

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031371.D
 Acq On : 15 Sep 2022 22:03
 Operator : JC/MD
 Sample : N4508-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-090222

Quant Time: Sep 16 04:59:12 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)

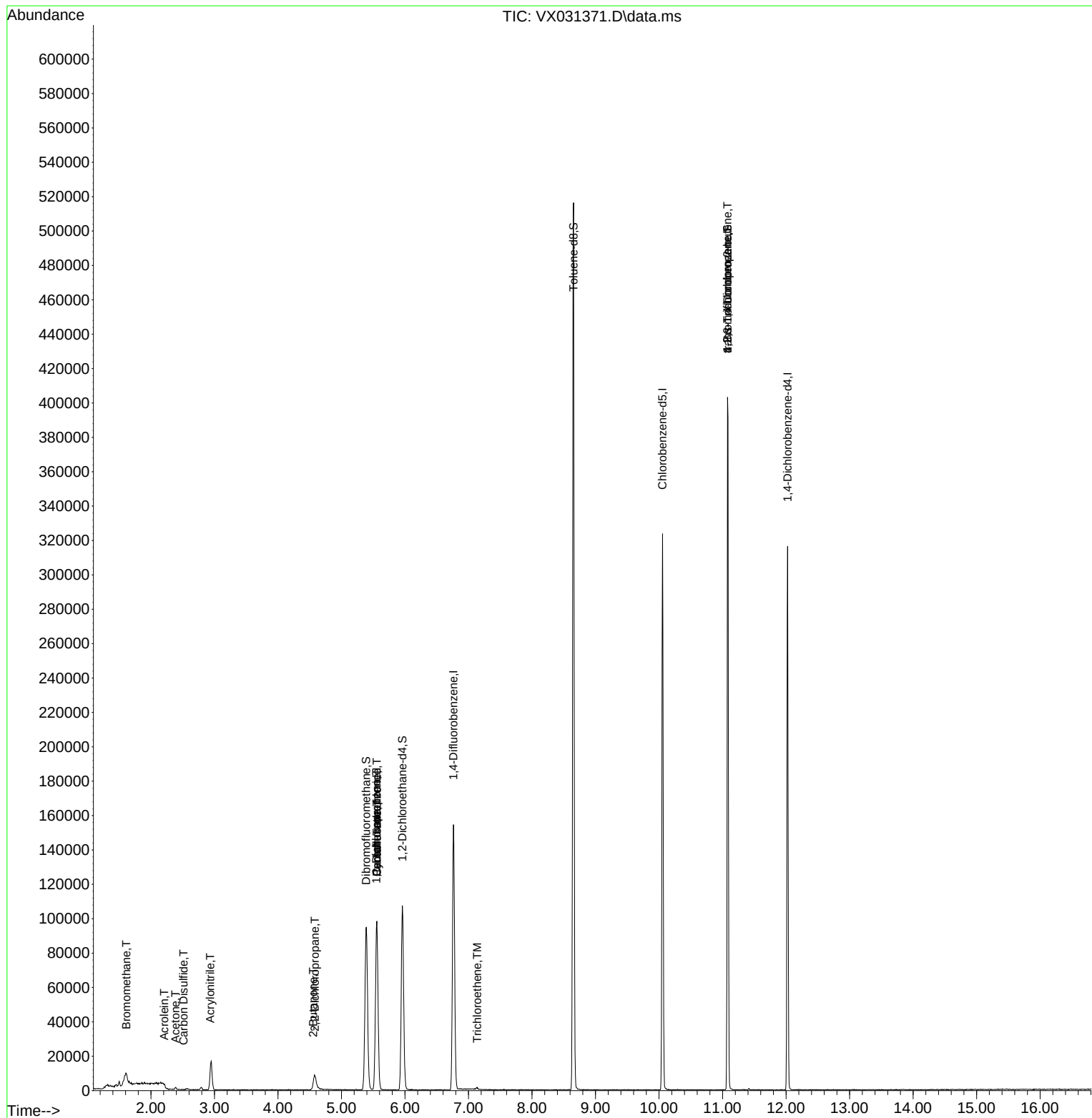
Internal Standards						
1) Pentafluorobenzene	5.556	168	92202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	154523	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95173	42.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.100%		
35) Dibromofluoromethane	5.385	113	77983	46.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.900%		
50) Toluene-d8	8.653	98	297352	47.724	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.440%		
62) 4-Bromofluorobenzene	11.079	95	93544	40.999	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.000%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	148	Below Cal	#	73
5) Bromomethane	1.611	94	388	0.321	ug/l	84
11) Tert butyl alcohol	2.946	59	9255	Below Cal	#	74
13) Acrolein	2.209	56	158	0.605	ug/l	# 15
15) Acrylonitrile	2.934	53	211	0.202	ug/l	# 17
16) Acetone	2.386	43	1473	1.525	ug/l	100
17) Carbon Disulfide	2.514	76	109	0.914	ug/l	# 75
20) Methylene Chloride	2.800	84	789	Below Cal	#	63
21) trans-1,2-Dichloroethene	3.117	96	26	Below Cal	#	1
25) 2-Butanone	4.556	43	323	0.203	ug/l	# 49
26) 2,2-Dichloropropane	4.580	77	776	0.262	ug/l	# 54
31) Cyclohexane	5.556	56	2413	0.992	ug/l	# 25
36) 1,1-Dichloropropene	5.550	75	7515	3.306	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	9577	3.875	ug/l	# 17
44) Trichloroethene	7.135	130	345	0.207	ug/l	51
76) 1,2,3-Trichloropropane	11.079	75	53595	34.339	ug/l	# 36
81) trans-1,4-Dichloro-2-b...	11.079	75	53595	95.018	ug/l	# 11

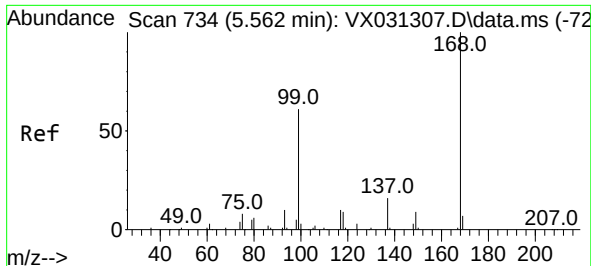
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX031371.D

Acq: 15 Sep 2022 22:03

Instrument :

MSVOA_X

ClientSampleId :

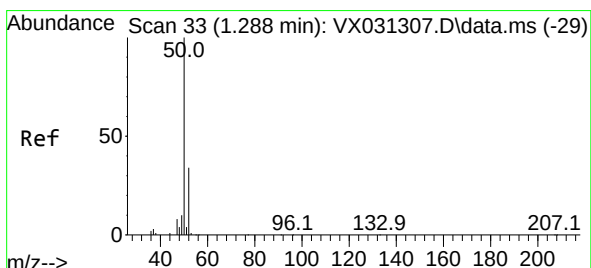
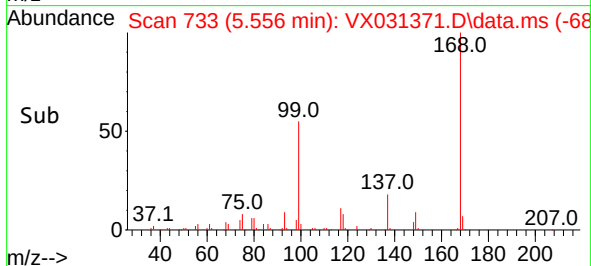
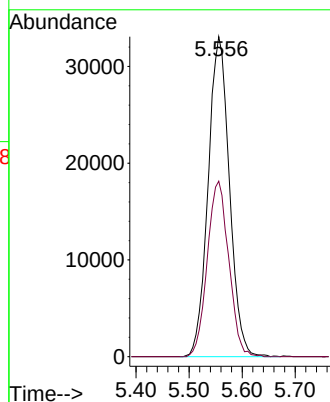
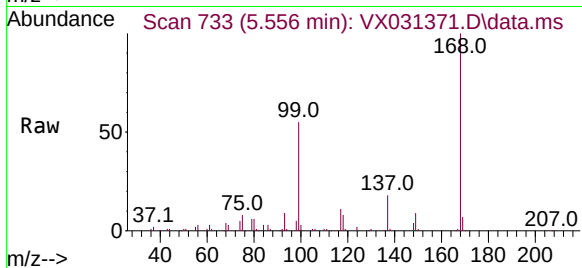
FB-090222

