

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011122\
 Data File : VY007119.D
 Acq On : 11 Jan 2022 16:53
 Operator : SY/MD
 Sample : N1099-05
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VACLOT-BACKFILL-TILCON-05

Quant Time: Jan 12 05:09:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

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

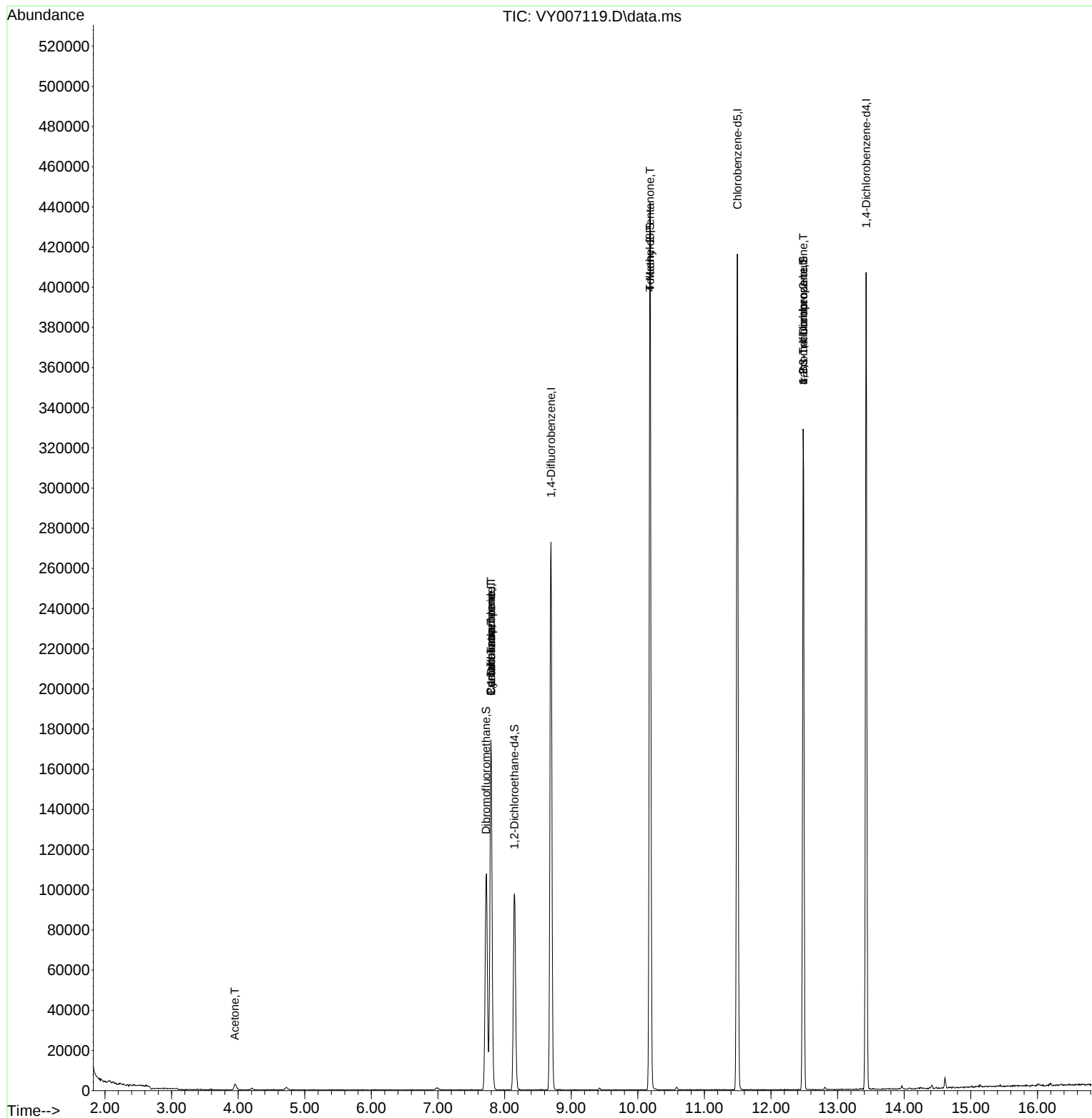
Internal Standards						
1) Pentafluorobenzene	7.795	168	127820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	235334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	220760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	81967	53.603	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.200%	
35) Dibromofluoromethane	7.722	113	77861	49.642	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.280%	
50) Toluene-d8	10.185	98	287836	49.683	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.360%	
62) 4-Bromofluorobenzene	12.483	95	104348	49.941	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.880%	
Target Compounds						
					Qvalue	
13) Acrolein	3.741	56	23	Below Cal	#	79
16) Acetone	3.948	43	5457	19.021	ug/l	94
20) Methylene Chloride	4.722	84	969	Below Cal	#	88
31) Cyclohexane	7.795	56	2928	1.112	ug/l	# 1
36) 1,1-Dichloropropene	7.795	75	10664	4.291	ug/l	# 50
38) Carbon Tetrachloride	7.795	117	13858	5.337	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.185	43	1304	1.122	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	56389	51.712	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	56389	97.128	ug/l	# 3

