

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031370.D
 Acq On : 15 Sep 2022 21:39
 Operator : JC/MD
 Sample : N4508-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-03-117-137-090222-H

Quant Time: Sep 16 04:58:53 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)

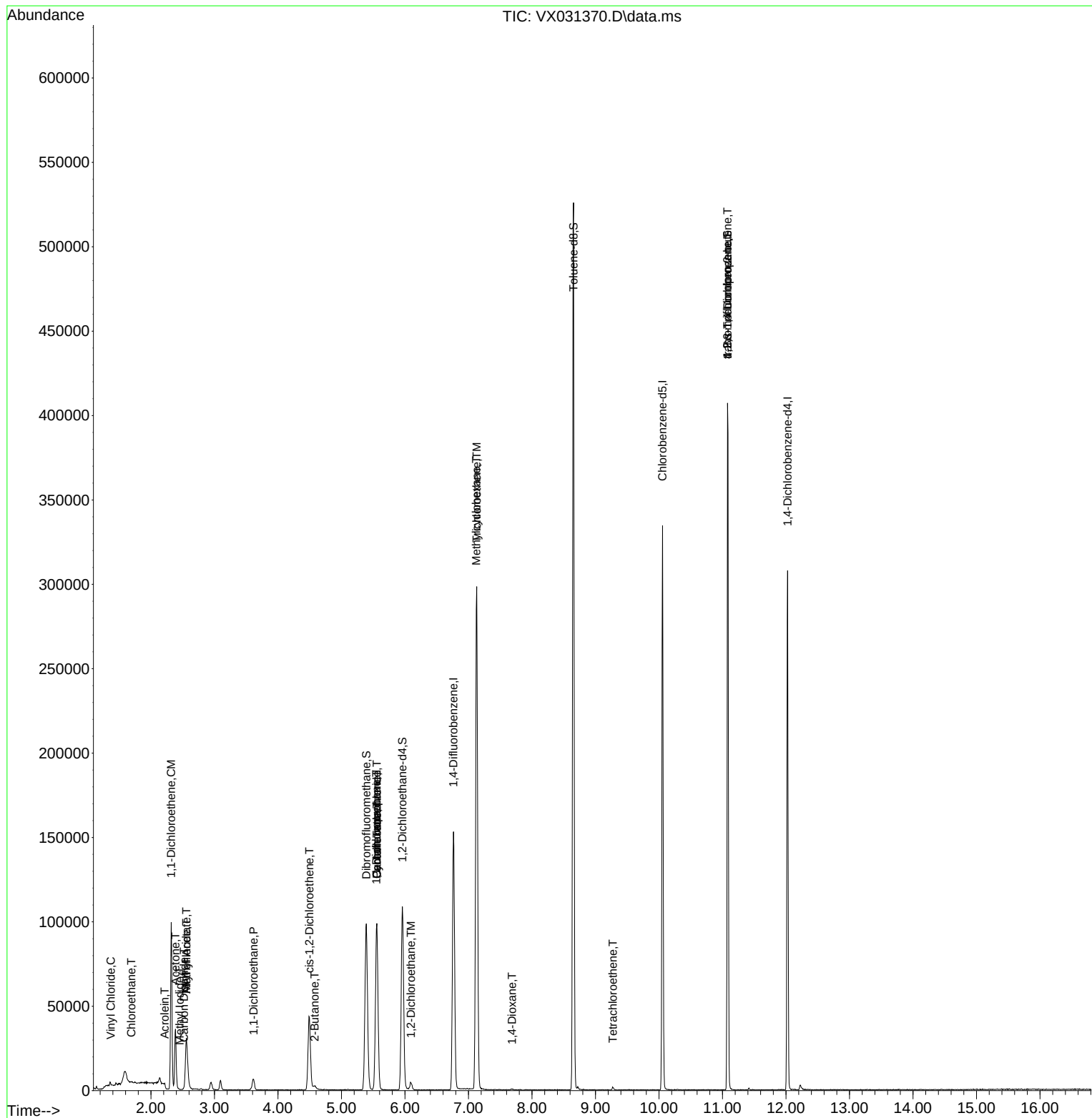
Internal Standards						
1) Pentafluorobenzene	5.556	168	91524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	152800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96827	43.101	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.200%		
35) Dibromofluoromethane	5.391	113	81101	49.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.760%		
50) Toluene-d8	8.653	98	307025	49.832	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.660%		
62) 4-Bromofluorobenzene	11.079	95	95965	42.534	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.060%		
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	179	Below Cal		89
4) Vinyl Chloride	1.368	62	364	0.228 ug/l #		17
6) Chloroethane	1.691	64	619	0.509 ug/l #		65
10) Methyl Iodide	2.453	142	20	0.922 ug/l #		38
11) Tert butyl alcohol	2.941	59	2440	Below Cal #		73
12) 1,1-Dichloroethene	2.319	96	30449	23.829 ug/l		93
13) Acrolein	2.215	56	167	0.644 ug/l #		1
14) Allyl chloride	2.557	41	4243	1.503 ug/l #		61
16) Acetone	2.386	43	39025	40.692 ug/l		99
17) Carbon Disulfide	2.520	76	1081	1.227 ug/l #		75
18) Methyl Acetate	2.557	43	11551	4.062 ug/l #		52
20) Methylene Chloride	2.782	84	202	Below Cal #		66
24) 1,1-Dichloroethane	3.617	63	6961	2.245 ug/l		99
25) 2-Butanone	4.574	43	417	0.264 ug/l #		49
27) cis-1,2-Dichloroethene	4.495	96	27043	14.368 ug/l		80
31) Cyclohexane	5.556	56	2404	0.996 ug/l #		29
36) 1,1-Dichloropropene	5.550	75	7248	3.224 ug/l #		50
38) Carbon Tetrachloride	5.556	117	9303	3.807 ug/l #		16
39) Methylcyclohexane	7.123	83	1498	0.605 ug/l #		1
42) 1,2-Dichloroethane	6.092	62	4473	1.718 ug/l		96
44) Trichloroethene	7.129	130	107742	65.458 ug/l		93
49) 1,4-Dioxane	7.684	88	459	9.970 ug/l #		86
64) Tetrachloroethene	9.275	164	271	0.213 ug/l #		63
76) 1,2,3-Trichloropropane	11.079	75	54680	36.036 ug/l #		36
81) trans-1,4-Dichloro-2-b...	11.079	75	54680	99.712 ug/l #		11

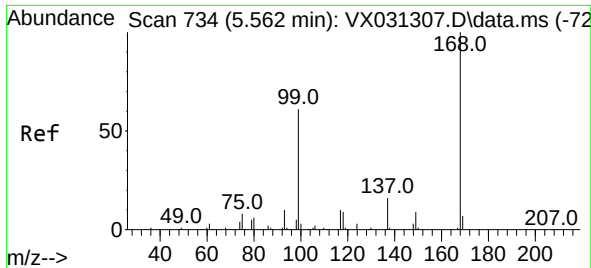
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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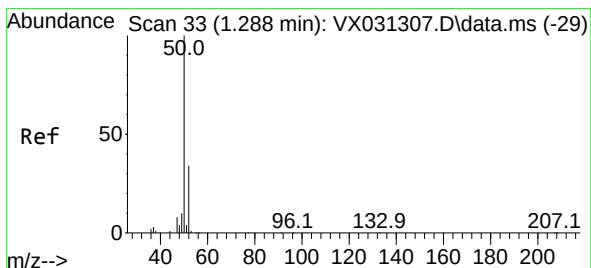
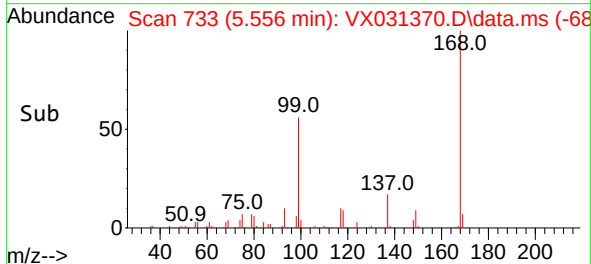
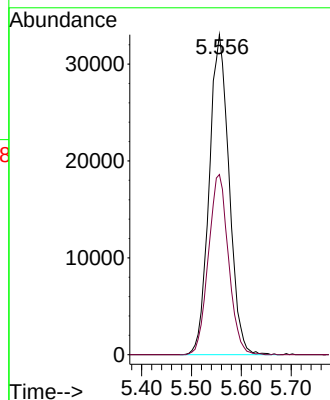
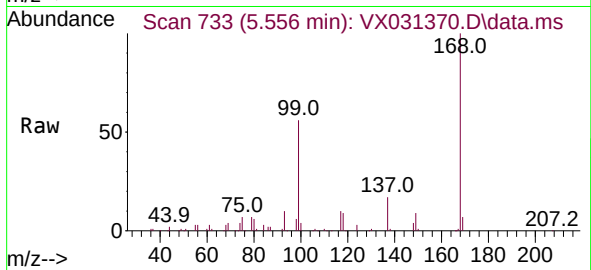




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

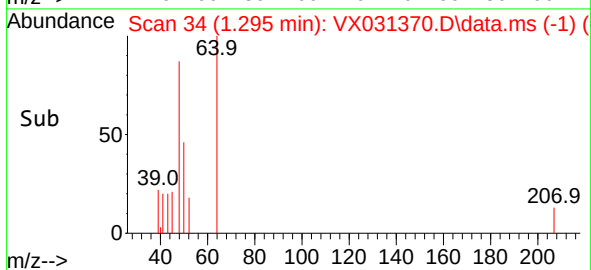
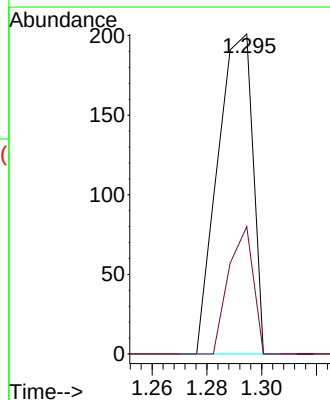
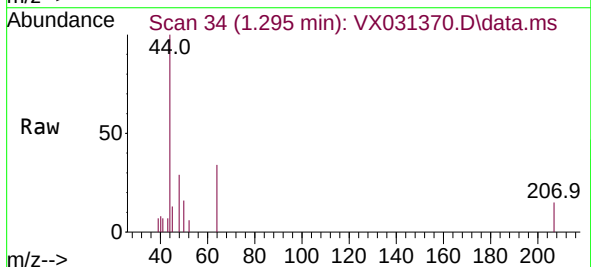
Instrument :
MSVOA_X
ClientSampleId :
BR-03-117-137-090222-H

