

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011722\
 Data File : VN070655.D
 Acq On : 17 Jan 2022 19:27
 Operator : JC/MD
 Sample : N1099-09
 Misc : 5.77g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VACLOT-BACKFILL-TILCON-09

Quant Time: Jan 18 03:20:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

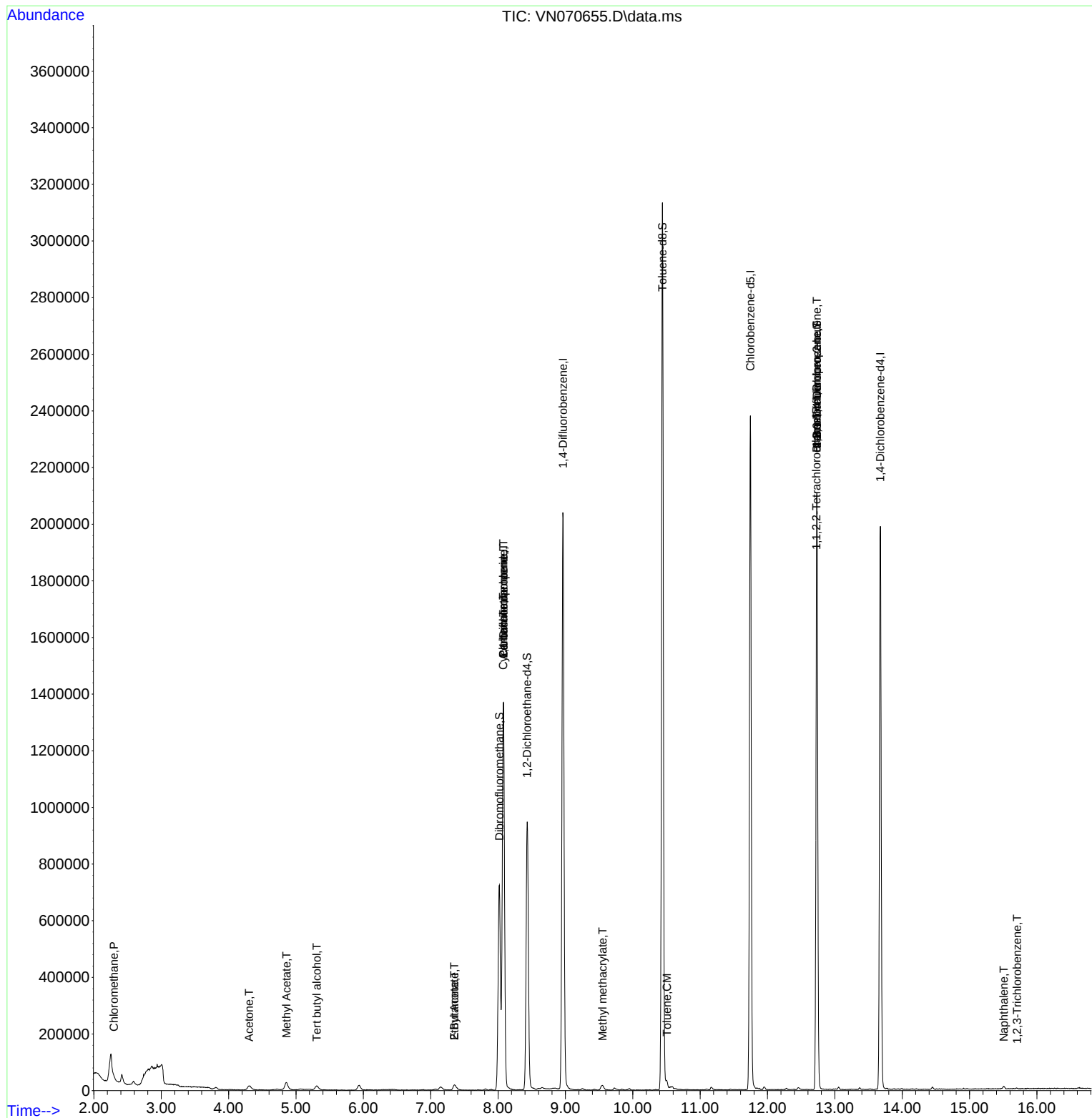
Internal Standards						
1) Pentafluorobenzene	8.080	168	1071509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1779720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1388937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	553164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	802754	52.106	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.220%	
35) Dibromofluoromethane	8.019	113	542330	50.364	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.720%	
50) Toluene-d8	10.440	98	2209361	50.225	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.460%	
62) 4-Bromofluorobenzene	12.733	95	777164	48.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	3751	0.227	ug/l	91
11) Tert butyl alcohol	5.310	59	16550	6.452	ug/l #	71
16) Acetone	4.304	43	14476	1.447	ug/l	92
18) Methyl Acetate	4.857	43	56057	1.938	ug/l	93
25) 2-Butanone	7.351	43	40163	3.189	ug/l	93
31) Cyclohexane	8.075	56	23537	0.968	ug/l #	11
36) 1,1-Dichloropropene	8.078	75	87794	4.929	ug/l #	48
37) Ethyl Acetate	7.351	43	40163	1.739	ug/l #	68
38) Carbon Tetrachloride	8.078	117	102507	6.026	ug/l #	16
48) Methyl methacrylate	9.553	41	7543	0.434	ug/l #	11
52) Toluene	10.505	92	7529	0.228	ug/l	96
71) Bromoform	12.731	173	3117	0.399	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.725	83	378	0.467	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	400067	25.828	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	400067	88.362	ug/l #	5
95) Naphthalene	15.507	128	9151	2.147	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.705	180	713	0.906	ug/l #	60

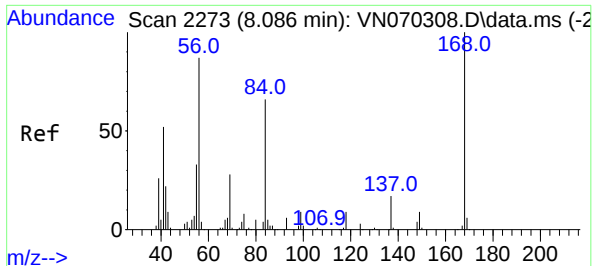
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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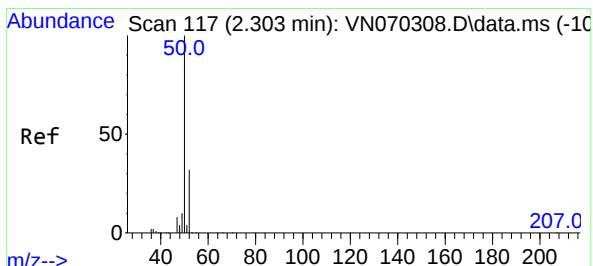
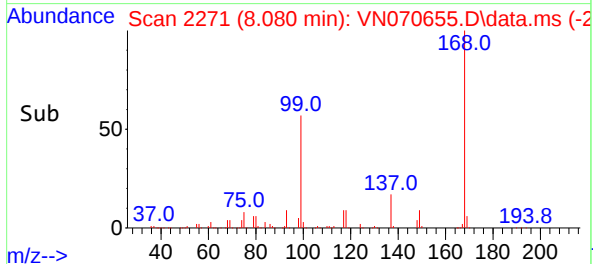
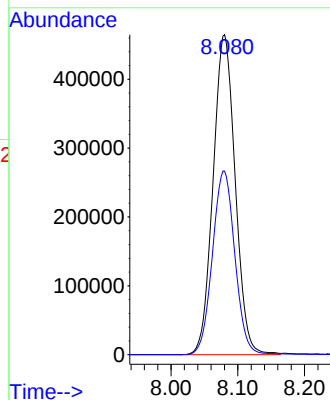
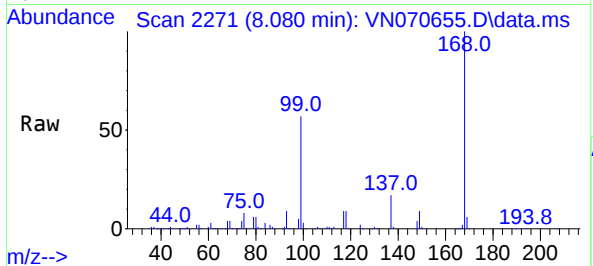




