

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067752.D
 Acq On : 14 Jul 2021 18:46
 Operator : JC/MD
 Sample : M3039-22RE 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EX-05RE

Quant Time: Jul 15 06:30:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

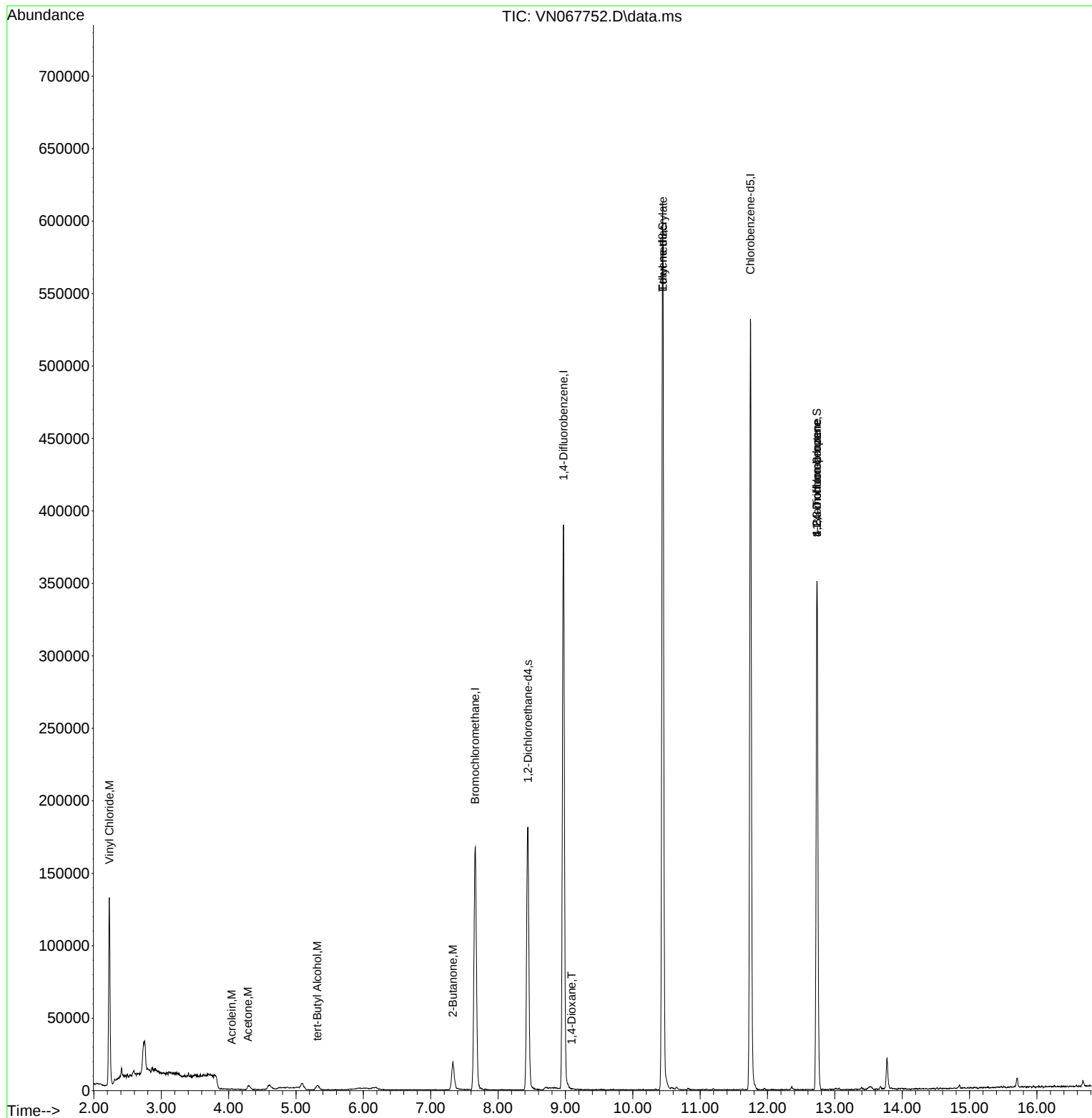
Internal Standards						
1) Bromochloromethane	7.659	128	59026	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	343313	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	302824	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	160464	33.650	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 112.167%#	
60) 4-Bromofluorobenzene	12.734	95	125905	25.601	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 85.333%	
63) Toluene-d8	10.443	98	430237	30.889	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.967%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.231	62	1419	0.242	ug/l #	1
13) Acrolein	4.044	56	269	0.657	ug/l #	84
15) Acetone	4.285	58	458	1.075	ug/l #	55
23) tert-Butyl Alcohol	5.315	59	186	0.294	ug/l #	100
30) 2-Butanone	7.329	43	692	0.277	ug/l #	54
45) 1,4-Dioxane	9.091	88	73	1.053	ug/l #	2
51) Ethyl methacrylate	10.446	69	1727	0.264	ug/l #	64
72) 1,2,3-Trichloropropane	12.734	75	72790	16.103	ug/l	1
77) t-1,4-Dichloro-2-butene	12.734	75	72790	47.715	ug/l #	4