Tgt Ion:168 Resp: 92202

Ion Ratio Lower Upper

168 100

99 54.9 48.8 73.2



#3

Chloromethane

Concen: Below Cal

RT: 1.288 min Scan# 33

Delta R.T. 0.000 min

Lab File: VX031371.D

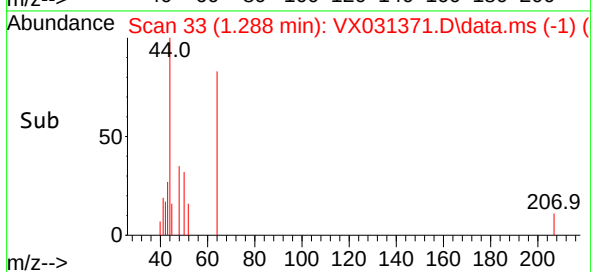
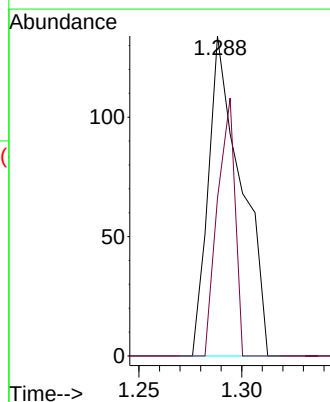
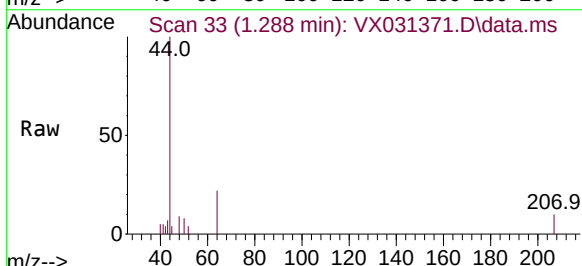
Acq: 15 Sep 2022 22:03

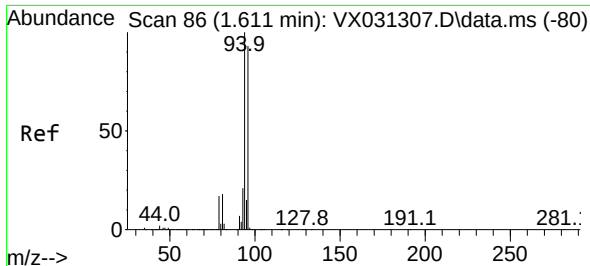
Tgt Ion: 50 Resp: 148

Ion Ratio Lower Upper

50 100

52 49.3 26.9 40.3#

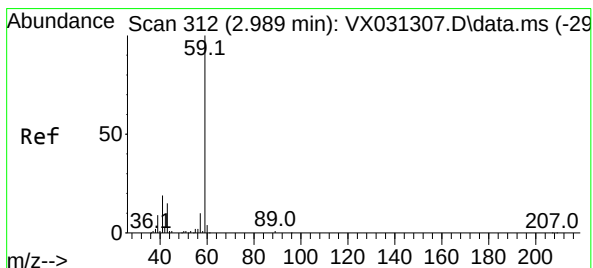
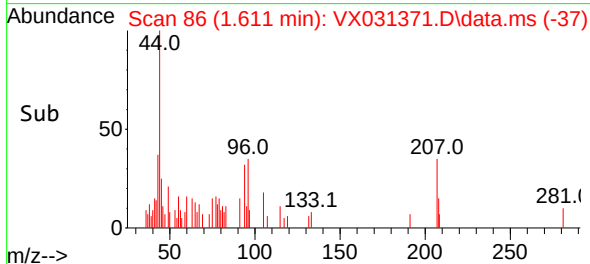
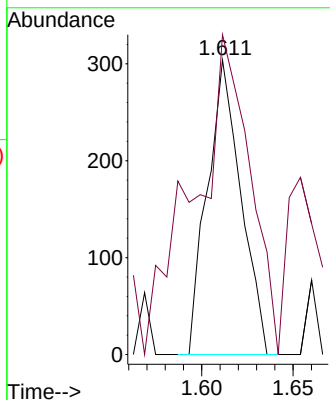
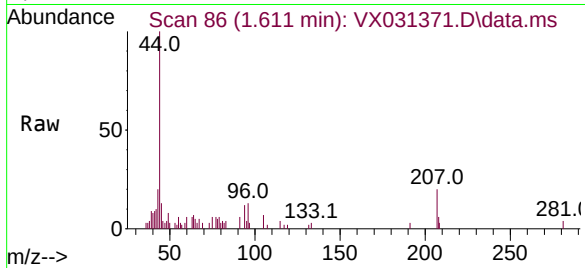




#5
Bromomethane
Concen: 0.321 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

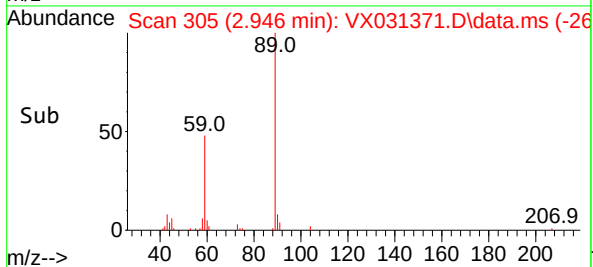
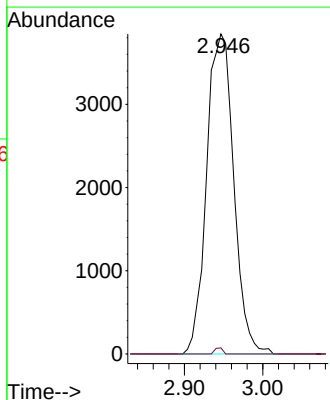
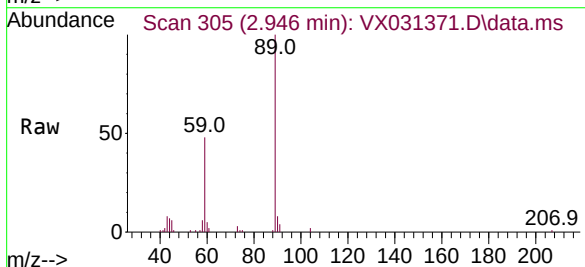
Instrument :
MSVOA_X
ClientSampleId :
FB-090222

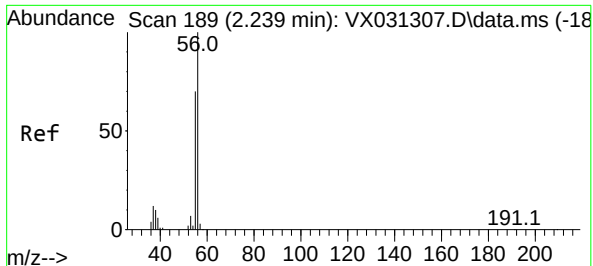
Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 108.6 74.4 111.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

Tgt Ion: 59 Resp: 9255
Ion Ratio Lower Upper
59 100
57 0.6 8.2 12.2#





#13

Acrolein

Concen: 0.605 ug/l

RT: 2.209 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX031371.D

Acq: 15 Sep 2022 22:03

Instrument :