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

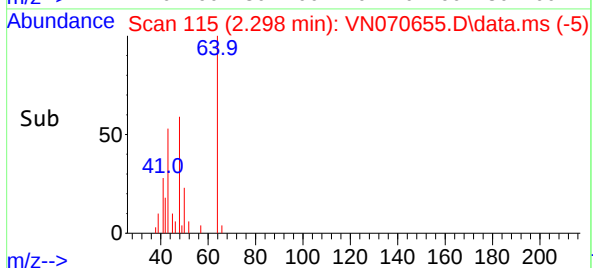
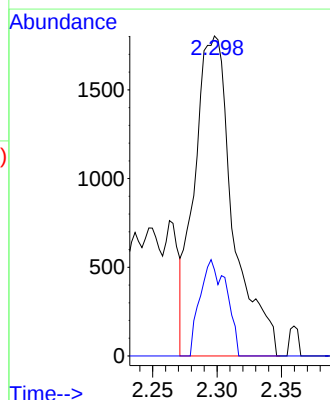
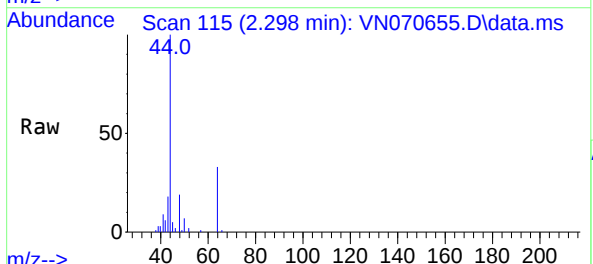
Instrument :
MSVOA_N
ClientSampleId :
VACLOT-BACKFILL-TILCON-09

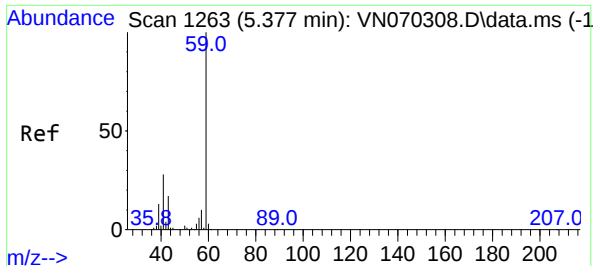
Tgt Ion:168 Resp: 1071509
Ion Ratio Lower Upper
168 100
99 57.4 41.3 61.9



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.005 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Tgt Ion: 50 Resp: 3751
Ion Ratio Lower Upper
50 100
52 26.9 25.4 38.0

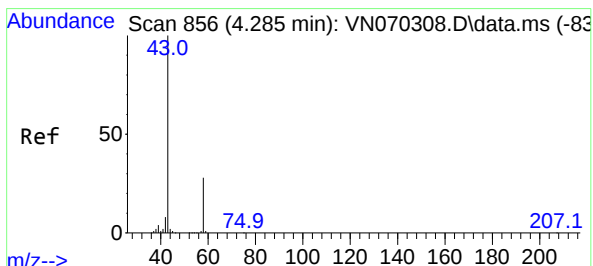
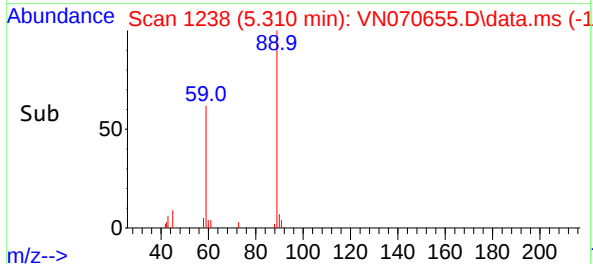
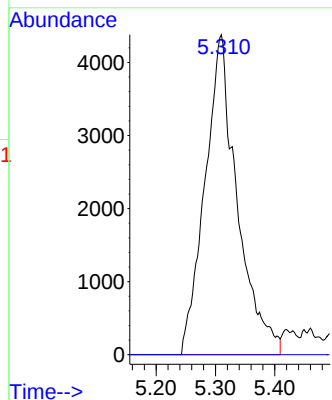
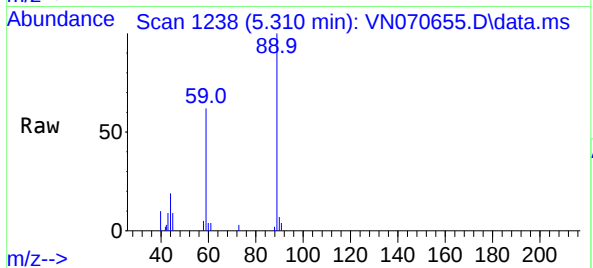




#11
Tert butyl alcohol
Concen: 6.452 ug/l
RT: 5.310 min Scan# 11
Delta R.T. -0.067 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

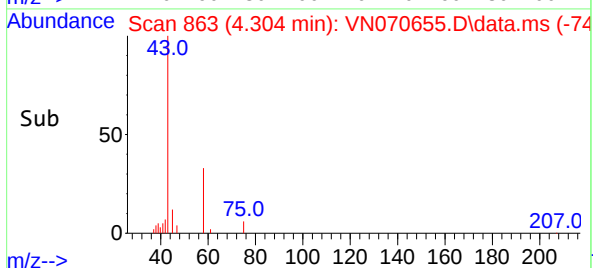
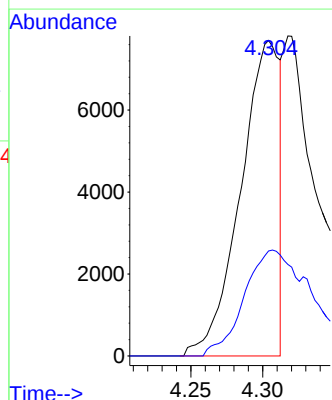
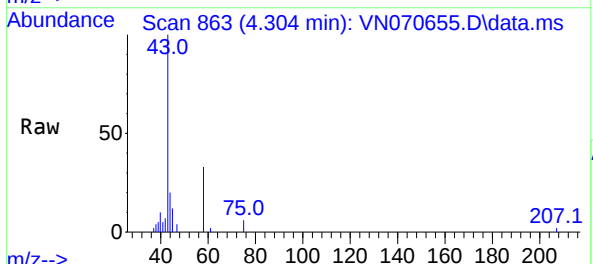
Instrument :
MSVOA_N
ClientSampleId :
VACLOT-BACKFILL-TILCON-09

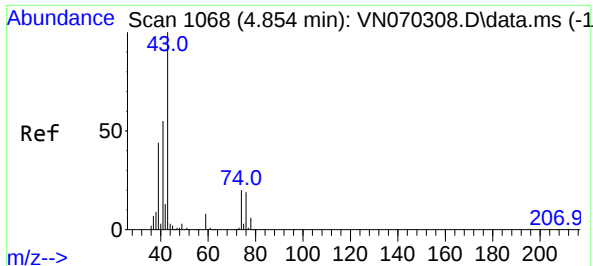
Tgt Ion: 59 Resp: 16550
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 1.447 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Tgt Ion: 43 Resp: 14476
Ion Ratio Lower Upper
43 100
58 33.3 23.1 34.7