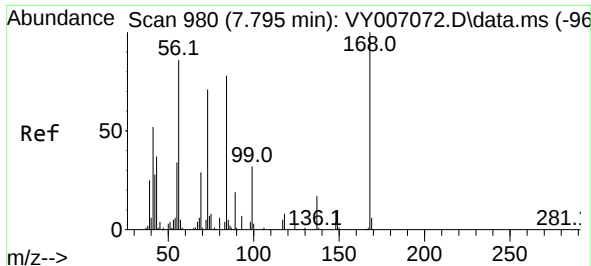
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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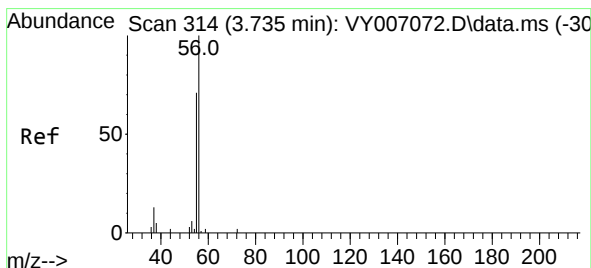
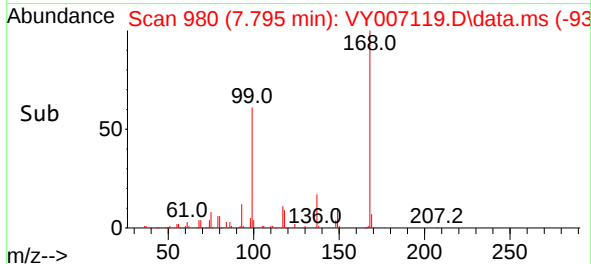
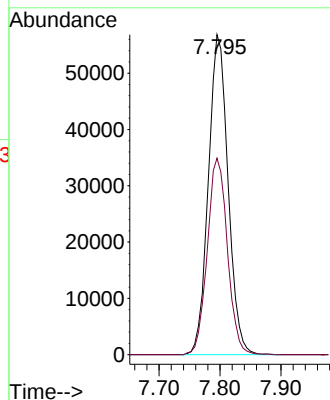
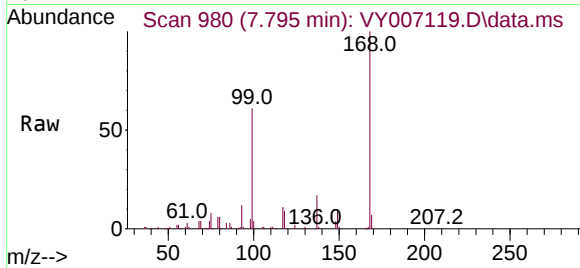




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

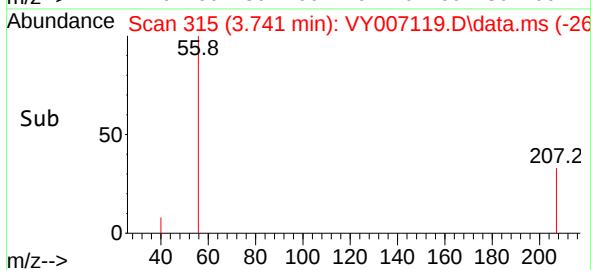
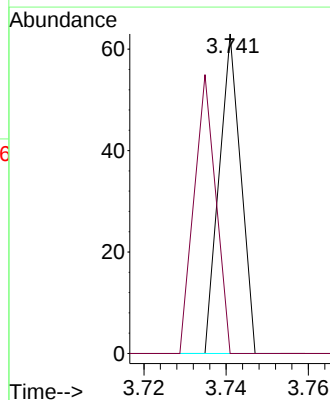
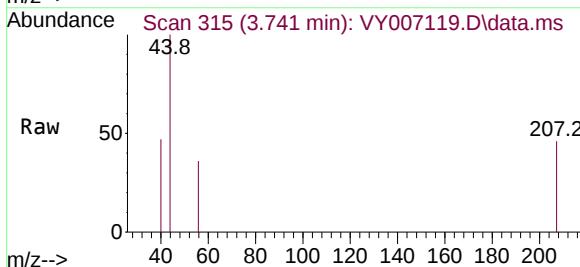
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-BACKFILL-TILCON-05

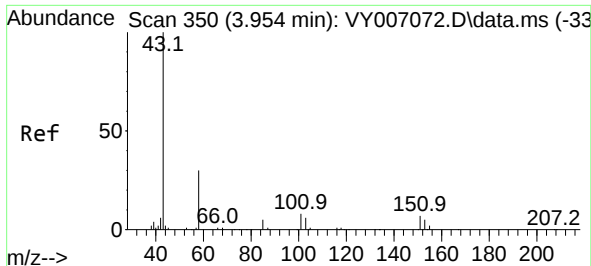
Tgt Ion:168 Resp: 127820
Ion Ratio Lower Upper
168 100
99 61.4 49.1 73.7