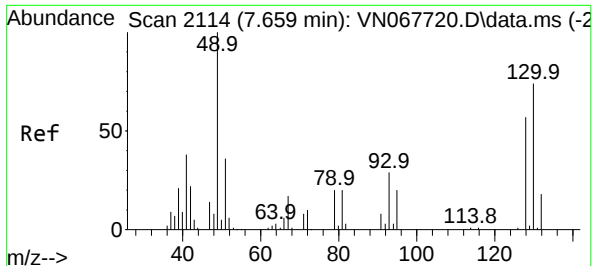
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EX-05RE

Quant Time: Jul 15 06:30:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 14 01:19:19 2021
Response via : Initial Calibration

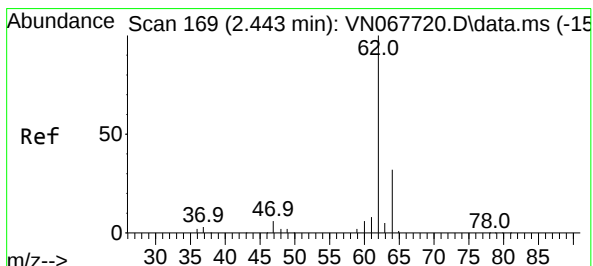
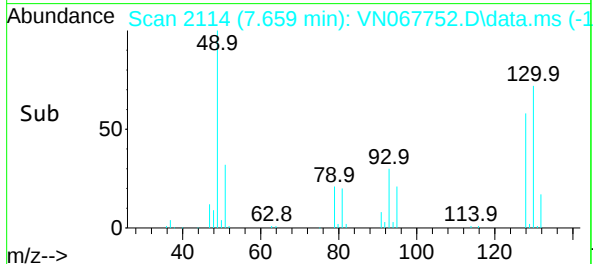
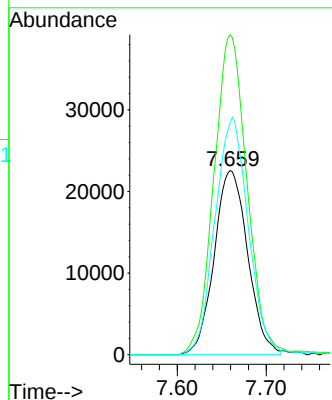
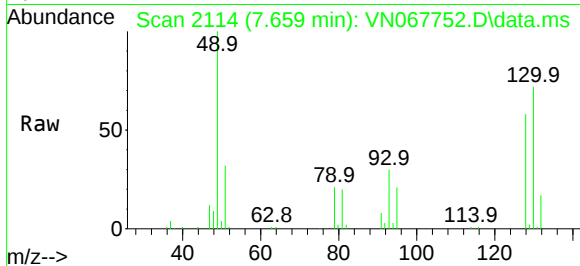




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

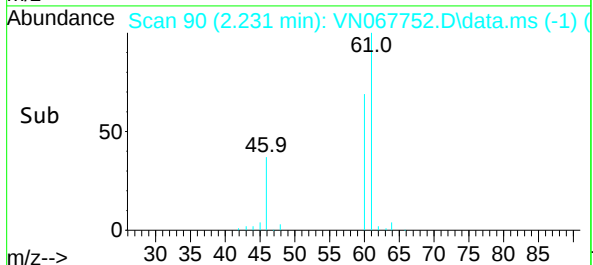
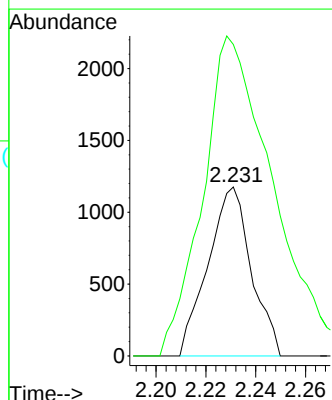
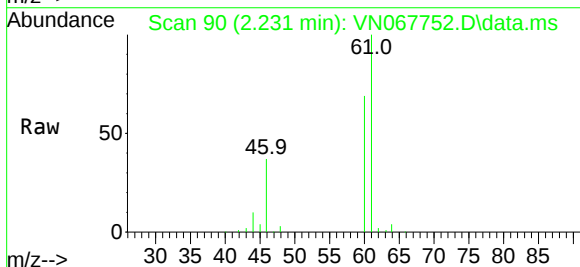
Instrument :
MSVOA_N
ClientSampled :
EX-05RE

