

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067687.D
 Acq On : 9 Jul 2021 15:50
 Operator : JC/MD
 Sample : M2960-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JULY)

Quant Time: Jul 10 05:19:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

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

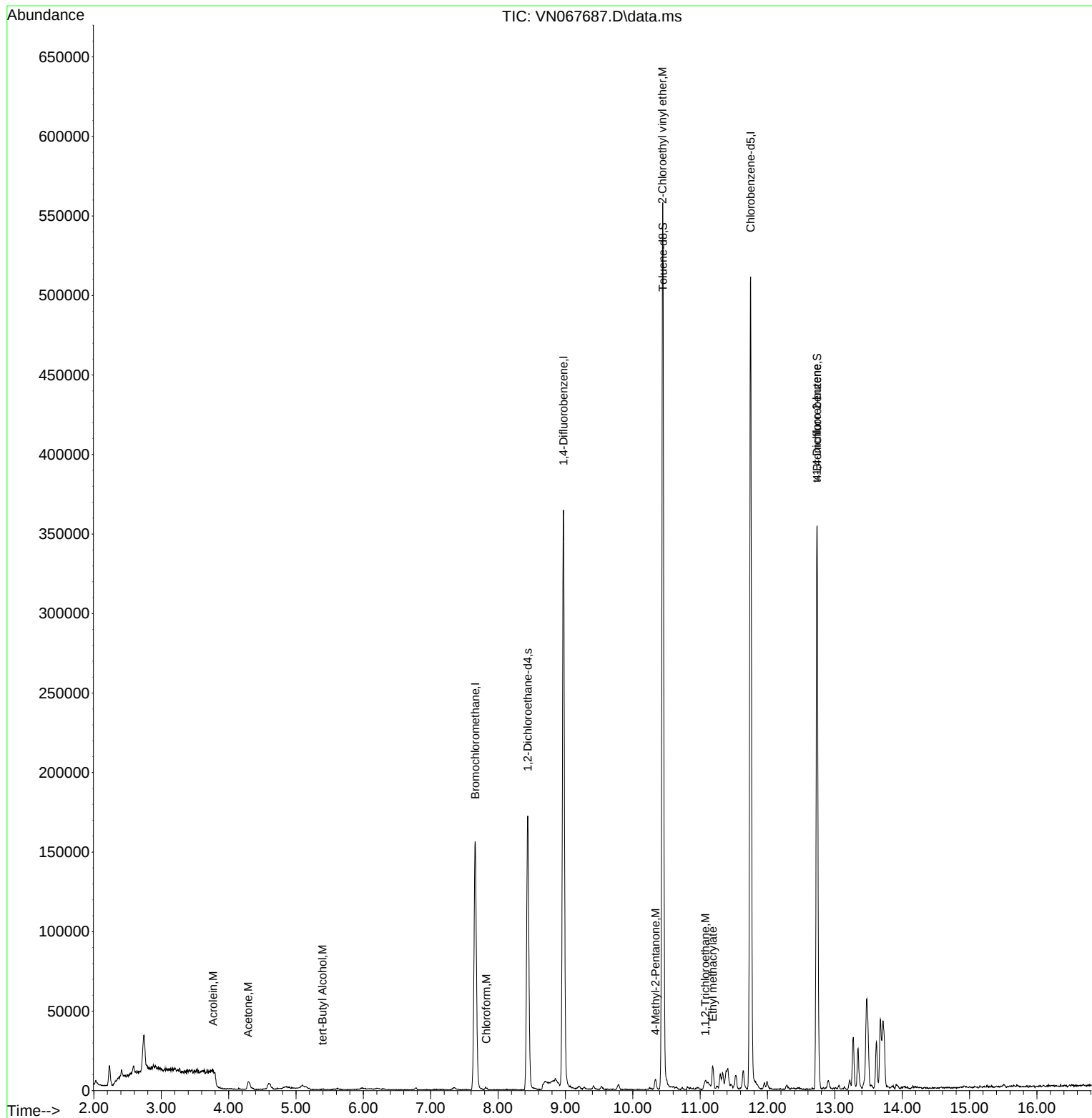
Internal Standards						
1) Bromochloromethane	7.662	128	53912	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	314344	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	290712	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	146014	33.516	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.733%#
60) 4-Bromofluorobenzene	12.736	95	124033	26.226	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.433%
63) Toluene-d8	10.446	98	394655	29.668	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.900%
Target Compounds						
					Qvalue	
13) Acrolein	3.770	56	255	0.538	ug/l	99
15) Acetone	4.291	58	405	1.107	ug/l	94
23) tert-Butyl Alcohol	5.393	59	165	0.278	ug/l #	100
25) Chloroform	7.823	83	1390	0.207	ug/l #	73
50) 1,1,2-Trichloroethane	11.076	97	1229	0.310	ug/l #	15
51) Ethyl methacrylate	11.186	69	1435	0.230	ug/l	87
55) 2-Chloroethyl vinyl ether	10.440	63	335	0.252	ug/l #	1
58) 4-Methyl-2-Pentanone	10.338	43	4507	0.891	ug/l #	85
77) t-1,4-Dichloro-2-butene	12.733	75	72581	47.435	ug/l #	6