#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 87.0 55.7 83.5#

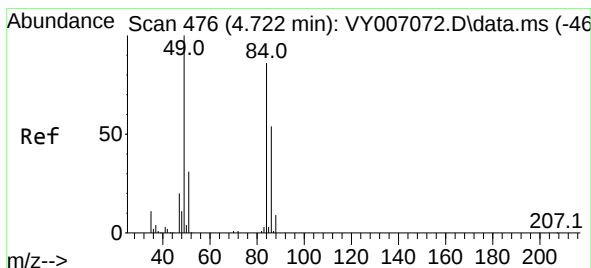
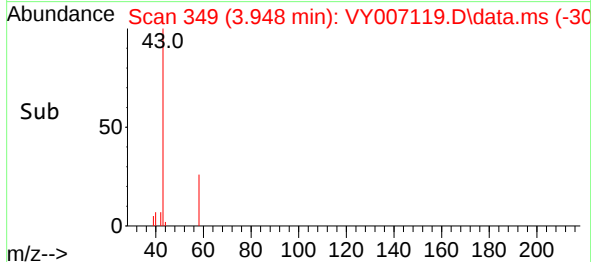
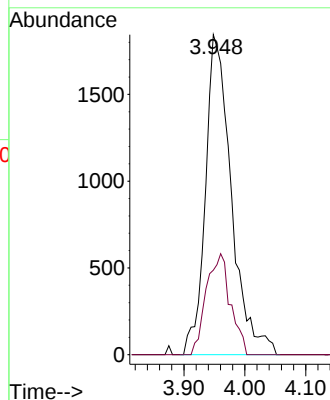
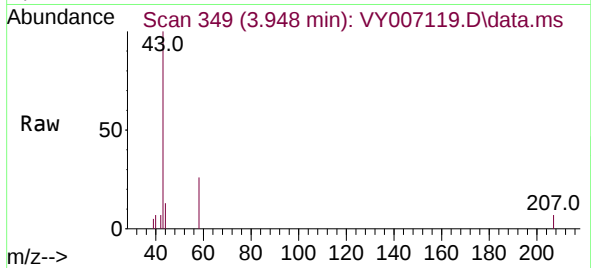




#16
Acetone
Concen: 19.021 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

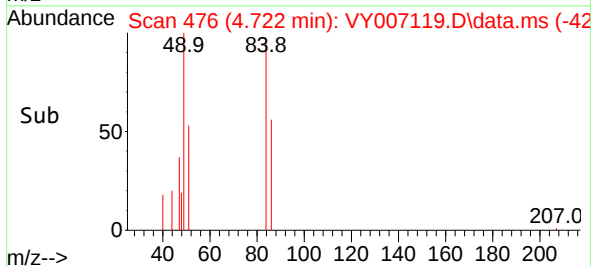
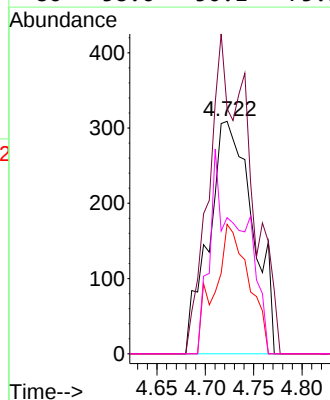
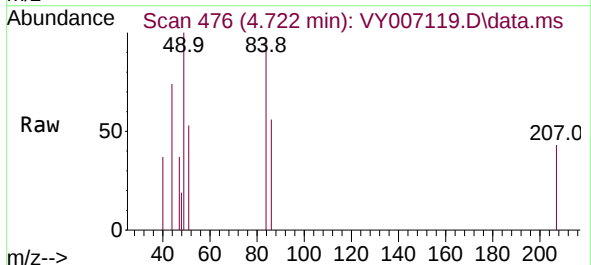
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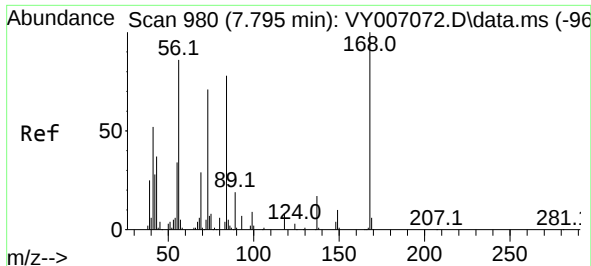
Tgt Ion: 43 Resp: 5457
Ion Ratio Lower Upper
43 100
58 26.4 23.8 35.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

Tgt Ion: 84 Resp: 969
Ion Ratio Lower Upper
84 100
49 105.5 92.6 139.0
51 55.7 28.6 42.8#
86 58.6 50.1 75.1

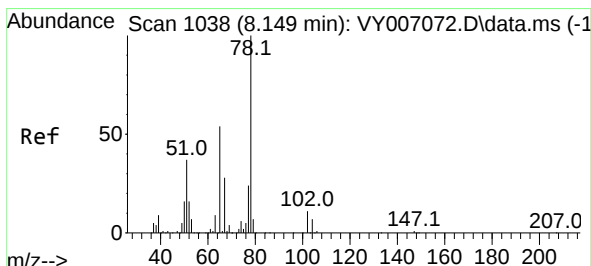
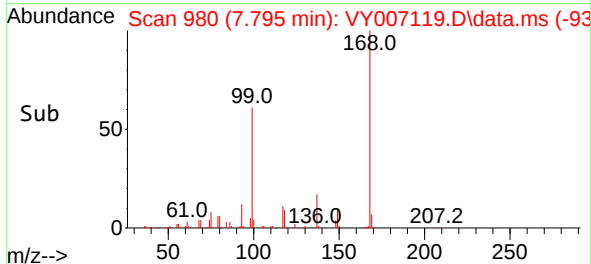
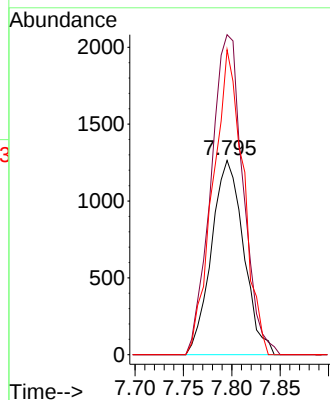
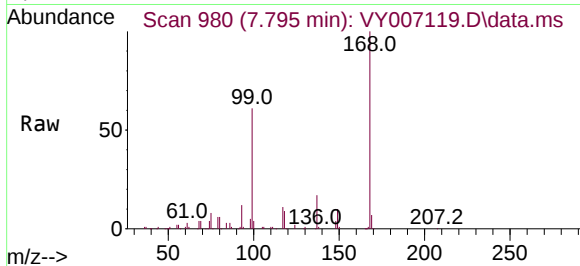