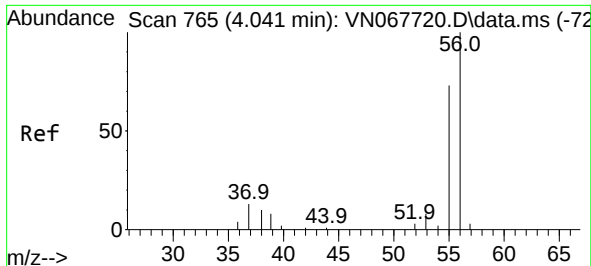
Tgt Ion:128 Resp: 59026
Ion Ratio Lower Upper
128 100
49 170.9 0.0 433.0
130 127.9 0.0 323.8



#4
Vinyl Chloride
Concen: 0.242 ug/l
RT: 2.231 min Scan# 90
Delta R.T. -0.212 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

Tgt Ion: 62 Resp: 1419
Ion Ratio Lower Upper
62 100
64 150.4 25.9 38.9#

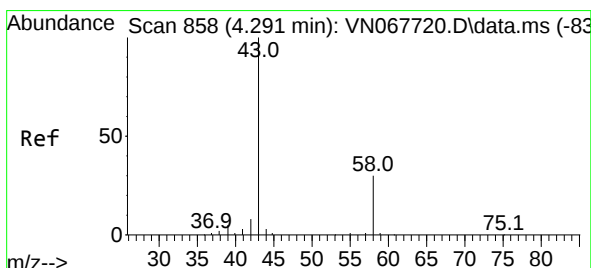
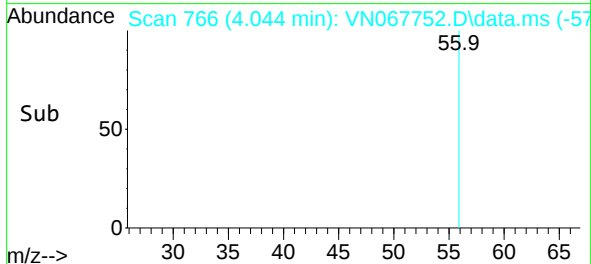
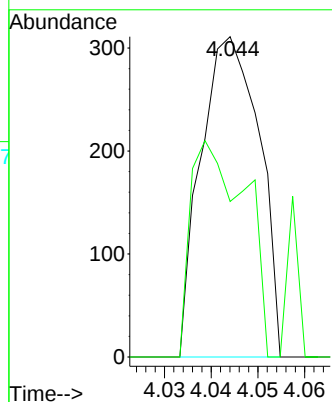
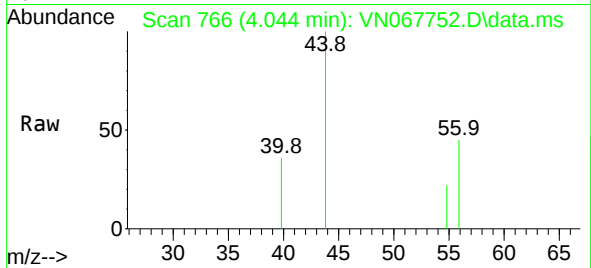




#13
Acrolein
Concen: 0.657 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

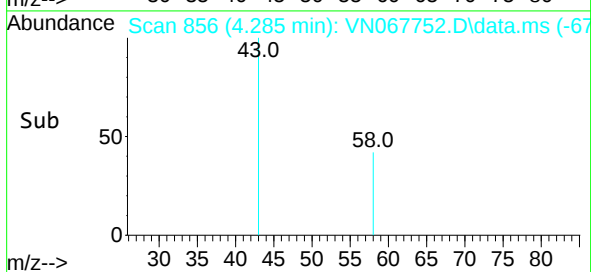
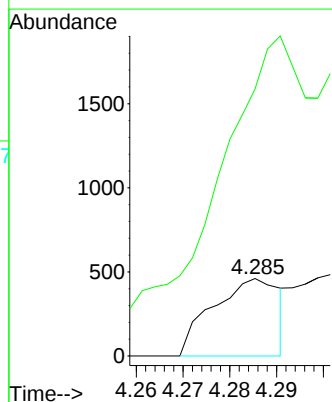
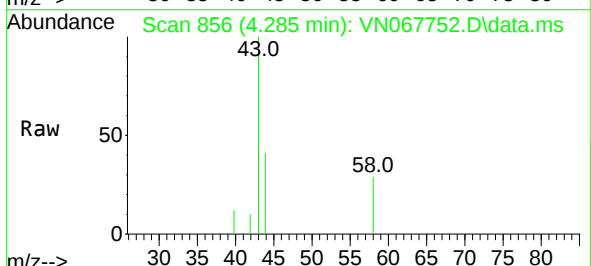
Instrument :
MSVOA_N
ClientSampled :
EX-05RE

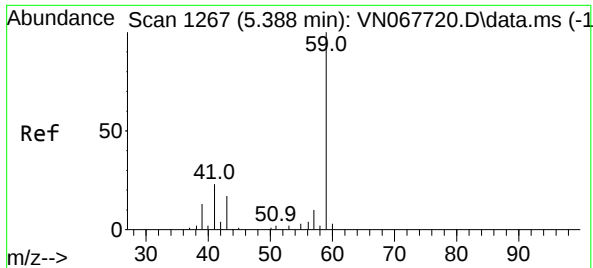
Tgt Ion: 56 Resp: 269
Ion Ratio Lower Upper
56 100
55 20.1 0.2 0.2#