MSVOA_X

ClientSampleId :

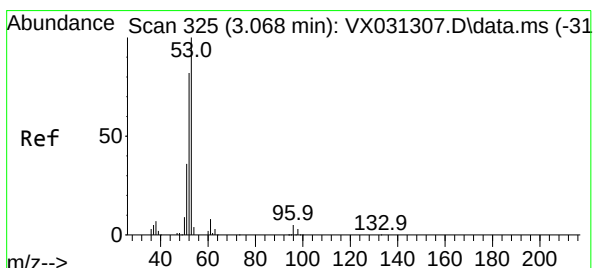
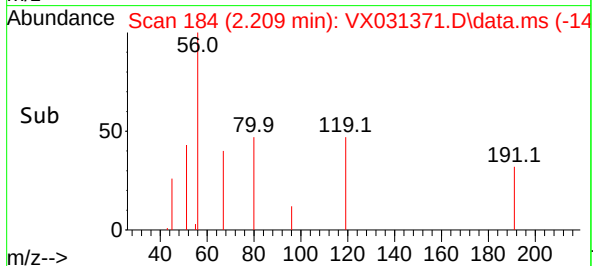
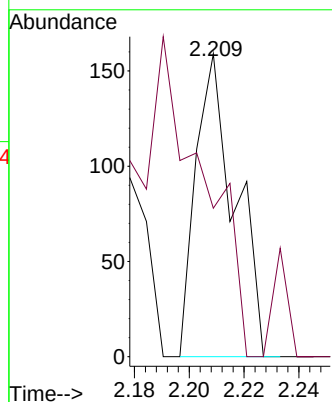
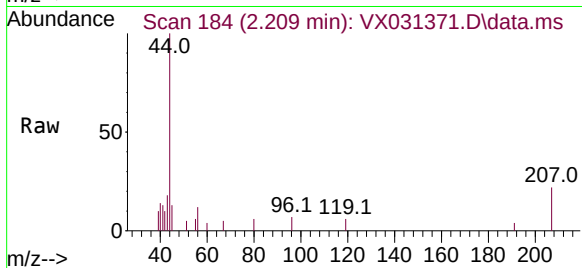
FB-090222

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#15

Acrylonitrile

Concen: 0.202 ug/l

RT: 2.934 min Scan# 303

Delta R.T. -0.134 min

Lab File: VX031371.D

Acq: 15 Sep 2022 22:03

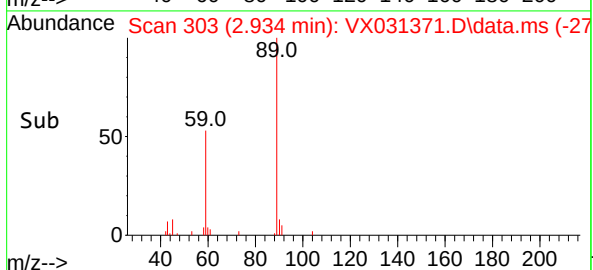
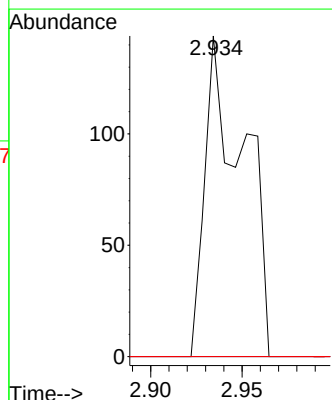
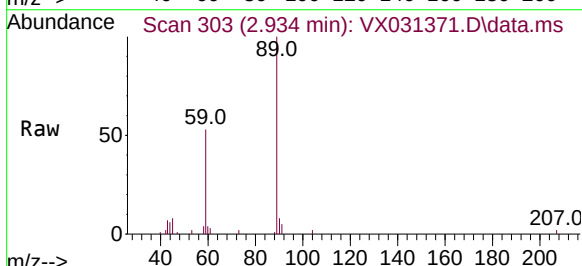
Tgt Ion: 53 Resp: 211

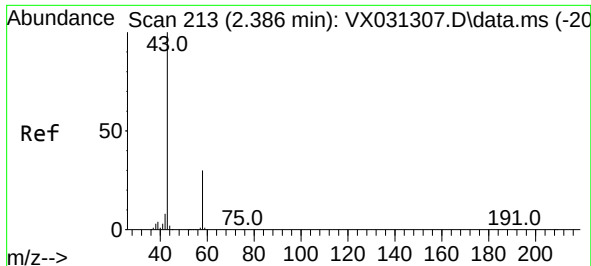
Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 0.0 30.0 45.0#





#16

Acetone

Concen: 1.525 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX031371.D

Acq: 15 Sep 2022 22:03

Instrument :

MSVOA_X

ClientSampleId :

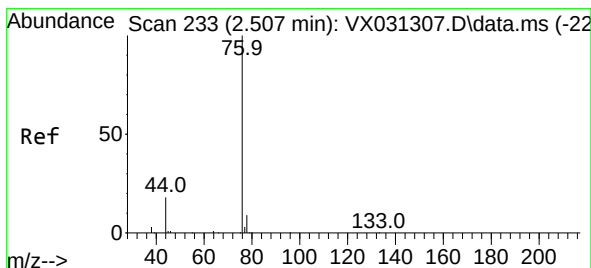
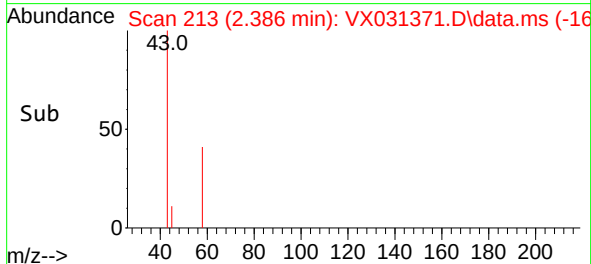
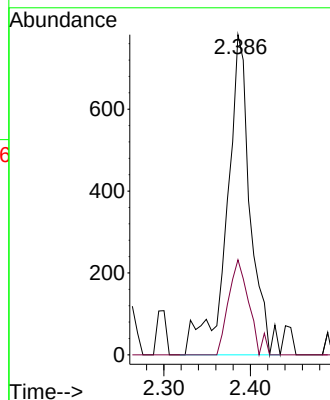
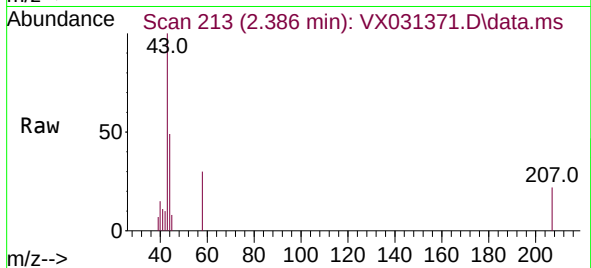
FB-090222

Tgt Ion: 43 Resp: 1473

Ion Ratio Lower Upper

43 100

58 29.7 23.8 35.8



#17

Carbon Disulfide

Concen: 0.914 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.007 min

Lab File: VX031371.D

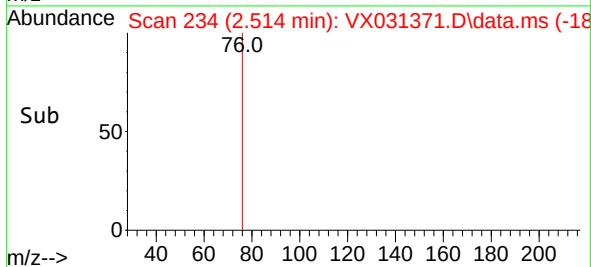
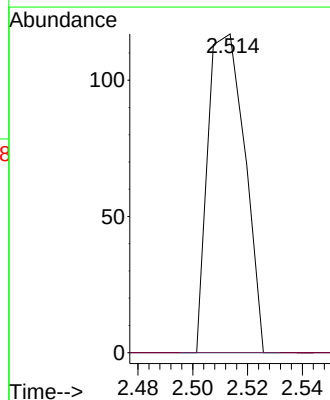
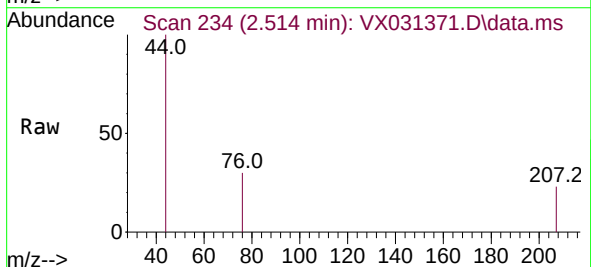
Acq: 15 Sep 2022 22:03