#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

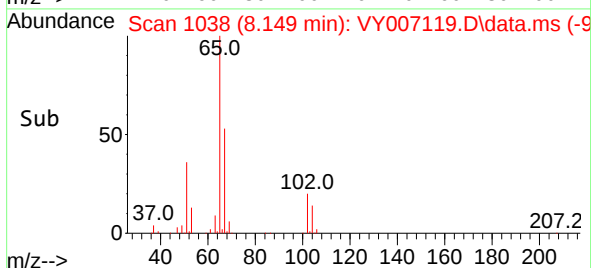
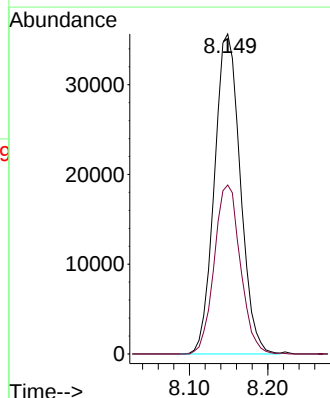
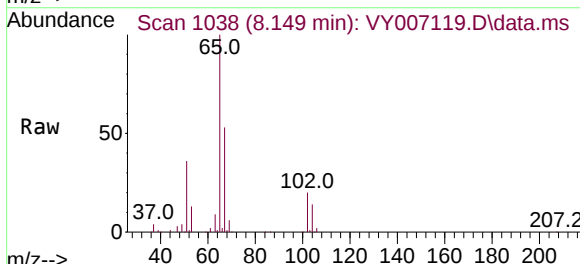
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-BACKFILL-TILCON-05

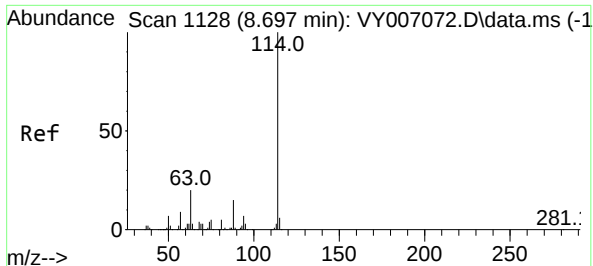
Tgt Ion: 56 Resp: 2928
Ion Ratio Lower Upper
56 100
69 164.7 27.2 40.8#
84 157.0 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 53.603 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

Tgt Ion: 65 Resp: 81967
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY007119.D

Acq: 11 Jan 2022 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VACLOT-BACKFILL-TILCON-05

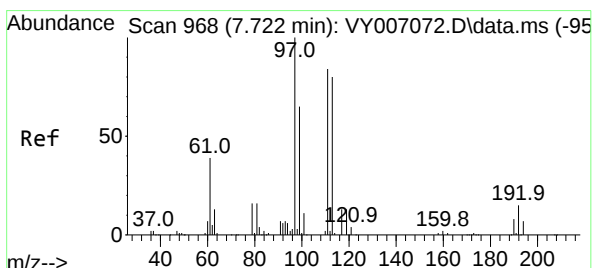
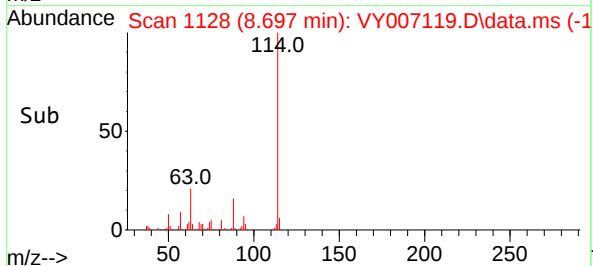
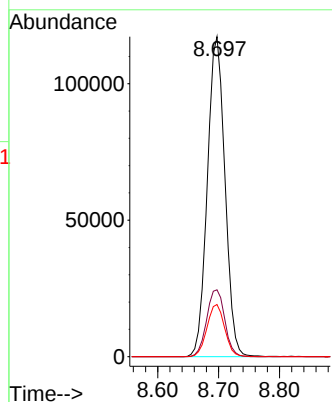
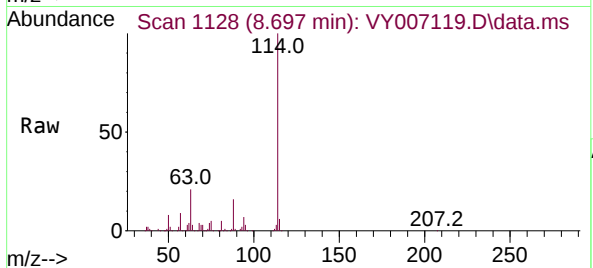
Tgt Ion:114 Resp: 235334

