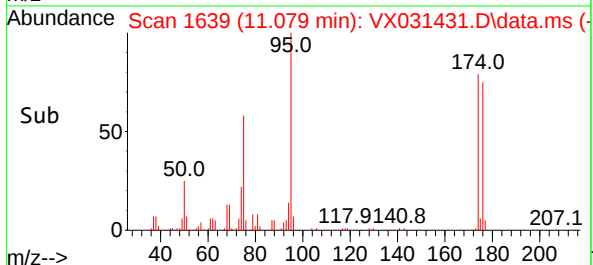
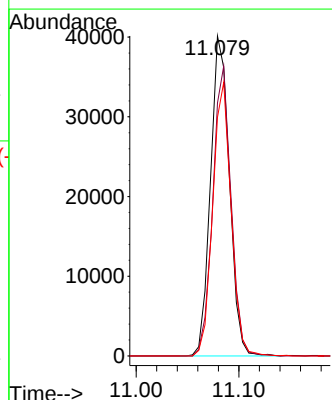
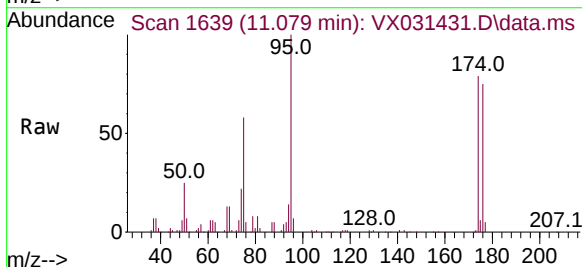
Tgt Ion: 95 Resp: 51215

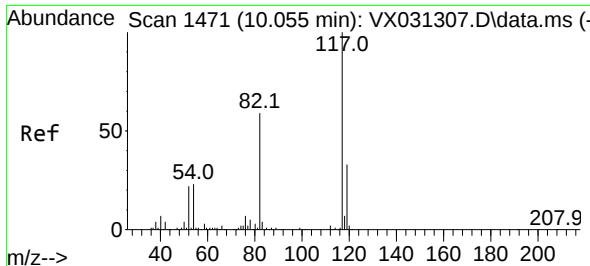
Ion Ratio Lower Upper

95 100

174 87.6 0.0 153.2

176 83.2 0.0 144.0

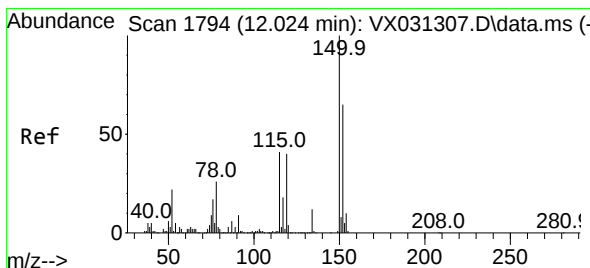
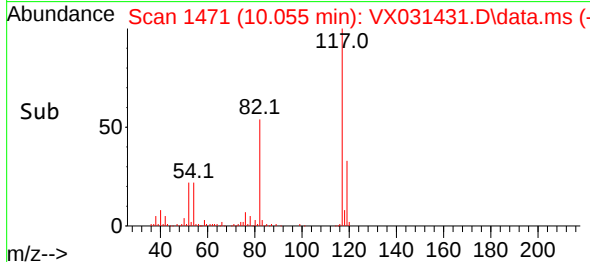
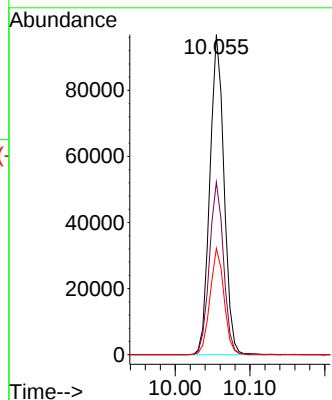
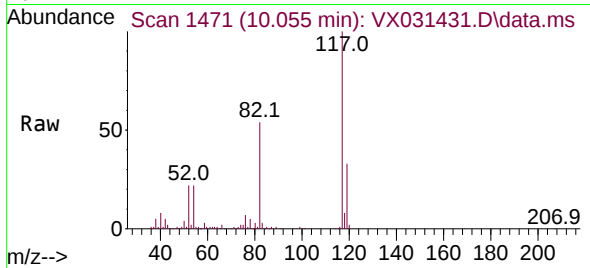