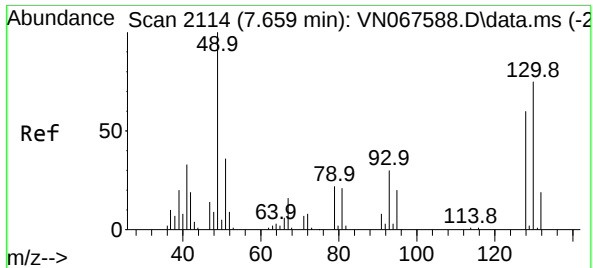
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 01 12:09:22 2021
Response via : Initial Calibration

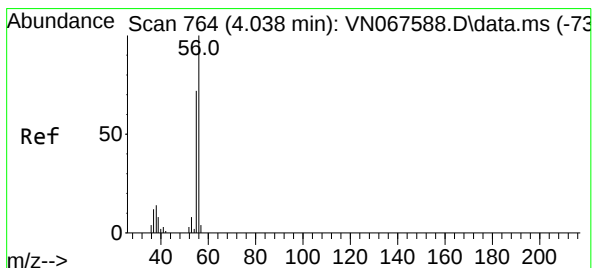
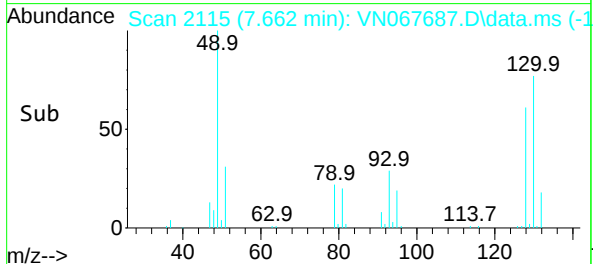
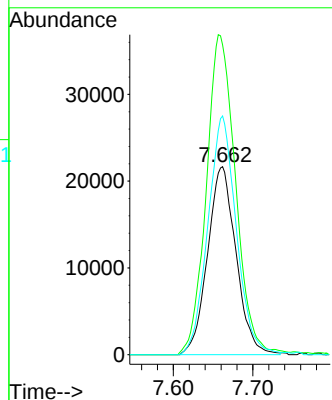
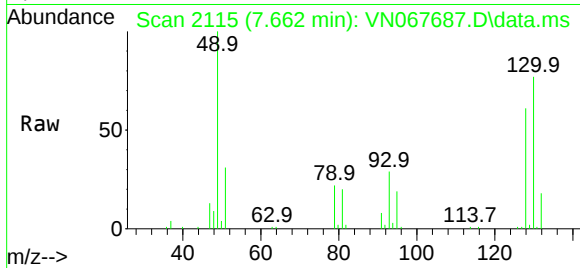




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

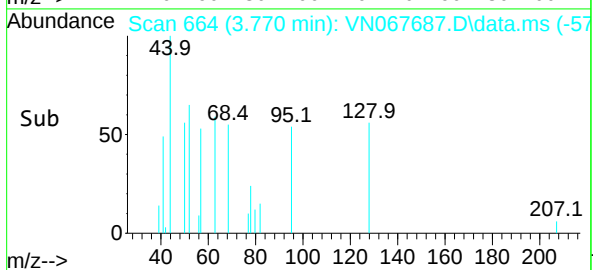
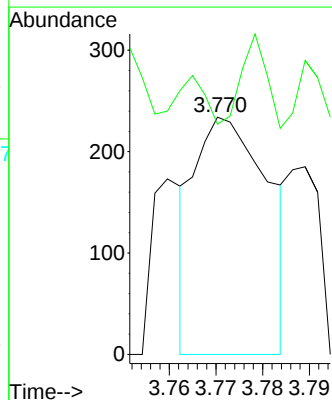
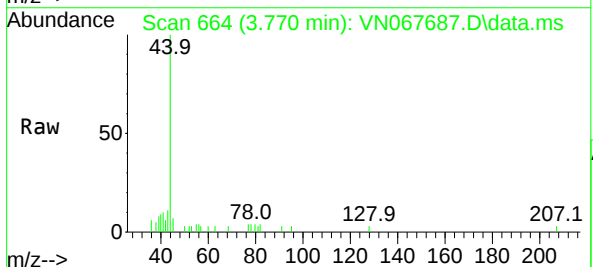
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

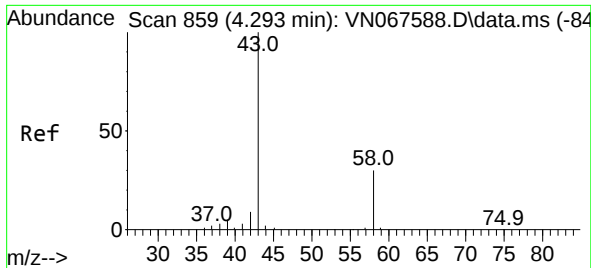
Tgt Ion:128 Resp: 53912
Ion Ratio Lower Upper
128 100
49 173.3 0.0 517.5
130 127.0 0.0 325.8