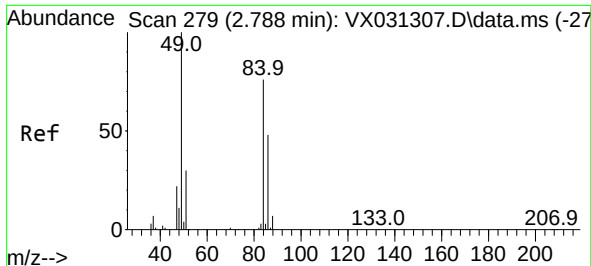
Tgt Ion: 76 Resp: 109

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX031371.D

Acq: 15 Sep 2022 22:03

Instrument :

MSVOA_X

ClientSampleId :

FB-090222

Tgt Ion: 84 Resp: 789

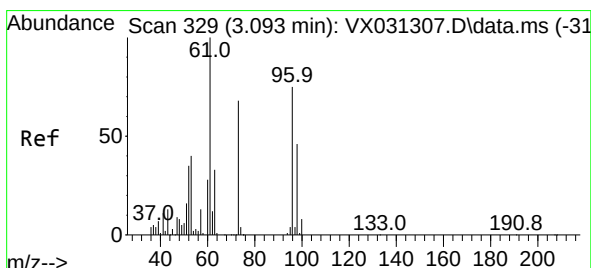
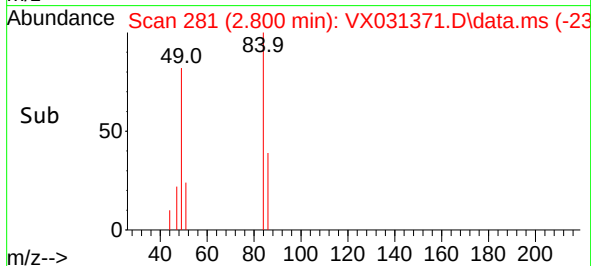
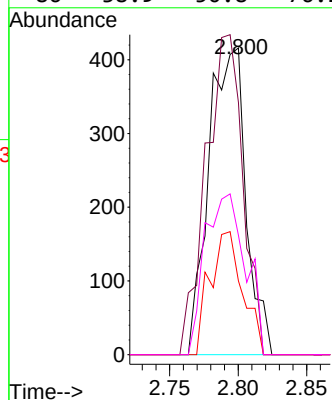
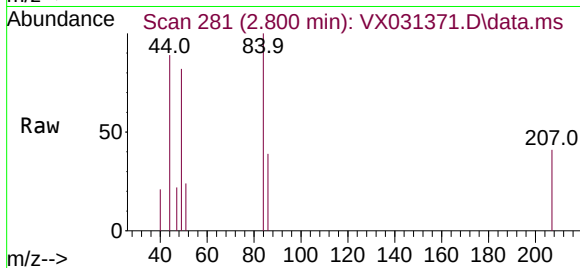
Ion Ratio Lower Upper

84 100

49 82.2 105.9 158.9#

51 24.0 32.2 48.2#

86 38.9 50.8 76.2#



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.117 min Scan# 333

Delta R.T. 0.024 min

Lab File: VX031371.D

Acq: 15 Sep 2022 22:03

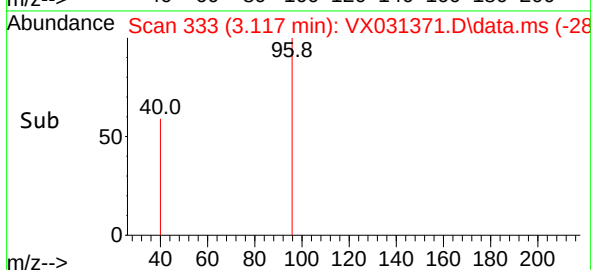
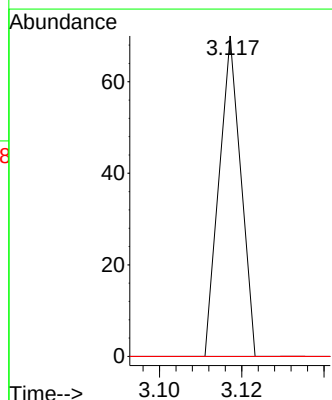
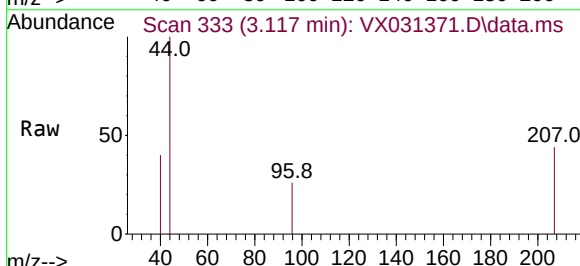
Tgt Ion: 96 Resp: 26

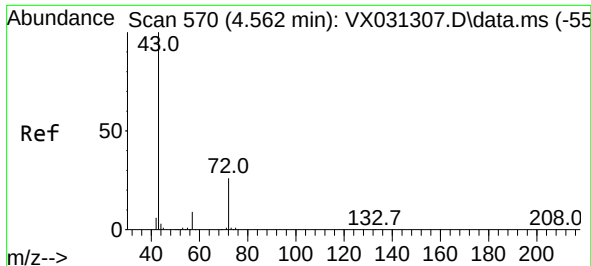
Ion Ratio Lower Upper

96 100

61 0.0 106.7 160.1#

98 0.0 48.7 73.1#





#25

2-Butanone

Concen: 0.203 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX031371.D

Acq: 15 Sep 2022 22:03

Instrument :

MSVOA_X

ClientSampleId :

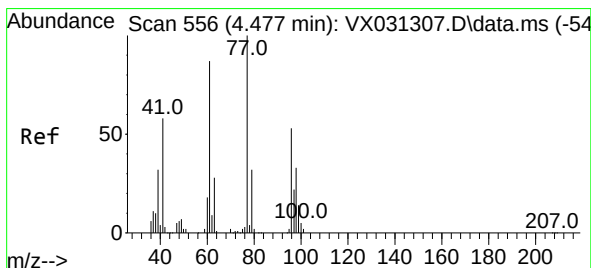
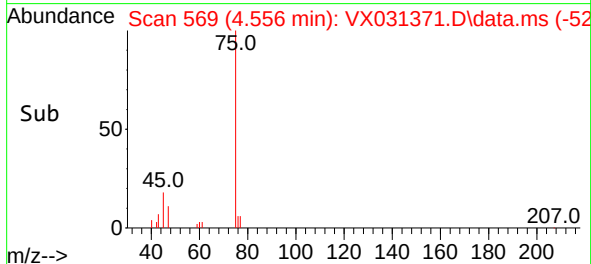
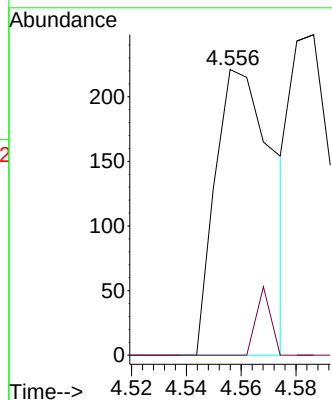
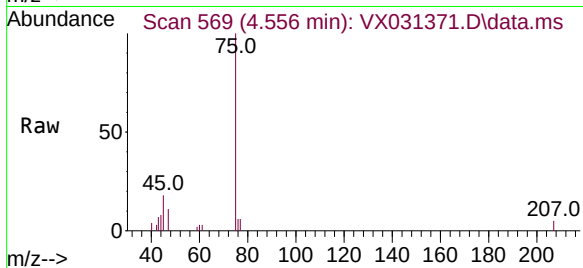
FB-090222