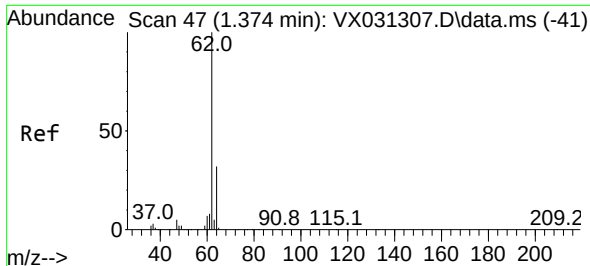
Tgt Ion:168 Resp: 91524
Ion Ratio Lower Upper
168 100
99 56.3 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Tgt Ion: 50 Resp: 179
Ion Ratio Lower Upper
50 100
52 39.8 26.9 40.3

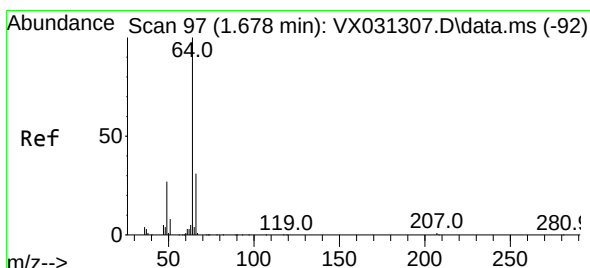
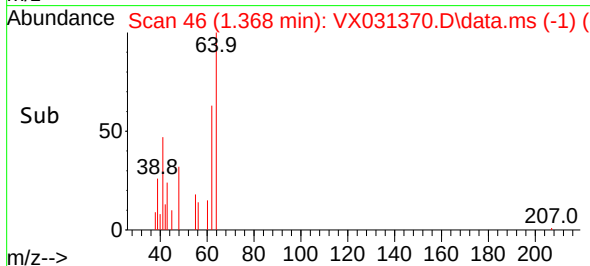
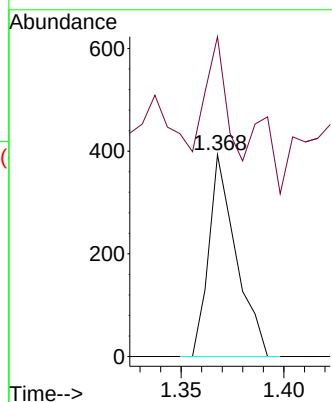
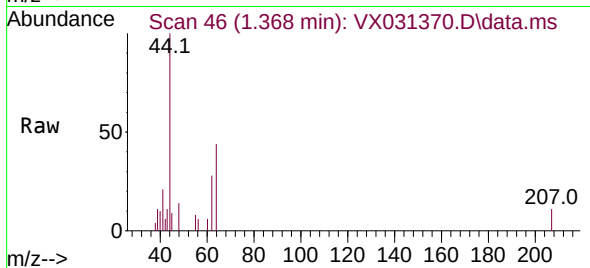




#4
 Vinyl Chloride
 Concen: 0.228 ug/l
 RT: 1.368 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX031370.D
 Acq: 15 Sep 2022 21:39

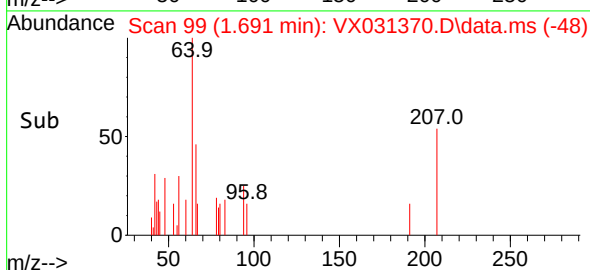
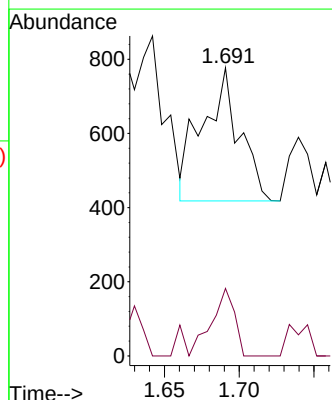
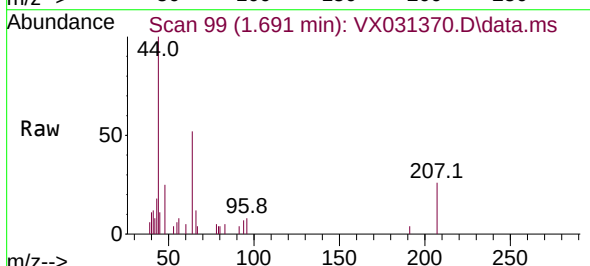
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-03-117-137-090222-H

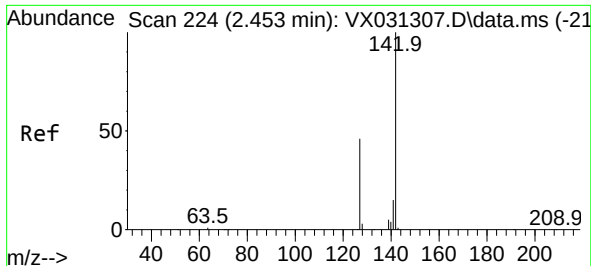
Tgt Ion: 62 Resp: 364
 Ion Ratio Lower Upper
 62 100
 64 77.9 25.3 37.9#



#6
 Chloroethane
 Concen: 0.509 ug/l
 RT: 1.691 min Scan# 99
 Delta R.T. 0.013 min
 Lab File: VX031370.D
 Acq: 15 Sep 2022 21:39

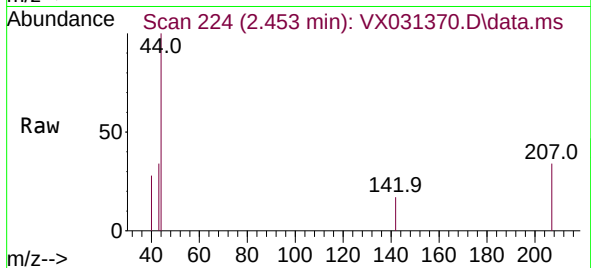
Tgt Ion: 64 Resp: 619
 Ion Ratio Lower Upper
 64 100
 66 50.7 25.0 37.4#



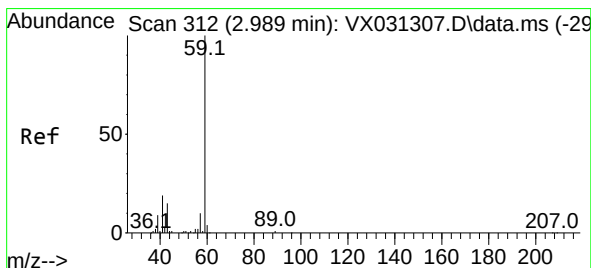
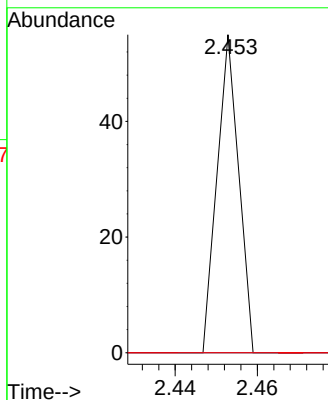
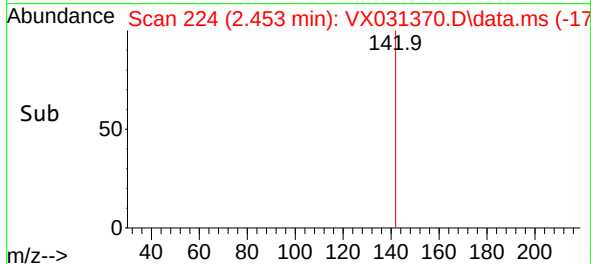


#10
Methyl Iodide
Concen: 0.922 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Instrument :
MSVOA_X
ClientSampleId :
BR-03-117-137-090222-H

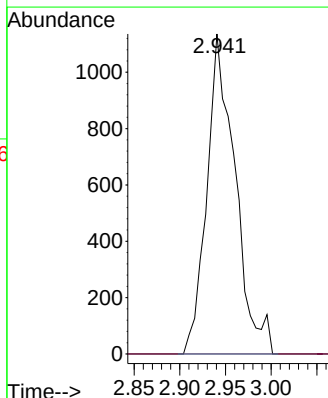
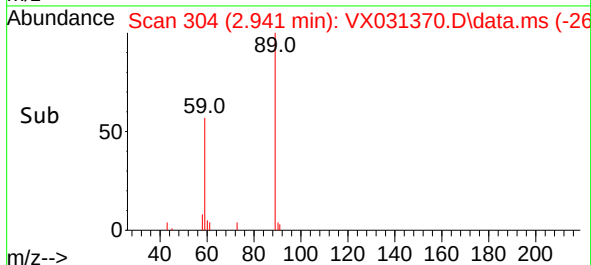
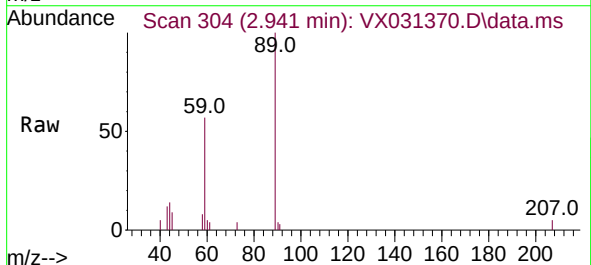


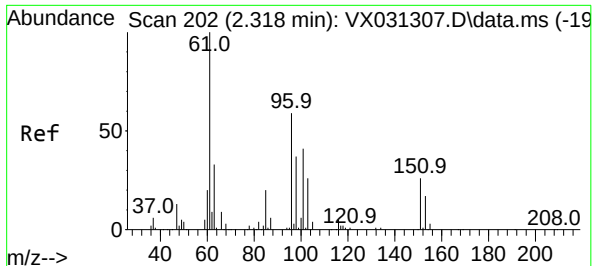
Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Tgt Ion: 59 Resp: 2440
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 23.829 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX031370.D