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.2

88 16.3 0.0 31.0



#35

Dibromofluoromethane

Concen: 49.642 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY007119.D

Acq: 11 Jan 2022 16:53

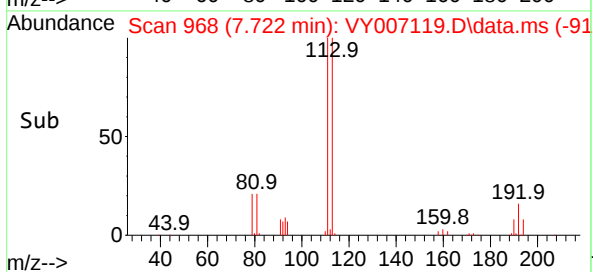
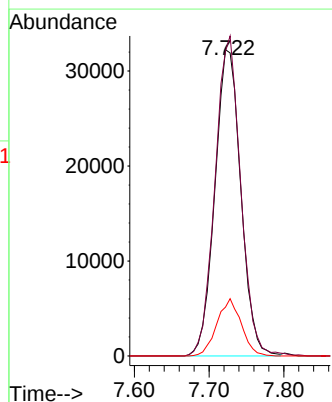
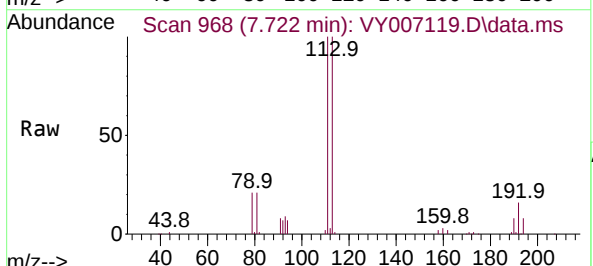
Tgt Ion:113 Resp: 77861

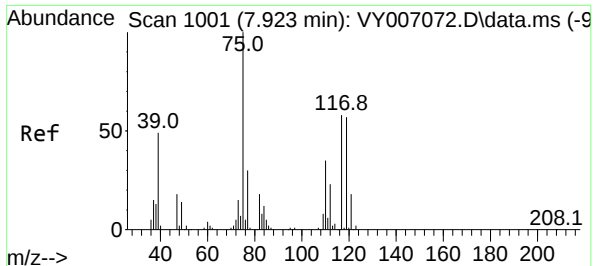
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.6 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.291 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007119.D

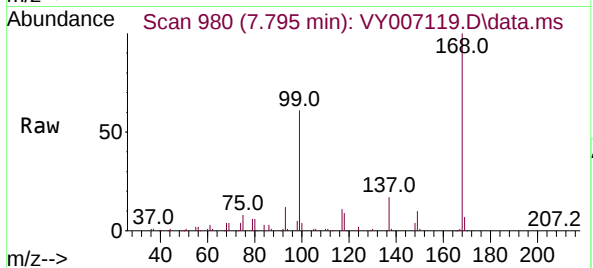
Acq: 11 Jan 2022 16:53

Instrument :

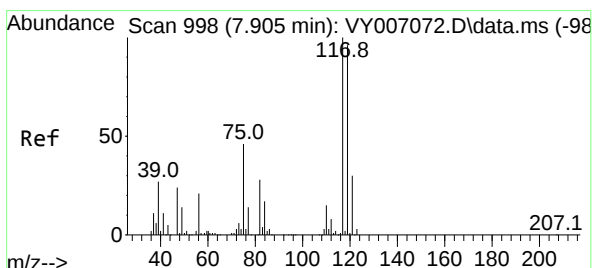
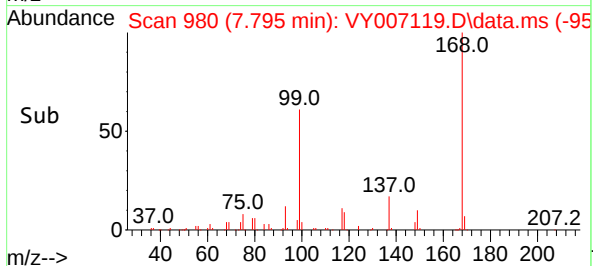
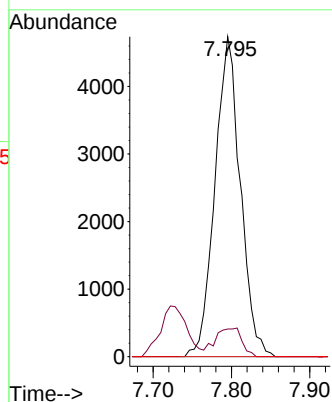
MSVOA_Y

ClientSampleId :

VACLOT-BACKFILL-TILCON-05



Tgt Ion: 75	Resp: 10664
Ion Ratio	Lower Upper
75	100
110	9.3 17.3 51.9#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.337 ug/l