#18

Methyl Acetate

Concen: 1.938 ug/l

RT: 4.857 min Scan# 1068

Delta R.T. 0.003 min

Lab File: VN070655.D

Acq: 17 Jan 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

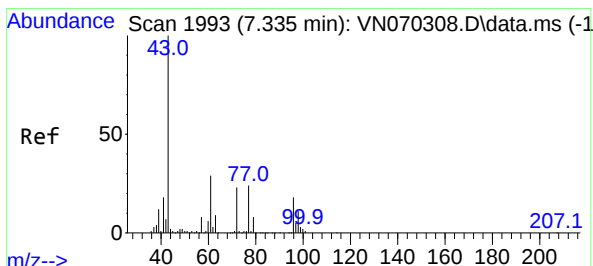
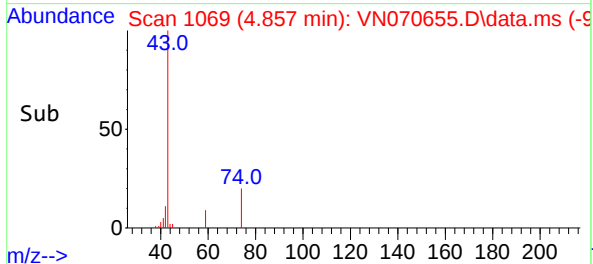
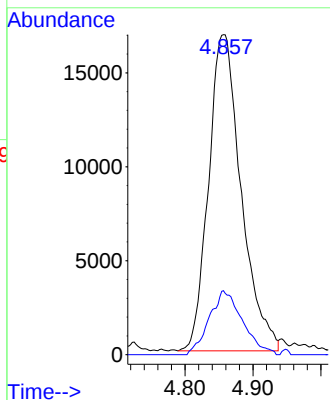
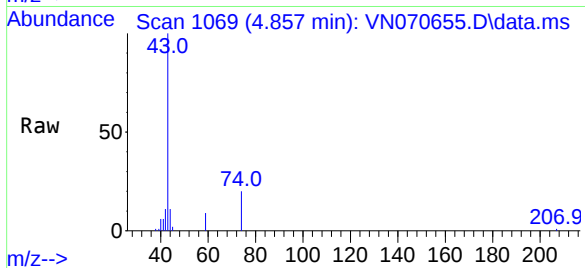
VACLOT-BACKFILL-TILCON-09

Tgt Ion: 43 Resp: 56057

Ion Ratio Lower Upper

43 100

74 20.7 19.4 29.2



#25

2-Butanone

Concen: 3.189 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.016 min

Lab File: VN070655.D

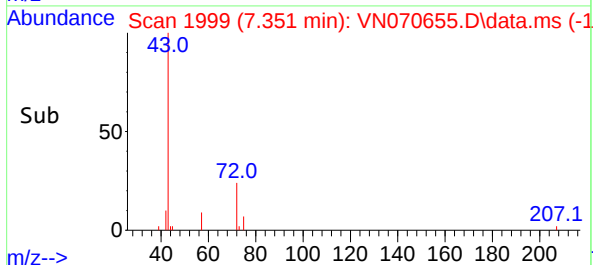
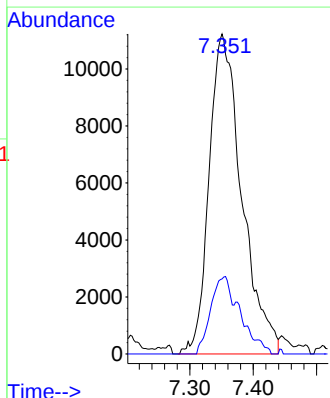
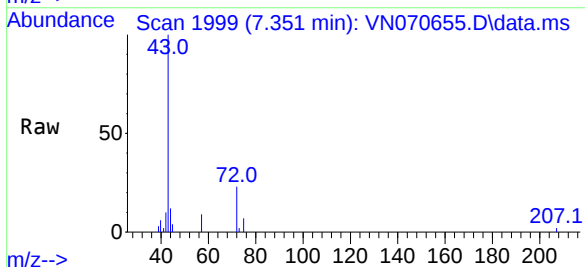
Acq: 17 Jan 2022 19:27

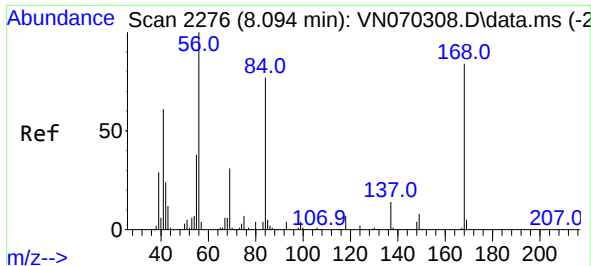
Tgt Ion: 43 Resp: 40163

Ion Ratio Lower Upper

43 100

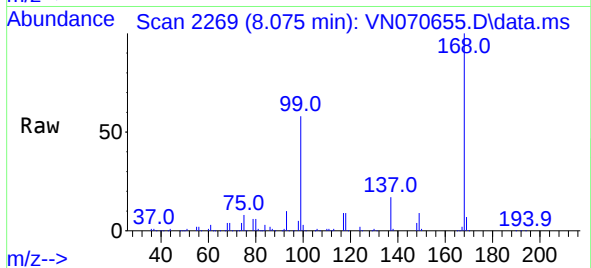
72 23.5 21.7 32.5



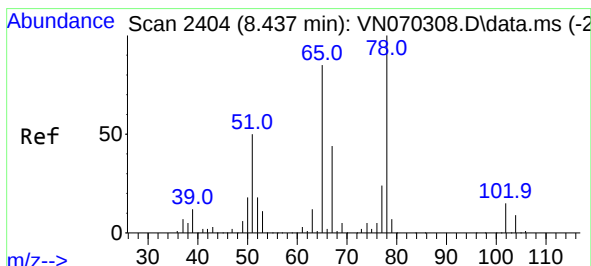
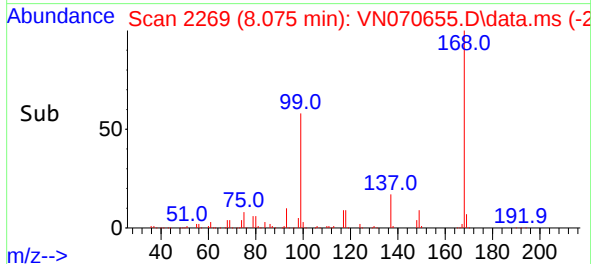
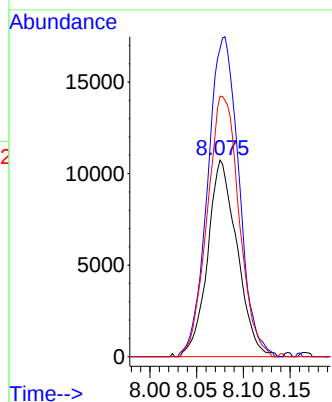


#31
Cyclohexane
Concen: 0.968 ug/l
RT: 8.075 min Scan# 21
Delta R.T. -0.019 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Instrument :
MSVOA_N
ClientSampleId :
VACLOT-BACKFILL-TILCON-09

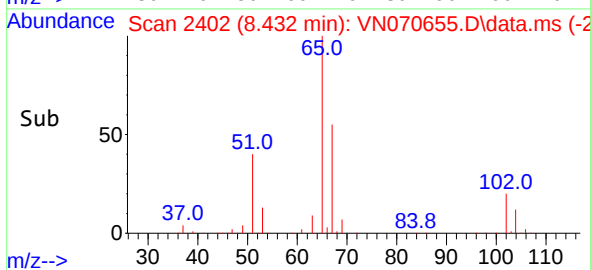
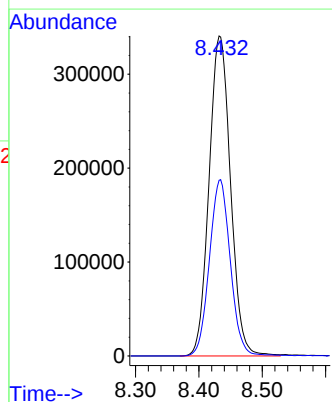
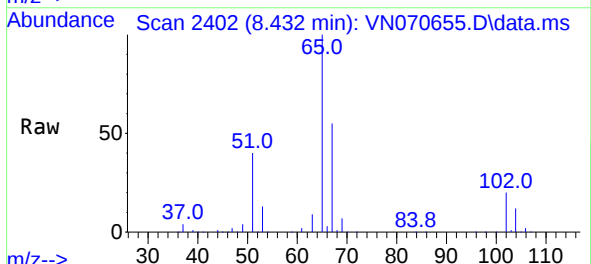