#15
Acetone
Concen: 1.075 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.005 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

Tgt Ion: 58 Resp: 458
Ion Ratio Lower Upper
58 100
43 241.0 268.2 402.4#

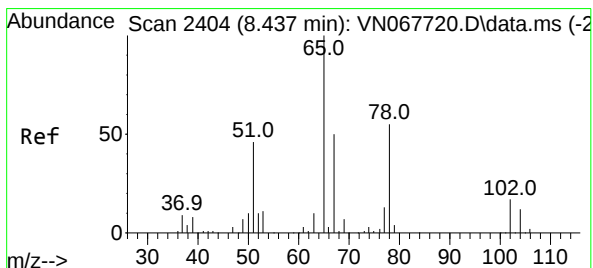
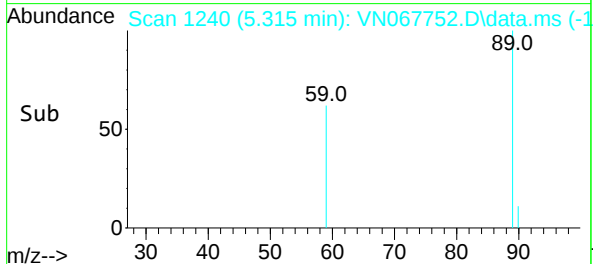
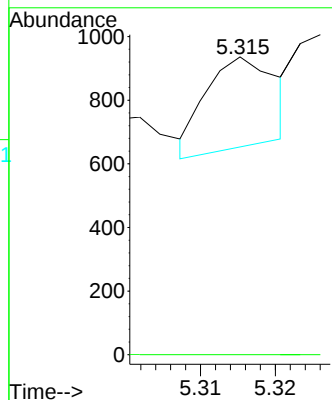
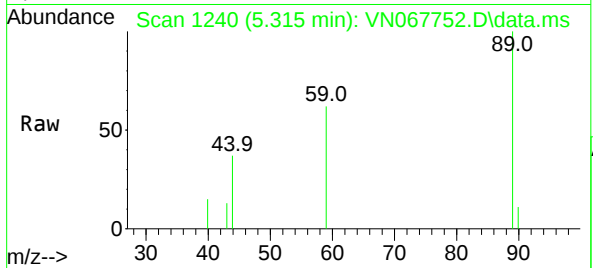




#23
tert-Butyl Alcohol
Concen: 0.294 ug/l
RT: 5.315 min Scan# 1240
Delta R.T. -0.072 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

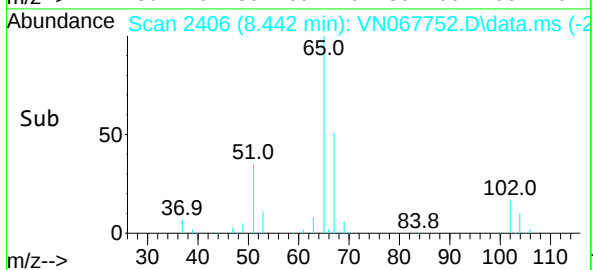
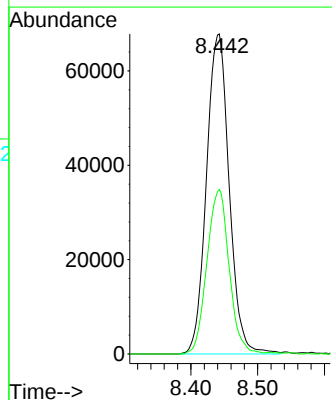
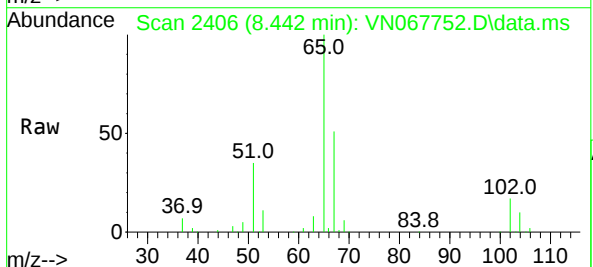
Instrument :
MSVOA_N
ClientSampleId :
EX-05RE

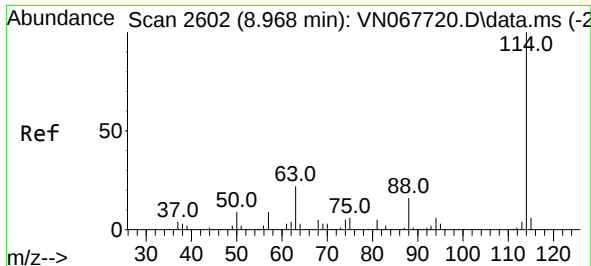
Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 33.650 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.005 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