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

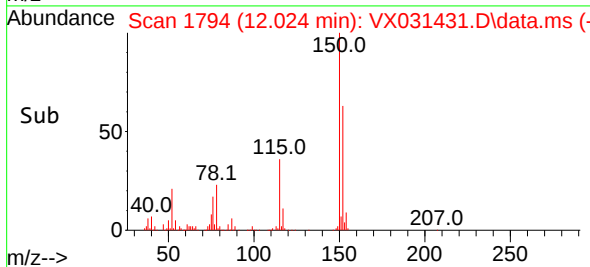
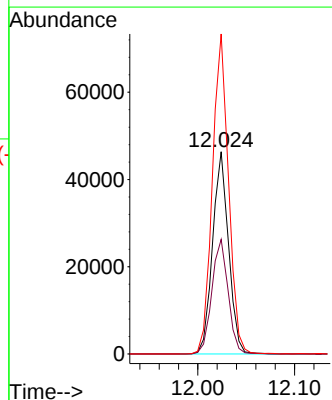
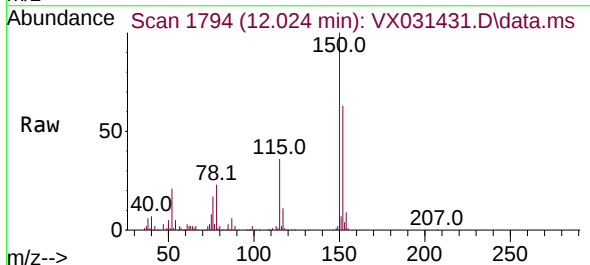
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

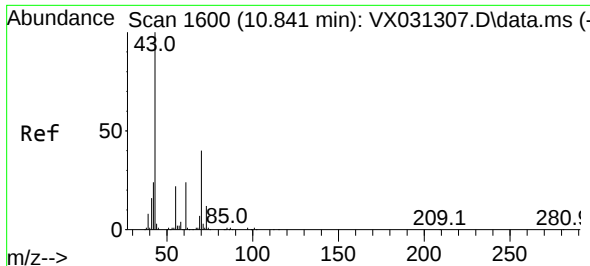
Tgt Ion:117 Resp: 127430
Ion Ratio Lower Upper
117 100
82 53.9 46.8 70.2
119 33.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion:152 Resp: 53231
Ion Ratio Lower Upper
152 100
115 57.7 43.4 130.1
150 159.9 0.0 346.8

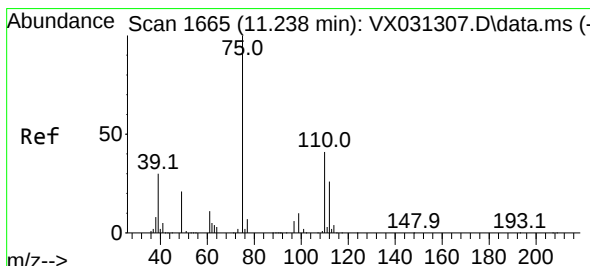
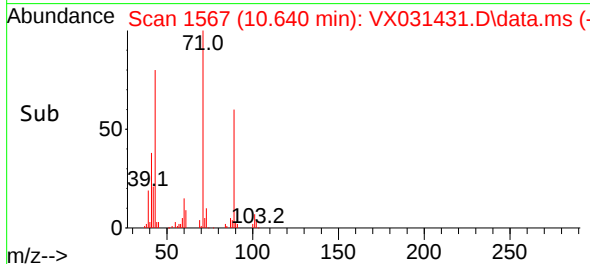
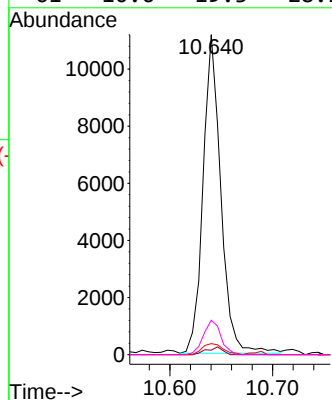
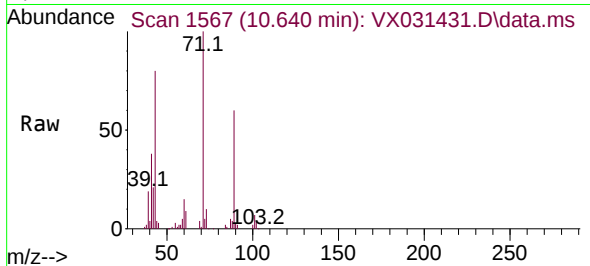




#74
N-amy1 acetate
Concen: 6.865 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