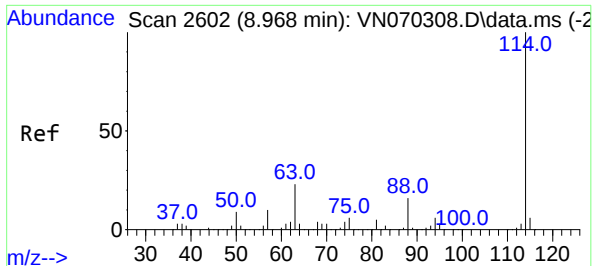
Tgt Ion: 56 Resp: 23537
Ion Ratio Lower Upper
56 100
69 156.8 27.1 40.7#
84 132.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.106 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.005 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Tgt Ion: 65 Resp: 802754
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 2

Delta R.T. -0.005 min

Lab File: VN070655.D

Acq: 17 Jan 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

VACLOT-BACKFILL-TILCON-09

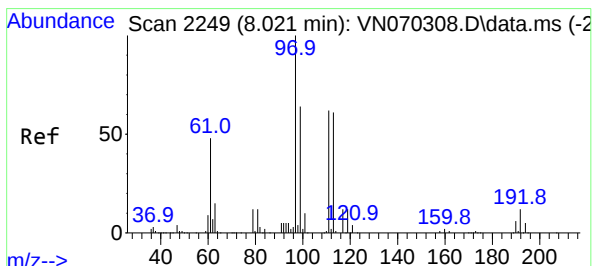
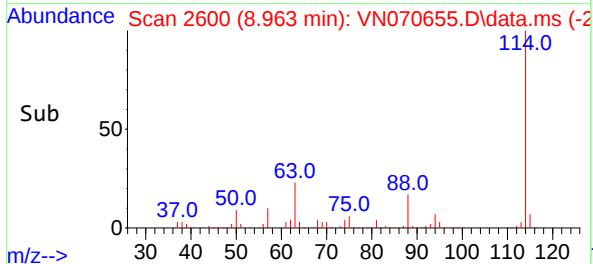
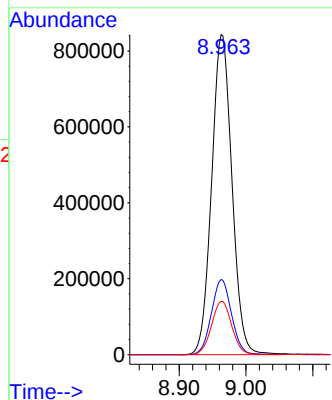
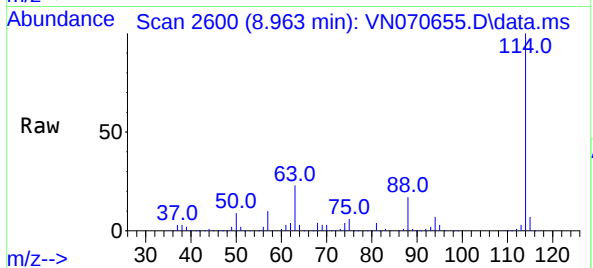
Tgt Ion:114 Resp: 1779720

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.7 0.0 27.4



#35

Dibromofluoromethane

Concen: 50.364 ug/l

RT: 8.019 min Scan# 2248

Delta R.T. -0.002 min

Lab File: VN070655.D

Acq: 17 Jan 2022 19:27

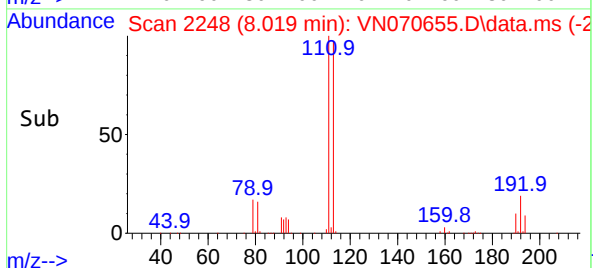
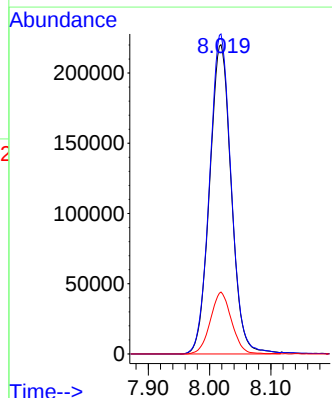
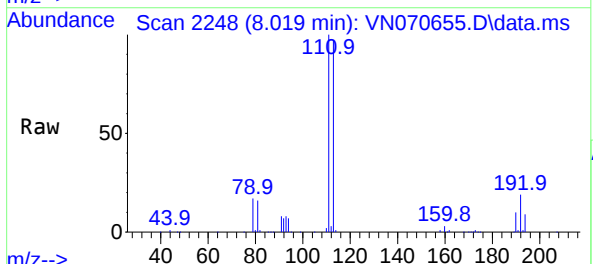
Tgt Ion:113 Resp: 542330

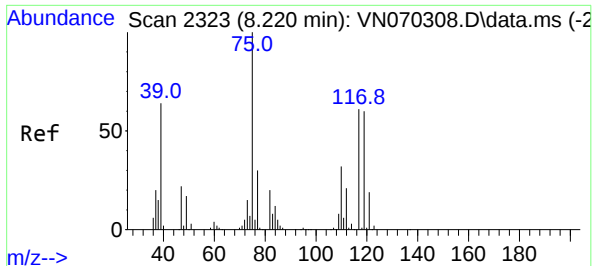
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 19.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.929 ug/l

RT: 8.078 min Scan# 21

Delta R.T. -0.142 min

Lab File: VN070655.D

Acq: 17 Jan 2022 19:27

Instrument :

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ClientSampleId :

VACLOT-BACKFILL-TILCON-09

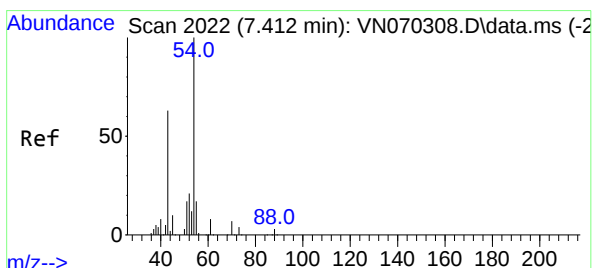
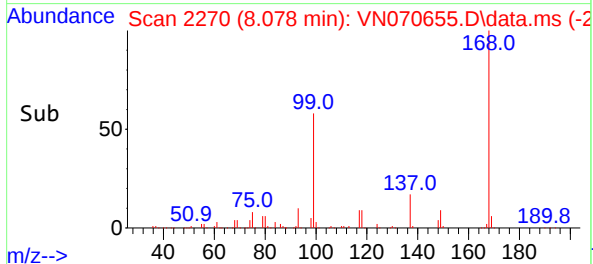
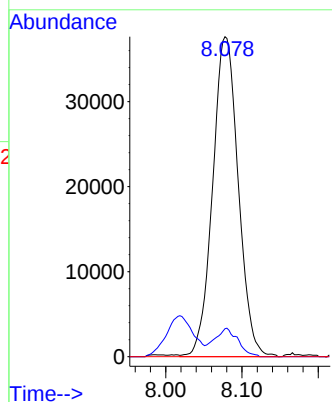
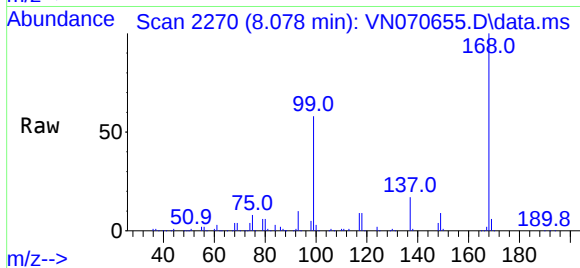
Tgt Ion: 75 Resp: 87794