Tgt Ion: 65 Resp: 160464
Ion Ratio Lower Upper
65 100
67 50.2 40.6 60.8

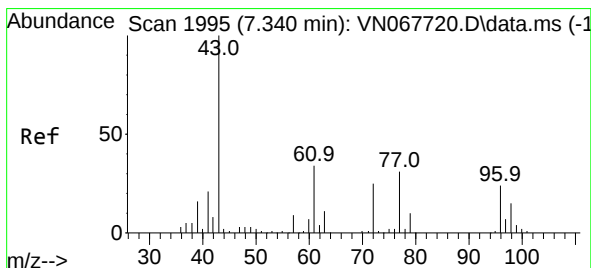
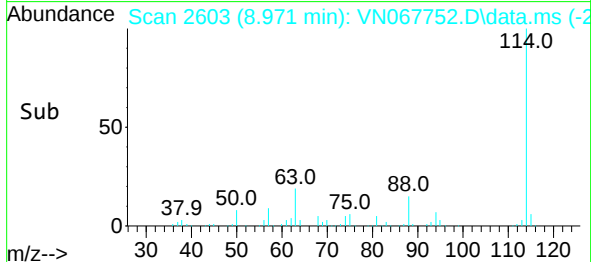
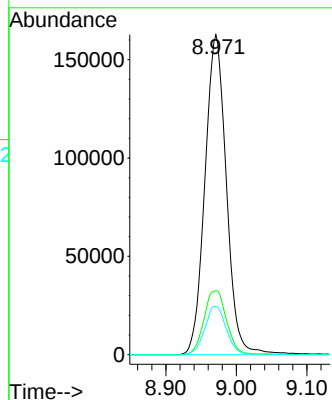
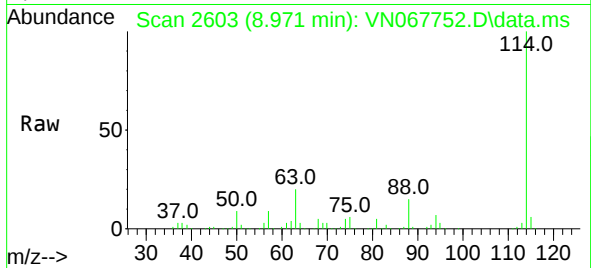




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

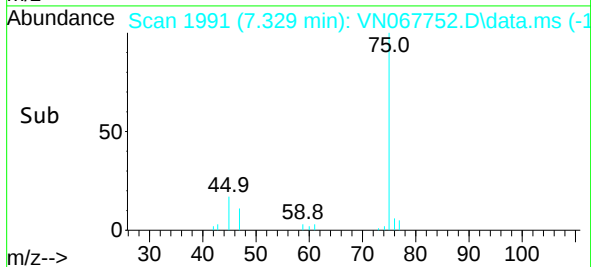
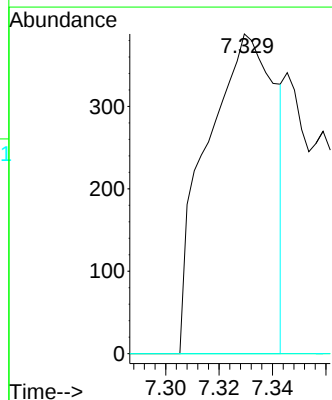
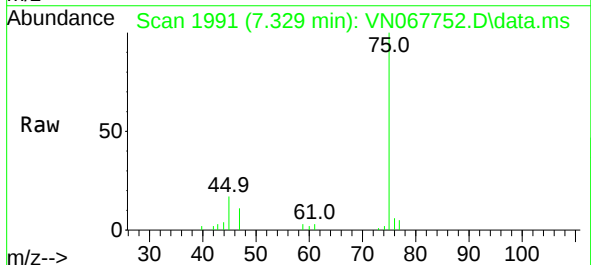
Instrument :
MSVOA_N
ClientSampleId :
EX-05RE

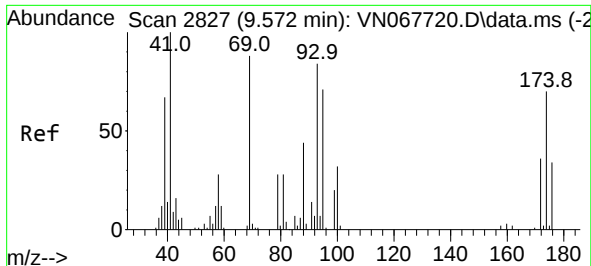
Tgt Ion:114 Resp: 343313
Ion Ratio Lower Upper
114 100
63 21.1 17.2 25.8
88 15.1 12.4 18.6



#30
2-Butanone
Concen: 0.277 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. -0.011 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