Acq: 15 Sep 2022 21:39

Instrument :

MSVOA_X

ClientSampleId :

BR-03-117-137-090222-H

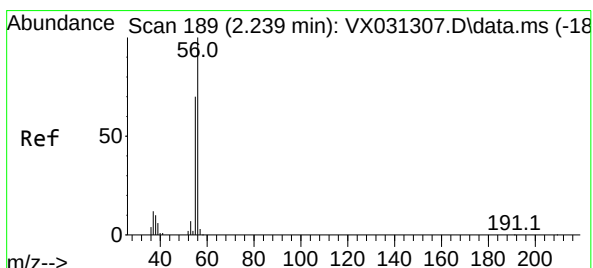
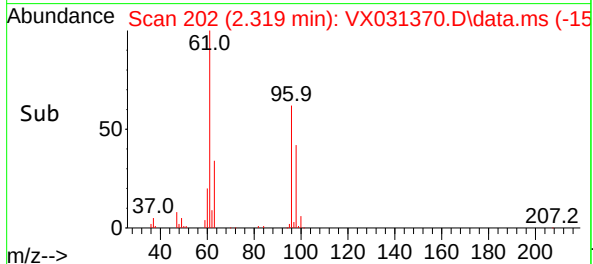
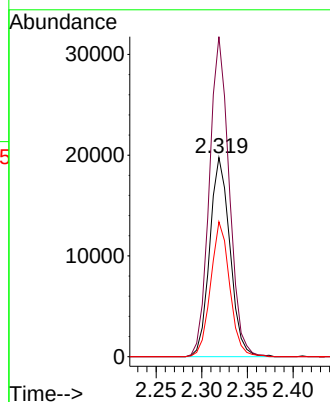
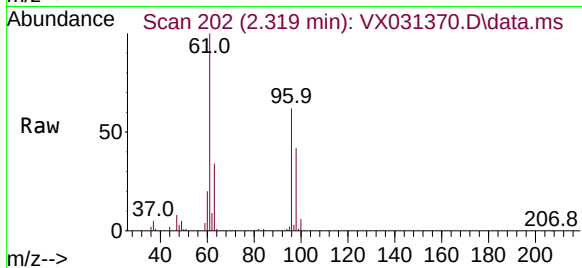
Tgt Ion: 96 Resp: 30449

Ion Ratio Lower Upper

96 100

61 160.6 135.3 202.9

98 67.7 49.4 74.2



#13

Acrolein

Concen: 0.644 ug/l

RT: 2.215 min Scan# 185

Delta R.T. -0.024 min

Lab File: VX031370.D

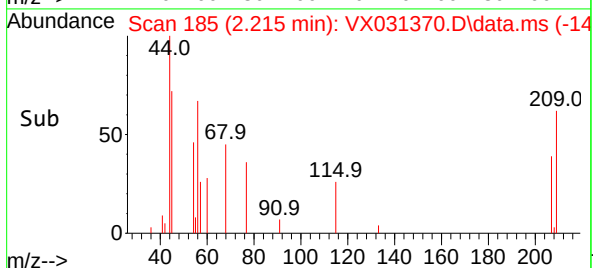
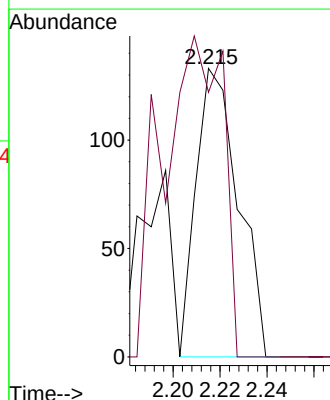
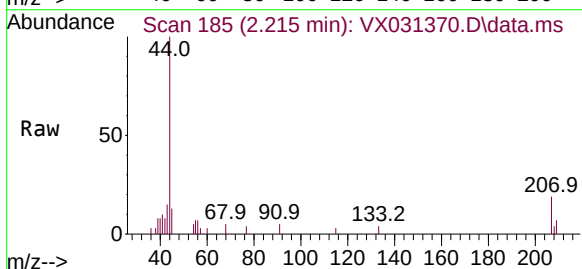
Acq: 15 Sep 2022 21:39

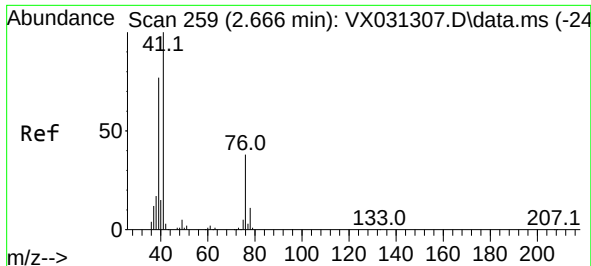
Tgt Ion: 56 Resp: 167

Ion Ratio Lower Upper

56 100

55 158.7 56.0 84.0#

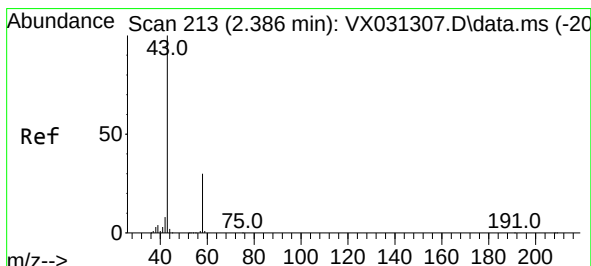
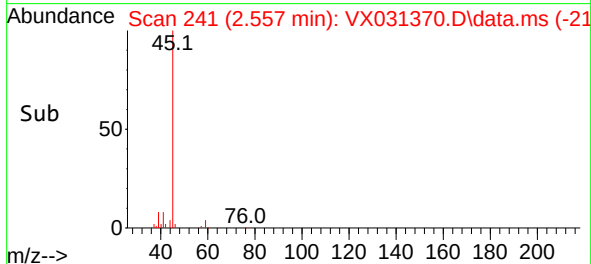
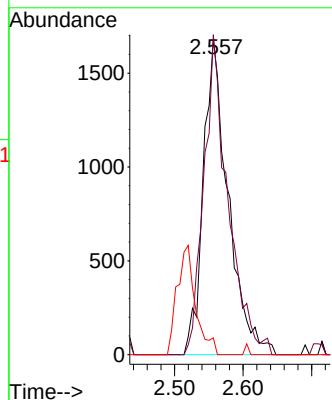
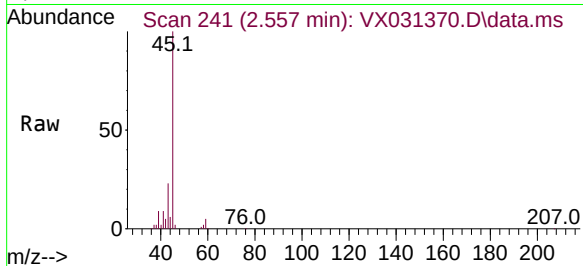




#14
 Allyl chloride
 Concen: 1.503 ug/l
 RT: 2.557 min Scan# 241
 Delta R.T. -0.109 min
 Lab File: VX031370.D
 Acq: 15 Sep 2022 21:39

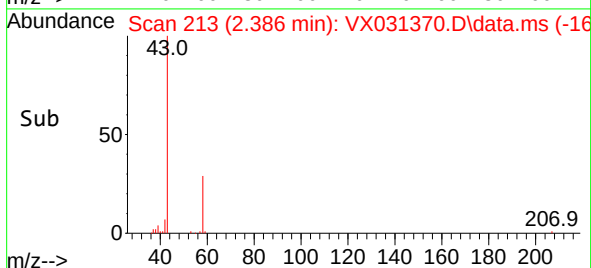
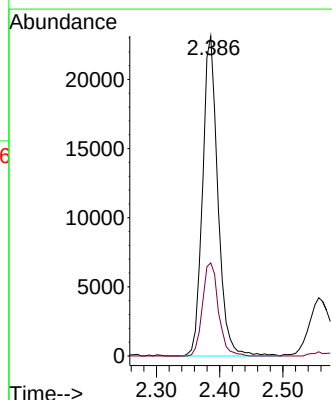
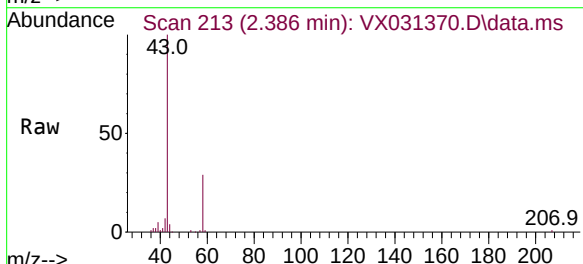
Instrument :
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 BR-03-117-137-090222-H

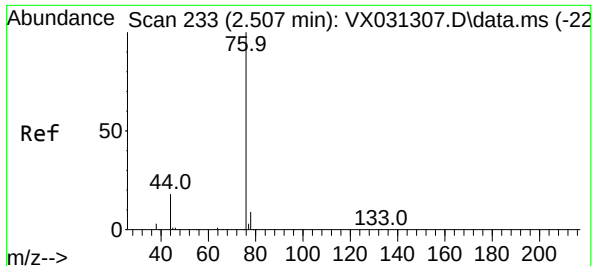
Tgt Ion: 41 Resp: 4243
 Ion Ratio Lower Upper
 41 100
 39 98.4 58.2 87.4#
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 40.692 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX031370.D
 Acq: 15 Sep 2022 21:39

Tgt Ion: 43 Resp: 39025
 Ion Ratio Lower Upper
 43 100
 58 29.1 23.8 35.8





#17

Carbon Disulfide

Concen: 1.227 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.013 min

Lab File: VX031370.D

Acq: 15 Sep 2022 21:39

Instrument :

MSVOA_X

ClientSampleId :