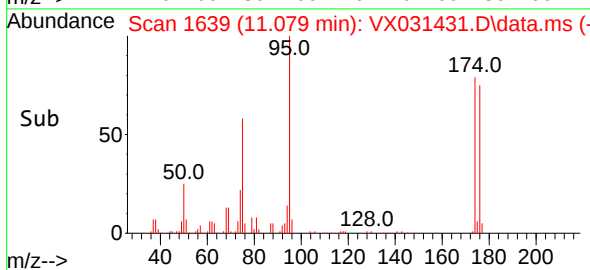
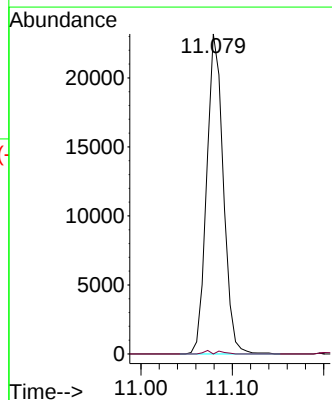
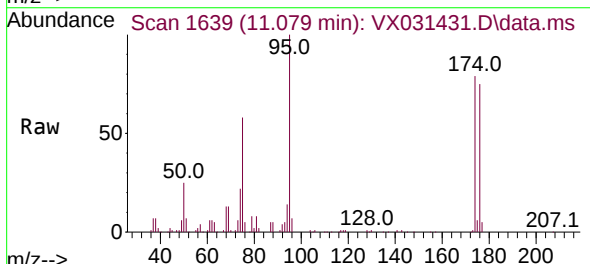
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

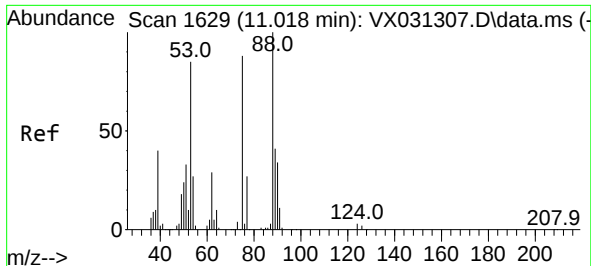
Tgt Ion:	43	Resp:	13418
Ion	Ratio	Lower	Upper
43	100		
70	2.2	33.4	50.2#
55	4.1	18.2	27.2#
61	10.6	19.3	28.9#



#76
1,2,3-Trichloropropane
Concen: 21.769 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion:	75	Resp:	29201
Ion	Ratio	Lower	Upper
75	100		
77	0.4	20.3	60.9#

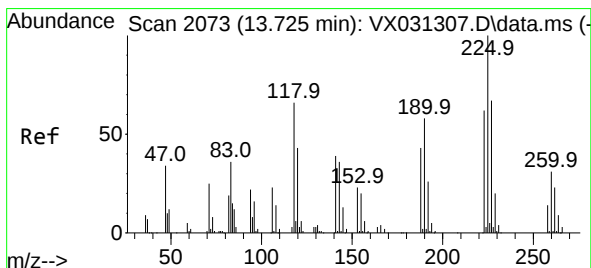
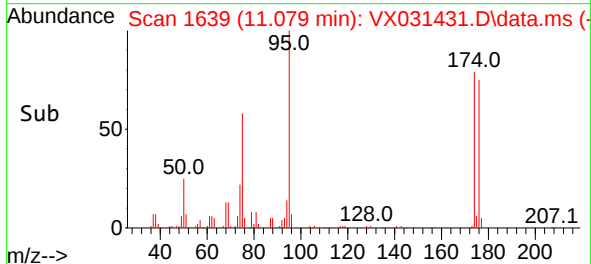
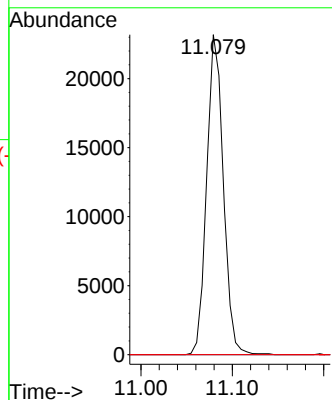
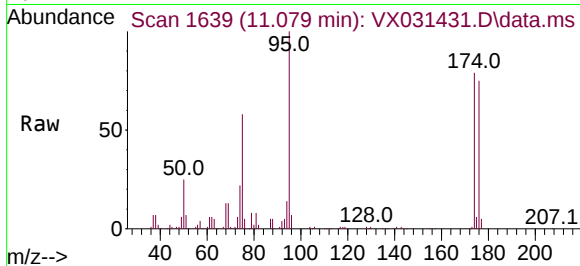




#81
trans-1,4-Dichloro-2-butene
Concen: 60.234 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