#13
Acrolein
Concen: 0.538 ug/l
RT: 3.770 min Scan# 664
Delta R.T. -0.268 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
55 72.9 57.5 86.3

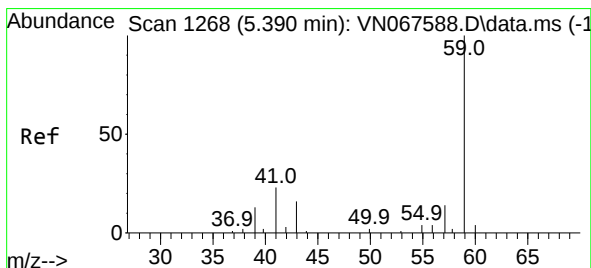
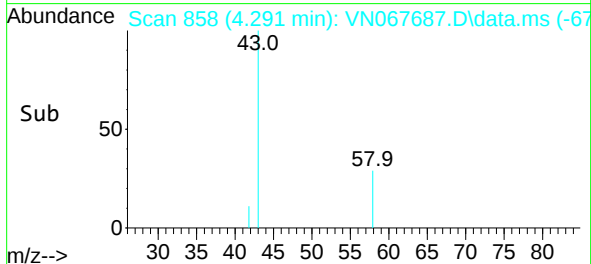
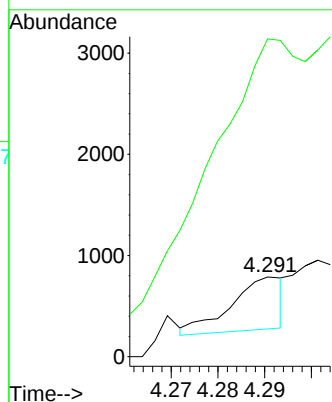
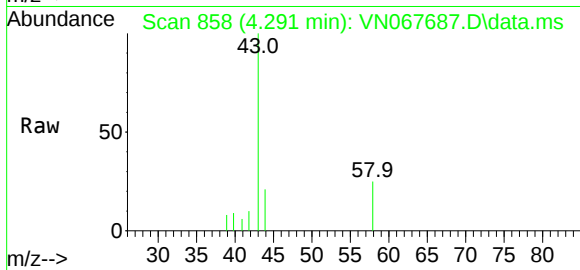




#15
Acetone
Concen: 1.107 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.003 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

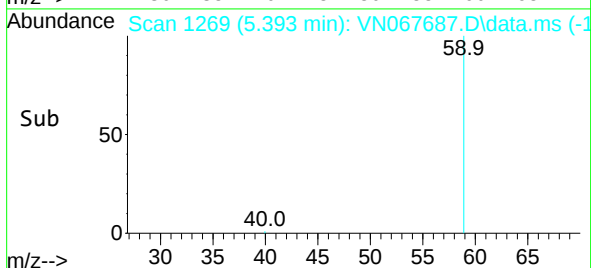
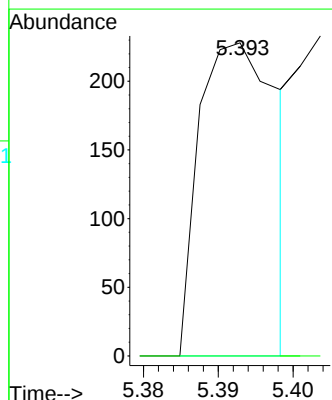
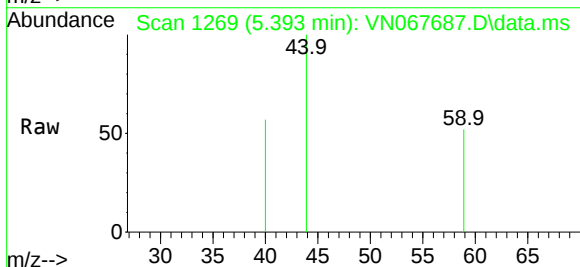
Instrument :
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ClientSampleId :
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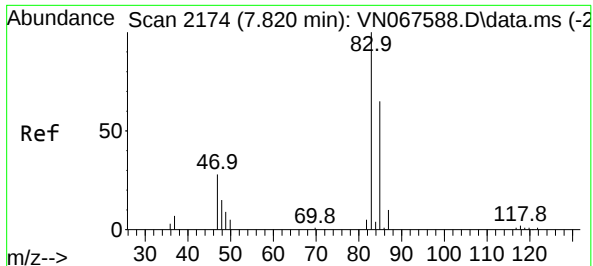
Tgt Ion: 58 Resp: 405
Ion Ratio Lower Upper
58 100
43 375.6 289.6 434.4