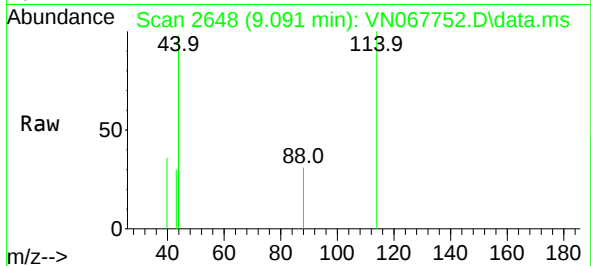
Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
57 0.0 6.6 9.8#
72 0.0 21.8 32.6#





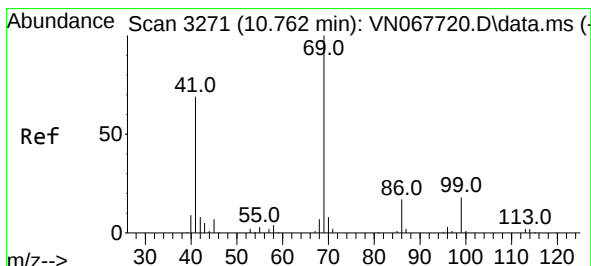
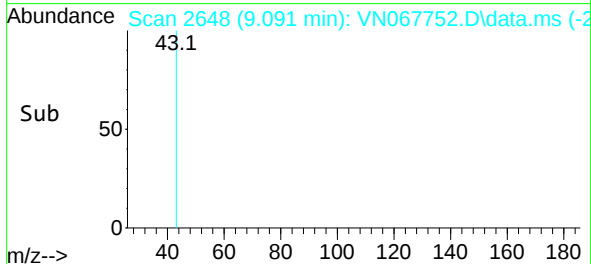
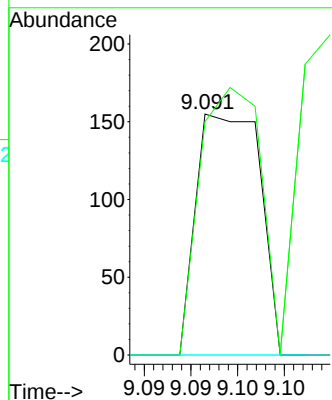
#45
1,4-Dioxane
Concen: 1.053 ug/l
RT: 9.091 min Scan# 2648
Delta R.T. -0.480 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

Instrument :
MSVOA_N
ClientSampled :
EX-05RE



Tgt Ion: 88 Resp: 73

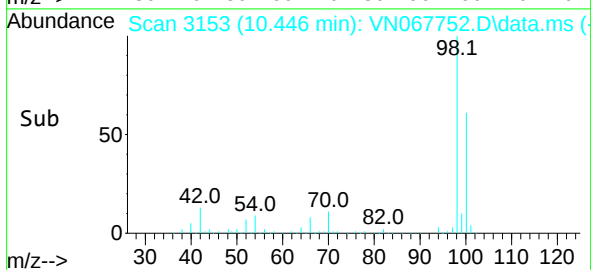
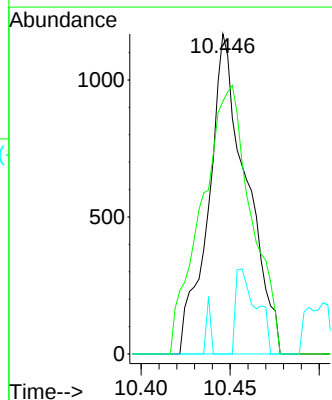
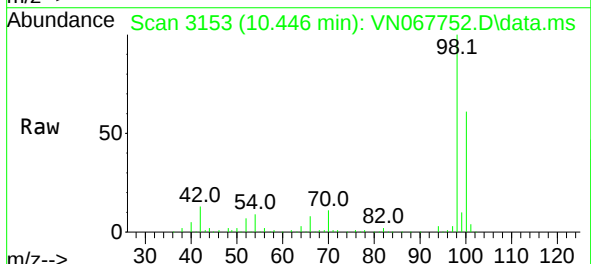
Ion	Ratio	Lower	Upper
88	100		
43	106.8	26.9	40.3#
58	0.0	52.2	78.4#

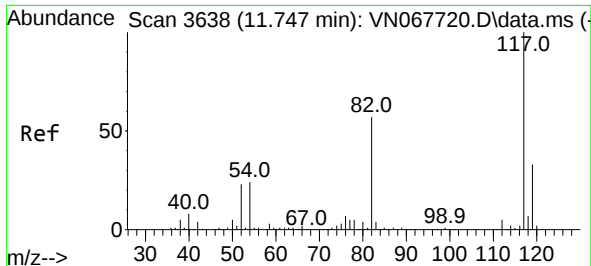


#51
Ethyl methacrylate
Concen: 0.264 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.316 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

