

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012622\
 Data File : VN070791.D
 Acq On : 26 Jan 2022 15:48
 Operator : JC/MD
 Sample : N1267-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RED-BRICK-EXT-WALL

Quant Time: Jan 27 03:33:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

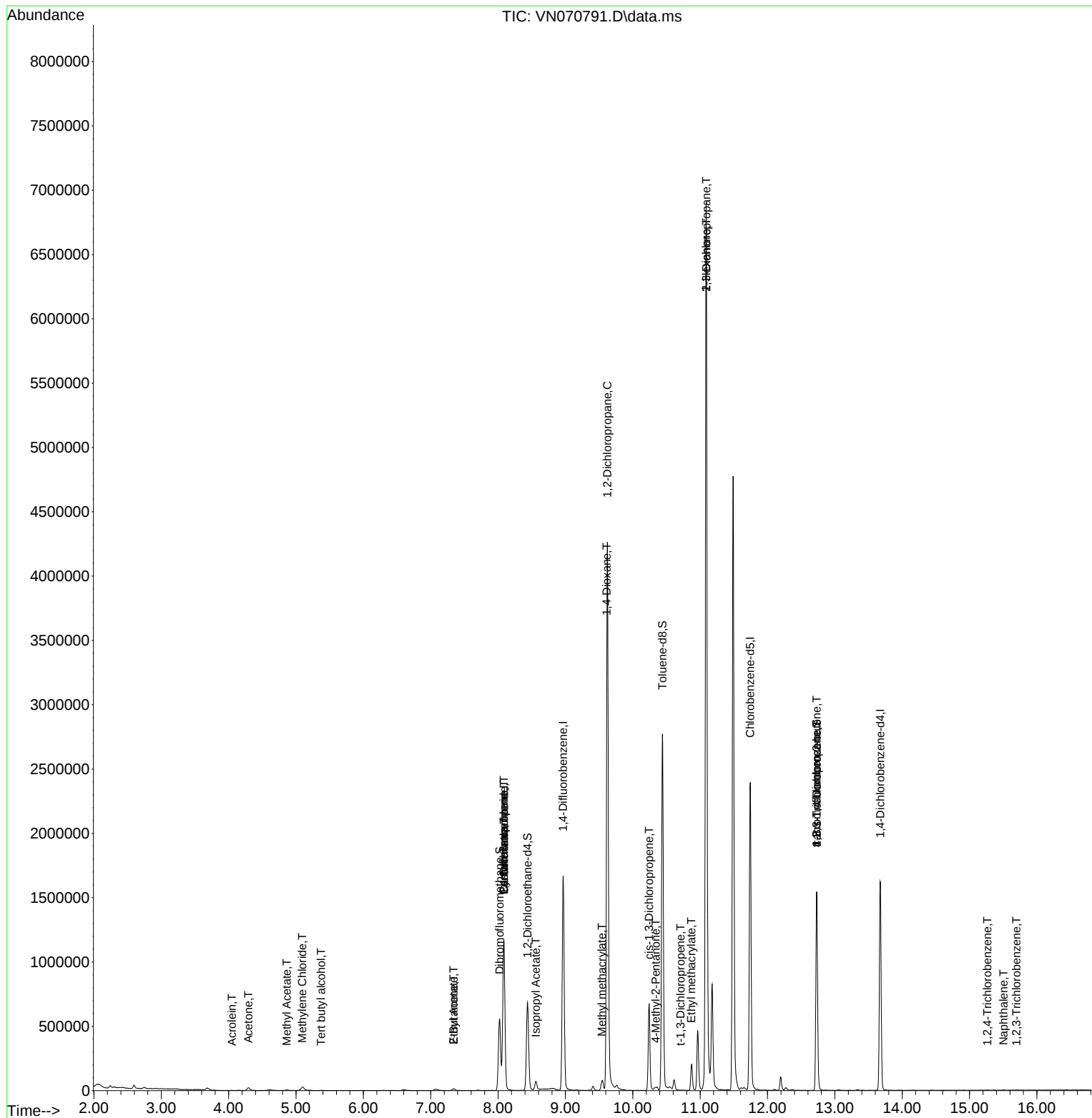
Internal Standards						
1) Pentafluorobenzene	8.086	168	865124	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	1392563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1384320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	444906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	605071	48.802	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.600%
35) Dibromofluoromethane	8.021	113	410829	47.560	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.120%
50) Toluene-d8	10.440	98	1915594	52.641	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.280%
62) 4-Bromofluorobenzene	12.731	95	564084	43.500	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.000%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.372	59	2219	0.992	ug/l	# 71
13) Acrolein	4.049	56	699	0.218	ug/l	# 71
16) Acetone	4.293	43	38209	4.440	ug/l	98
18) Methyl Acetate	4.865	43	8759	0.518	ug/l	# 69
20) Methylene Chloride	5.093	84	19373	1.709	ug/l	92
25) 2-Butanone	7.340	43	24965	2.305	ug/l	# 88
31) Cyclohexane	8.086	56	20434	0.936	ug/l	# 9
36) 1,1-Dichloropropene	8.086	75	71953	4.948	ug/l	# 50
37) Ethyl Acetate	7.340	43	24965	1.293	ug/l	# 68
38) Carbon Tetrachloride	8.086	117	89796	6.941	ug/l	# 16
43) Isopropyl Acetate	8.560	43	84482	2.865	ug/l	# 88
45) 1,2-Dichloropropane	9.622	63	5300	0.432	ug/l	# 44
48) Methyl methacrylate	9.542	41	22842	1.626	ug/l	# 8
49) 1,4-Dioxane	9.614	88	481	2.279	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.341	43	14055	0.747	ug/l	# 86
53) t-1,3-Dichloropropene	10.709	75	53	2.407	ug/l	# 43
54) cis-1,3-Dichloropropene	10.242	75	116787	6.683	ug/l	# 66
56) Ethyl methacrylate	10.867	69	1292	2.363	ug/l	# 1
57) 1,3-Dichloropropane	11.089	76	69725	3.720	ug/l	# 44
59) 2-Hexanone	11.089	43	1212451	88.699	ug/l	# 49
76) 1,2,3-Trichloropropane	12.731	75	303683	25.736	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	303683	76.671	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.265	180	755	3.511	ug/l	92
95) Naphthalene	15.504	128	3109	5.070	ug/l	# 75
96) 1,2,3-Trichlorobenzene	15.697	180	384	3.262	ug/l	# 3

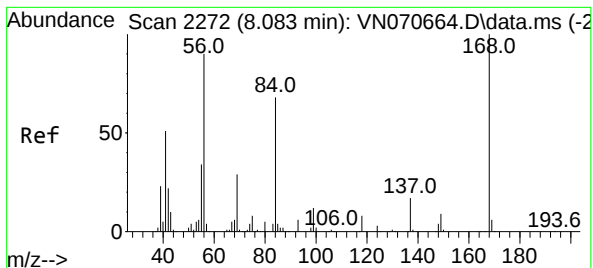
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012622\
Data File : VN070791.D
Acq On : 26 Jan 2022 15:48
Operator : JC/MD
Sample : N1267-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

Quant Time: Jan 27 03:33:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration

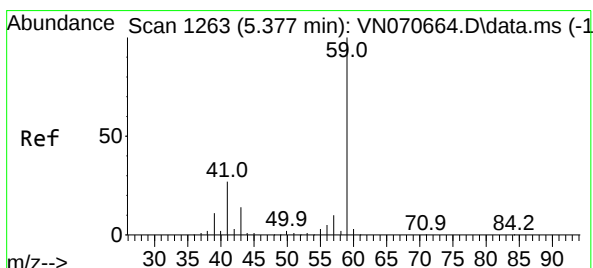
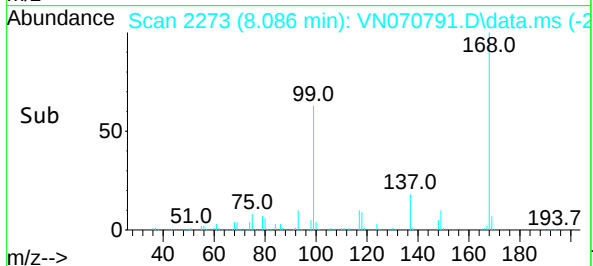
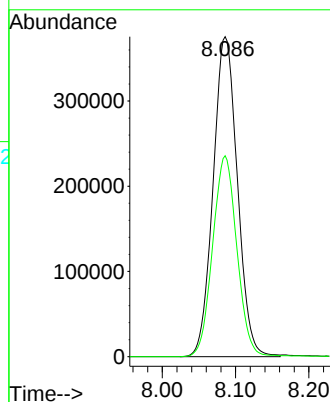
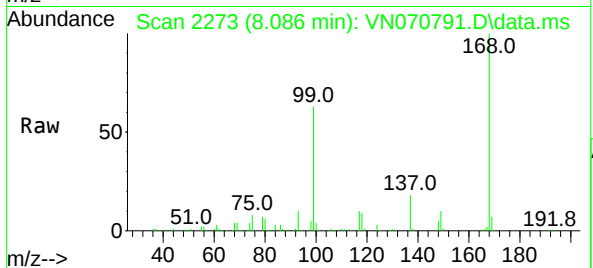




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

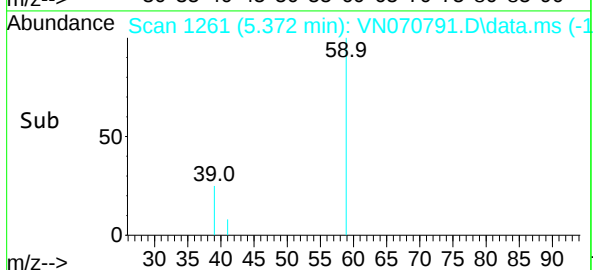
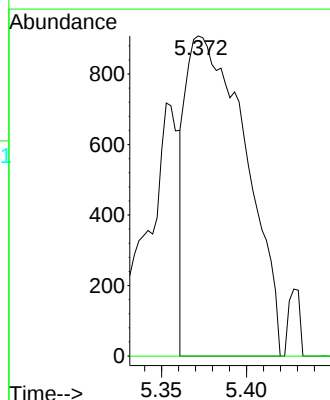
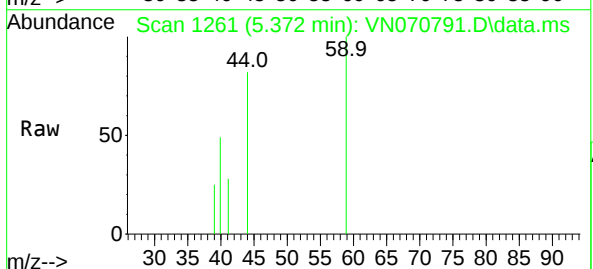
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