#23
tert-Butyl Alcohol
Concen: 0.278 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#





#25

Chloroform

Concen: 0.207 ug/l

RT: 7.823 min Scan# 2175

Delta R.T. 0.003 min

Lab File: VN067687.D

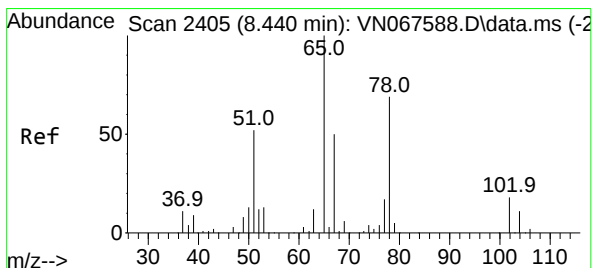
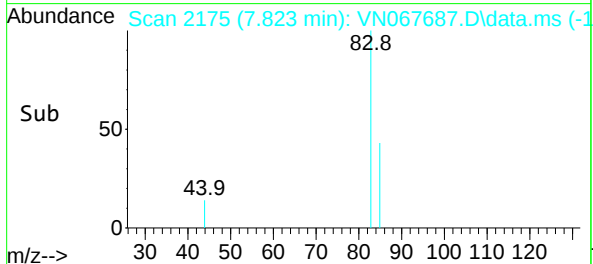
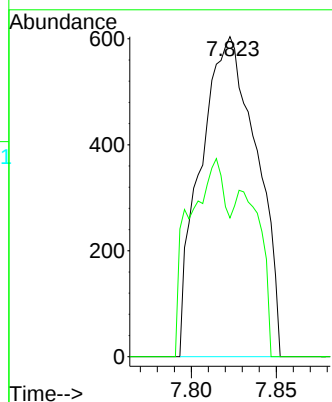
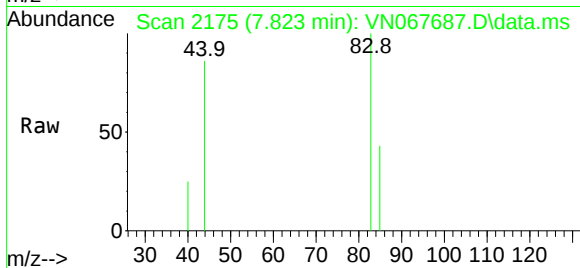
Acq: 9 Jul 2021 15:50

Tgt Ion: 83 Resp: 1390

Ion Ratio Lower Upper

83 100

85 43.4 51.5 77.3#



#27

1,2-Dichloroethane-d4

Concen: 33.516 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN067687.D

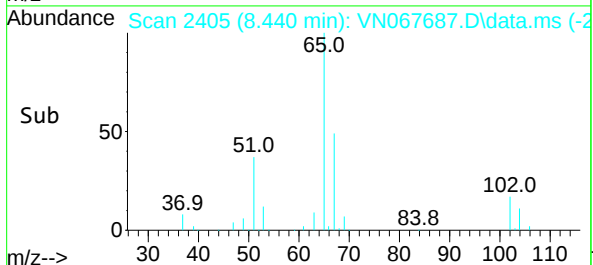
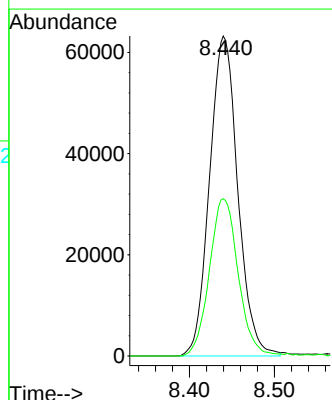
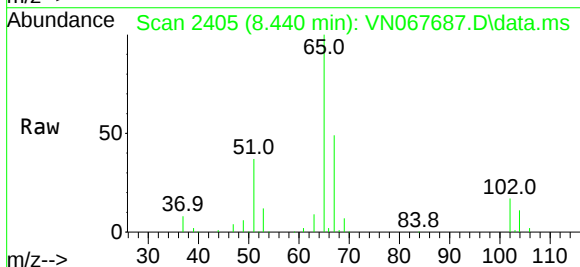
Acq: 9 Jul 2021 15:50