Tgt Ion: 69 Resp: 1727

Ion	Ratio	Lower	Upper
69	100		
41	78.9	34.3	102.9
39	0.0	23.7	71.1#

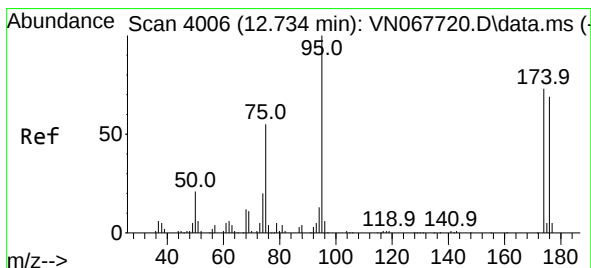
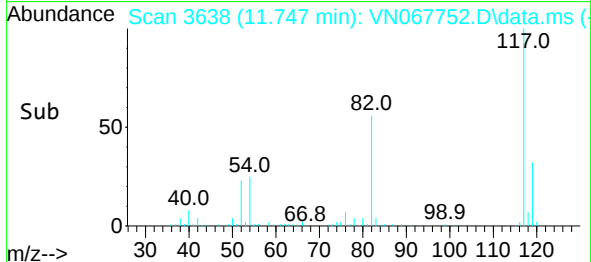
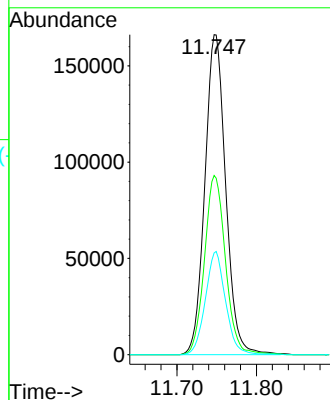
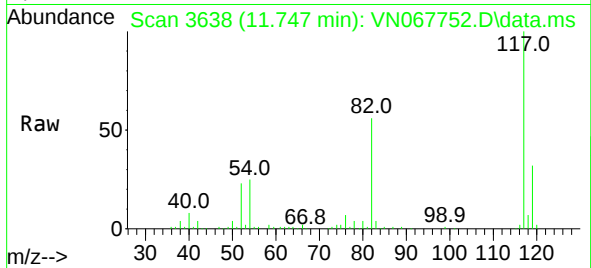




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

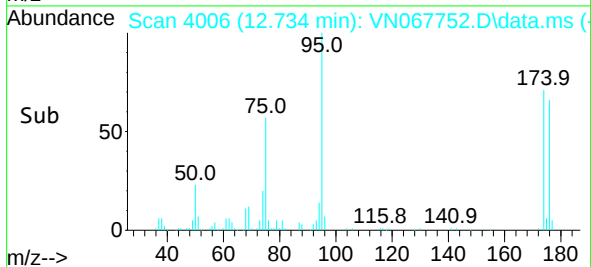
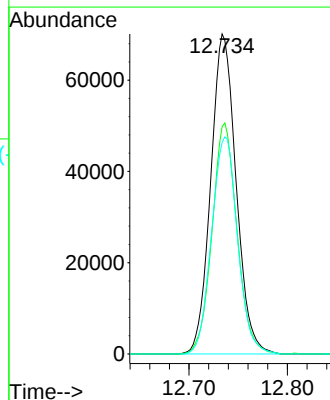
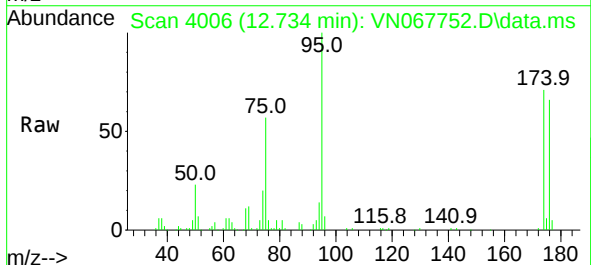
Instrument :
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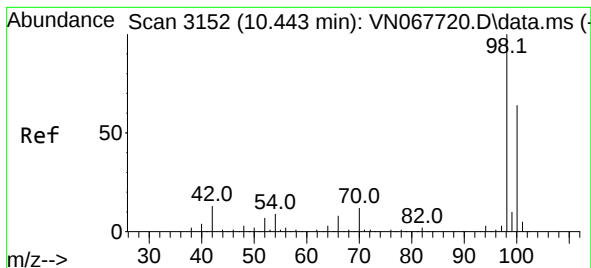
Tgt Ion:117 Resp: 302824
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.0
119 31.2 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 25.601 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

Tgt Ion: 95 Resp: 125905
Ion Ratio Lower Upper
95 100
174 70.8 57.1 85.7
176 69.3 54.6 81.8