Ion Ratio Lower Upper

75 100

110 8.1 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.739 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. -0.061 min

Lab File: VN070655.D

Acq: 17 Jan 2022 19:27

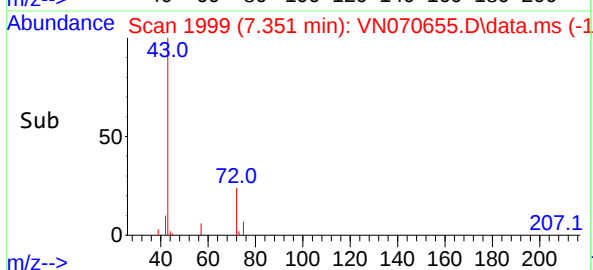
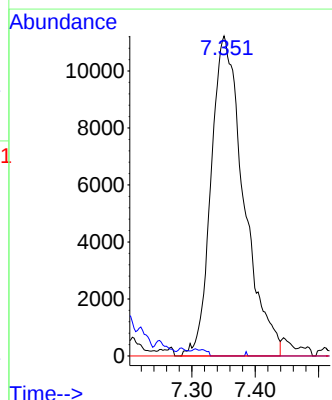
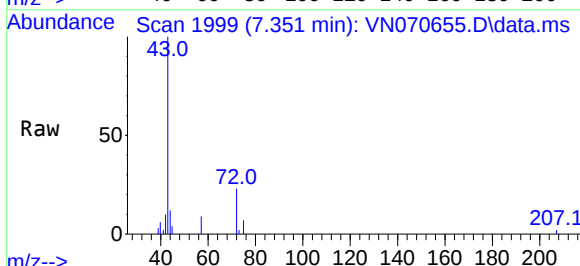
Tgt Ion: 43 Resp: 40163

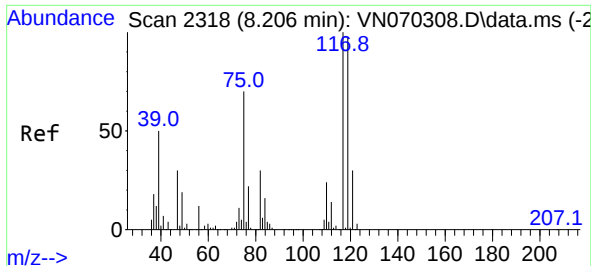
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#

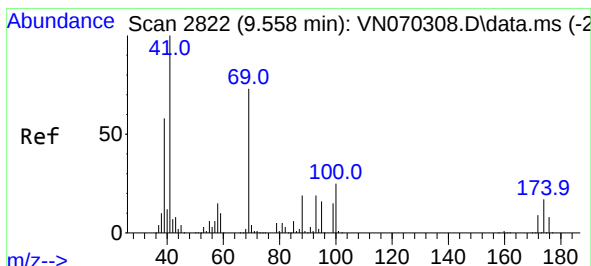
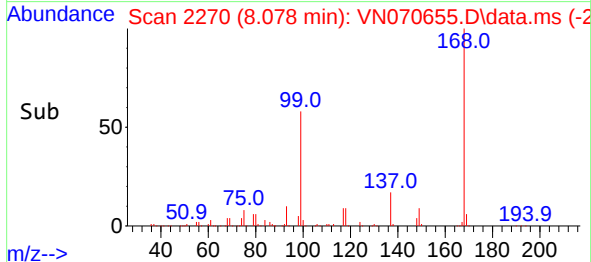
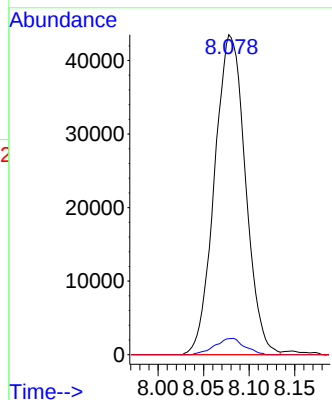
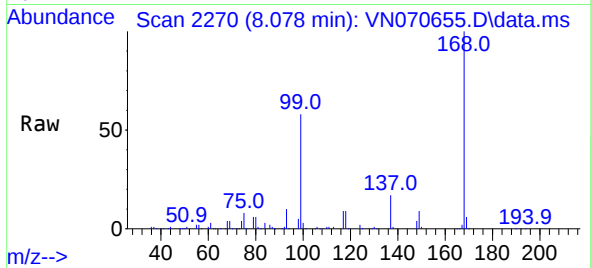




#38
Carbon Tetrachloride
Concen: 6.026 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.128 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

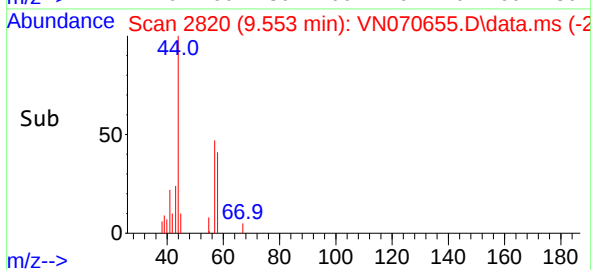
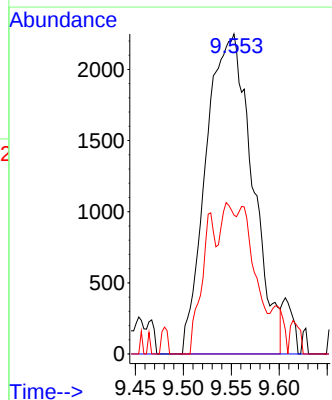
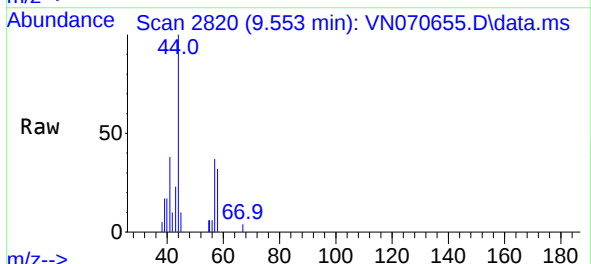
Instrument :
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VACLOT-BACKFILL-TILCON-09

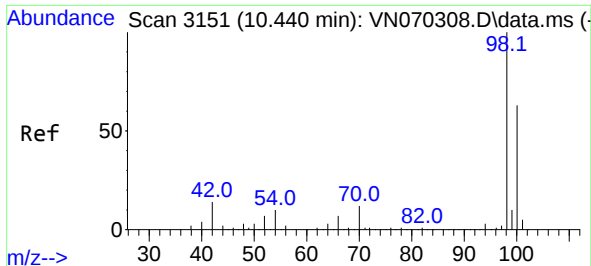
Tgt Ion:117 Resp: 102507
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#48
Methyl methacrylate
Concen: 0.434 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.005 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Tgt Ion: 41 Resp: 7543
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 4.6 58.4 87.6#