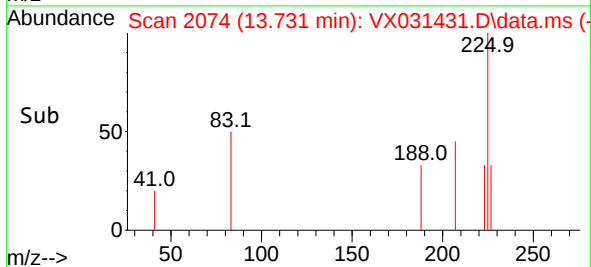
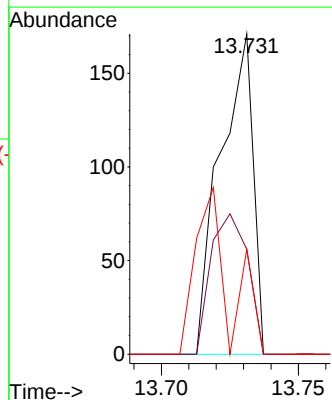
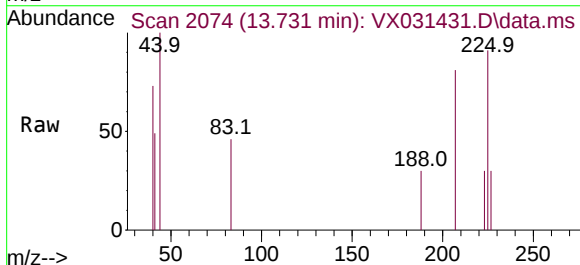
Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

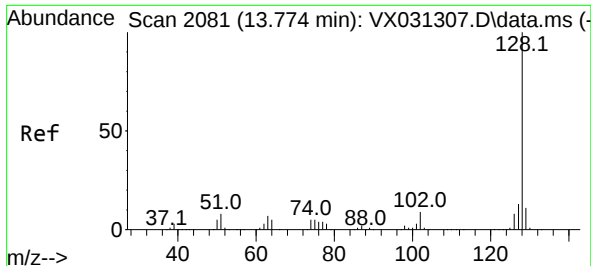
Tgt Ion: 75 Resp: 29201
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#94
Hexachlorobutadiene
Concen: 0.386 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion: 225 Resp: 142
Ion Ratio Lower Upper
225 100
223 49.3 30.8 92.4
227 53.5 32.3 96.9

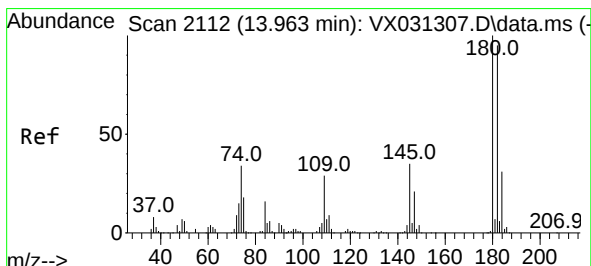
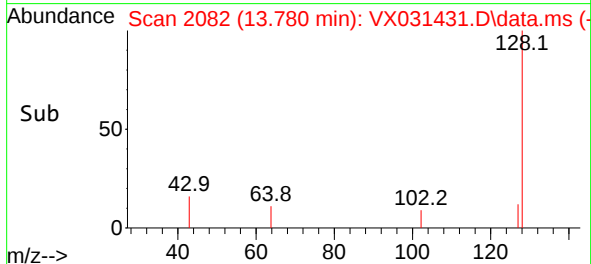
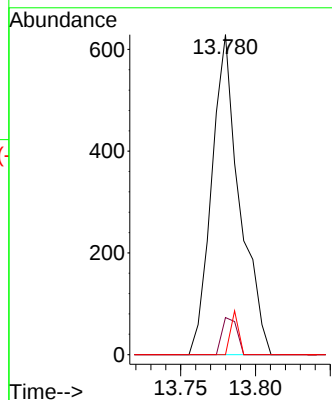
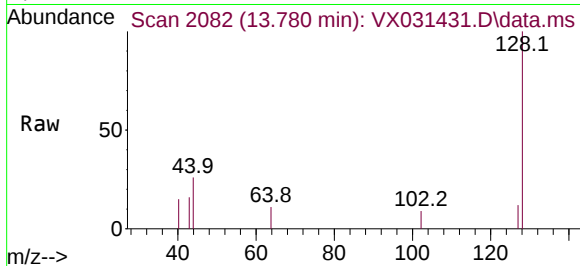




#95
Naphthalene
Concen: 0.213 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Instrument :
MSVOA_X
ClientSampleId :
PB147603TB

Tgt Ion:128 Resp: 817
Ion Ratio Lower Upper
128 100
127 6.1 10.4 15.6#
129 3.8 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.246 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX031431.D
Acq: 16 Sep 2022 23:49

Tgt Ion:180 Resp: 248
Ion Ratio Lower Upper
180 100
182 83.5 47.9 143.8
145 0.0 17.6 52.8#