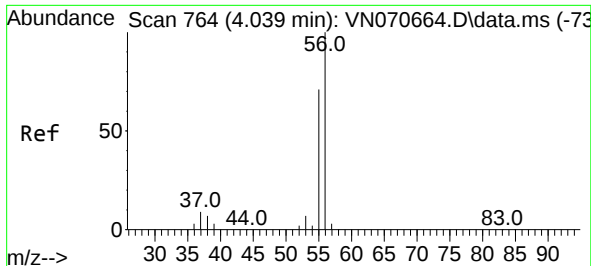
Tgt Ion:168 Resp: 865124
Ion Ratio Lower Upper
168 100
99 62.8 41.3 61.9#



#11
Tert butyl alcohol
Concen: 0.992 ug/l
RT: 5.372 min Scan# 1261
Delta R.T. -0.005 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

Tgt Ion: 59 Resp: 2219
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

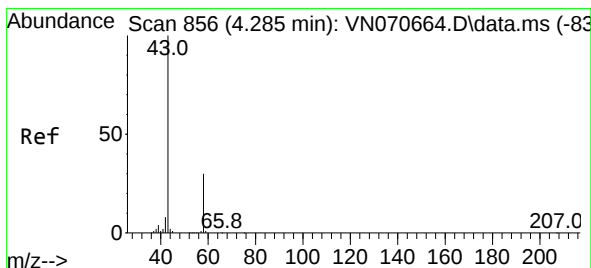
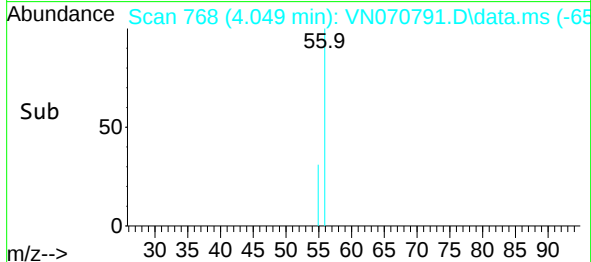
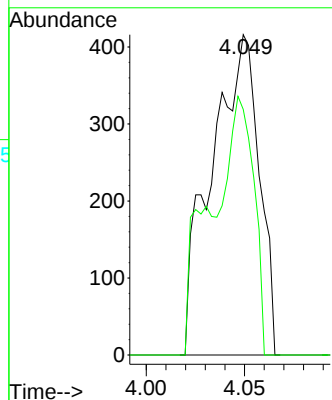
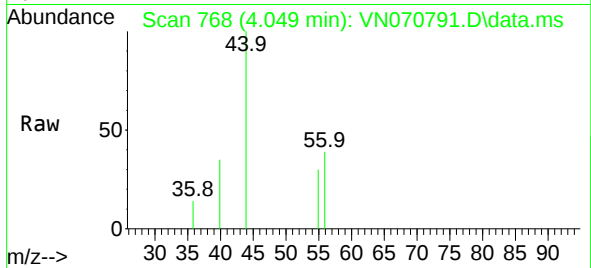




#13
Acrolein
Concen: 0.218 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

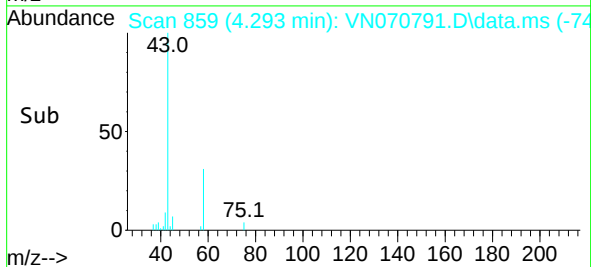
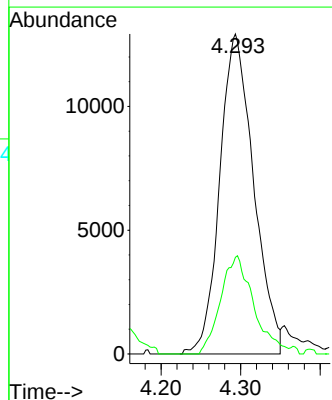
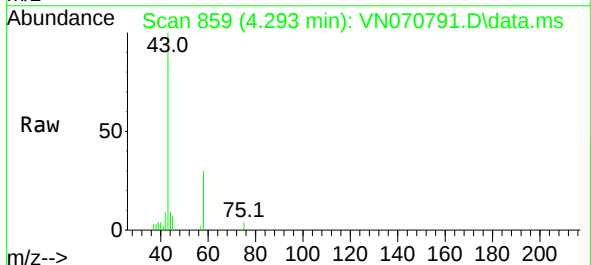
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

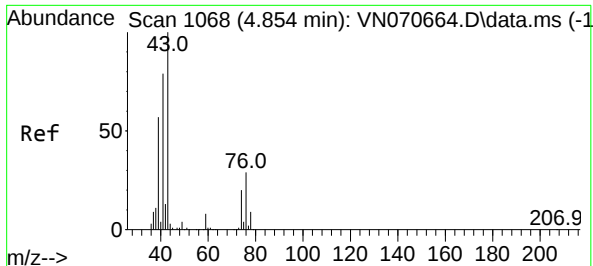
Tgt Ion: 56 Resp: 699
Ion Ratio Lower Upper
56 100
55 47.1 56.6 85.0#



#16
Acetone
Concen: 4.440 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

Tgt Ion: 43 Resp: 38209
Ion Ratio Lower Upper
43 100
58 30.2 23.1 34.7





#18

Methyl Acetate

Concen: 0.518 ug/l

RT: 4.865 min Scan# 1107

Delta R.T. 0.011 min

Lab File: VN070791.D

Acq: 26 Jan 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :

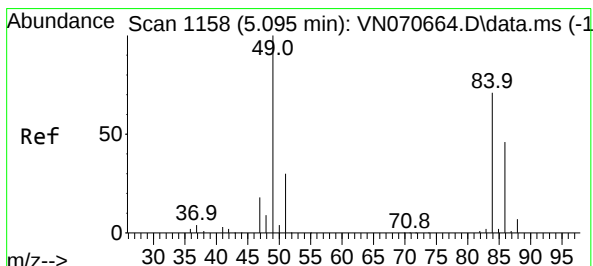
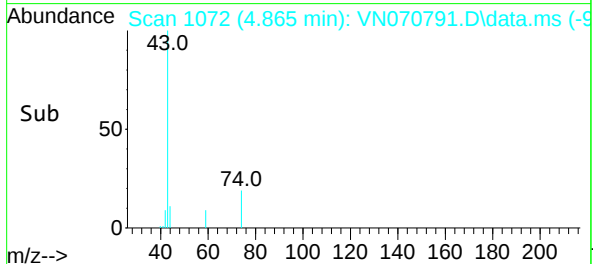
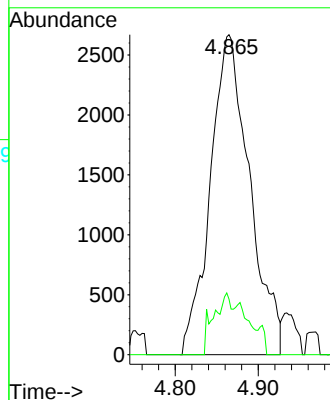
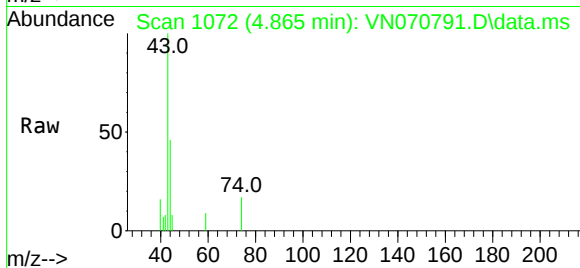
RED-BRICK-EXT-WALL

Tgt Ion: 43 Resp: 8759

Ion Ratio Lower Upper

43 100

74 9.0 19.4 29.2#



#20

Methylene Chloride

Concen: 1.709 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN070791.D

Acq: 26 Jan 2022 15:48

Tgt Ion: 84 Resp: 19373

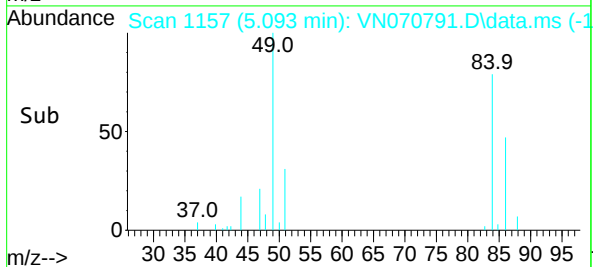
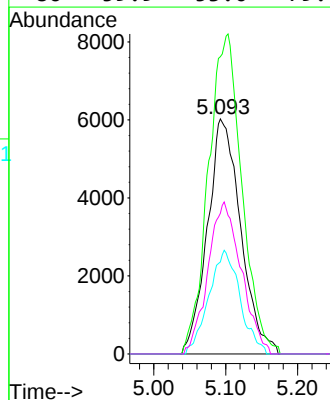
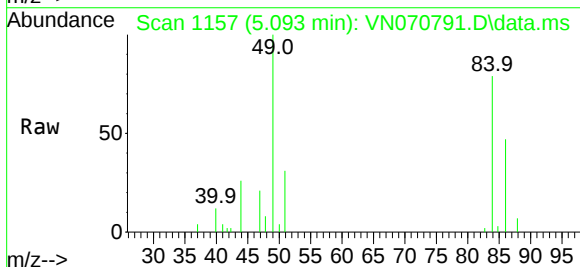
Ion Ratio Lower Upper

