

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061621\
 Data File : VN067364.D
 Acq On : 16 Jun 2021 15:29
 Operator : JC/MD
 Sample : VN0616WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 04:19:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

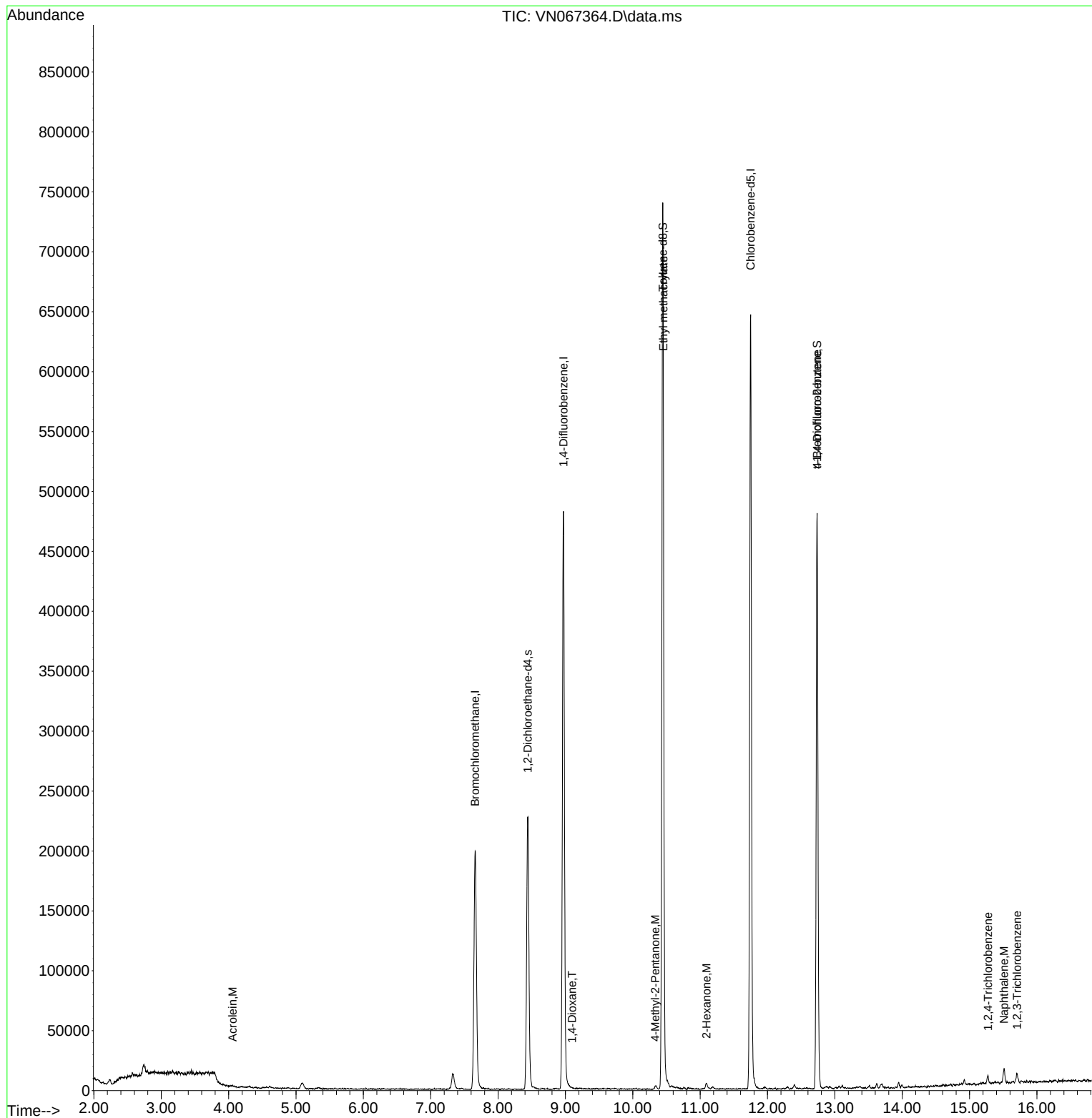
Internal Standards						
1) Bromochloromethane	7.659	128	63316	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	390571	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	349420	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	202190	30.387	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.300%
60) 4-Bromofluorobenzene	12.736	95	182027	26.983	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.933%
63) Toluene-d8	10.446	98	509983	30.604	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.000%
Target Compounds						
					Qvalue	
13) Acrolein	4.060	56	362	0.533	ug/l	87
45) 1,4-Dioxane	9.097	88	111	1.263	ug/l #	27
51) Ethyl methacrylate	10.454	69	2214	0.256	ug/l	71
58) 4-Methyl-2-Pentanone	10.336	43	1861	0.242	ug/l #	78
59) 2-Hexanone	11.095	43	4329	0.779	ug/l #	81
77) t-1,4-Dichloro-2-butene	12.736	75	107630	46.264	ug/l #	6
89) 1,2,4-Trichlorobenzene	15.273	180	1845	0.450	ug/l #	95
91) Naphthalene	15.512	128	9877	0.717	ug/l #	75
92) 1,2,3-Trichlorobenzene	15.705	180	2093	0.525	ug/l	78