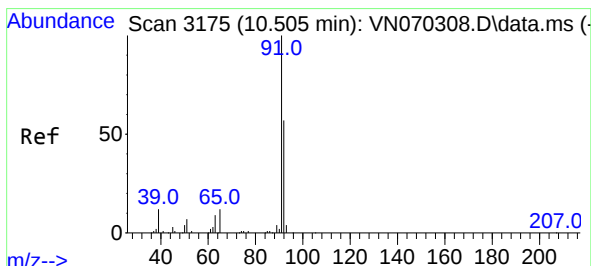
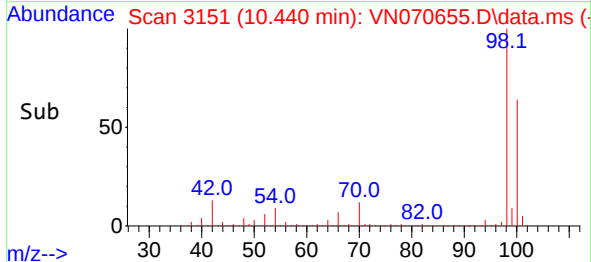
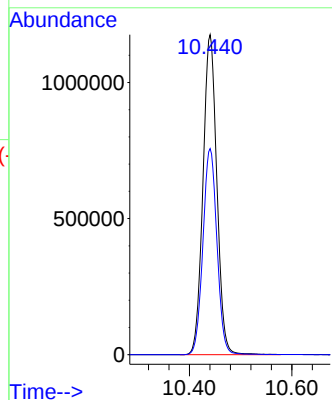
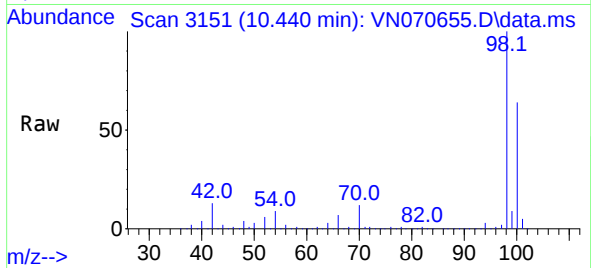




#50
Toluene-d8
Concen: 50.225 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

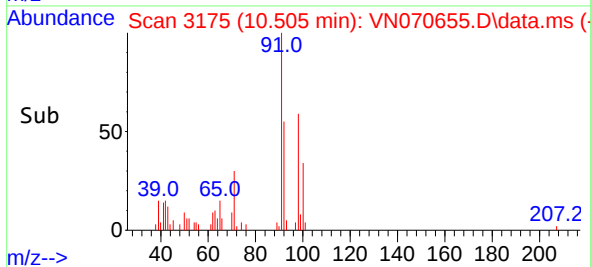
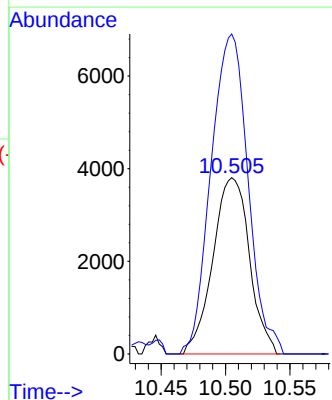
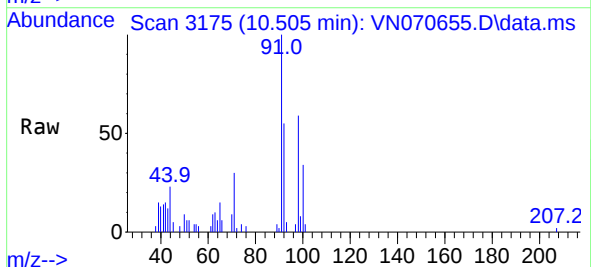
Instrument :
MSVOA_N
ClientSampleId :
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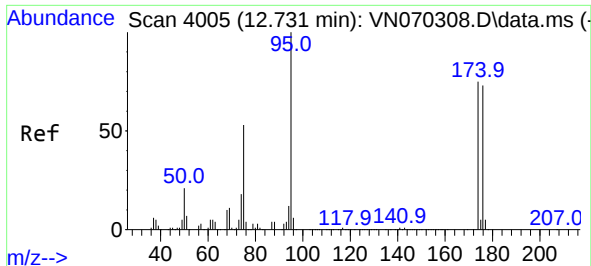
Tgt Ion: 98 Resp: 2209361
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6



#52
Toluene
Concen: 0.228 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Tgt Ion: 92 Resp: 7529
Ion Ratio Lower Upper
92 100
91 183.2 142.0 213.0

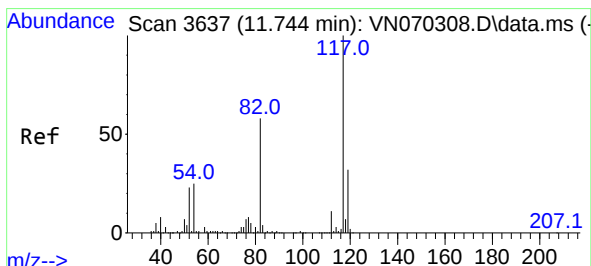
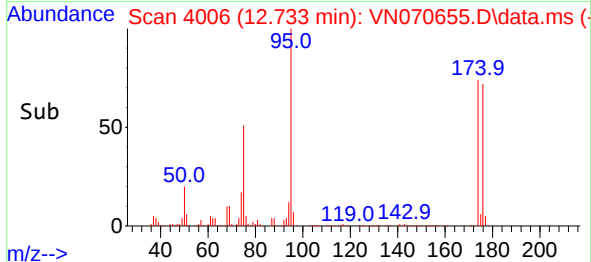
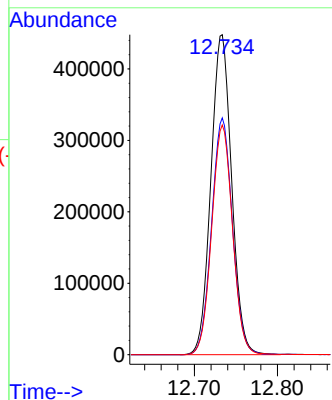
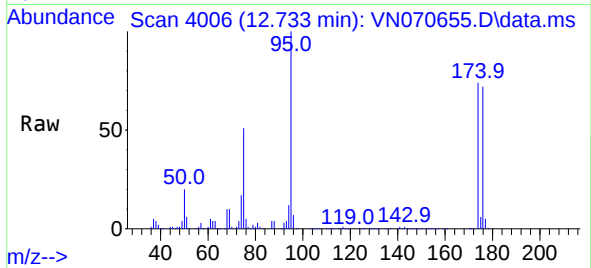




#62
4-Bromofluorobenzene
Concen: 48.915 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

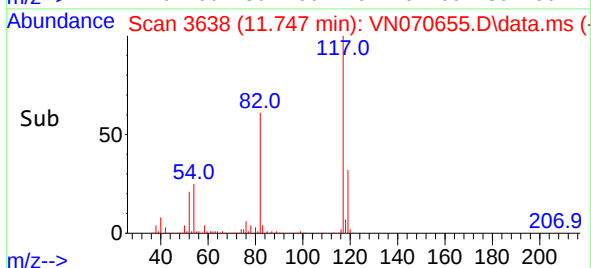
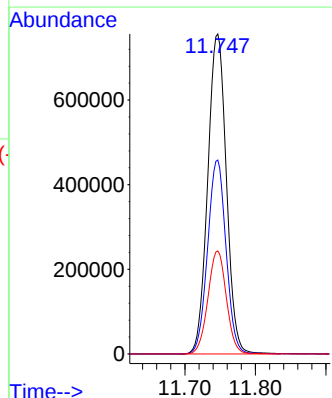
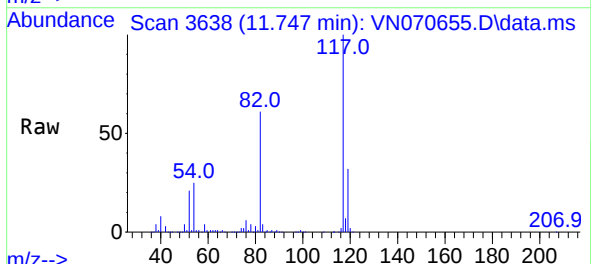
Instrument :
MSVOA_N
ClientSampleId :
VACLOT-BACKFILL-TILCON-09