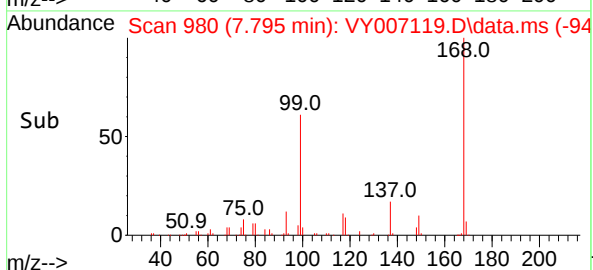
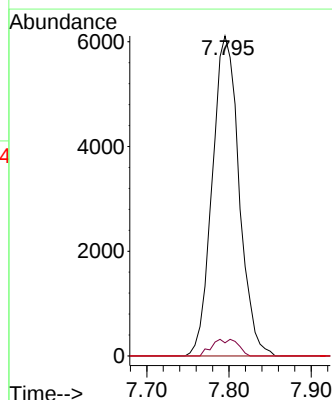
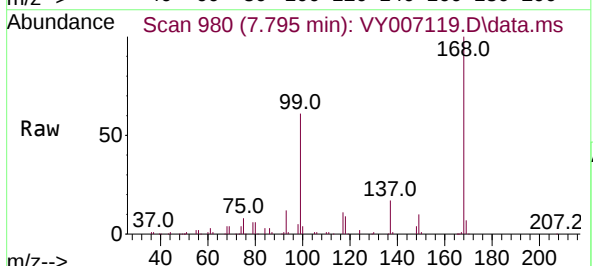
RT: 7.795 min Scan# 980

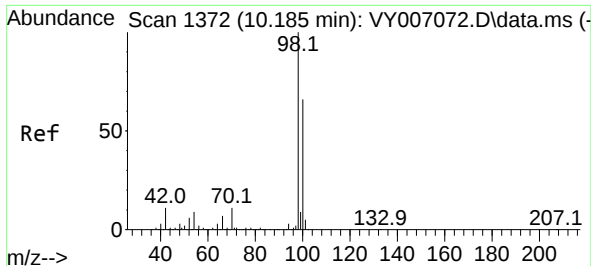
Delta R.T. -0.110 min

Lab File: VY007119.D

Acq: 11 Jan 2022 16:53

Tgt Ion: 117	Resp: 13858
Ion Ratio	Lower Upper
117	100
119	4.1 77.2 115.8#
121	0.0 24.2 36.2#

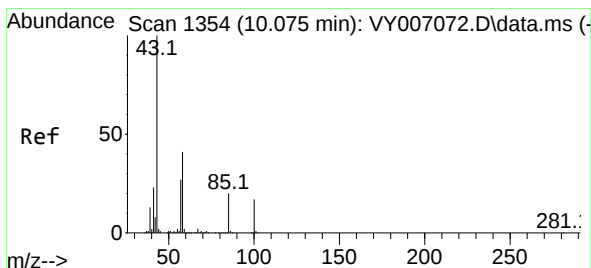
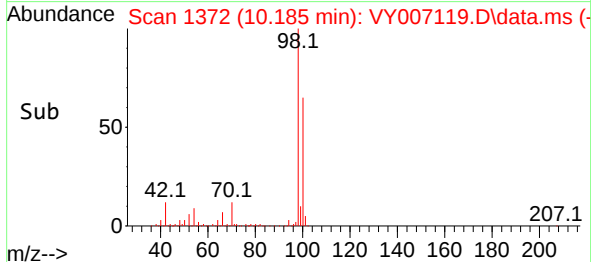
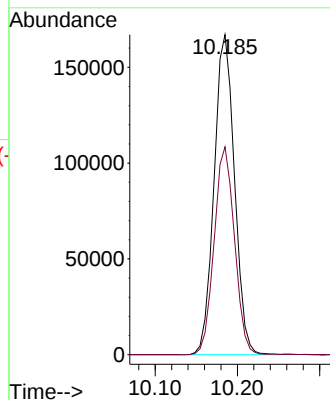
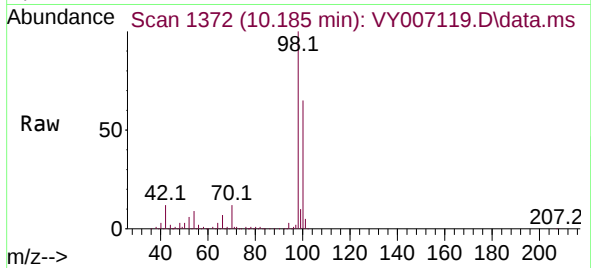




#50
Toluene-d8
Concen: 49.683 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