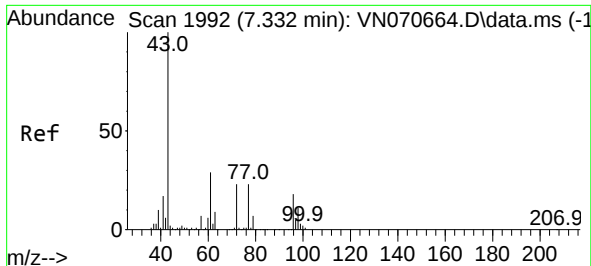
84 100

49 126.5 93.5 140.3

51 39.1 29.4 44.2

86 59.9 53.0 79.4





#25

2-Butanone

Concen: 2.305 ug/l

RT: 7.340 min Scan# 1992

Delta R.T. 0.008 min

Lab File: VN070791.D

Acq: 26 Jan 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :

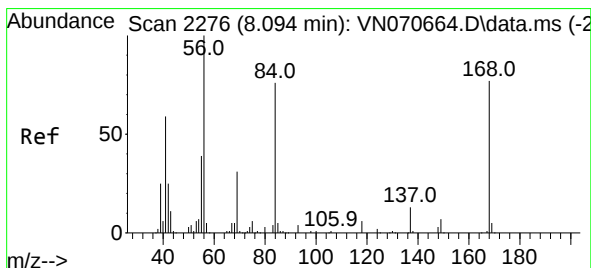
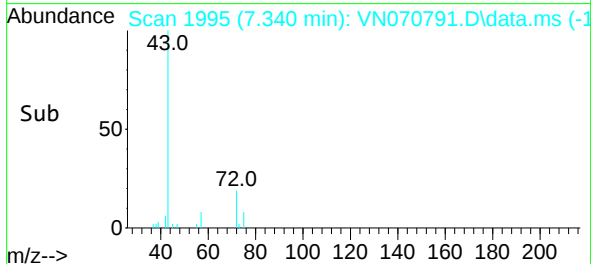
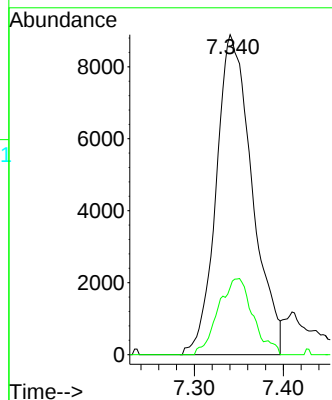
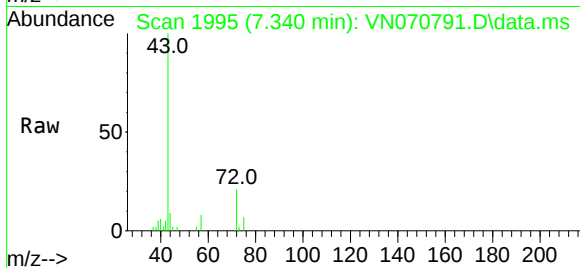
RED-BRICK-EXT-WALL

Tgt Ion: 43 Resp: 24965

Ion Ratio Lower Upper

43 100

72 21.0 21.7 32.5#



#31

Cyclohexane

Concen: 0.936 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070791.D

Acq: 26 Jan 2022 15:48

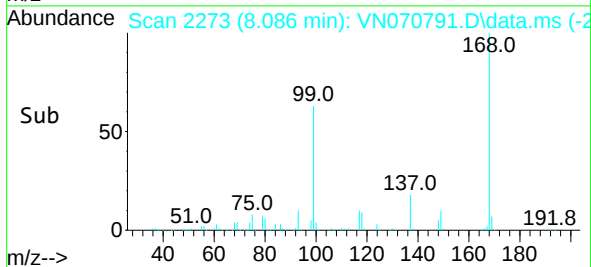
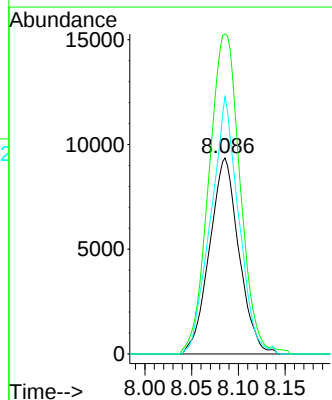
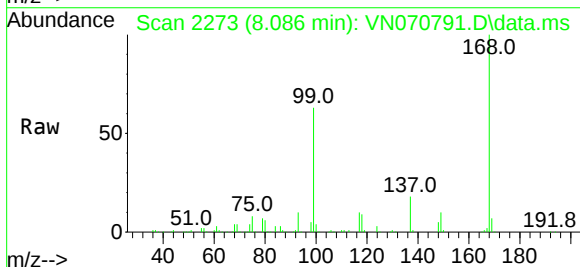
Tgt Ion: 56 Resp: 20434

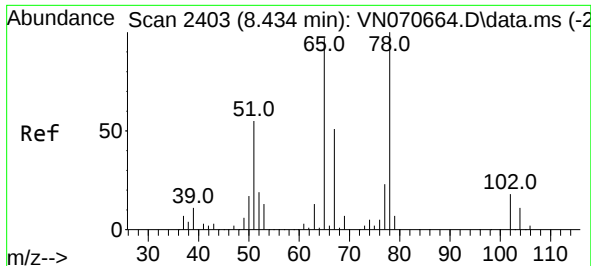
Ion Ratio Lower Upper

56 100

69 163.2 27.1 40.7#

84 131.2 73.4 110.0#

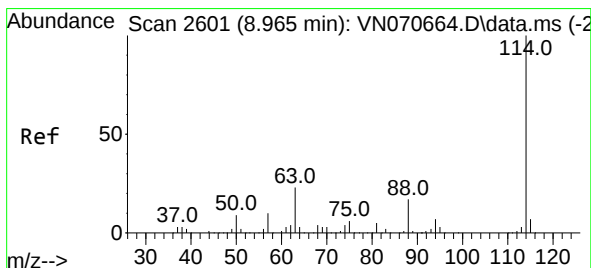
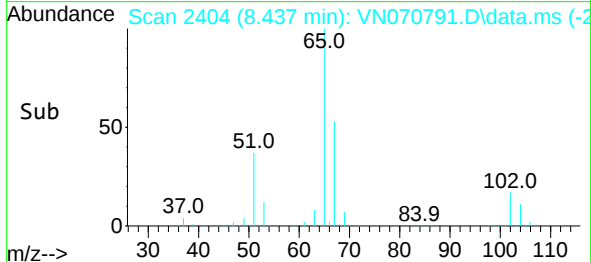
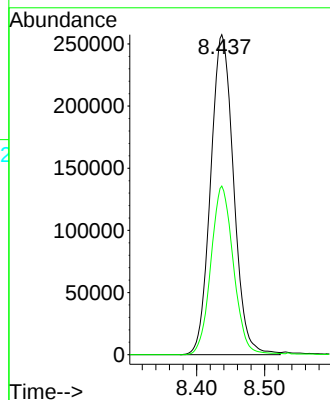
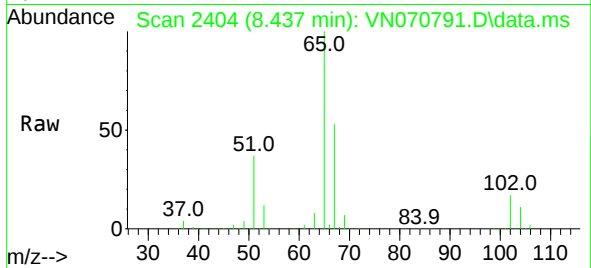




#33
 1,2-Dichloroethane-d4
 Concen: 48.802 ug/l
 RT: 8.437 min Scan# 2403
 Delta R.T. 0.003 min
 Lab File: VN070791.D
 Acq: 26 Jan 2022 15:48

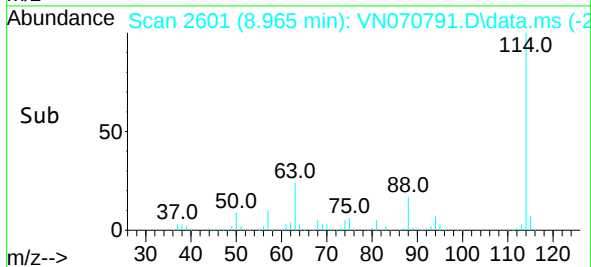
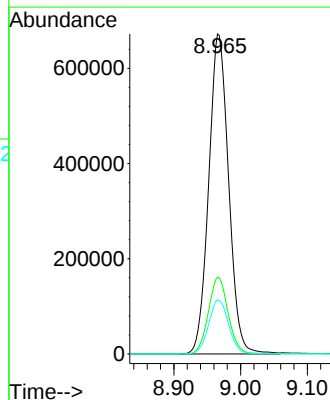
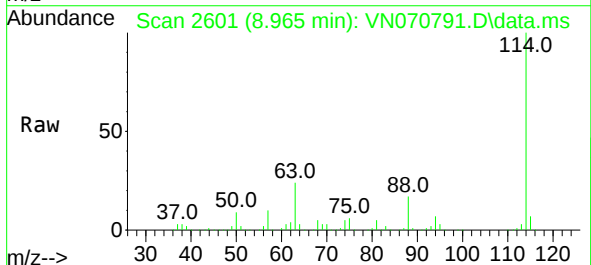
Instrument :
 MSVOA_N
 ClientSampleId :
 RED-BRICK-EXT-WALL

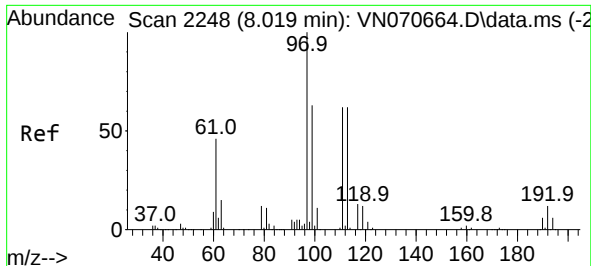
Tgt Ion: 65 Resp: 605071
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. 0.000 min
 Lab File: VN070791.D
 Acq: 26 Jan 2022 15:48

Tgt Ion: 114 Resp: 1392563
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 37.8
 88 16.9 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.560 ug/l

RT: 8.021 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070791.D

Acq: 26 Jan 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :