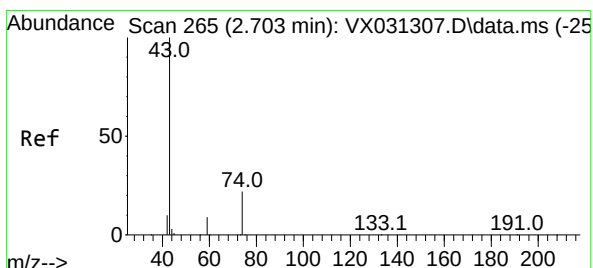
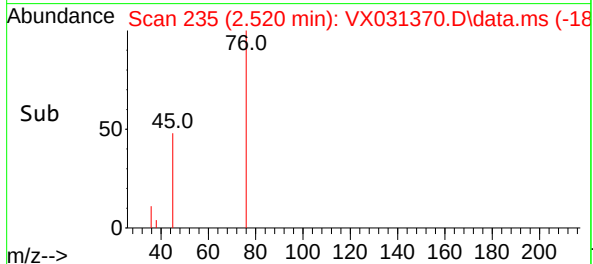
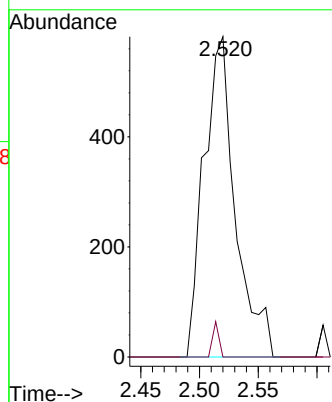
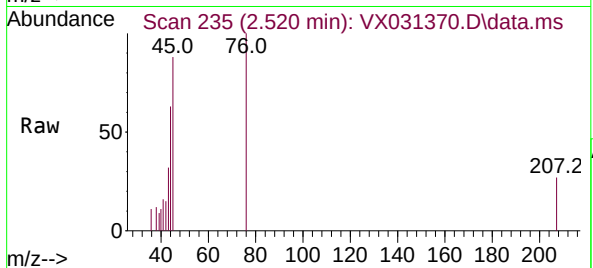
BR-03-117-137-090222-H

Tgt Ion: 76 Resp: 1081

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 4.062 ug/l

RT: 2.557 min Scan# 241

Delta R.T. -0.146 min

Lab File: VX031370.D

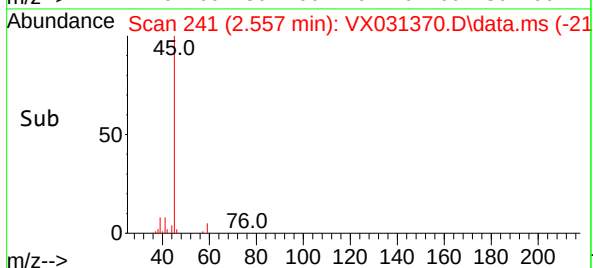
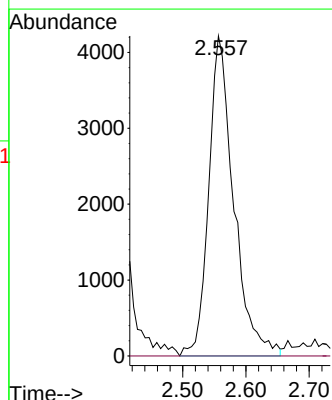
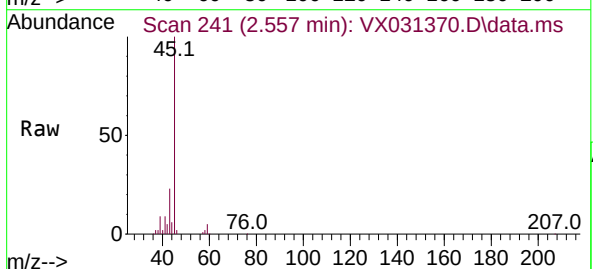
Acq: 15 Sep 2022 21:39

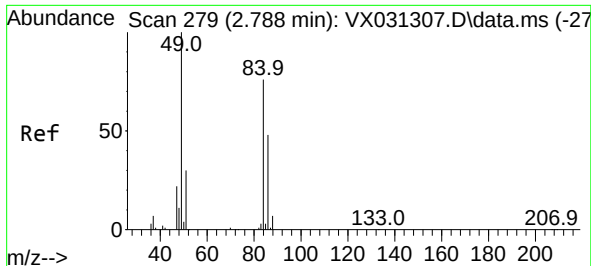
Tgt Ion: 43 Resp: 11551

Ion Ratio Lower Upper

43 100

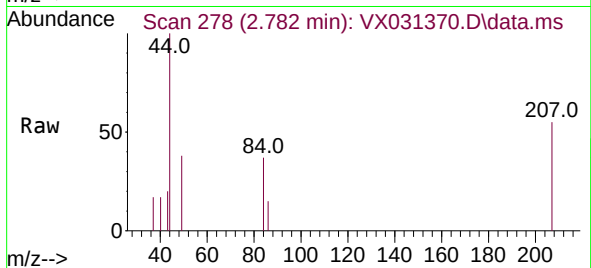
74 0.0 18.6 27.8#



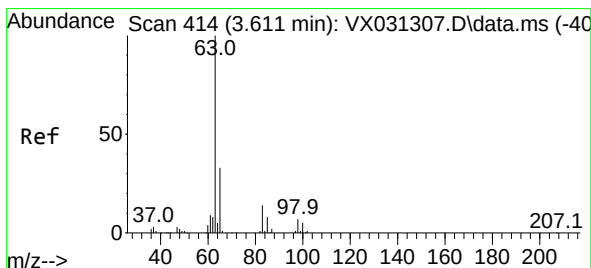
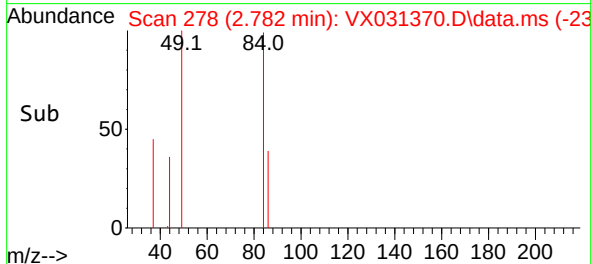
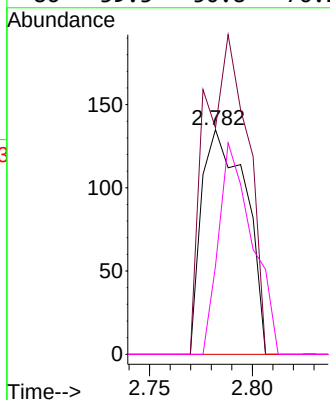


#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Instrument :
MSVOA_X
ClientSampleId :
BR-03-117-137-090222-H

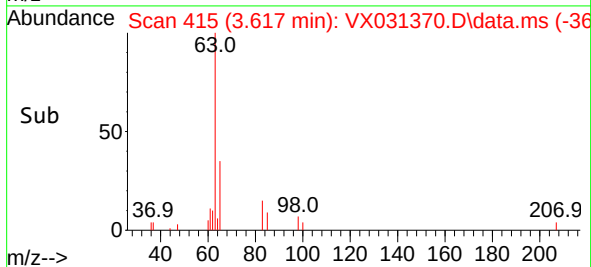
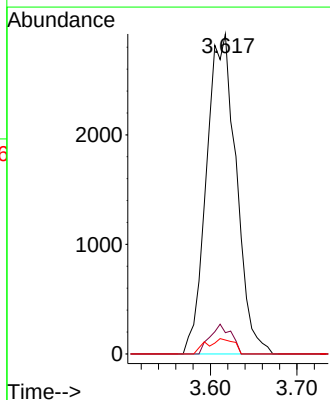
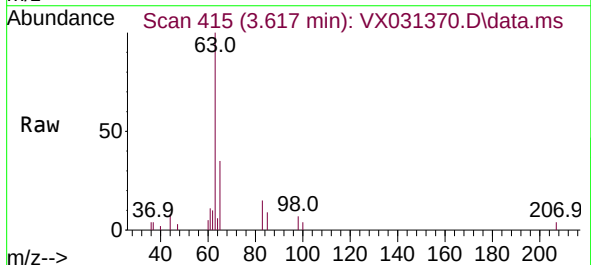


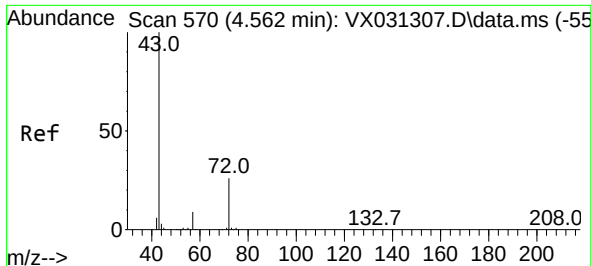
Tgt Ion: 84 Resp: 202
Ion Ratio Lower Upper
84 100
49 100.7 105.9 158.9#
51 0.0 32.2 48.2#
86 39.3 50.8 76.2#



#24
1,1-Dichloroethane
Concen: 2.245 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Tgt Ion: 63 Resp: 6961
Ion Ratio Lower Upper
63 100
98 6.6 3.5 10.4
100 4.3 2.4 7.2

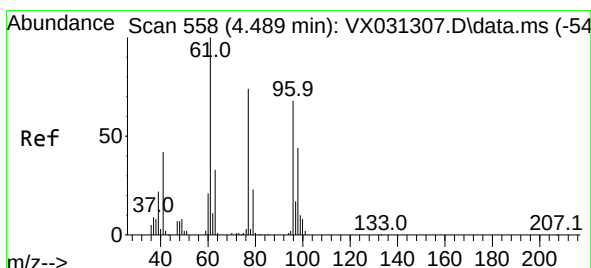
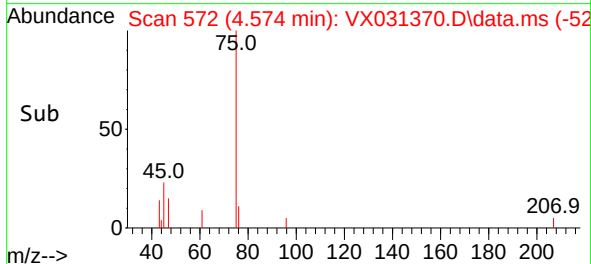
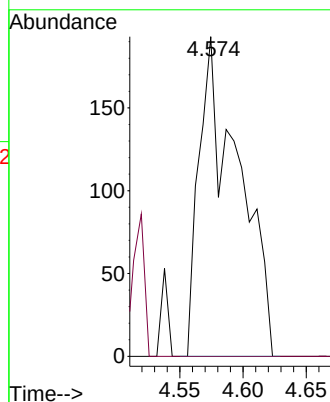
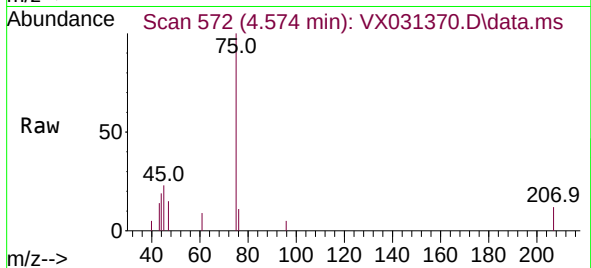