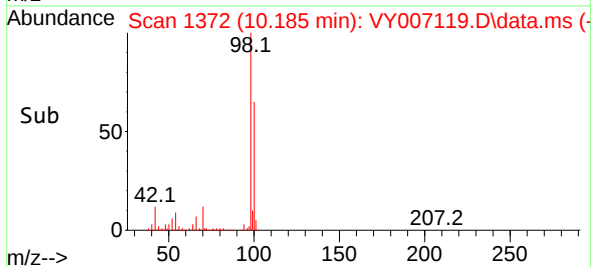
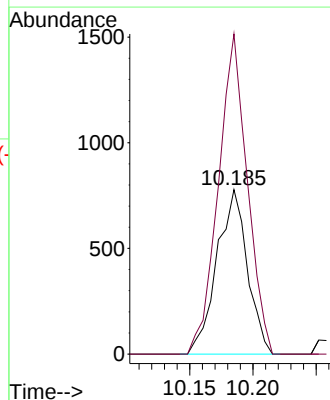
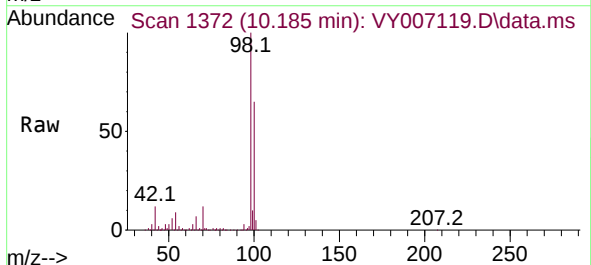
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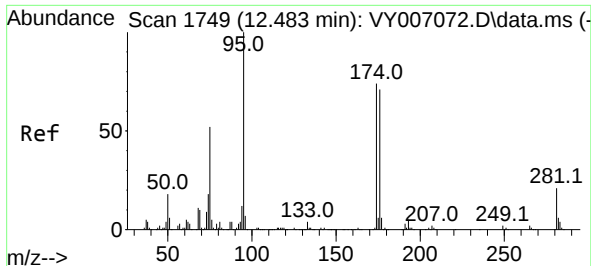
Tgt Ion: 98 Resp: 287836
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.122 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

Tgt Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
58 185.0 32.8 49.2#

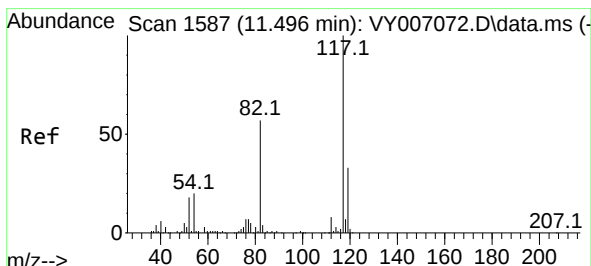
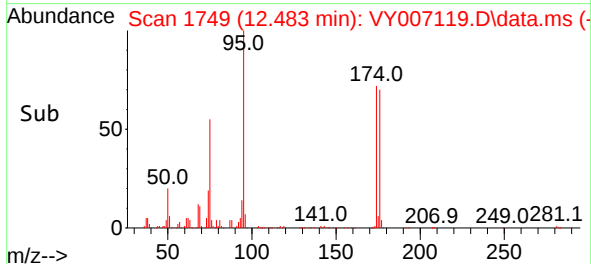
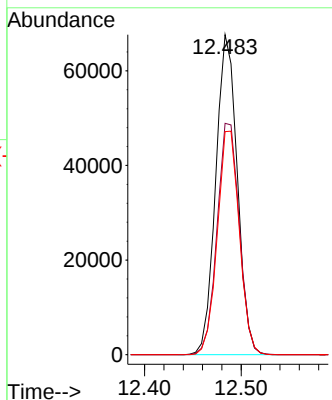
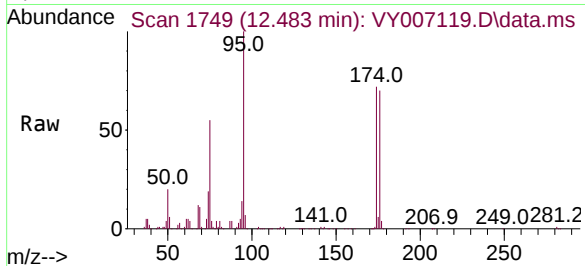




#62
4-Bromofluorobenzene
Concen: 49.941 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

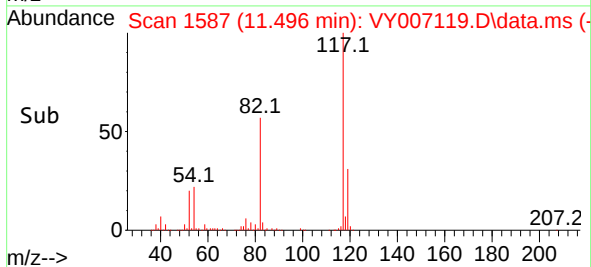
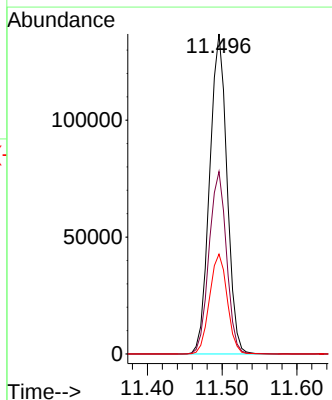
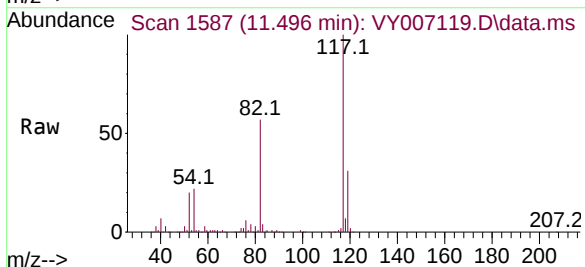
Instrument :
MSVOA_Y
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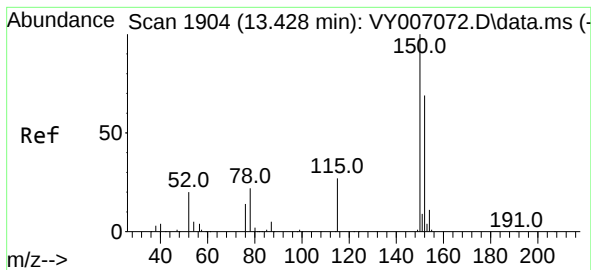
Tgt Ion: 95 Resp: 104348
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.4
176 71.3 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY007119.D
Acq: 11 Jan 2022 16:53