RED-BRICK-EXT-WALL

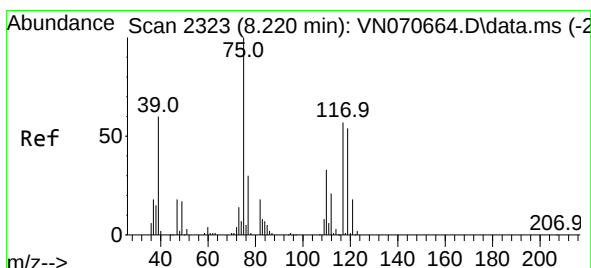
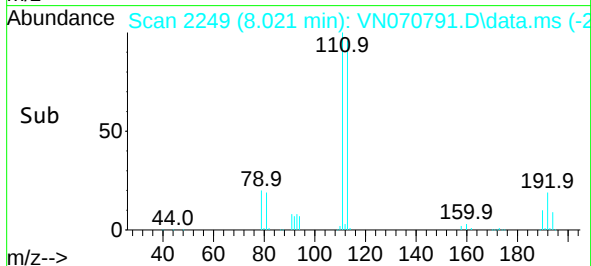
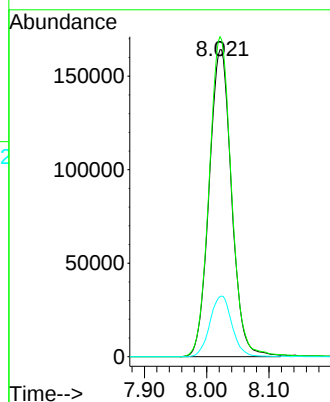
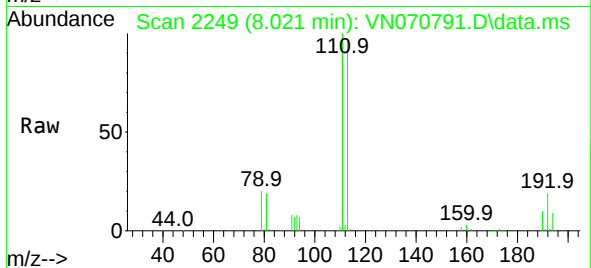
Tgt Ion:113 Resp: 410829

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.948 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.134 min

Lab File: VN070791.D

Acq: 26 Jan 2022 15:48

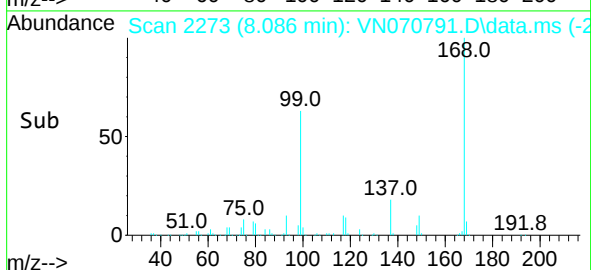
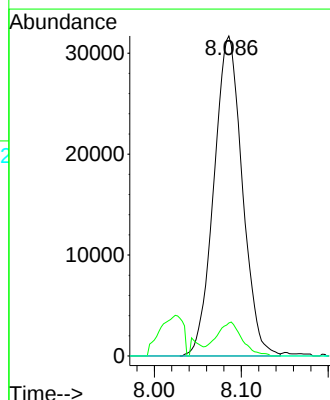
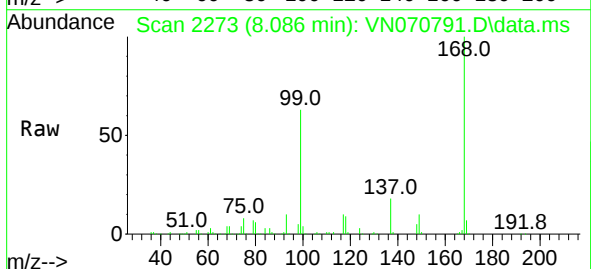
Tgt Ion: 75 Resp: 71953

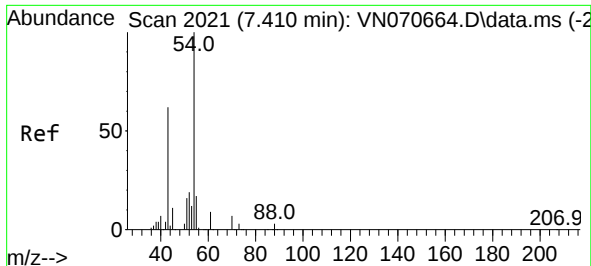
Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.293 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. -0.070 min

Lab File: VN070791.D

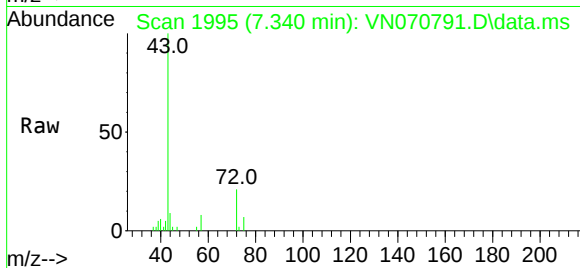
Acq: 26 Jan 2022 15:48

Instrument :

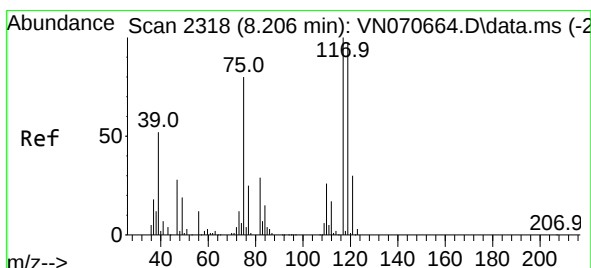
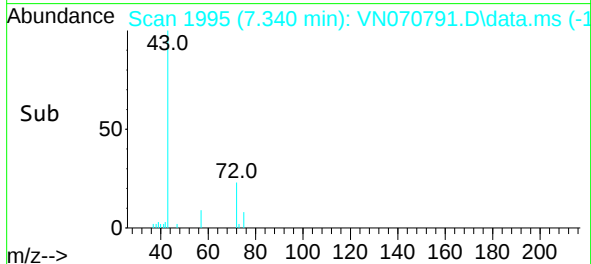
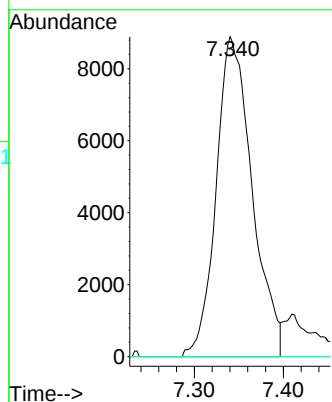
MSVOA_N

ClientSampleId :

RED-BRICK-EXT-WALL



Tgt Ion:	43	Resp:	24965
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.941 ug/l

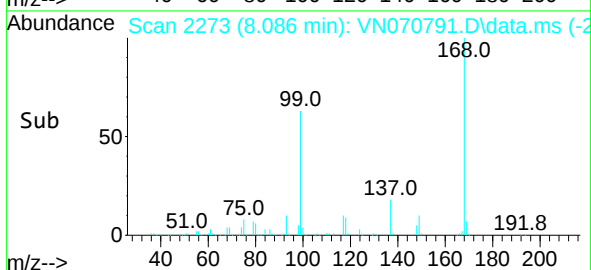
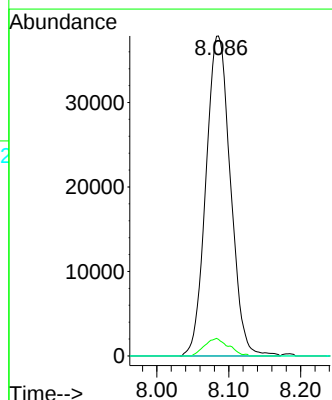
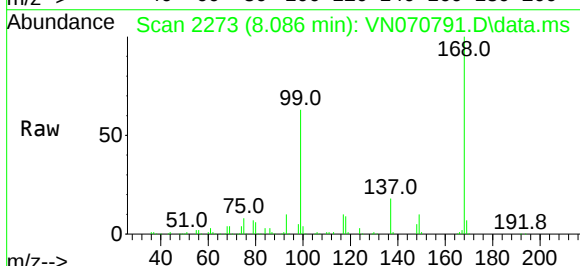
RT: 8.086 min Scan# 2273

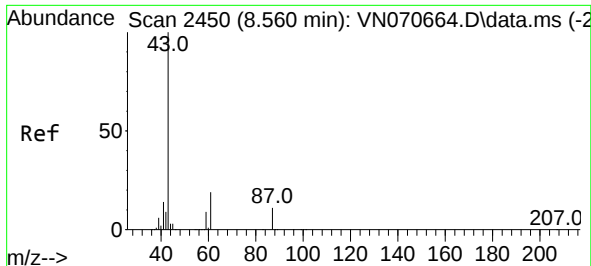
Delta R.T. -0.120 min

Lab File: VN070791.D

Acq: 26 Jan 2022 15:48

Tgt Ion:	117	Resp:	89796
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.1	114.1#
121	0.0	24.2	36.2#

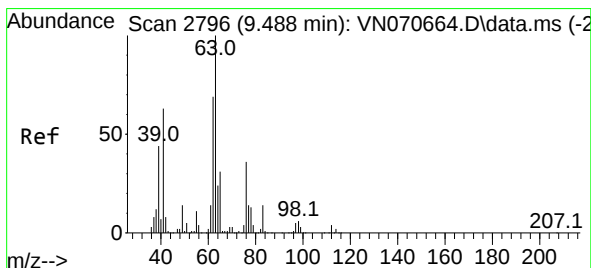
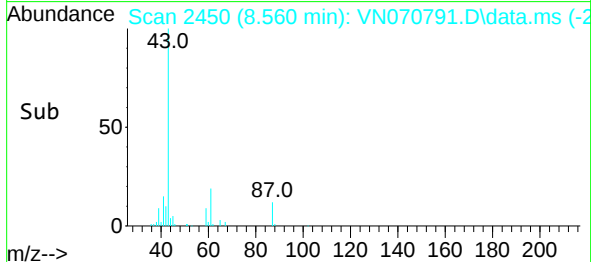
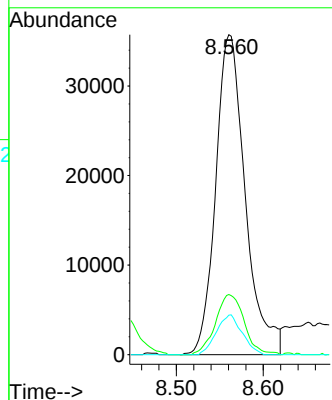
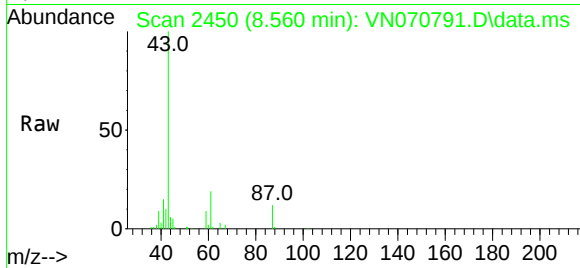