#25
2-Butanone
Concen: 0.264 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

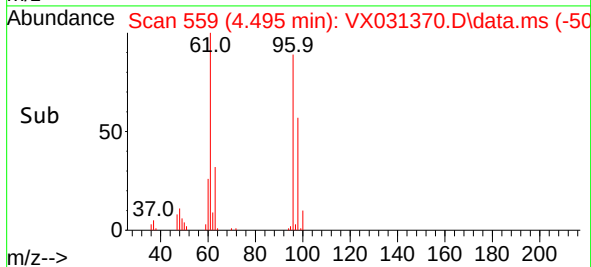
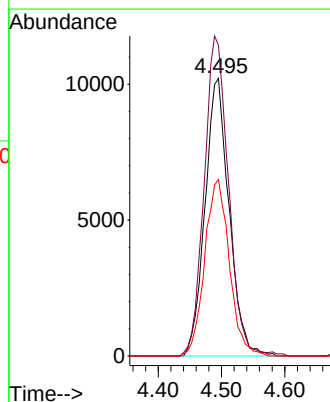
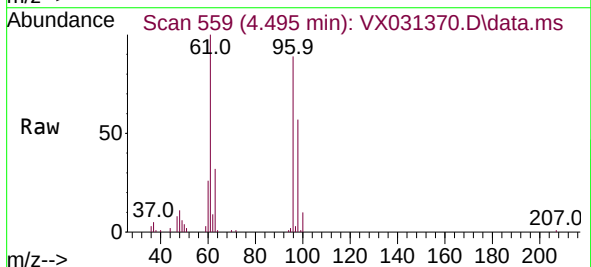
Instrument :
MSVOA_X
ClientSampleId :
BR-03-117-137-090222-H

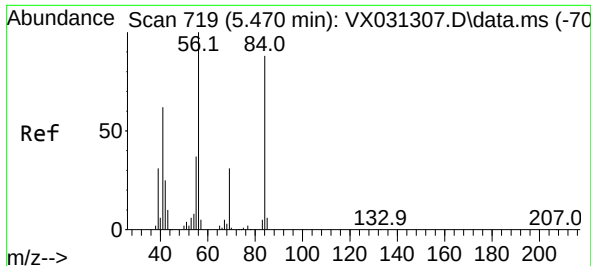
Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#27
cis-1,2-Dichloroethene
Concen: 14.368 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Tgt Ion: 96 Resp: 27043
Ion Ratio Lower Upper
96 100
61 116.4 0.0 305.2
98 64.9 0.0 128.4

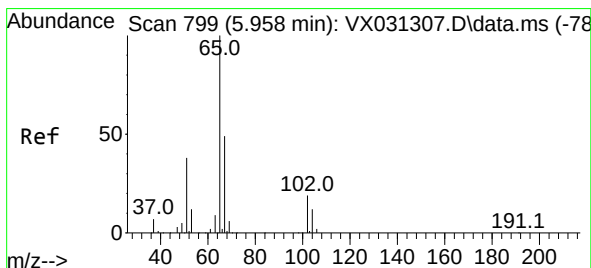
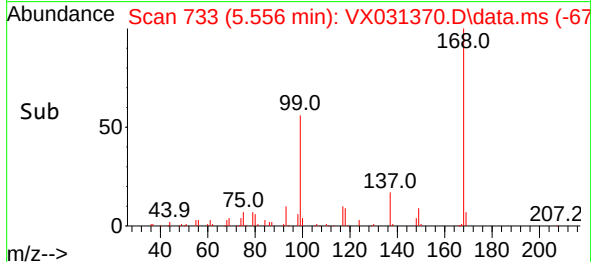
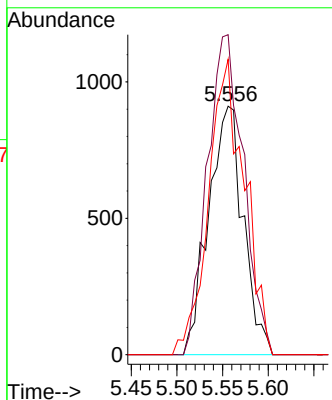
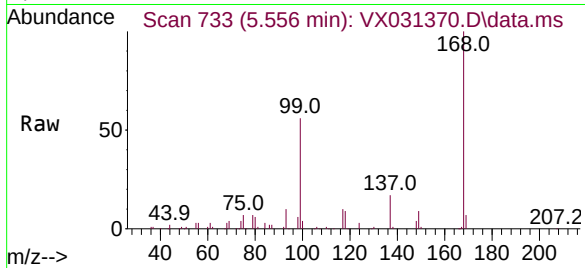




#31
Cyclohexane
Concen: 0.996 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

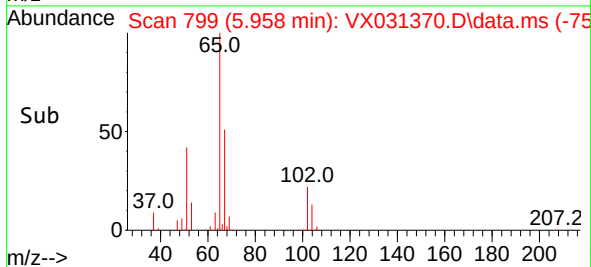
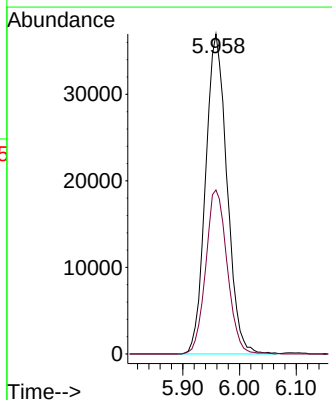
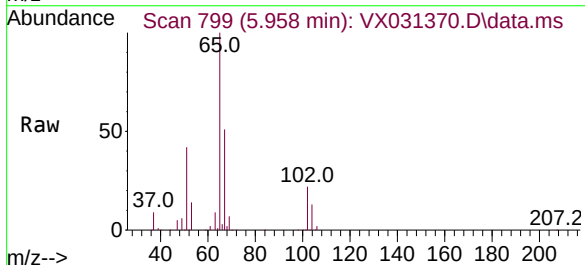
Instrument :
MSVOA_X
ClientSampleId :
BR-03-117-137-090222-H

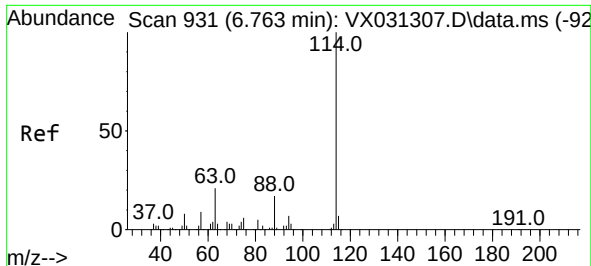
Tgt Ion: 56 Resp: 2404
Ion Ratio Lower Upper
56 100
69 128.8 25.1 37.7#
84 118.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 43.101 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Tgt Ion: 65 Resp: 96827
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4

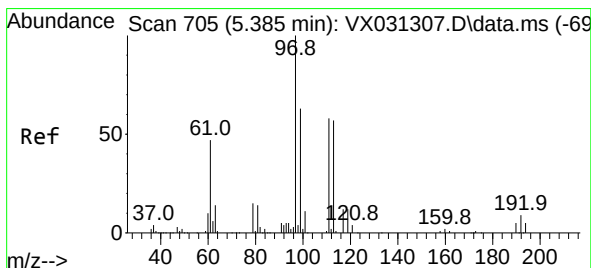
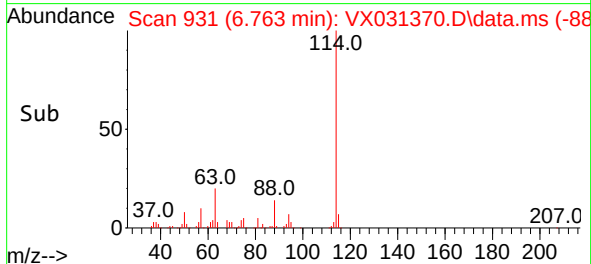
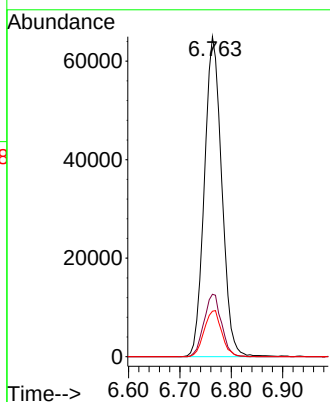
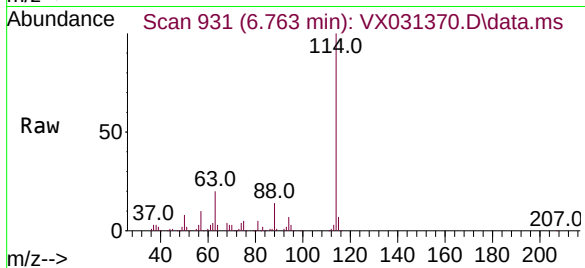