Tgt Ion: 43 Resp: 323

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#26

2,2-Dichloropropane

Concen: 0.262 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.104 min

Lab File: VX031371.D

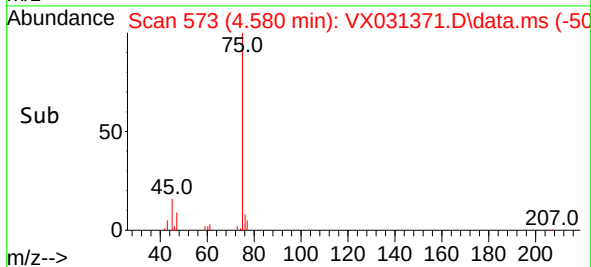
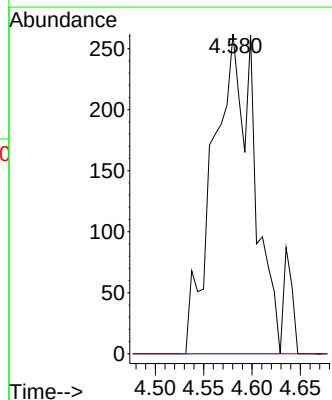
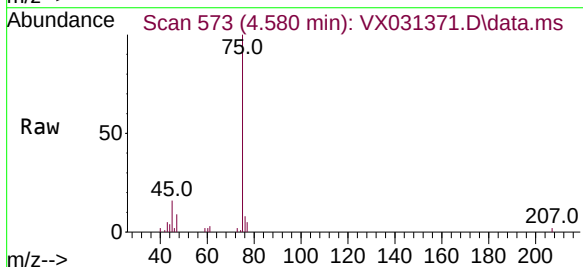
Acq: 15 Sep 2022 22:03

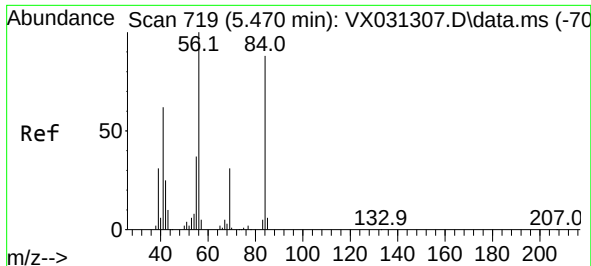
Tgt Ion: 77 Resp: 776

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.6#

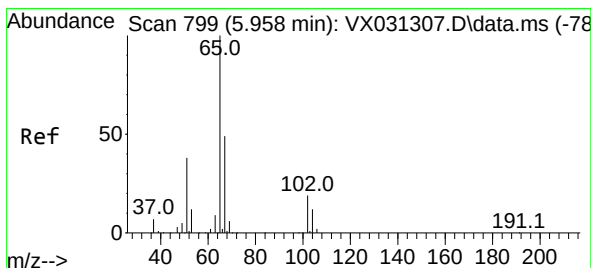
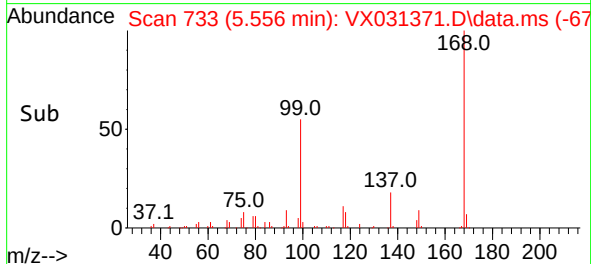
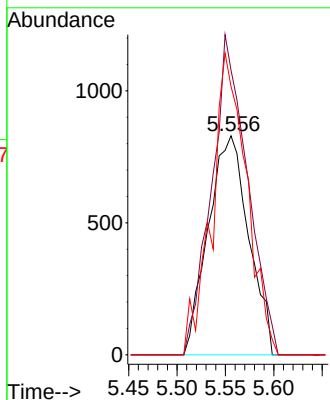
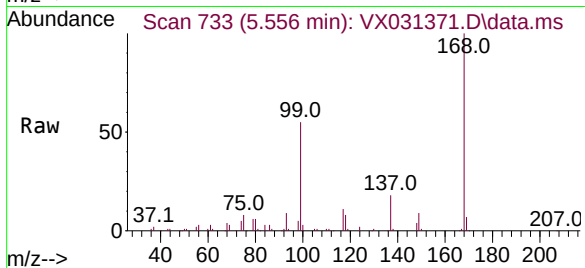




#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

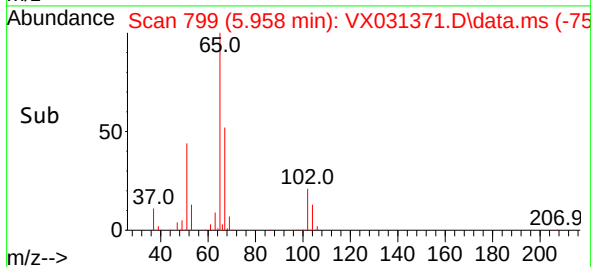
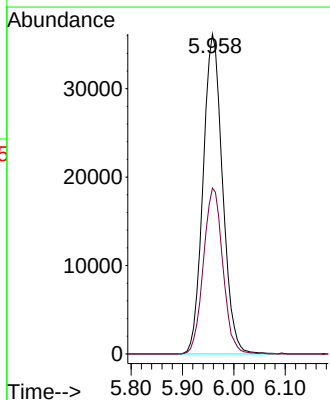
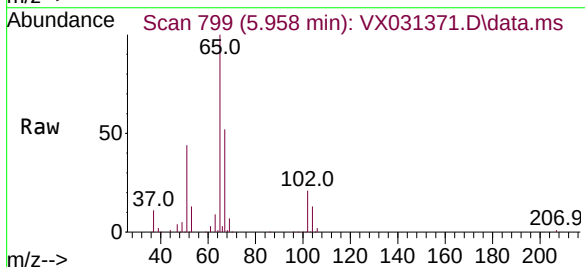
Instrument :
MSVOA_X
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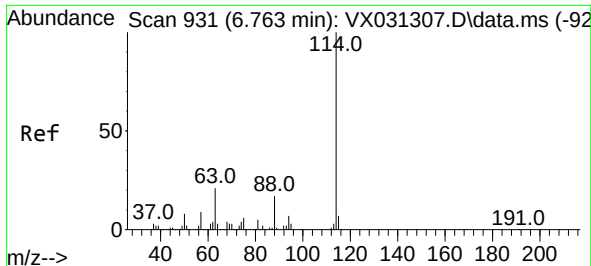
Tgt Ion: 56 Resp: 2413
Ion Ratio Lower Upper
56 100
69 130.0 25.1 37.7#
84 122.5 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 42.054 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