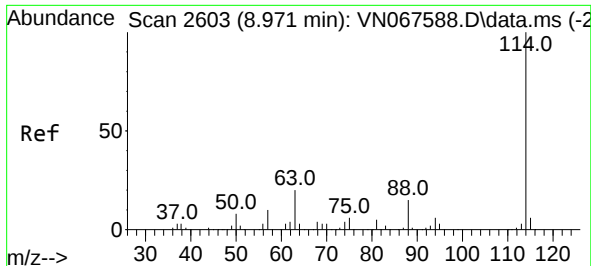
Tgt Ion: 65 Resp: 146014

Ion Ratio Lower Upper

65 100

67 50.1 39.8 59.8

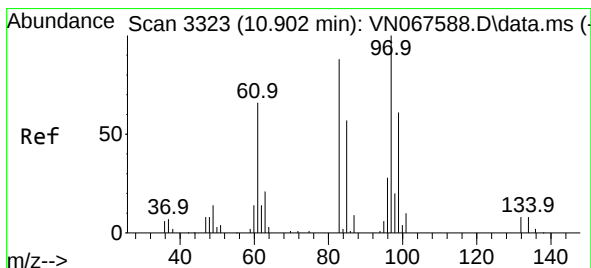
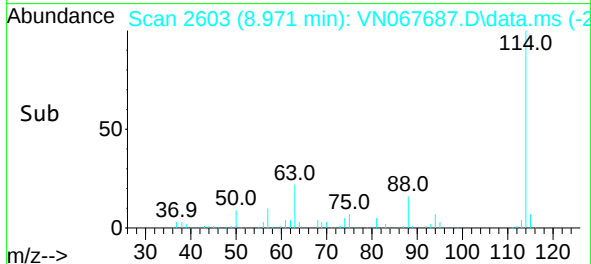
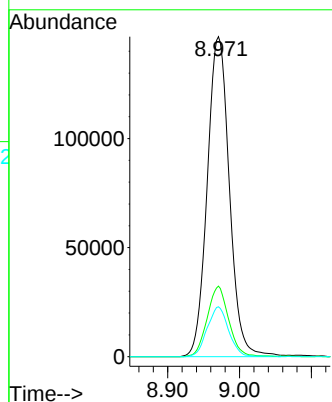
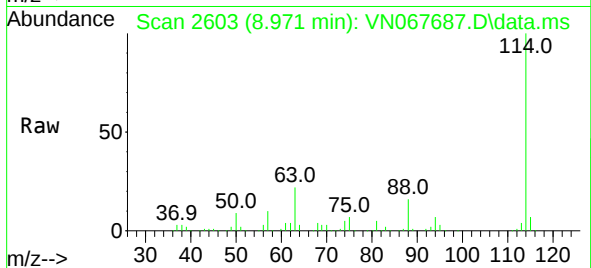




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

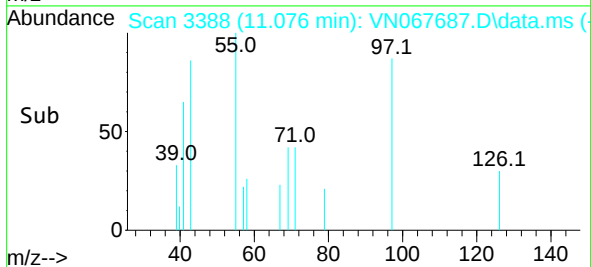
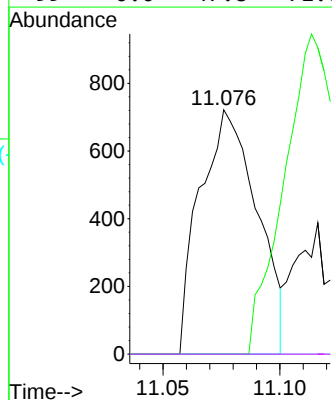
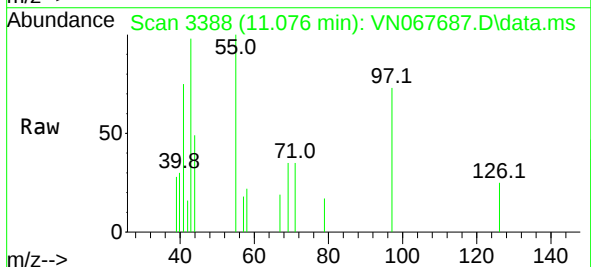
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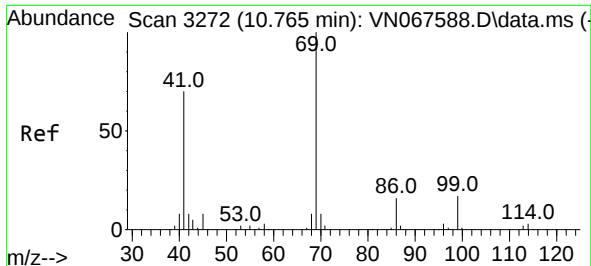
Tgt Ion:114 Resp: 314344
Ion Ratio Lower Upper
114 100
63 21.4 20.3 30.5
88 15.1 14.6 22.0



#50
1,1,2-Trichloroethane
Concen: 0.310 ug/l
RT: 11.076 min Scan# 3388
Delta R.T. 0.174 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

Tgt Ion: 97 Resp: 1229
Ion Ratio Lower Upper
97 100
83 0.0 69.6 104.4#
85 0.0 45.2 67.8#
99 0.0 47.8 71.6#