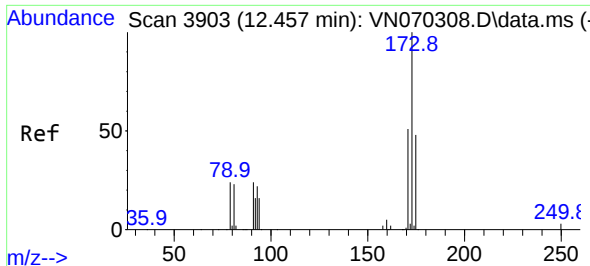
Tgt Ion: 95 Resp: 777164
Ion Ratio Lower Upper
95 100
174 74.5 0.0 187.2
176 72.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Tgt Ion: 117 Resp: 1388937
Ion Ratio Lower Upper
117 100
82 60.6 42.4 63.6
119 32.2 25.4 38.2

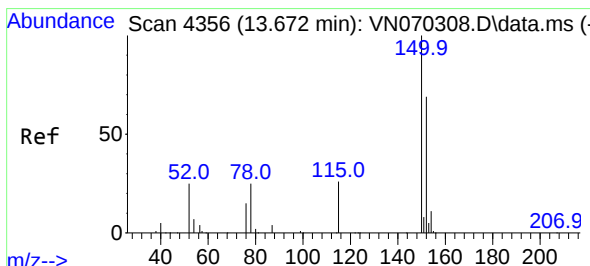
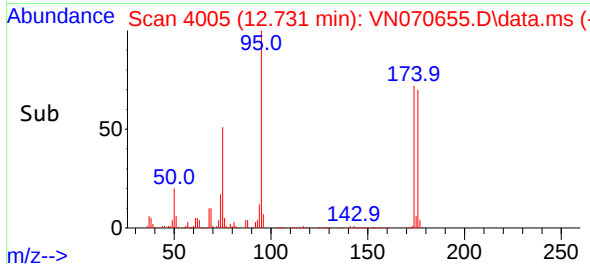
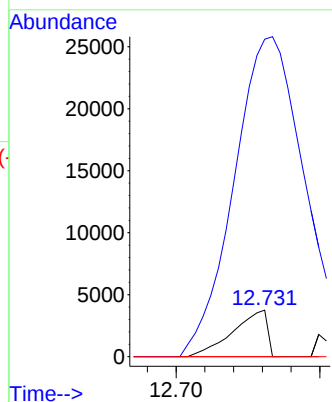
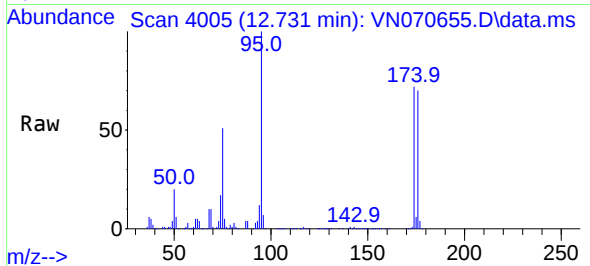




#71
Bromoform
Concen: 0.399 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

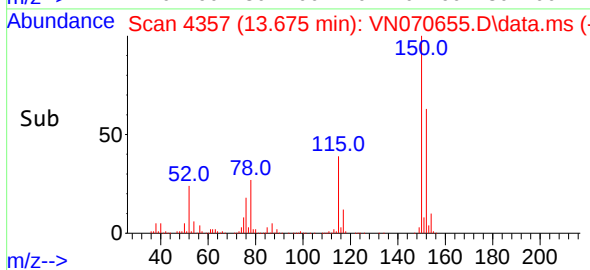
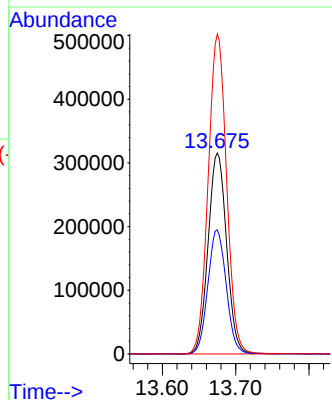
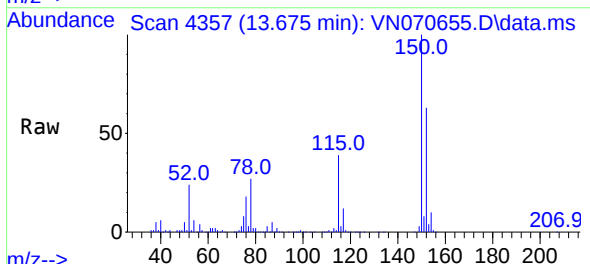
Instrument :
MSVOA_N
ClientSampleId :
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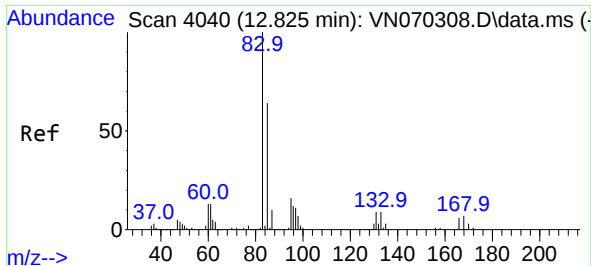
Tgt Ion:173 Resp: 3117
Ion Ratio Lower Upper
173 100
175 1288.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Tgt Ion:152 Resp: 553164
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 158.2 0.0 344.4

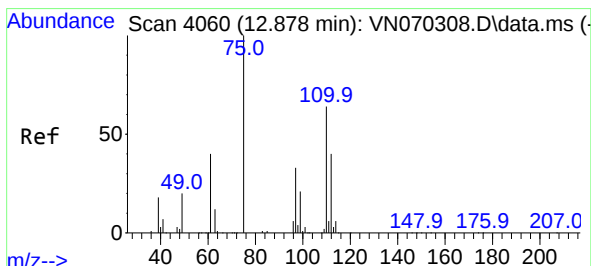
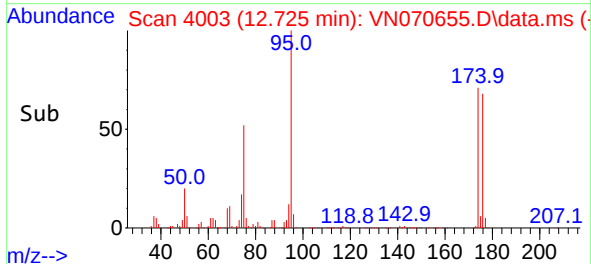
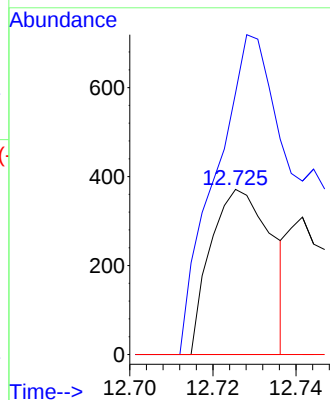
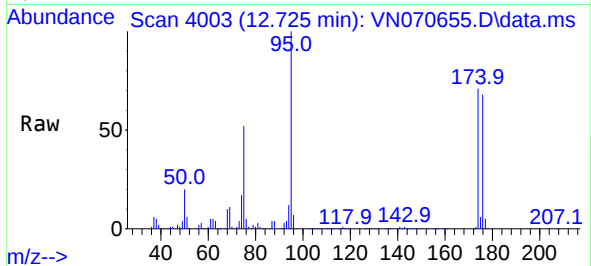




#75
1,1,2,2-Tetrachloroethane
Concen: 0.467 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. -0.100 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