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

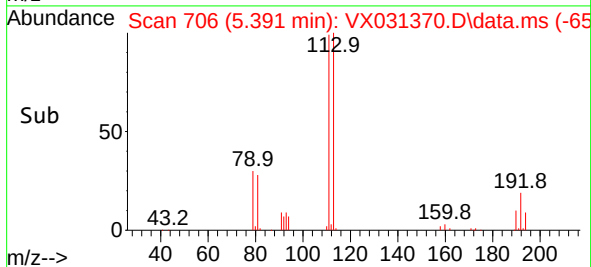
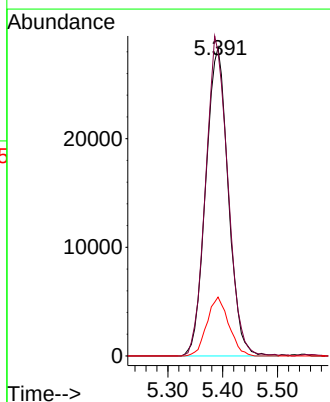
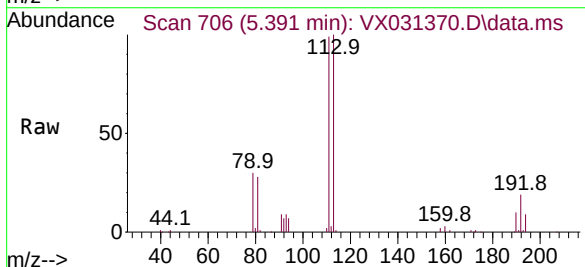
Instrument :
MSVOA_X
ClientSampleId :
BR-03-117-137-090222-H

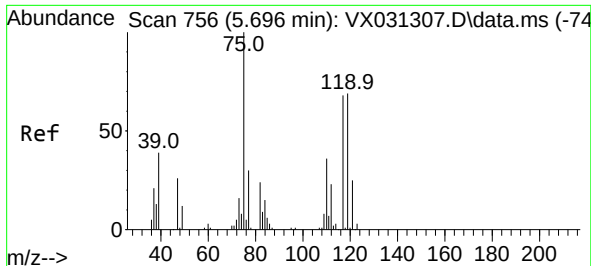
Tgt Ion:114 Resp: 152800
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.6
88 14.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.377 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Tgt Ion:113 Resp: 81101
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 18.5 14.1 21.1

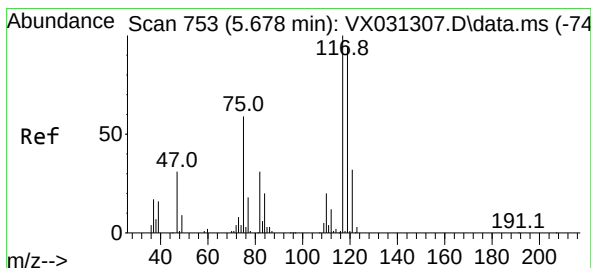
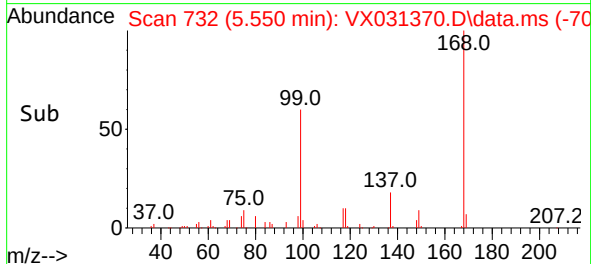
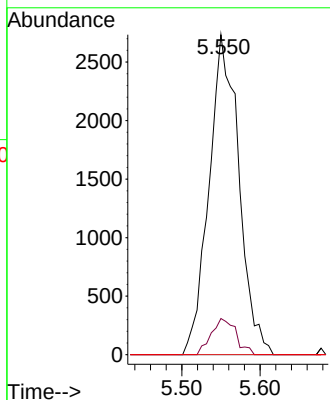
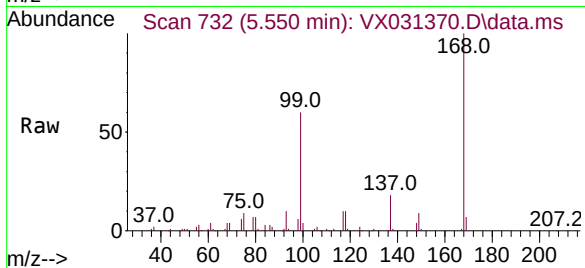




#36
1,1-Dichloropropene
Concen: 3.224 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

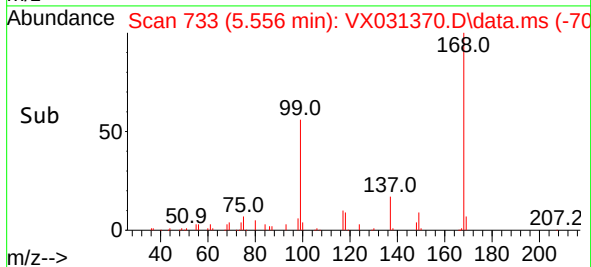
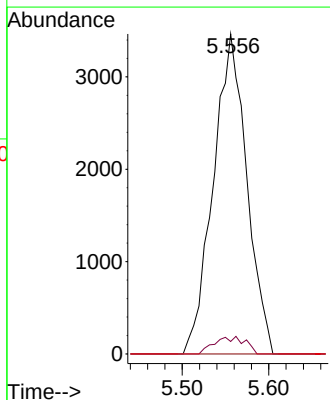
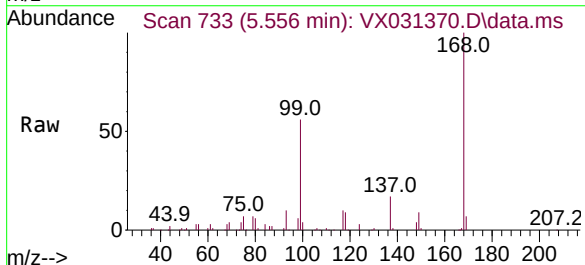
Instrument :
MSVOA_X
ClientSampleId :
BR-03-117-137-090222-H

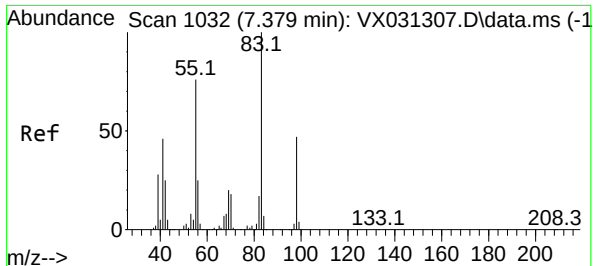
Tgt Ion: 75 Resp: 7248
Ion Ratio Lower Upper
75 100
110 9.4 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.807 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Tgt Ion: 117 Resp: 9303
Ion Ratio Lower Upper
117 100
119 3.9 74.6 112.0#
121 0.0 25.3 37.9#





#39

Methylcyclohexane

Concen: 0.605 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX031370.D

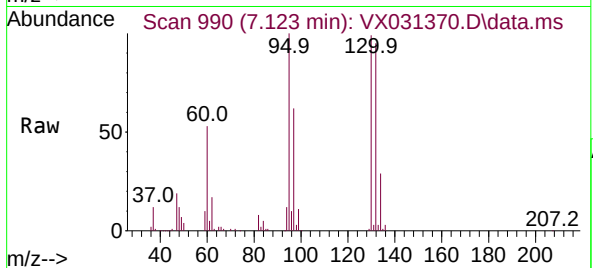
Acq: 15 Sep 2022 21:39

Instrument :

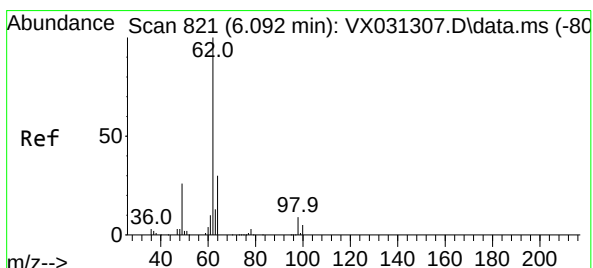
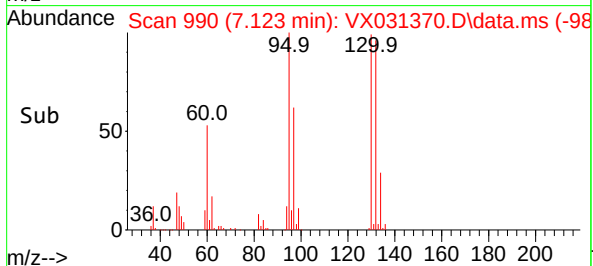
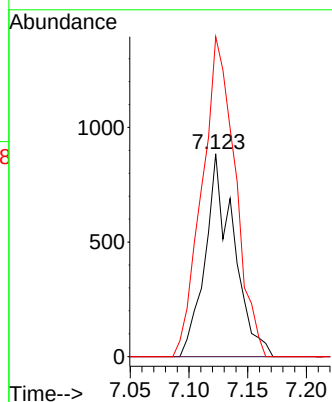
MSVOA_X

ClientSampleId :

BR-03-117-137-090222-H



Tgt Ion:	83	Resp:	1498
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.0	91.4#
98	157.7	37.7	56.5#



#42

1,2-Dichloroethane

Concen: 1.718 ug/l

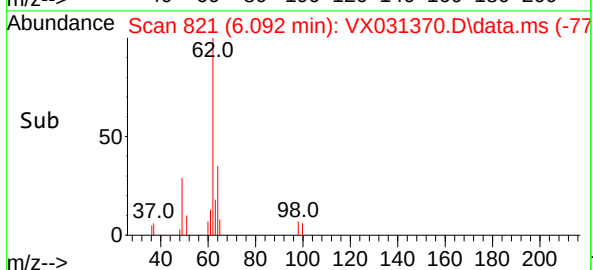
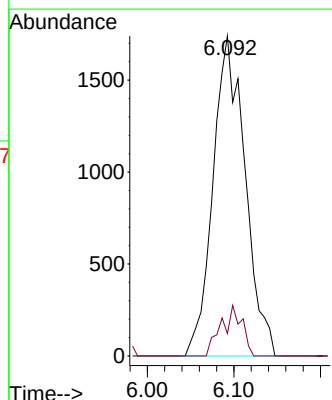
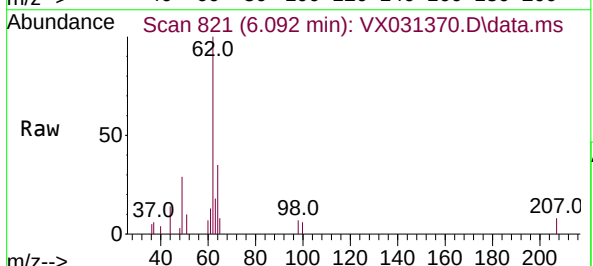
RT: 6.092 min Scan# 821