Tgt Ion: 65 Resp: 95173
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.4

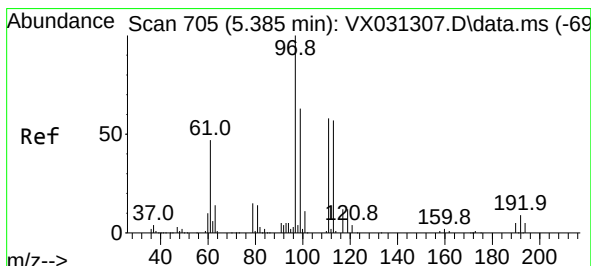
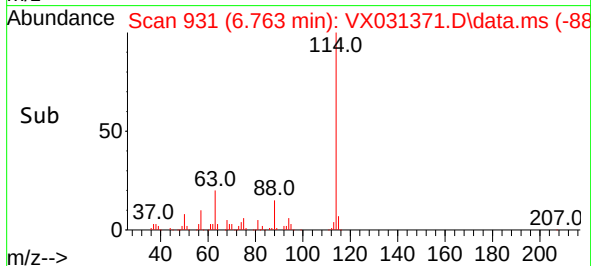
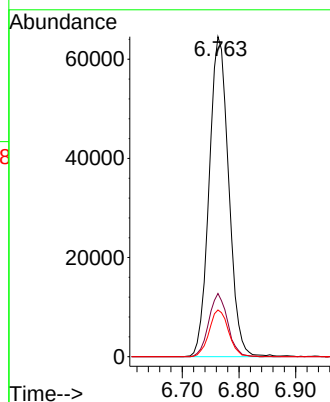
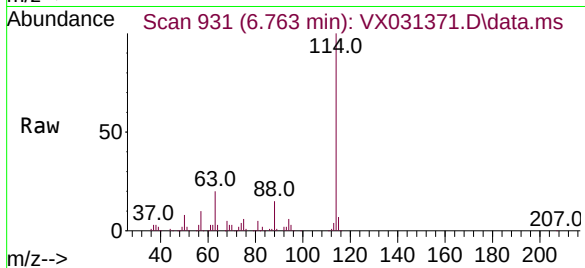




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

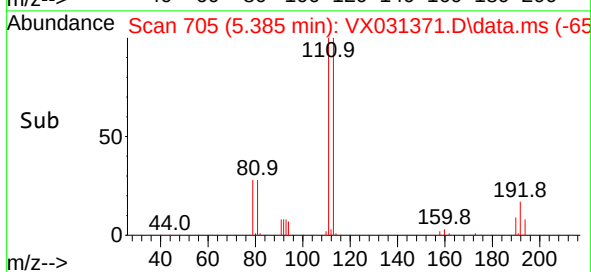
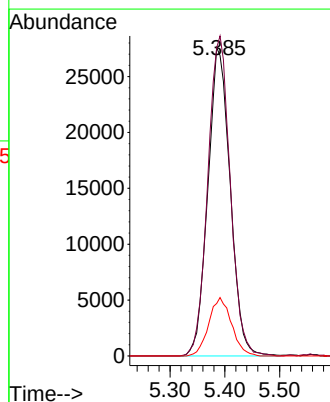
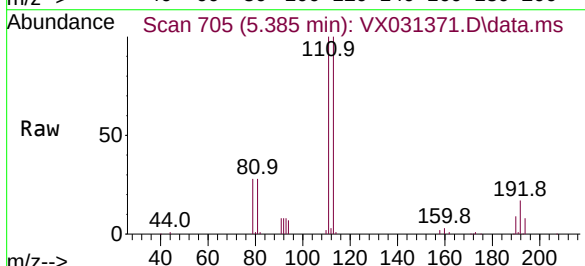
Instrument :
MSVOA_X
ClientSampleId :
FB-090222

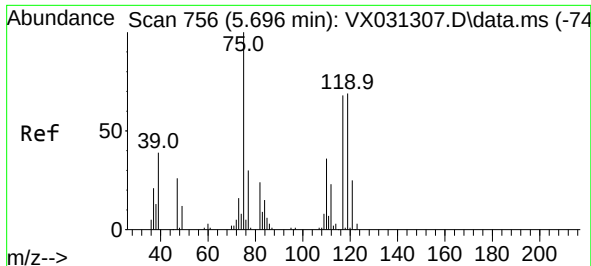
Tgt Ion:114 Resp: 154523
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.6
88 14.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 46.949 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

Tgt Ion:113 Resp: 77983
Ion Ratio Lower Upper
113 100
111 104.2 82.4 123.6
192 19.3 14.1 21.1

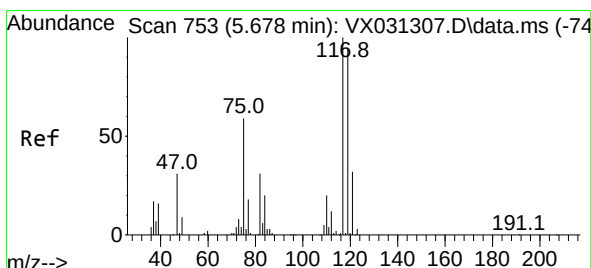
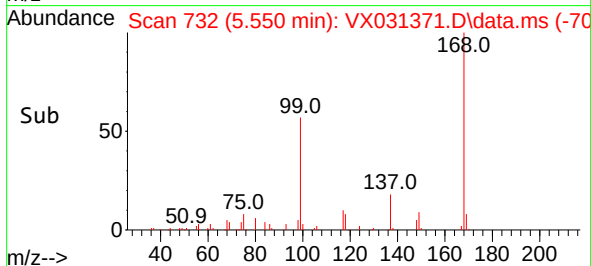
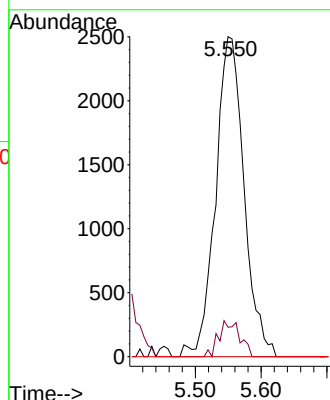
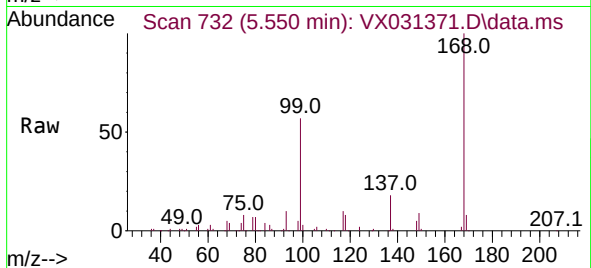




#36
1,1-Dichloropropene
Concen: 3.306 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

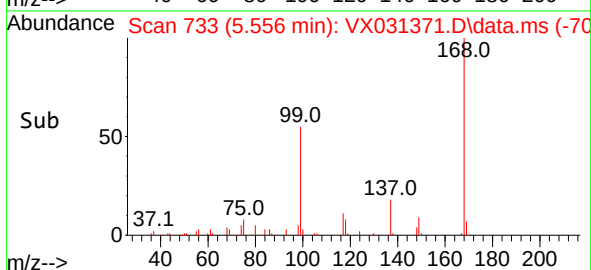
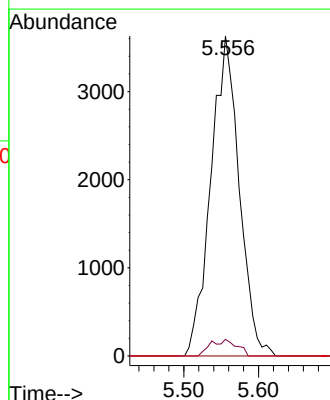
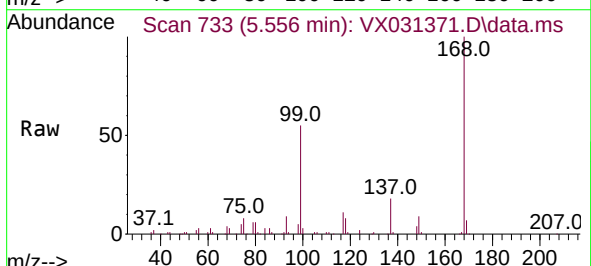
Instrument :
MSVOA_X
ClientSampleId :
FB-090222