#43
Isopropyl Acetate
Concen: 2.865 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

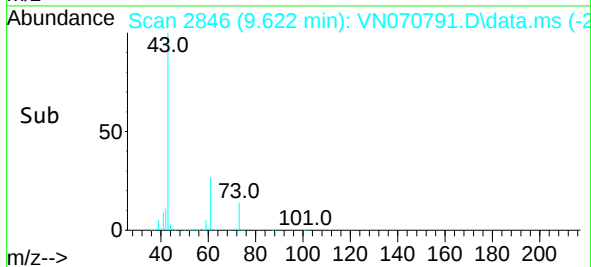
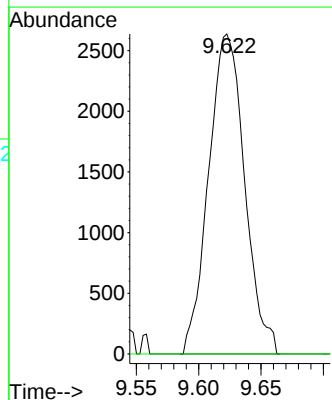
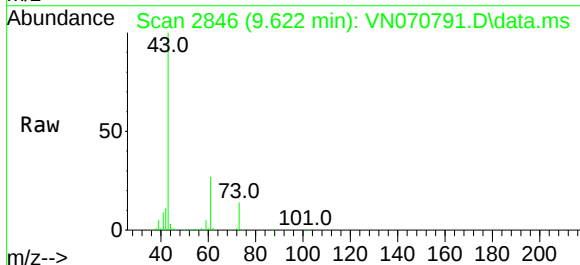
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

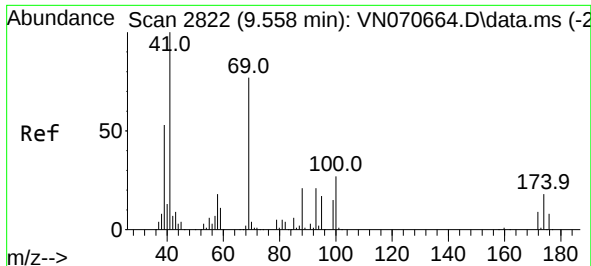
Tgt Ion: 43 Resp: 84482
Ion Ratio Lower Upper
43 100
61 18.3 20.4 30.6#
87 10.8 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.432 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.134 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

Tgt Ion: 63 Resp: 5300
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

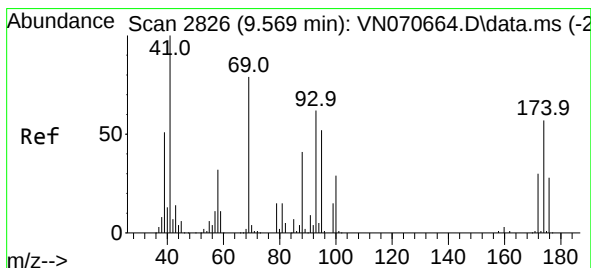
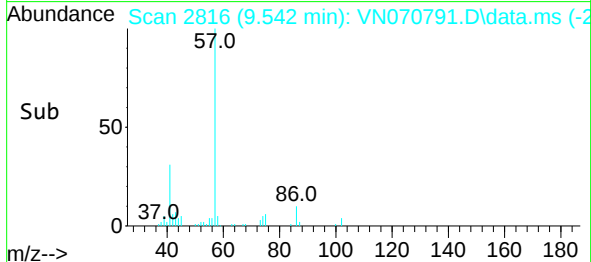
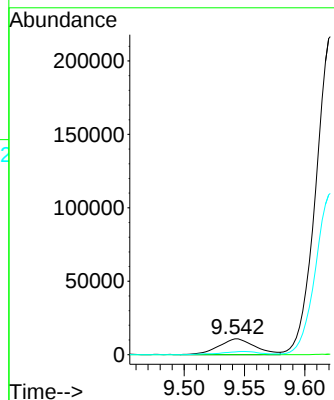
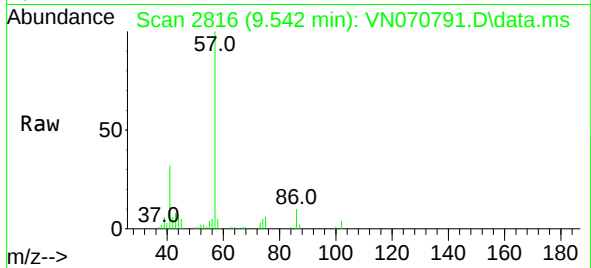




#48
Methyl methacrylate
Concen: 1.626 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.016 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

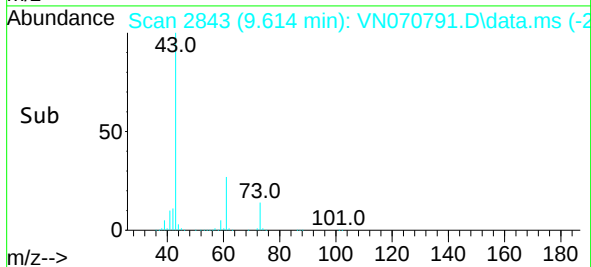
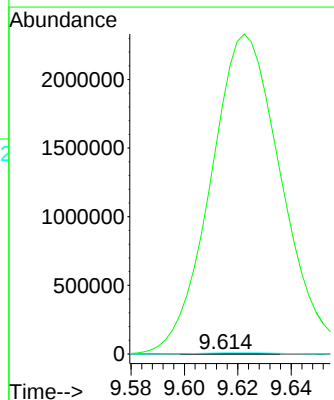
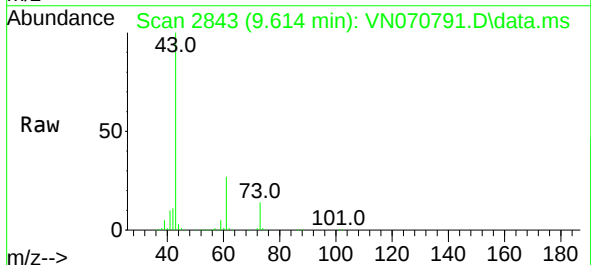
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

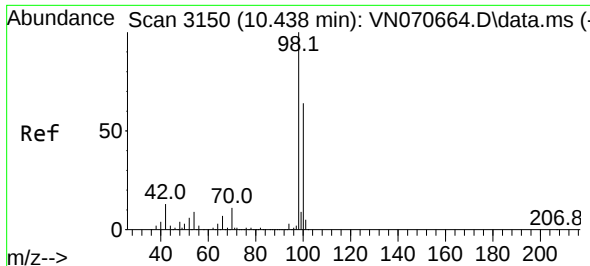
Tgt Ion: 41 Resp: 22842
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.279 ug/l
RT: 9.614 min Scan# 2843
Delta R.T. 0.045 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

Tgt Ion: 88 Resp: 481
Ion Ratio Lower Upper
88 100
43 920583.4 23.4 35.2#
58 3436.8 50.6 75.8#

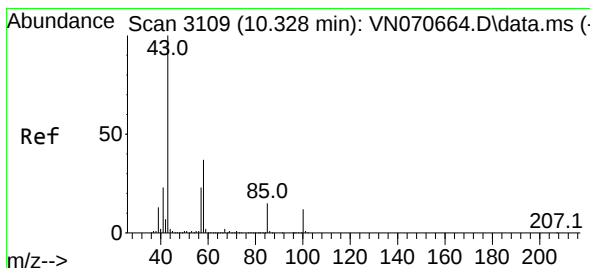
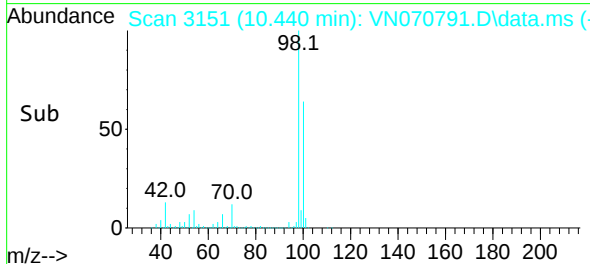
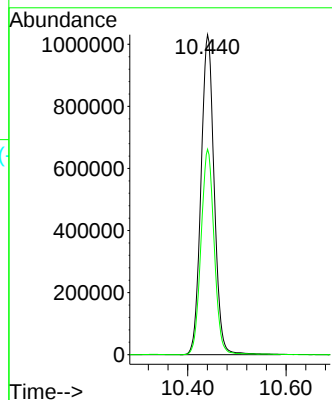
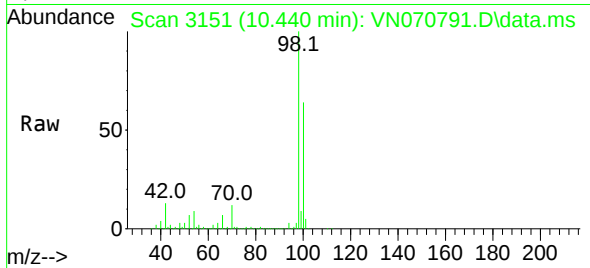




#50
Toluene-d8
Concen: 52.641 ug/l
RT: 10.440 min Scan# 3114
Delta R.T. 0.002 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