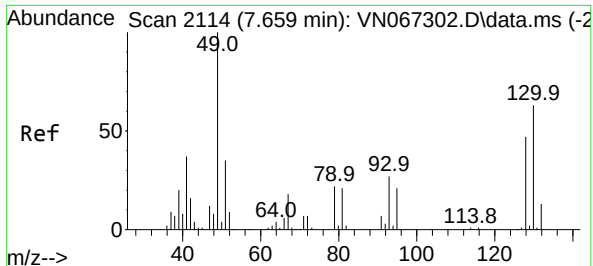
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

Quant Time: Jun 17 04:19:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 12 09:13:15 2021
Response via : Initial Calibration

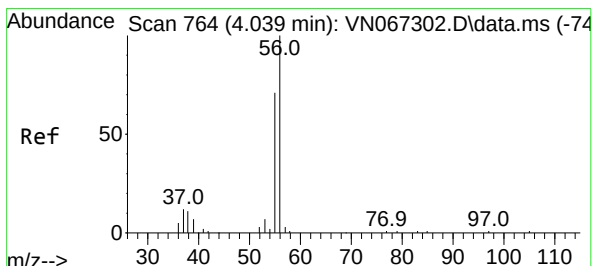
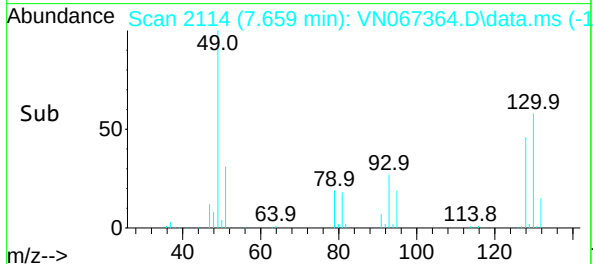
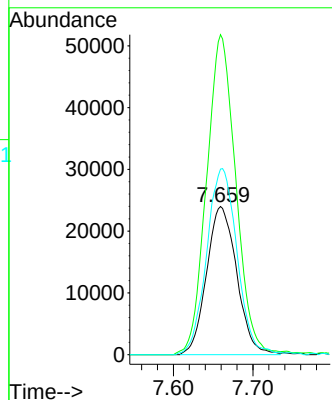
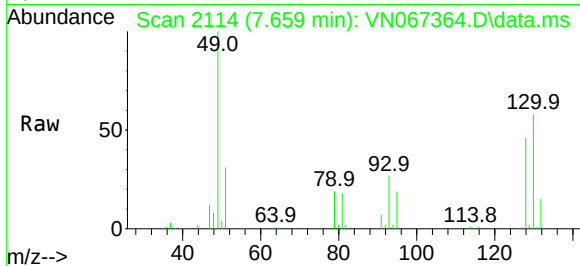




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

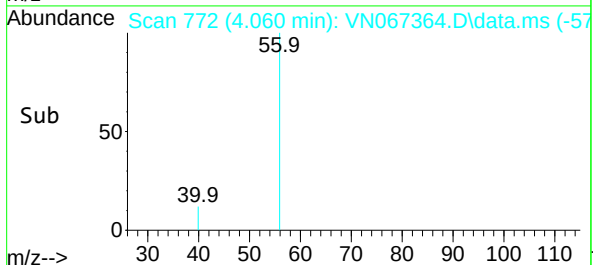
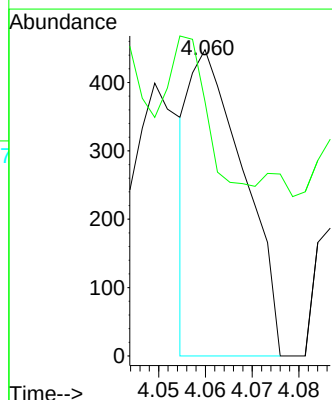
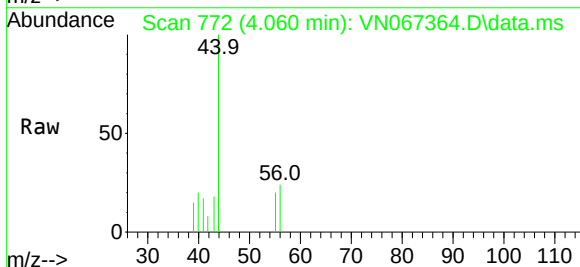
Instrument :
MSVOA_N
ClientSampled :