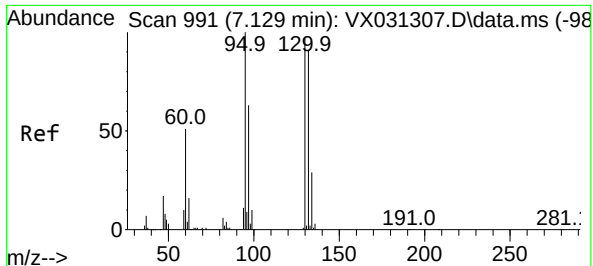
Tgt Ion: 75 Resp: 7515
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.875 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

Tgt Ion: 117 Resp: 9577
Ion Ratio Lower Upper
117 100
119 5.2 74.6 112.0#
121 0.0 25.3 37.9#

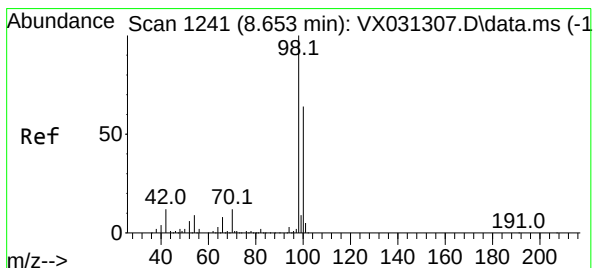
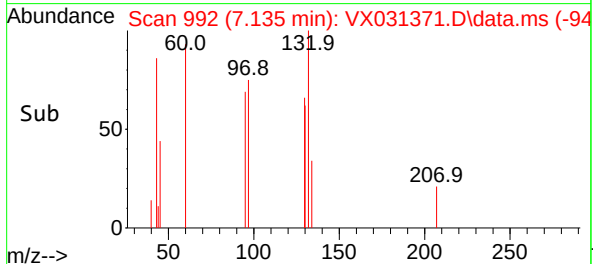
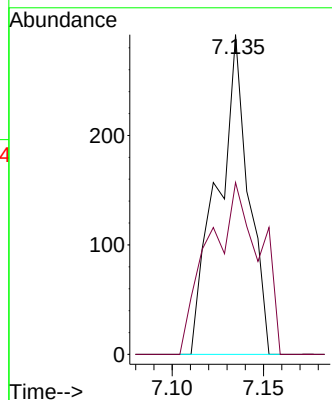
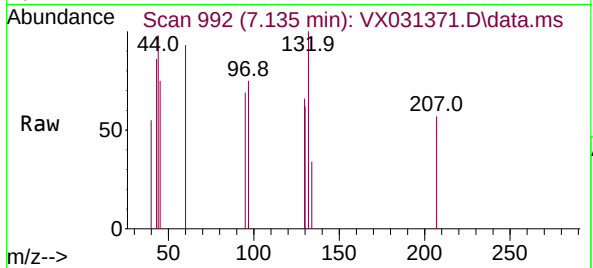




#44
Trichloroethene
Concen: 0.207 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

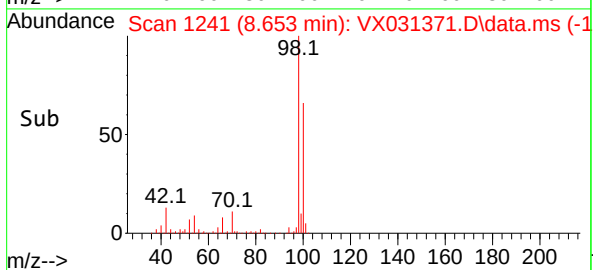
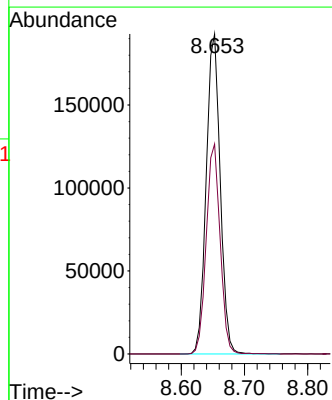
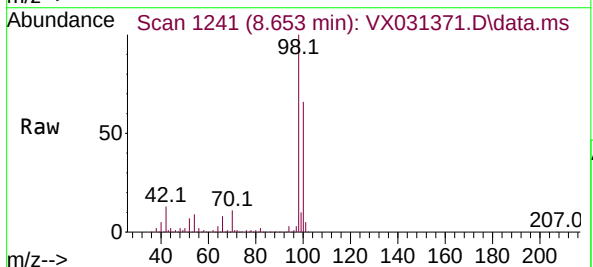
Instrument :
MSVOA_X
ClientSampleId :
FB-090222

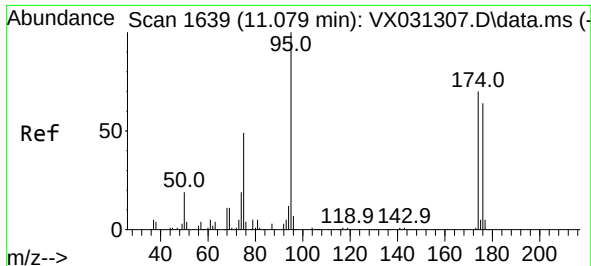
Tgt Ion:130 Resp: 345
Ion Ratio Lower Upper
130 100
95 53.8 0.0 206.8



#50
Toluene-d8
Concen: 47.724 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

Tgt Ion: 98 Resp: 297352
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

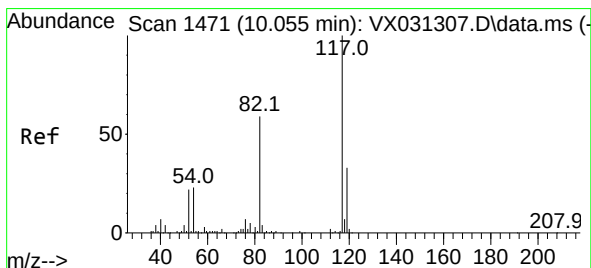
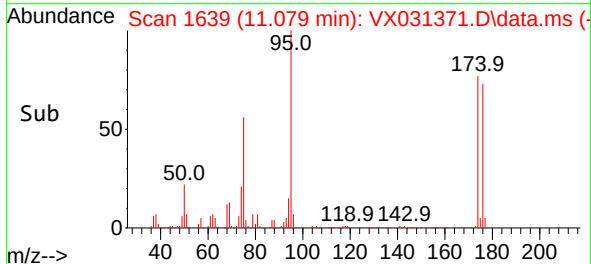
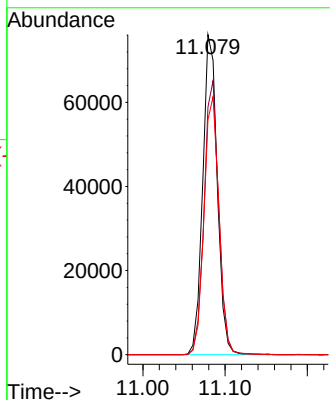
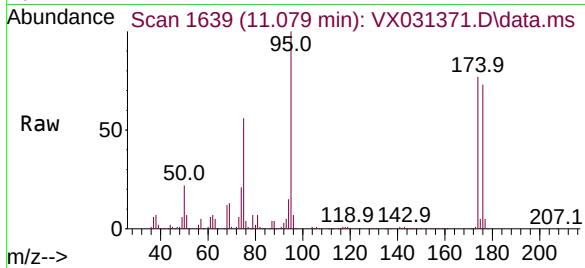




#62
4-Bromofluorobenzene
Concen: 40.999 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