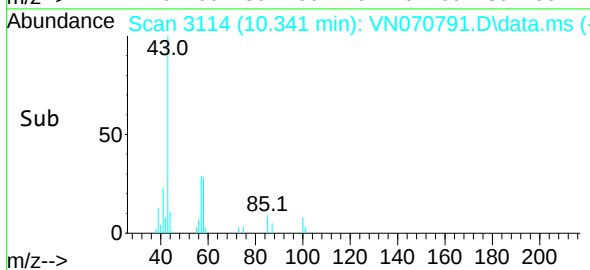
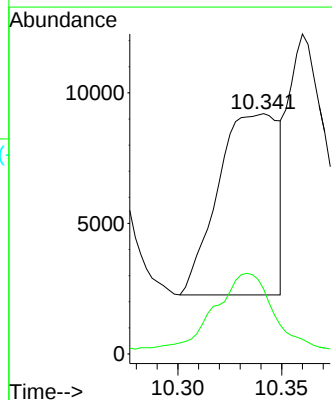
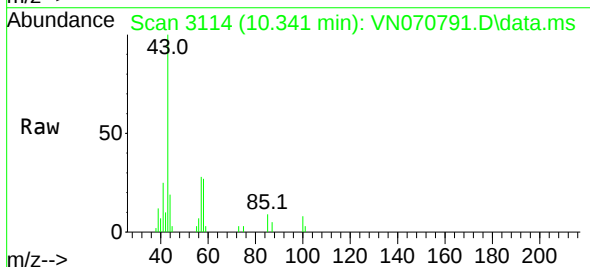
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

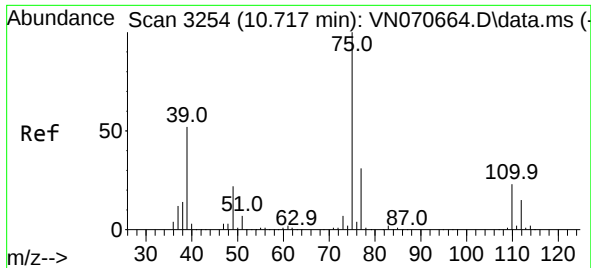
Tgt Ion: 98 Resp: 1915594
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.747 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.013 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

Tgt Ion: 43 Resp: 14055
Ion Ratio Lower Upper
43 100
58 46.3 30.4 45.6#

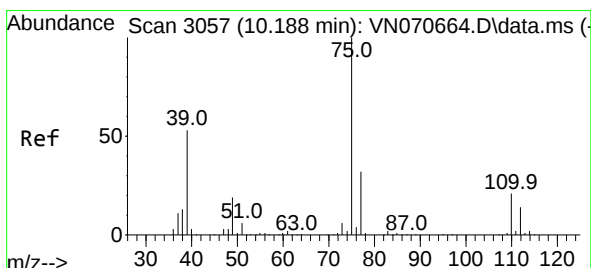
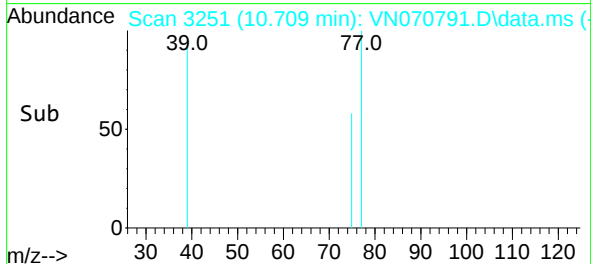
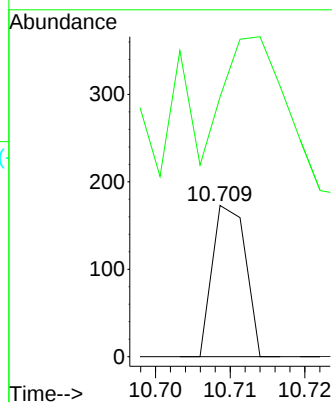
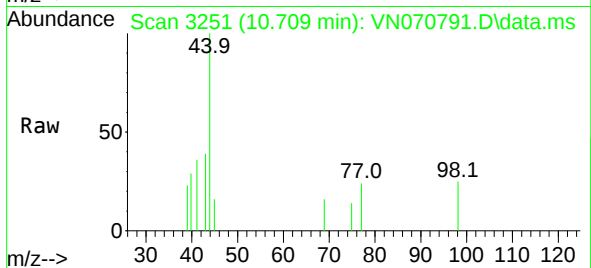




#53
 t-1,3-Dichloropropene
 Concen: 2.407 ug/l
 RT: 10.709 min Scan# 310
 Delta R.T. -0.008 min
 Lab File: VN070791.D
 Acq: 26 Jan 2022 15:48

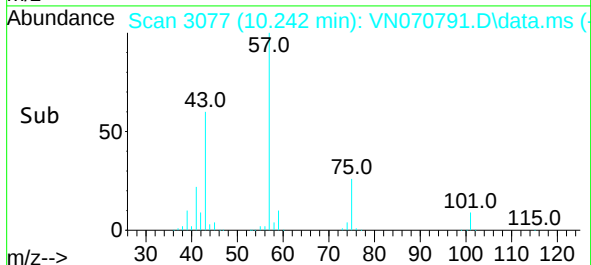
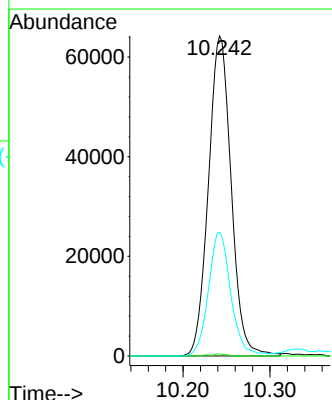
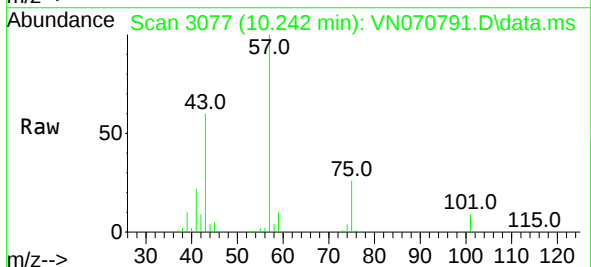
Instrument :
 MSVOA_N
 ClientSampleId :
 RED-BRICK-EXT-WALL

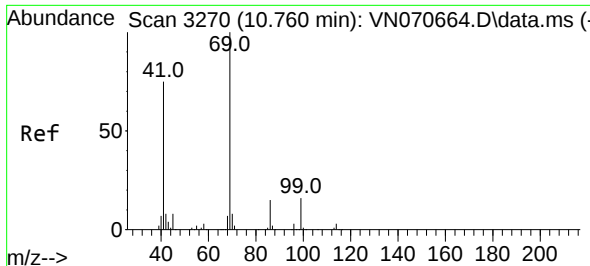
Tgt Ion: 75 Resp: 53
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.683 ug/l
 RT: 10.242 min Scan# 3077
 Delta R.T. 0.054 min
 Lab File: VN070791.D
 Acq: 26 Jan 2022 15:48

Tgt Ion: 75 Resp: 116787
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.4 39.6#
 39 38.7 42.5 63.7#

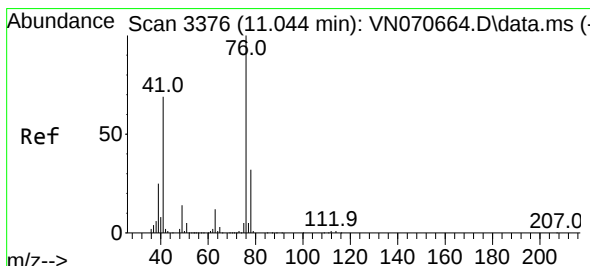
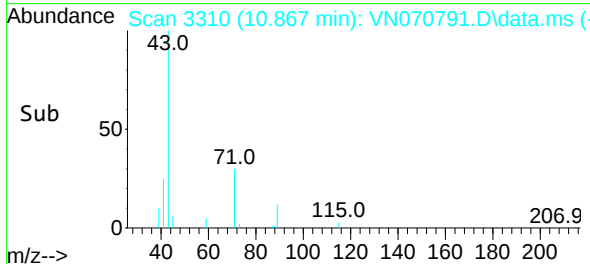
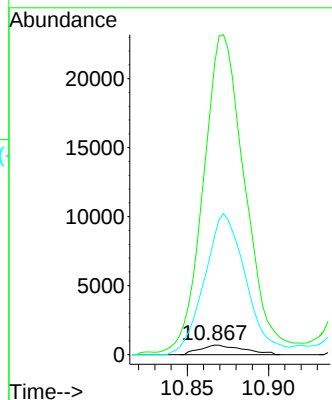
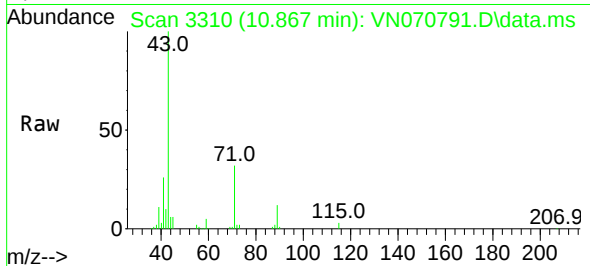




#56
Ethyl methacrylate
Concen: 2.363 ug/l
RT: 10.867 min Scan# 31
Delta R.T. 0.107 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

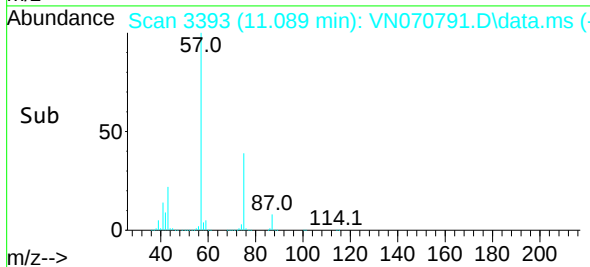
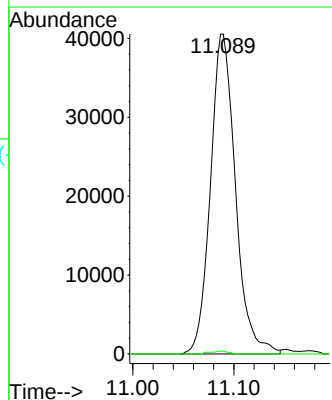
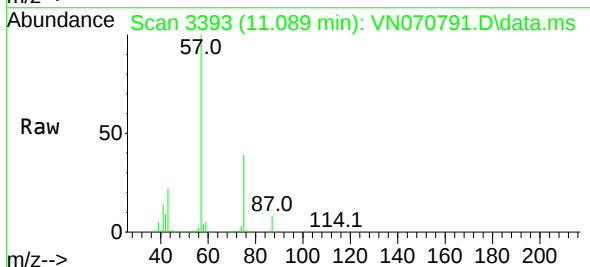
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