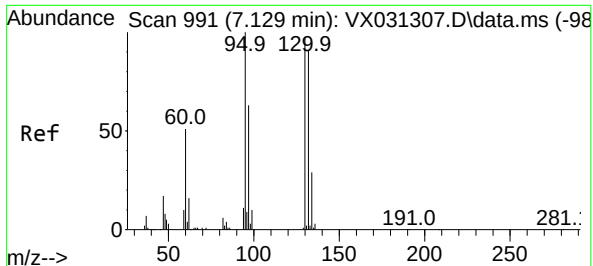
Delta R.T. 0.000 min

Lab File: VX031370.D

Acq: 15 Sep 2022 21:39

Tgt Ion:	62	Resp:	4473
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	17.8

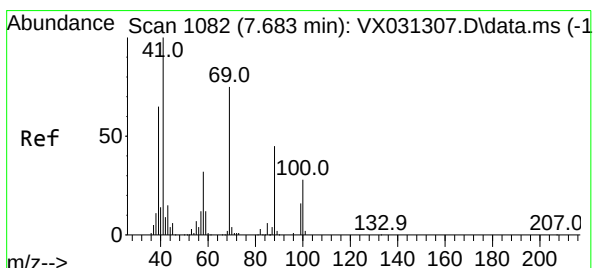
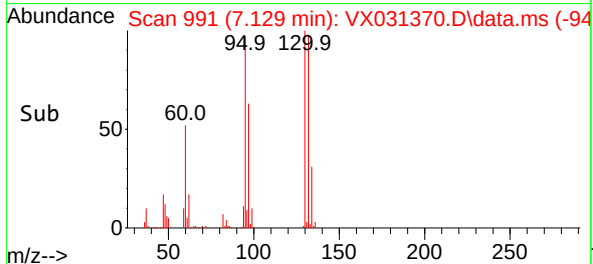
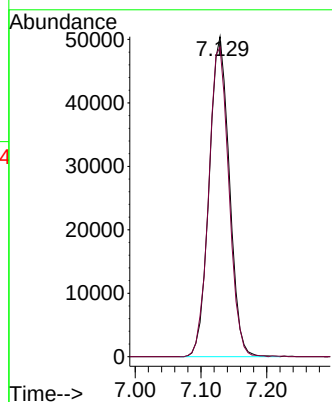
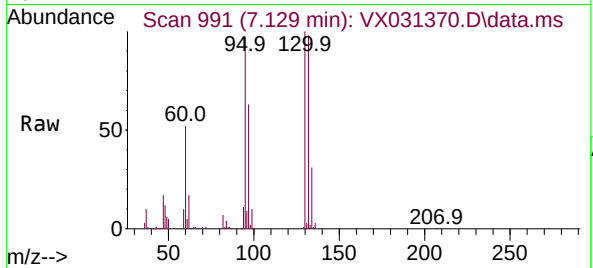




#44
Trichloroethene
Concen: 65.458 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

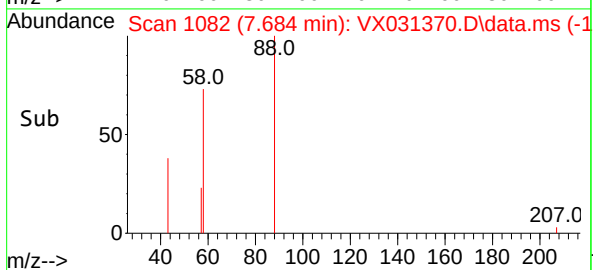
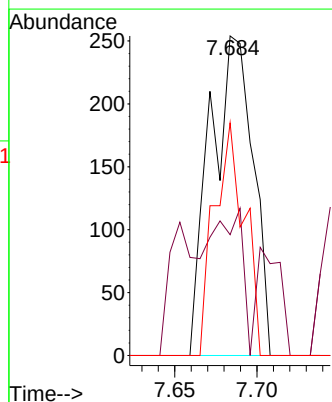
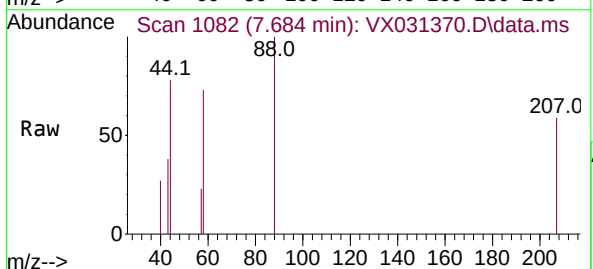
Instrument :
MSVOA_X
ClientSampleId :
BR-03-117-137-090222-H

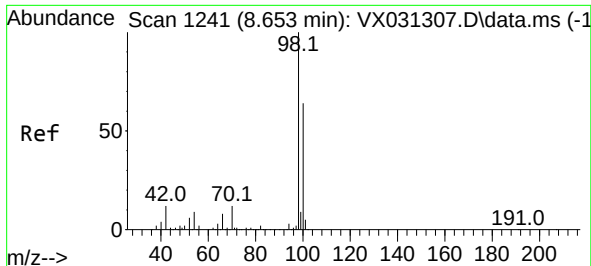
Tgt Ion:130 Resp: 107742
Ion Ratio Lower Upper
130 100
95 96.7 0.0 206.8



#49
1,4-Dioxane
Concen: 9.970 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.000 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Tgt Ion: 88 Resp: 459
Ion Ratio Lower Upper
88 100
43 32.9 27.1 40.7
58 51.2 53.9 80.9#

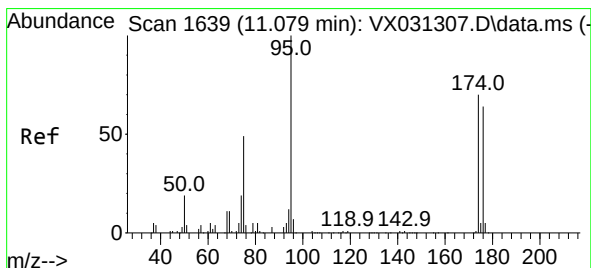
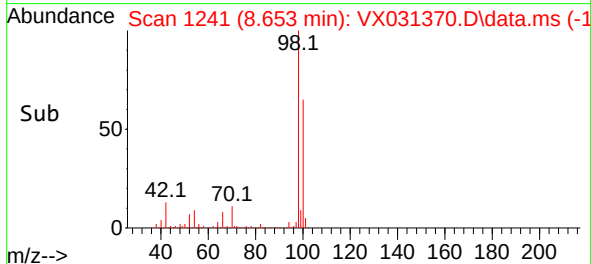
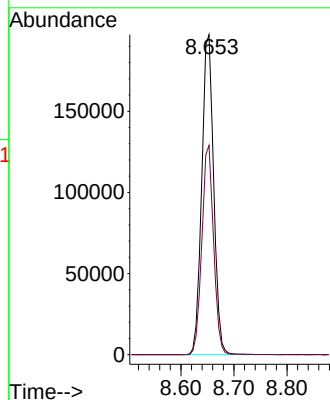
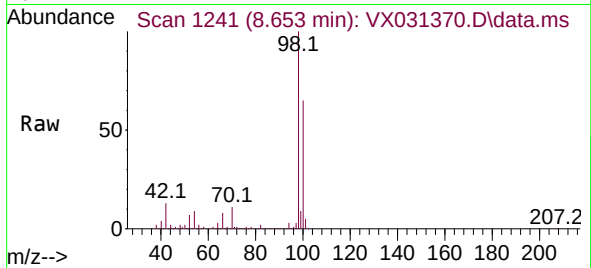




#50
Toluene-d8
Concen: 49.832 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

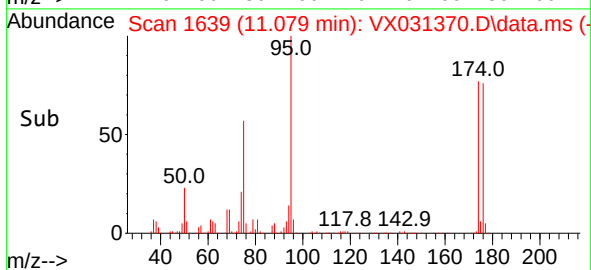
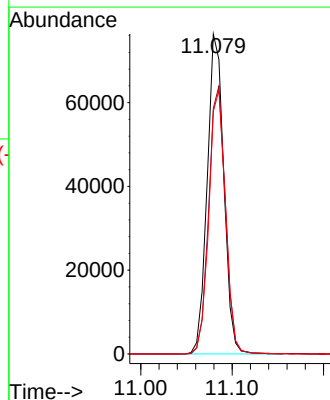
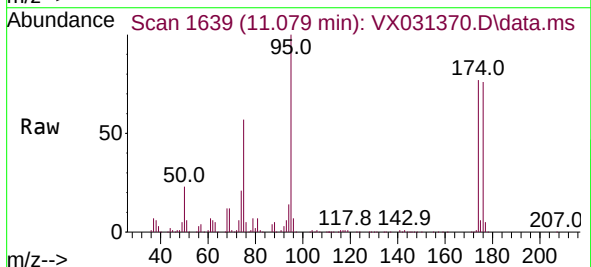
Instrument :
MSVOA_X
ClientSampleId :
BR-03-117-137-090222-H

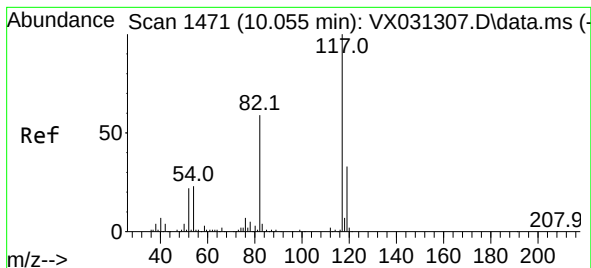
Tgt Ion: 98 Resp: 307025
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 42.534 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031370.D
Acq: 15 Sep 2022 21:39