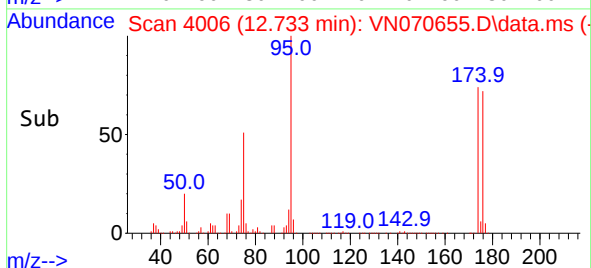
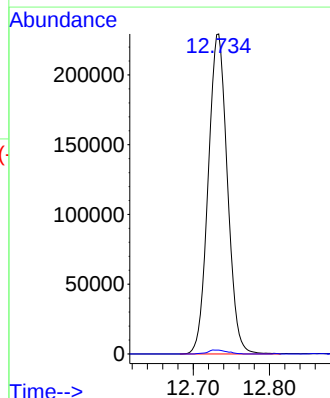
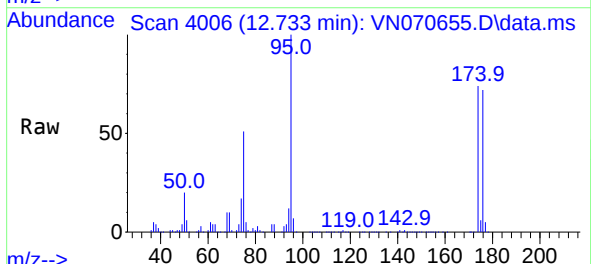
Instrument :
MSVOA_N
ClientSampleId :
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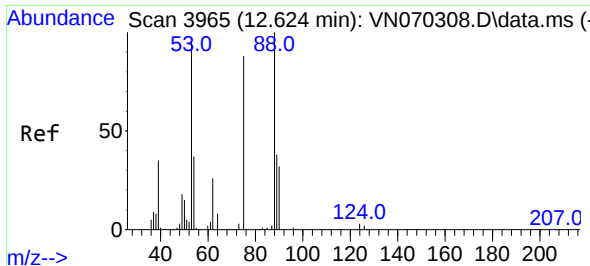
Tgt Ion: 83 Resp: 378
Ion Ratio Lower Upper
83 100
131 276.5 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 25.828 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.145 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Tgt Ion: 75 Resp: 400067
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

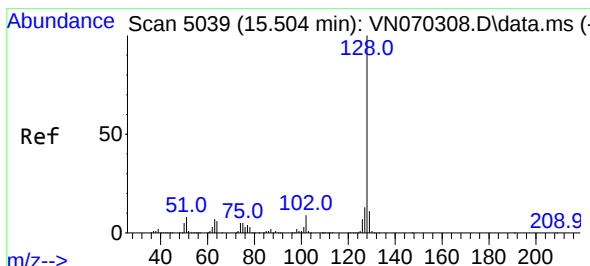
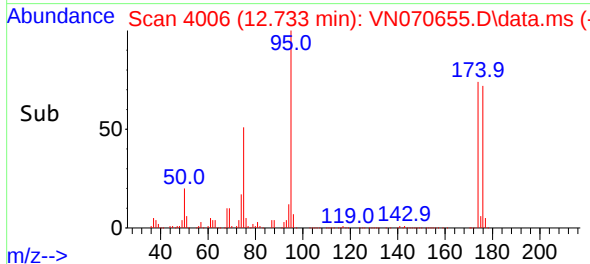
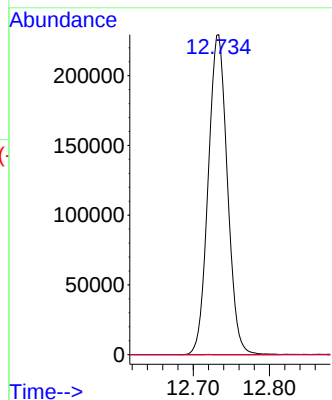
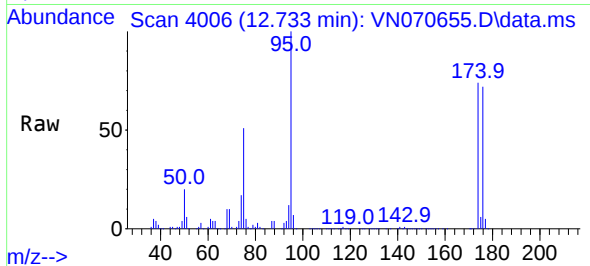




#81
trans-1,4-Dichloro-2-butene
Concen: 88.362 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.109 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

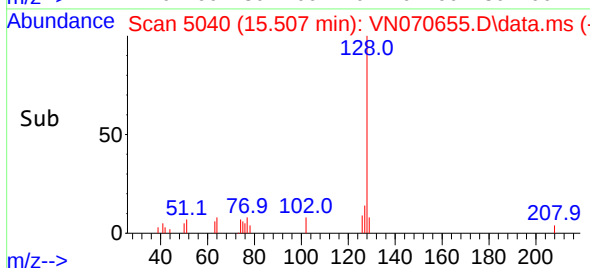
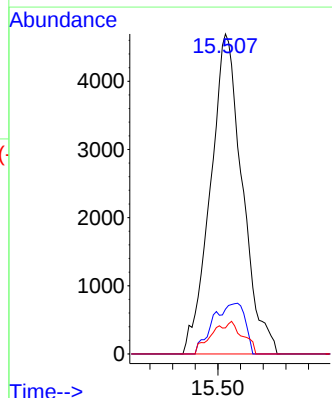
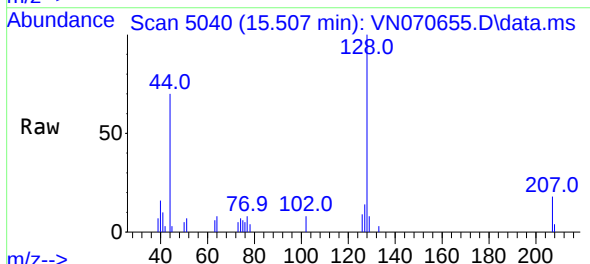
Instrument :
MSVOA_N
ClientSampleId :
VACLOT-BACKFILL-TILCON-09

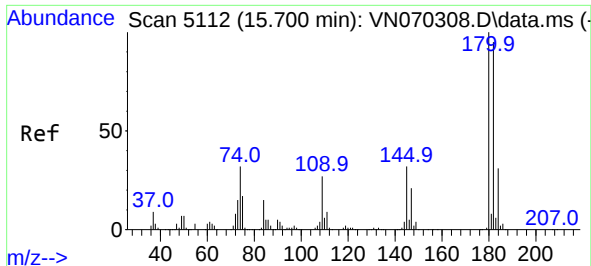
Tgt Ion: 75 Resp: 400067
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 2.147 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070655.D
Acq: 17 Jan 2022 19:27

Tgt Ion: 128 Resp: 9151
Ion Ratio Lower Upper
128 100
127 5.3 10.5 15.7#
129 4.3 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.906 ug/l

RT: 15.705 min Scan# 5114

Delta R.T. 0.005 min

Lab File: VN070655.D

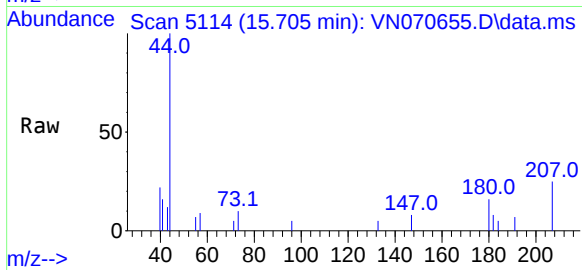
Acq: 17 Jan 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:180 Resp: 713

Ion Ratio Lower Upper

180 100

182 56.1 47.4 142.2

145 8.0 15.0 45.1#