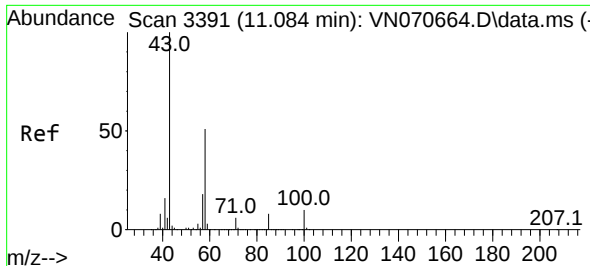
Tgt Ion: 69 Resp: 1292
Ion Ratio Lower Upper
69 100
41 3155.7 51.4 77.0#
39 1401.3 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.720 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

Tgt Ion: 76 Resp: 69725
Ion Ratio Lower Upper
76 100
78 0.6 25.7 38.5#

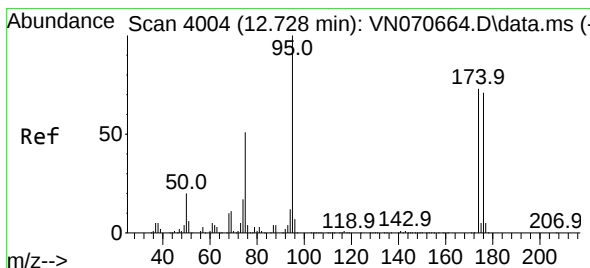
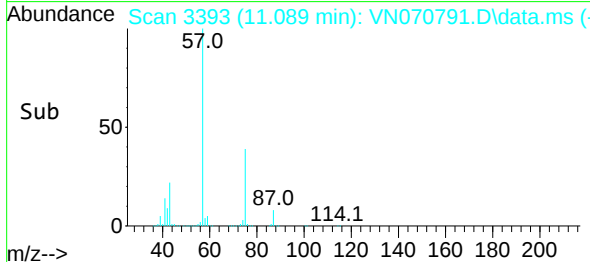
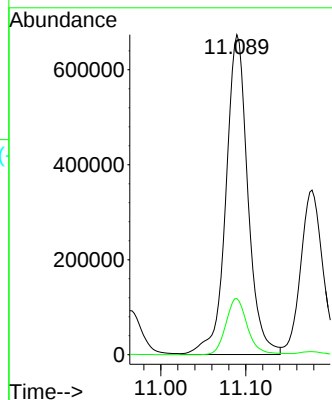
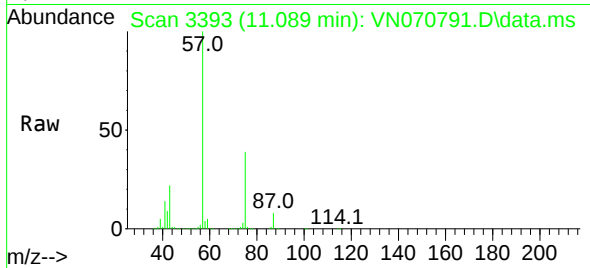




#59
2-Hexanone
Concen: 88.699 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

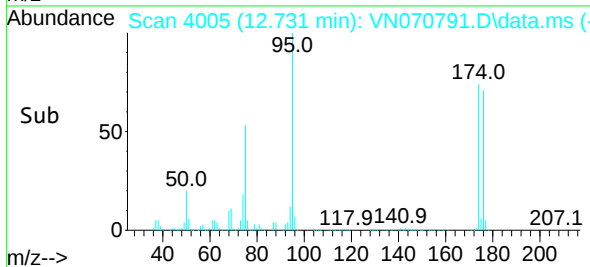
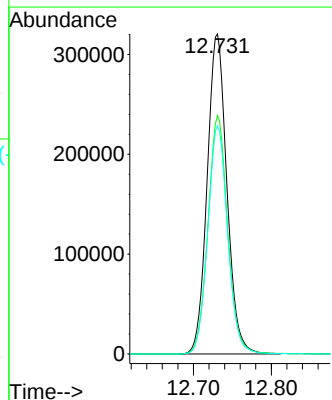
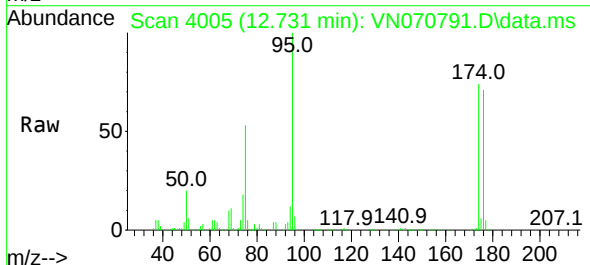
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

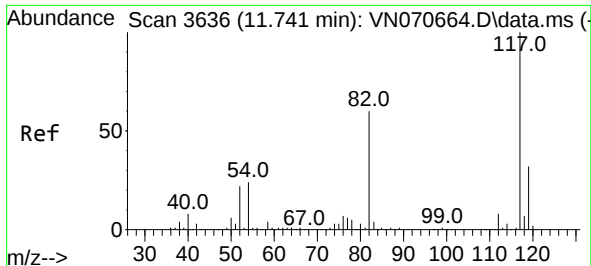
Tgt Ion: 43 Resp: 1212451
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 43.500 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

Tgt Ion: 95 Resp: 564084
Ion Ratio Lower Upper
95 100
174 74.6 0.0 187.2
176 71.8 0.0 181.4

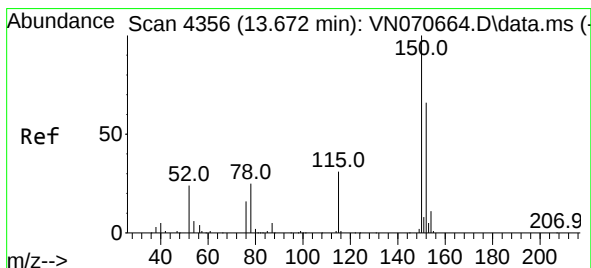
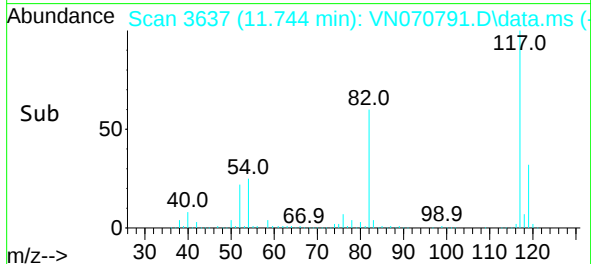
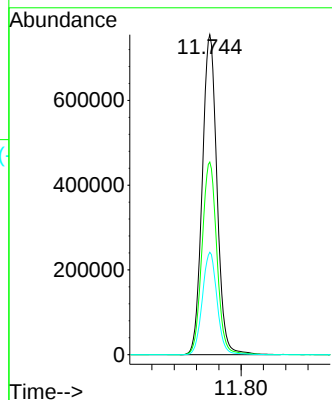
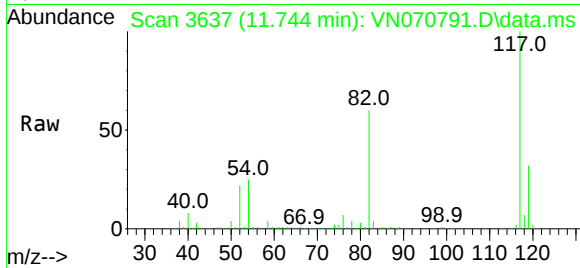




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. 0.003 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

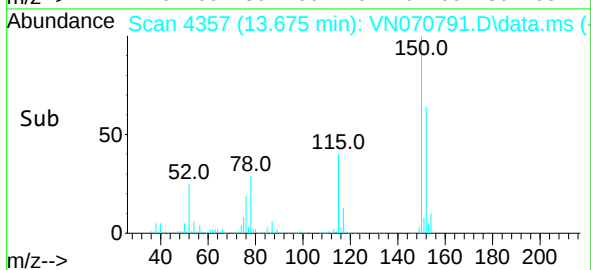
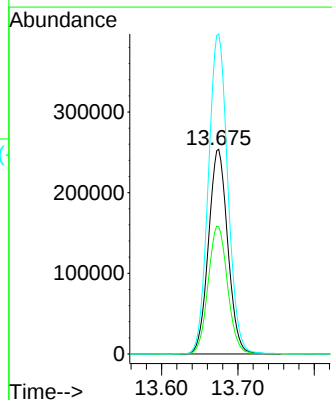
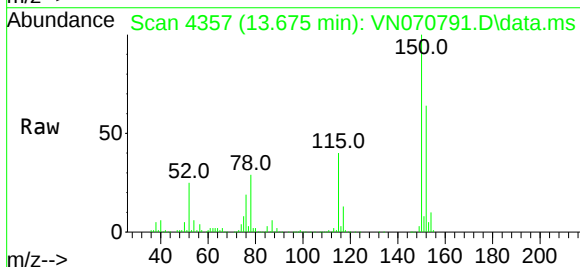
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

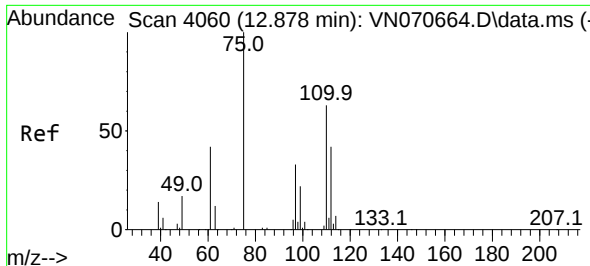
Tgt Ion:117 Resp: 1384320
Ion Ratio Lower Upper
117 100
82 60.2 42.4 63.6
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

Tgt Ion:152 Resp: 444906
Ion Ratio Lower Upper
152 100
115 63.0 27.5 82.5
150 157.3 0.0 344.4