Tgt Ion: 95 Resp: 95965
Ion Ratio Lower Upper
95 100
174 84.6 0.0 153.2
176 82.8 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: VX031370.D

Acq: 15 Sep 2022 21:39

Instrument :

MSVOA_X

ClientSampleId :

BR-03-117-137-090222-H

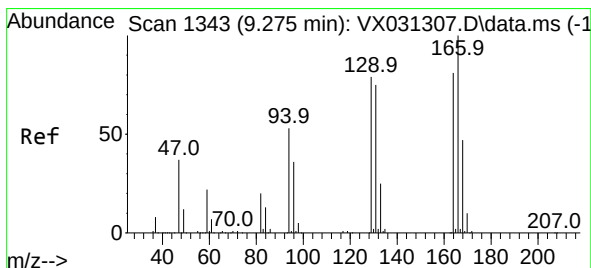
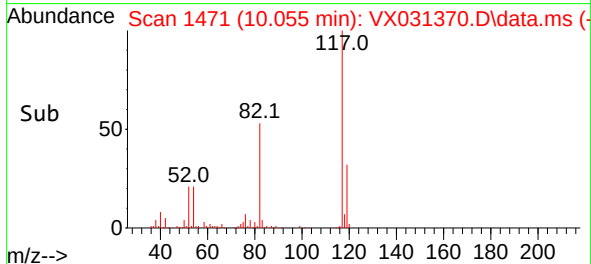
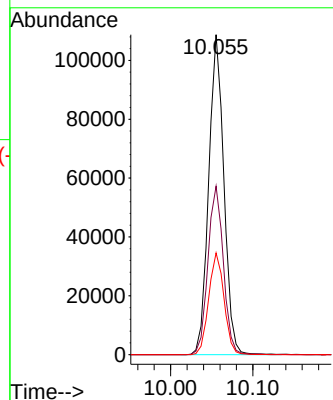
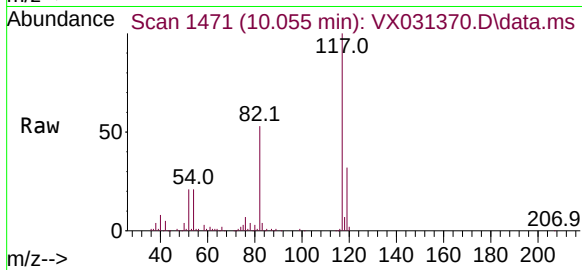
Tgt Ion:117 Resp: 139297

Ion Ratio Lower Upper

117 100

82 52.7 46.8 70.2

119 31.8 26.4 39.6



#64

Tetrachloroethene

Concen: 0.213 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX031370.D

Acq: 15 Sep 2022 21:39

Tgt Ion:164 Resp: 271

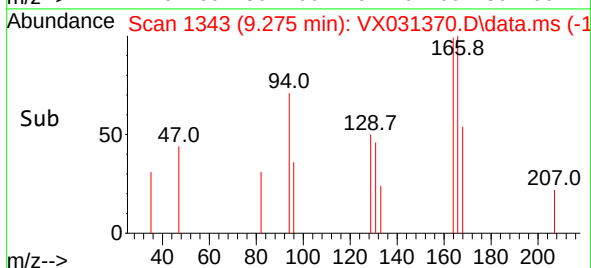
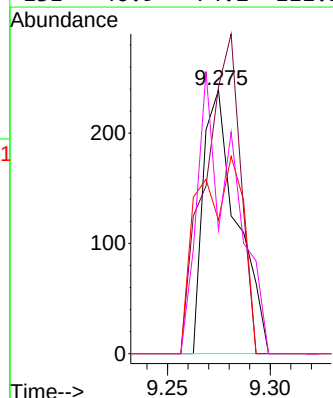
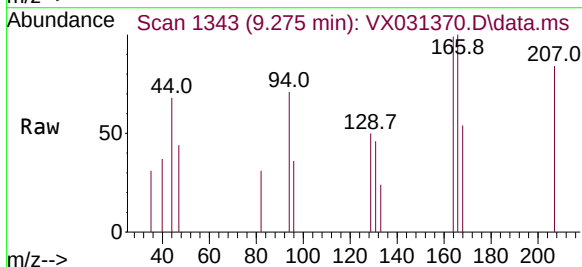
Ion Ratio Lower Upper

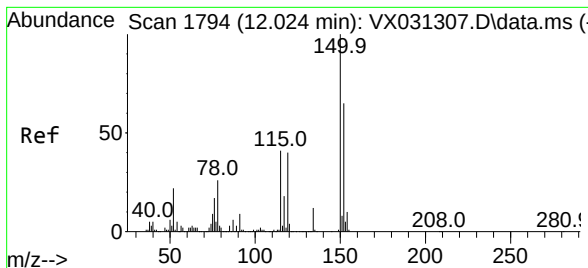
164 100

166 101.3 99.0 148.4

129 50.6 78.0 117.0#

131 46.9 74.2 111.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031370.D

Acq: 15 Sep 2022 21:39

Instrument :

MSVOA_X

ClientSampleId :

BR-03-117-137-090222-H

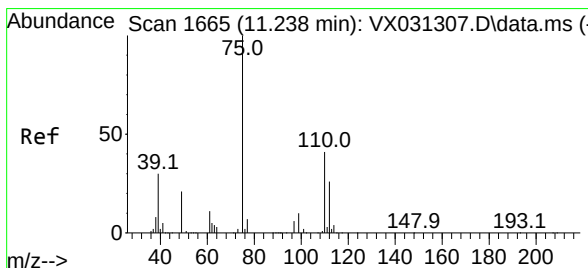
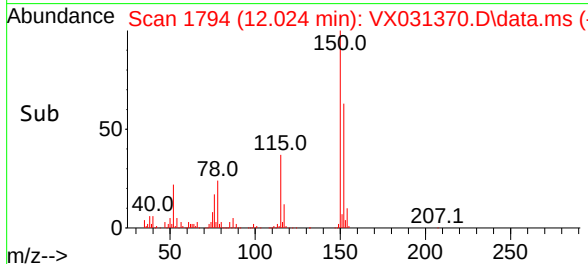
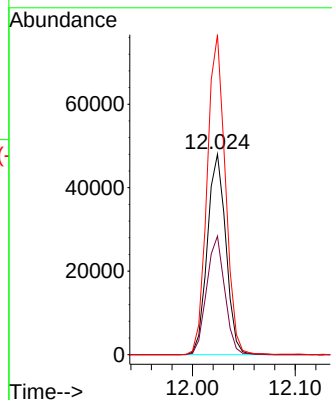
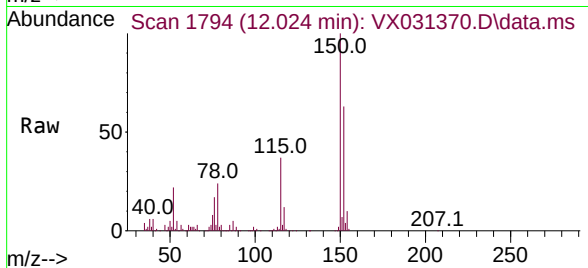
Tgt Ion:152 Resp: 60213

Ion Ratio Lower Upper

152 100

115 58.0 43.4 130.1

150 156.8 0.0 346.8



#76

1,2,3-Trichloropropane

Concen: 36.036 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX031370.D

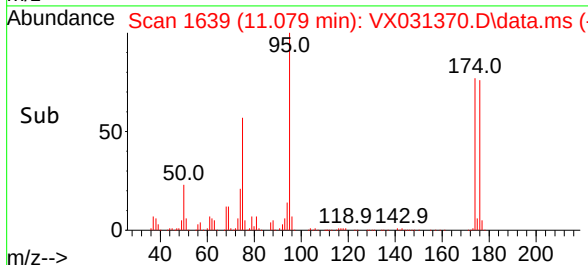
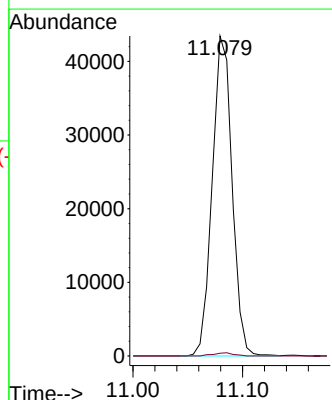
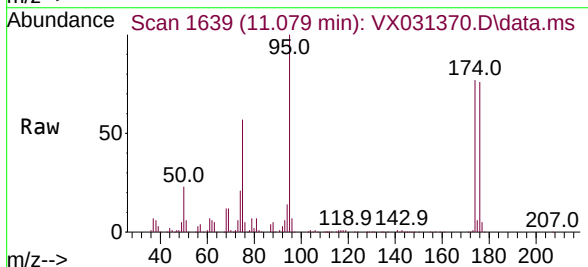
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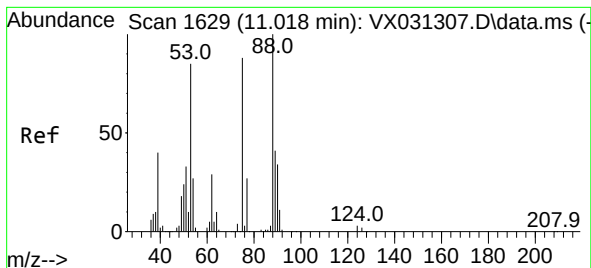
Tgt Ion: 75 Resp: 54680

Ion Ratio Lower Upper

75 100

77 1.0 20.3 60.9#





#81

trans-1,4-Dichloro-2-butene

Concen: 99.712 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX031370.D

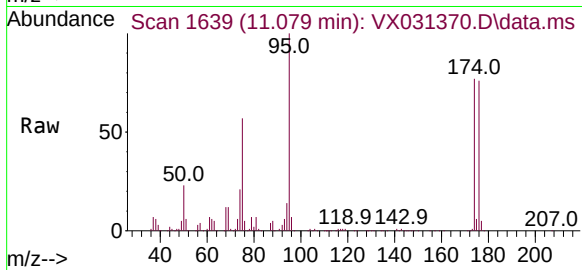
Acq: 15 Sep 2022 21:39

Instrument :

MSVOA_X

ClientSampleId :

BR-03-117-137-090222-H



Tgt Ion: 75 Resp: 54680

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.1 37.4 56.0#