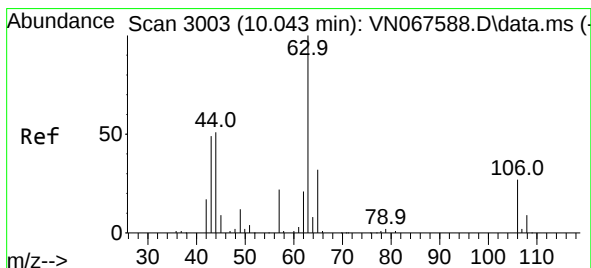
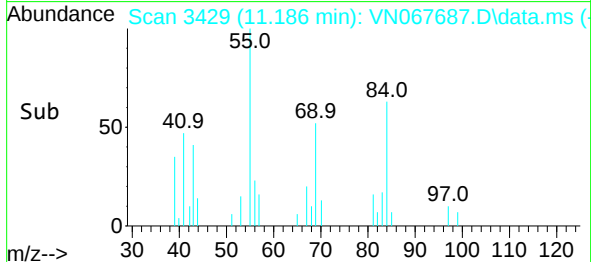
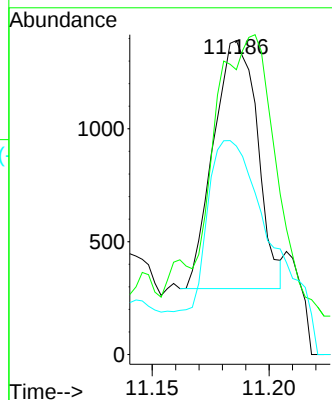
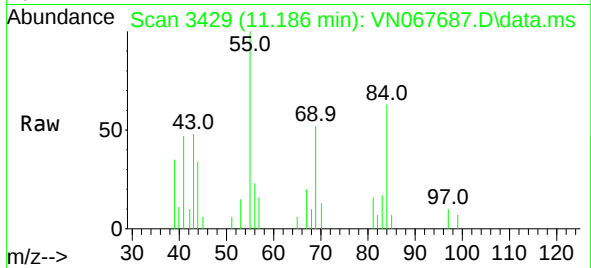




#51
Ethyl methacrylate
Concen: 0.230 ug/l
RT: 11.186 min Scan# 3429
Delta R.T. 0.421 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

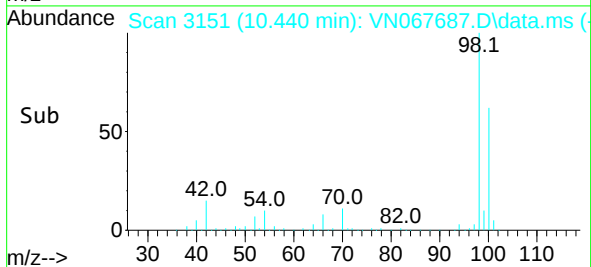
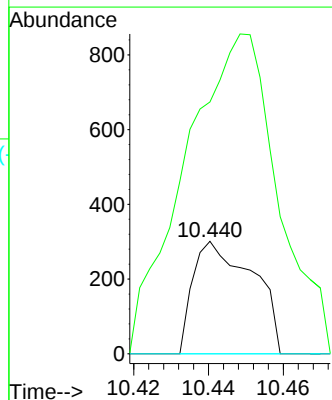
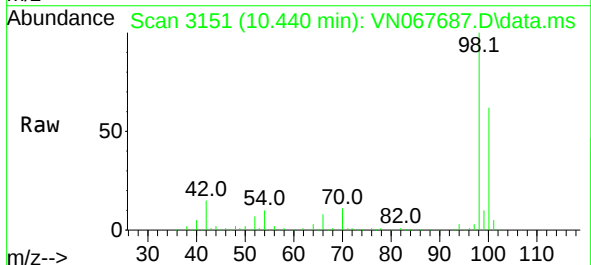
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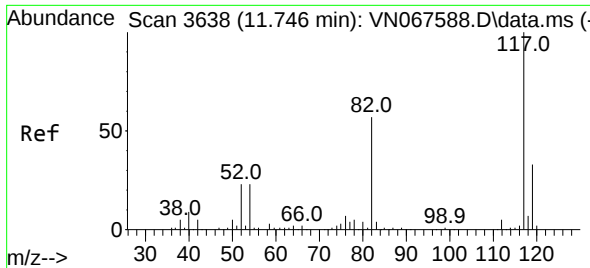
Tgt Ion: 69 Resp: 1435
Ion Ratio Lower Upper
69 100
41 76.6 36.8 110.4
39 66.2 23.8 71.2



#55
2-Chloroethyl vinyl ether
Concen: 0.252 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.397 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

Tgt Ion: 63 Resp: 335
Ion Ratio Lower Upper
63 100
65 441.8 25.6 38.4#
106 0.0 20.0 30.0#