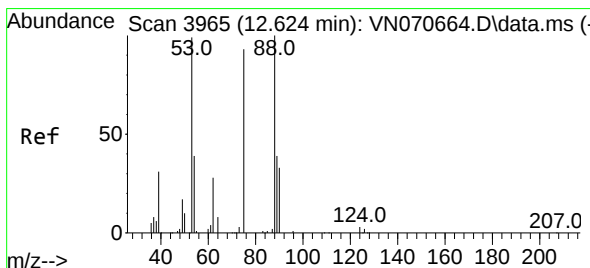
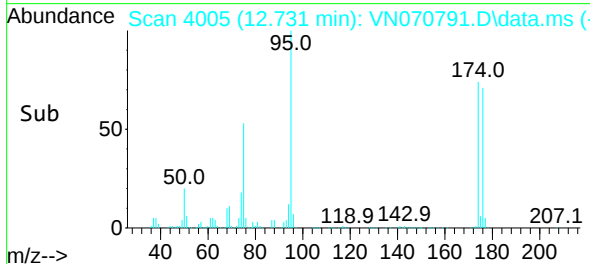
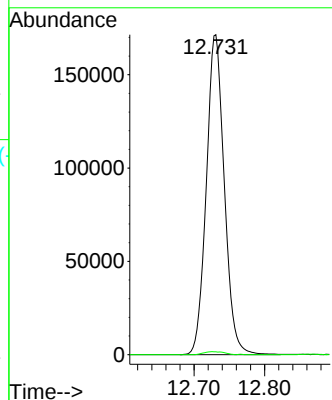
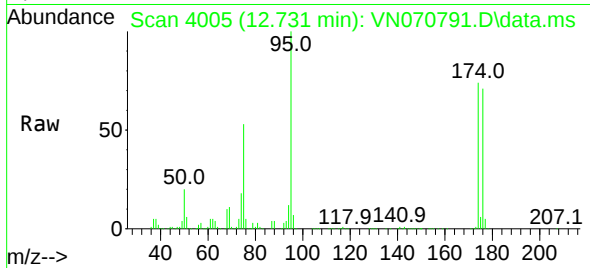




#76
1,2,3-Trichloropropane
Concen: 25.736 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

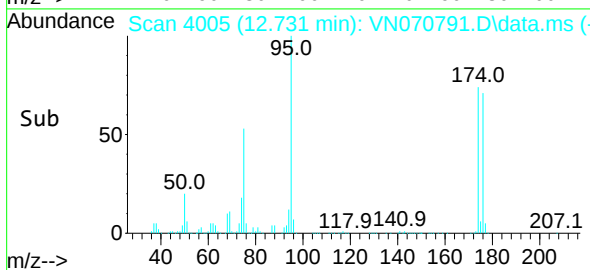
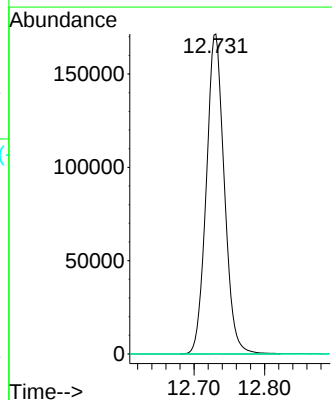
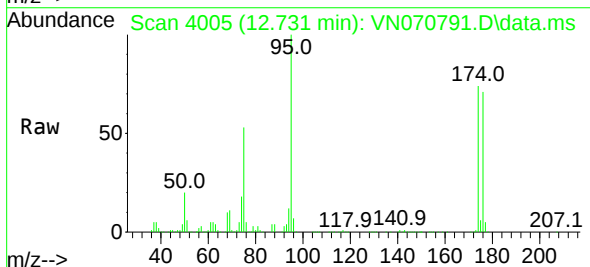
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-EXT-WALL

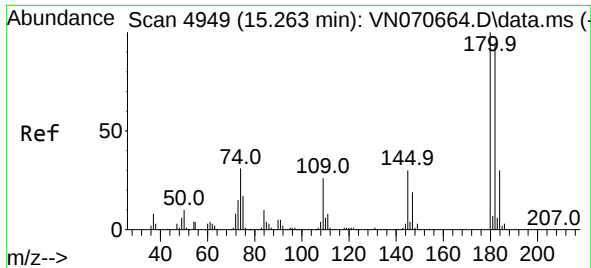
Tgt Ion: 75 Resp: 303683
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.671 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070791.D
Acq: 26 Jan 2022 15:48

Tgt Ion: 75 Resp: 303683
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

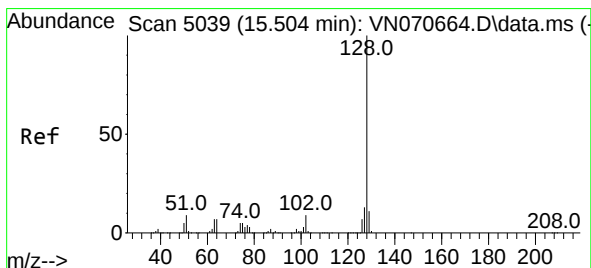
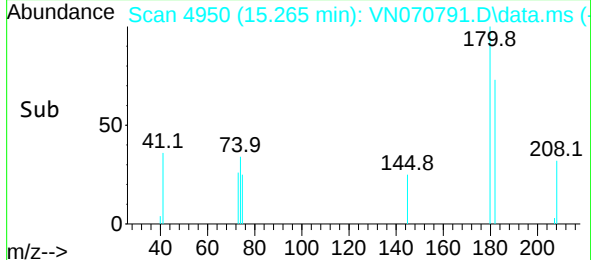
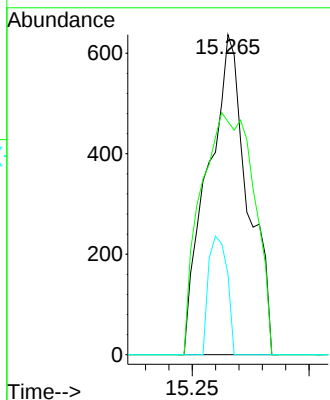
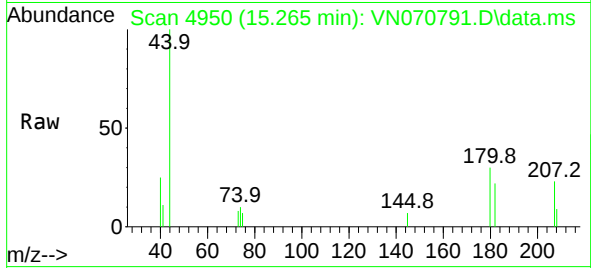




#93
 1,2,4-Trichlorobenzene
 Concen: 3.511 ug/l
 RT: 15.265 min Scan# 4949
 Delta R.T. 0.002 min
 Lab File: VN070791.D
 Acq: 26 Jan 2022 15:48

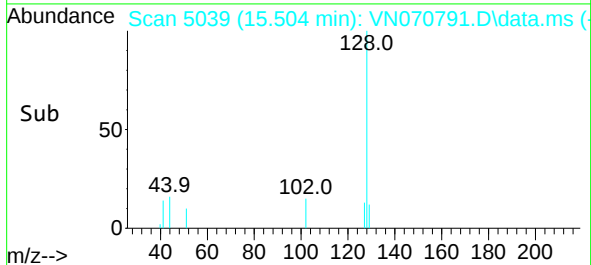
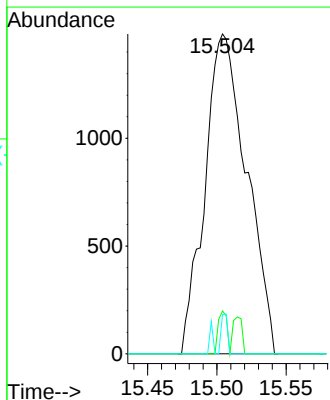
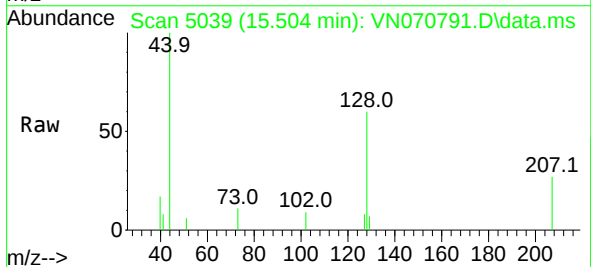
Instrument :
 MSVOA_N
 ClientSampleId :
 RED-BRICK-EXT-WALL

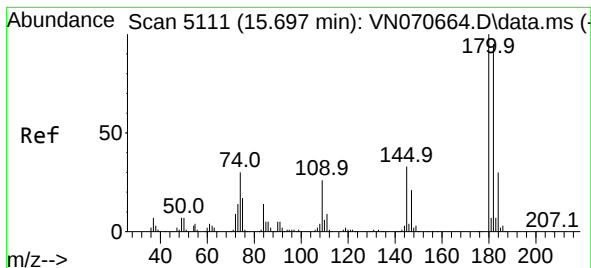
Tgt Ion:180 Resp: 755
 Ion Ratio Lower Upper
 180 100
 182 100.7 48.3 144.9
 145 17.2 14.5 43.5



#95
 Naphthalene
 Concen: 5.070 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. 0.000 min
 Lab File: VN070791.D
 Acq: 26 Jan 2022 15:48

Tgt Ion:128 Resp: 3109
 Ion Ratio Lower Upper
 128 100
 127 2.8 10.5 15.7#
 129 1.9 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 3.262 ug/l

RT: 15.697 min Scan# 5111

Delta R.T. 0.000 min

Lab File: VN070791.D

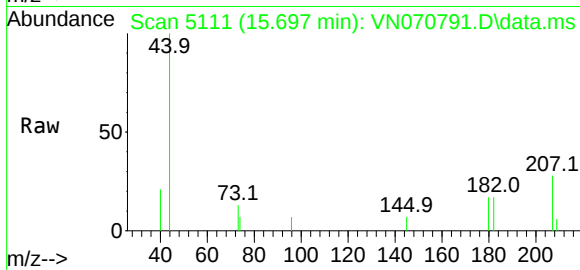
Acq: 26 Jan 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :

RED-BRICK-EXT-WALL



Tgt Ion:180 Resp: 384

Ion Ratio Lower Upper

180 100

182 208.1 47.4 142.2#

145 48.2 15.0 45.1#