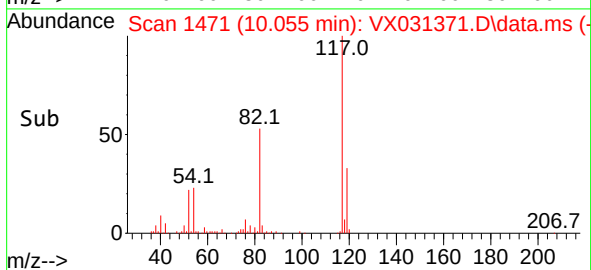
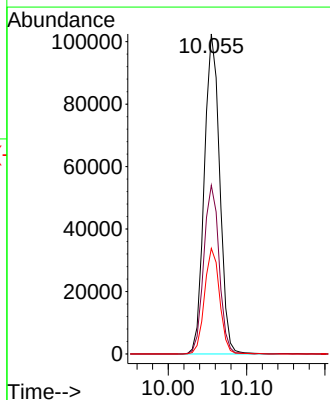
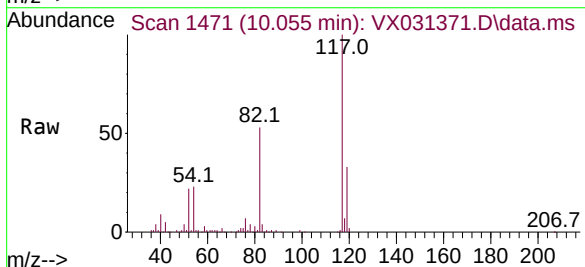
Instrument :
MSVOA_X
ClientSampleId :
FB-090222

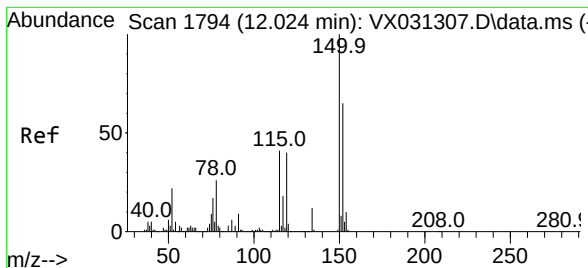
Tgt Ion: 95 Resp: 93544
Ion Ratio Lower Upper
95 100
174 86.0 0.0 153.2
176 83.0 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031371.D
Acq: 15 Sep 2022 22:03

Tgt Ion: 117 Resp: 139707
Ion Ratio Lower Upper
117 100
82 52.7 46.8 70.2
119 33.0 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: VX031371.D

Acq: 15 Sep 2022 22:03

Instrument :

MSVOA_X

ClientSampleId :

FB-090222

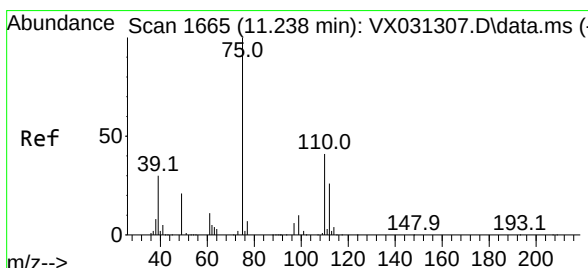
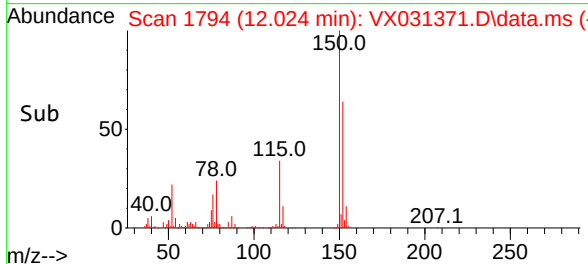
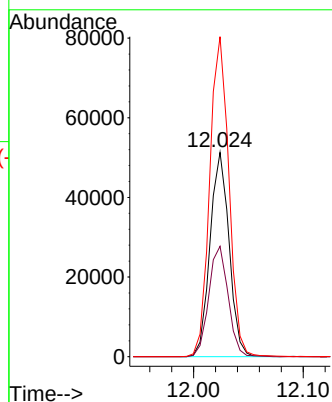
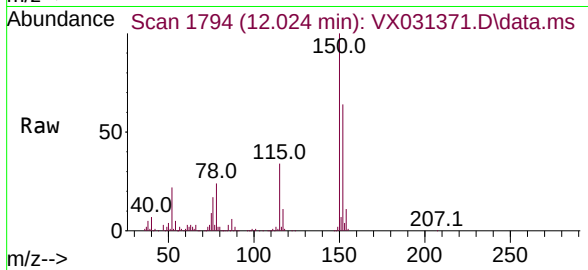
Tgt Ion:152 Resp: 61934

Ion Ratio Lower Upper

152 100

115 55.0 43.4 130.1

150 157.5 0.0 346.8



#76

1,2,3-Trichloropropane

Concen: 34.339 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX031371.D

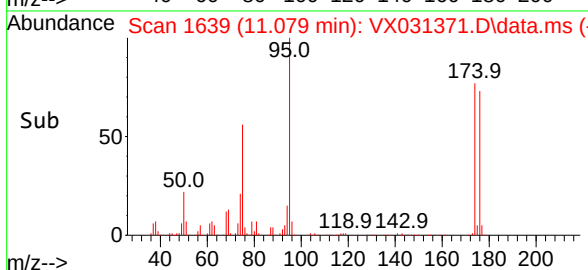
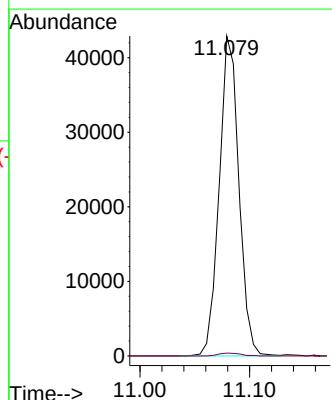
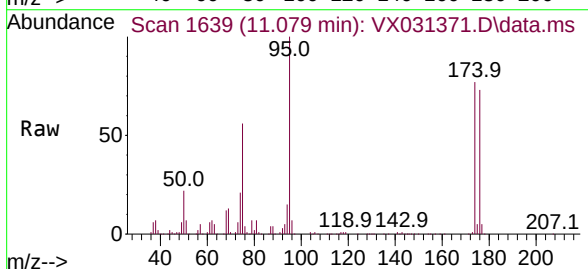
Acq: 15 Sep 2022 22:03

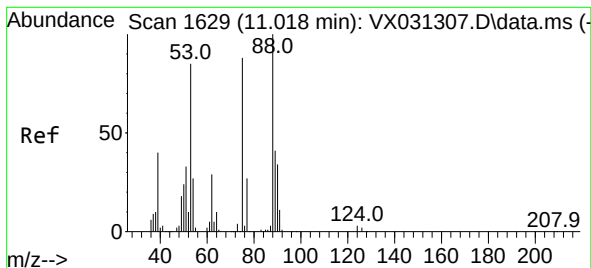
Tgt Ion: 75 Resp: 53595

Ion Ratio Lower Upper

75 100

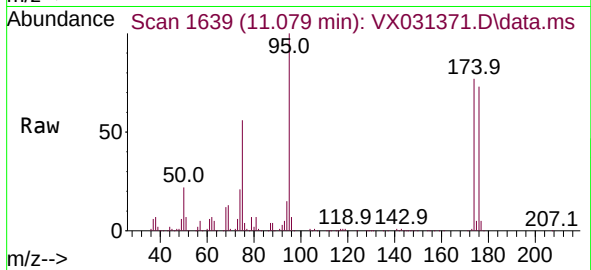
77 1.0 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.018 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX031371.D
 Acq: 15 Sep 2022 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-090222



Tgt Ion: 75 Resp: 53595
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