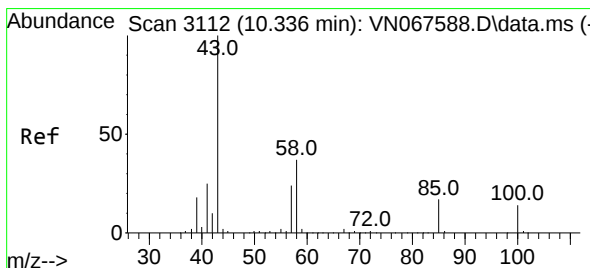
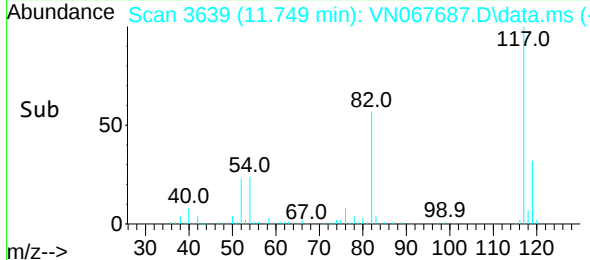
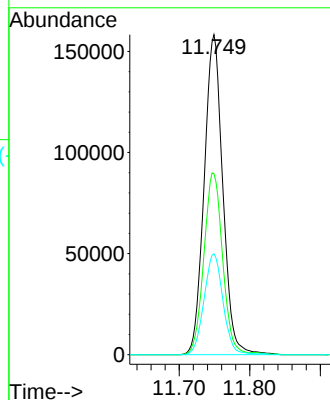
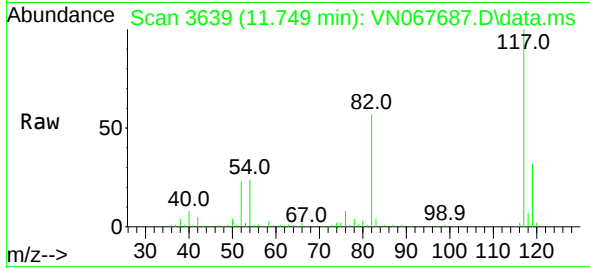




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

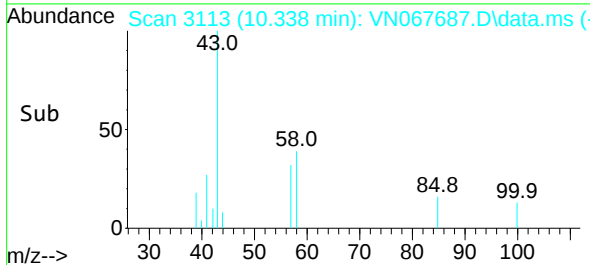
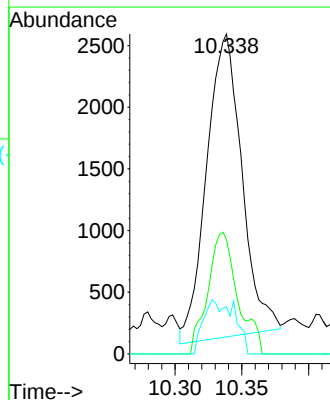
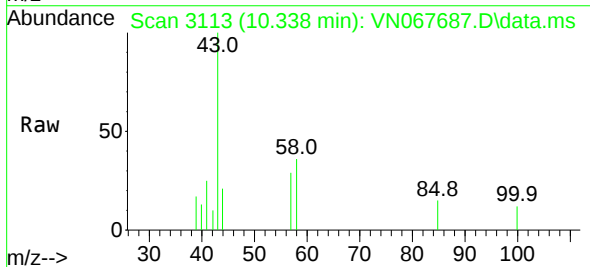
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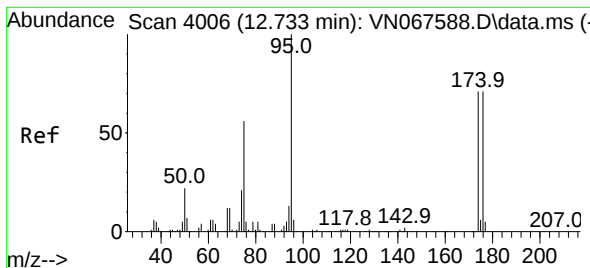
Tgt Ion:117 Resp: 290712
Ion Ratio Lower Upper
117 100
82 57.0 52.5 78.7
119 32.1 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 0.891 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.003 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

Tgt Ion: 43 Resp: 4507
Ion Ratio Lower Upper
43 100
58 31.6 29.0 43.4
85 3.8 13.2 19.8#