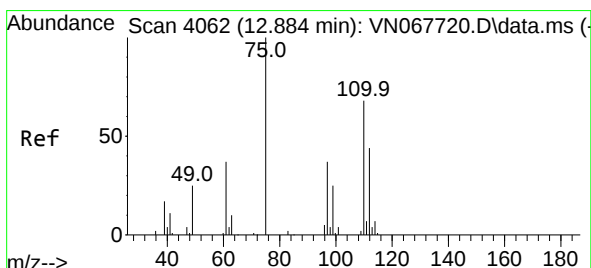
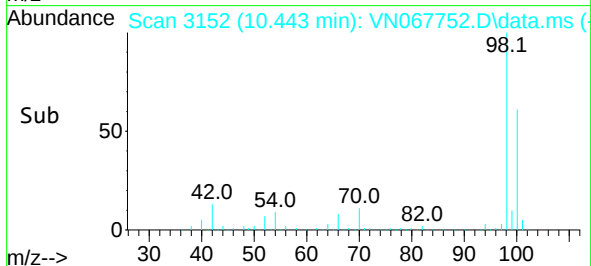
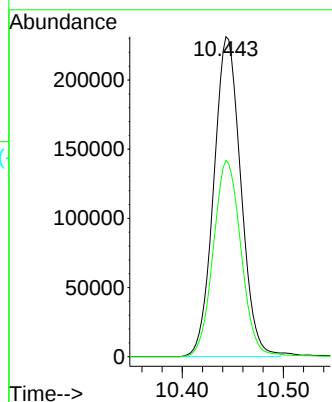
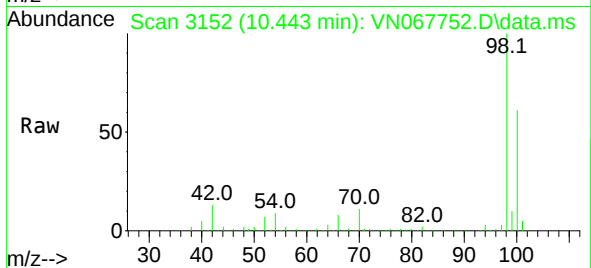




#63
Toluene-d8
Concen: 30.889 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

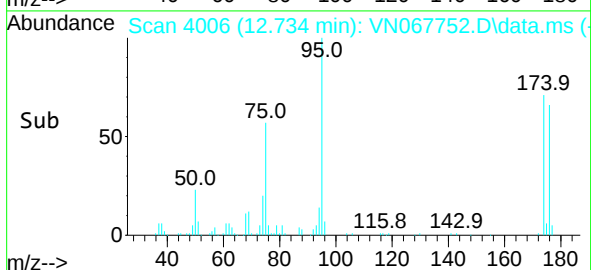
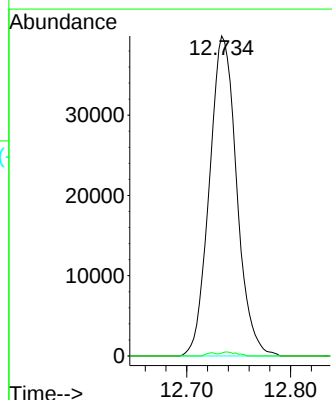
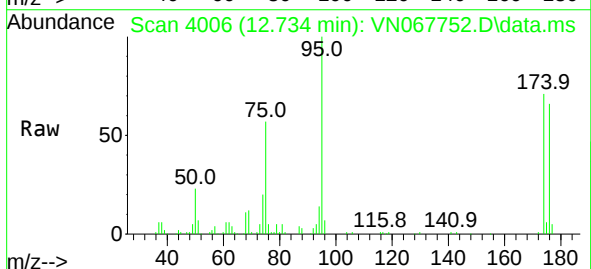
Instrument :
MSVOA_N
ClientSampled :
EX-05RE

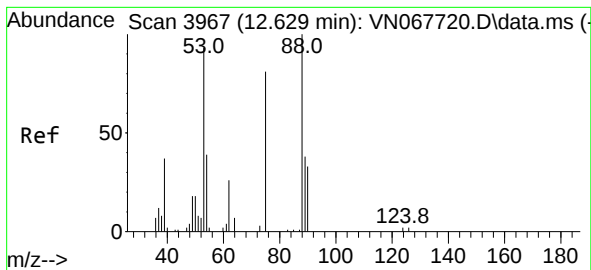
Tgt Ion: 98 Resp: 430237
Ion Ratio Lower Upper
98 100
100 62.8 51.0 76.4



#72
1,2,3-Trichloropropane
Concen: 16.103 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067752.D
Acq: 14 Jul 2021 18:46

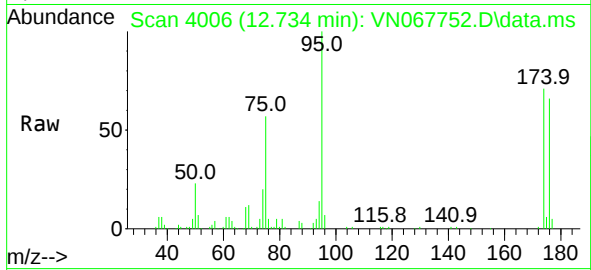
Tgt Ion: 75 Resp: 72790
Ion Ratio Lower Upper
75 100
77 0.4 0.0 365.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 47.715 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN067752.D
 Acq: 14 Jul 2021 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 EX-05RE



Tgt Ion: 75 Resp: 72790
 Ion Ratio Lower Upper
 75 100
 53 0.0 57.0 171.0#
 89 0.0 24.7 74.1#