Tgt Ion: 117 Resp: 220760
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 31.2 26.4 39.6

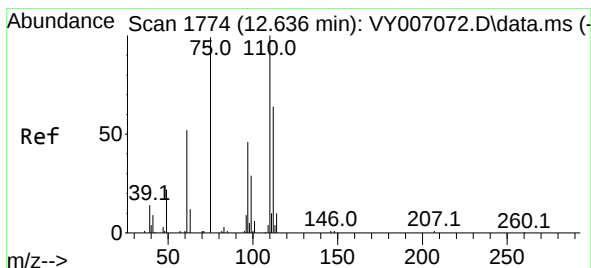
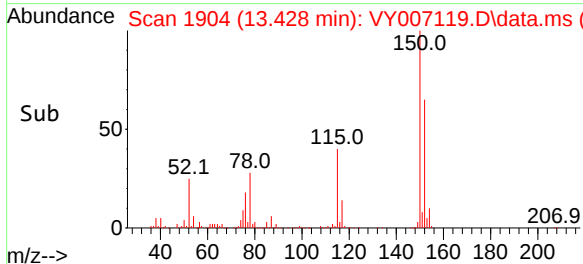
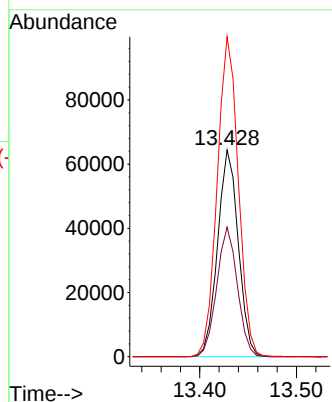
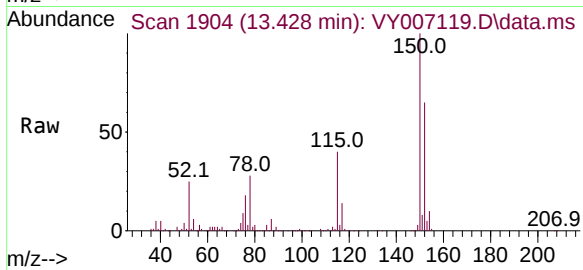




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY007119.D
 Acq: 11 Jan 2022 16:53

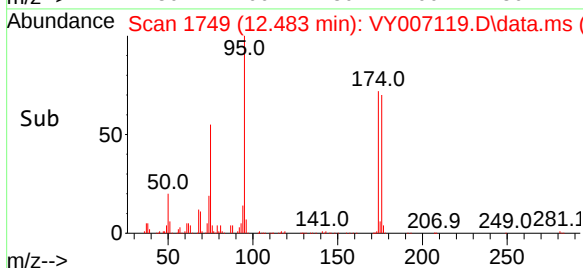
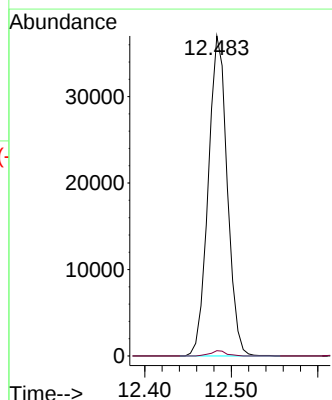
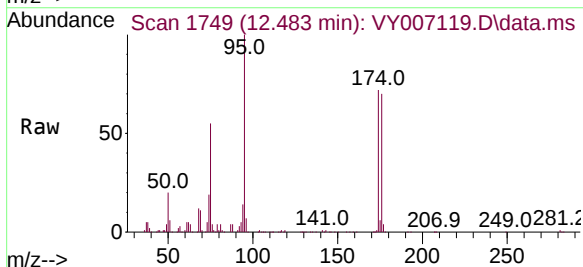
Instrument :
 MSVOA_Y
 ClientSampleId :
 VACLOT-BACKFILL-TILCON-05

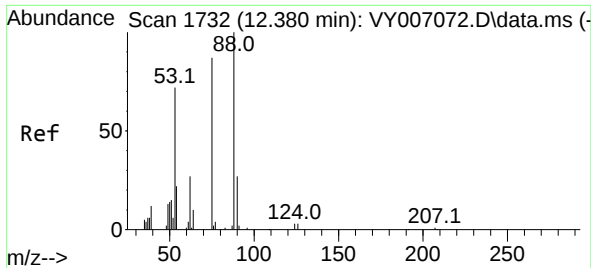
Tgt Ion:152 Resp: 95545
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.4 94.0
 150 157.7 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 51.712 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007119.D
 Acq: 11 Jan 2022 16:53

Tgt Ion: 75 Resp: 56389
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.128 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY007119.D
 Acq: 11 Jan 2022 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VACLOT-BACKFILL-TILCON-05

Tgt Ion: 75 Resp: 56389
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.0 0.0 0.0