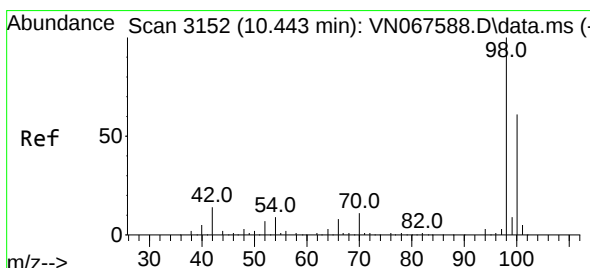
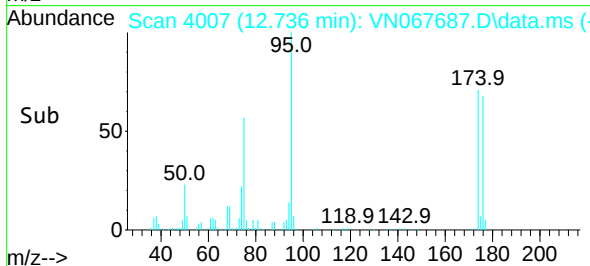
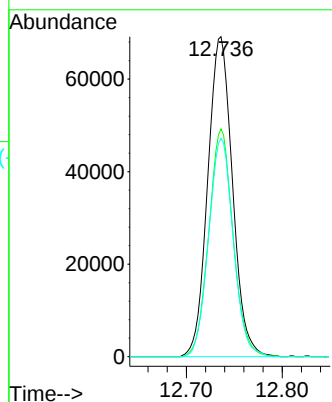
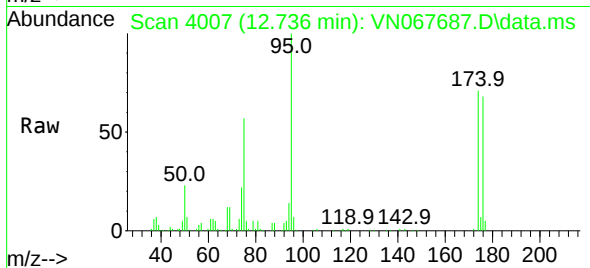




#60
4-Bromofluorobenzene
Concen: 26.226 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

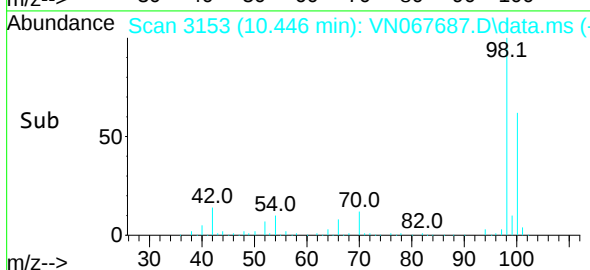
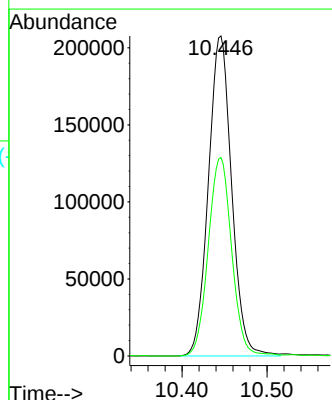
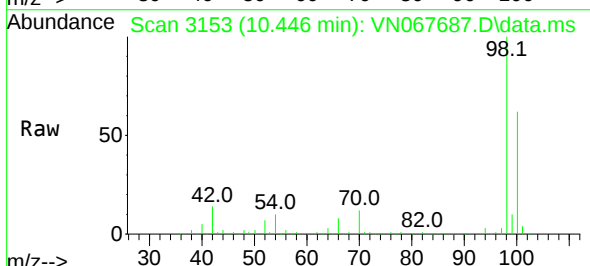
Instrument :
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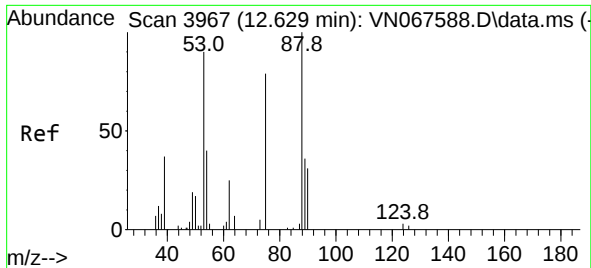
Tgt Ion: 95 Resp: 124033
Ion Ratio Lower Upper
95 100
174 69.9 47.7 71.5
176 67.9 45.7 68.5



#63
Toluene-d8
Concen: 29.668 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067687.D
Acq: 9 Jul 2021 15:50

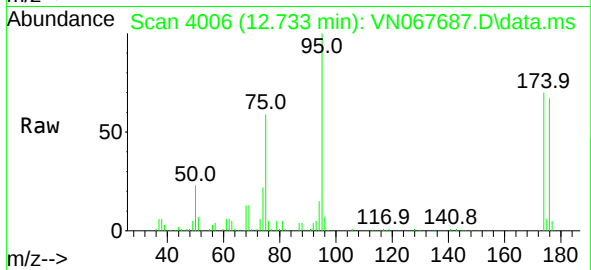
Tgt Ion: 98 Resp: 394655
Ion Ratio Lower Upper
98 100
100 62.2 51.2 76.8





#77
 t-1,4-Dichloro-2-butene
 Concen: 47.435 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN067687.D
 Acq: 9 Jul 2021 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JULY)



Tgt Ion: 75 Resp: 72581
 Ion Ratio Lower Upper
 75 100
 53 0.0 55.2 165.6#
 89 0.0 24.5 73.5#