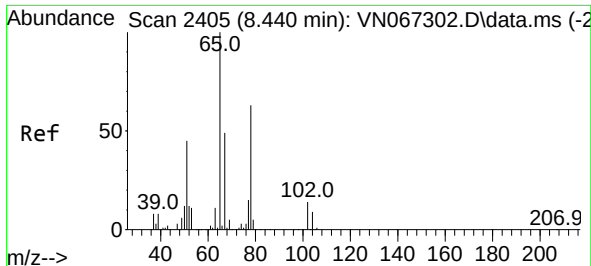
Tgt Ion:128 Resp: 63316
Ion Ratio Lower Upper
128 100
49 208.8 0.0 517.5
130 126.4 0.0 325.8



#13
Acrolein
Concen: 0.533 ug/l
RT: 4.060 min Scan# 772
Delta R.T. 0.021 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

Tgt Ion: 56 Resp: 362
Ion Ratio Lower Upper
56 100
55 61.3 57.5 86.3



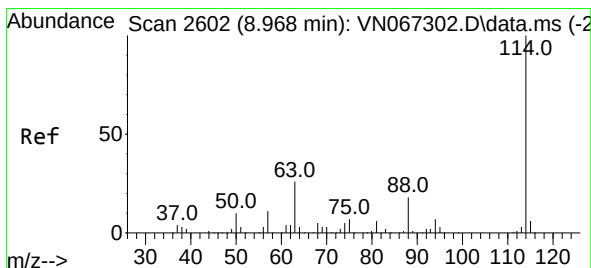
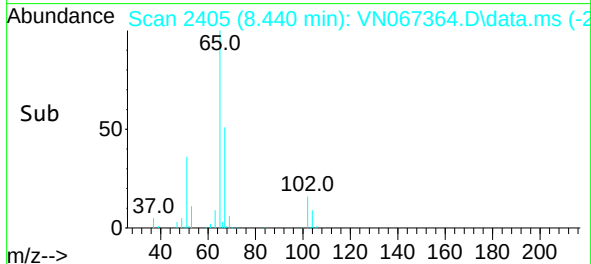
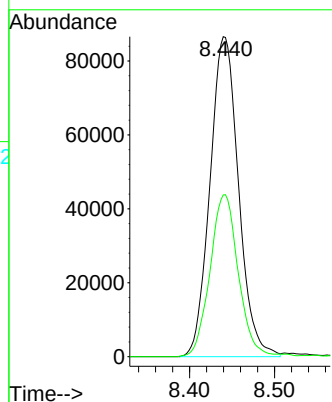
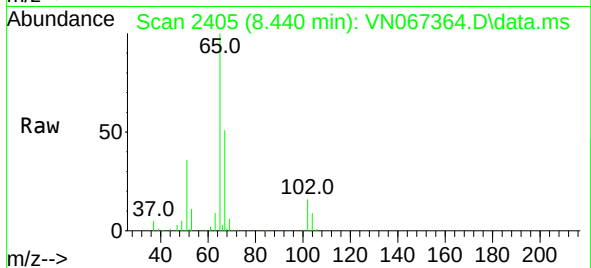


#27

1,2-Dichloroethane-d4
Concen: 30.387 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

Instrument :
MSVOA_N
ClientSampled :

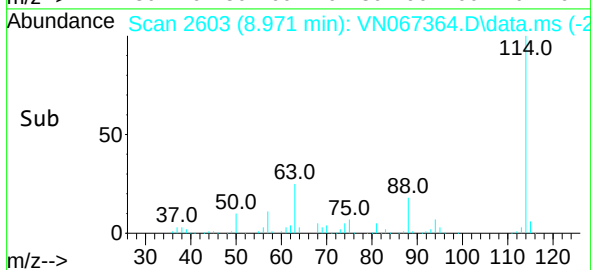
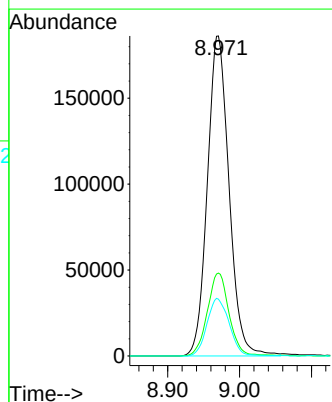
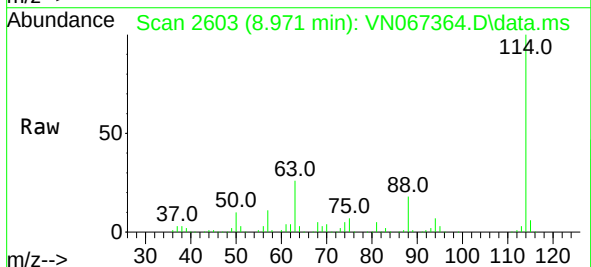
Tgt Ion: 65 Resp: 202190
Ion Ratio Lower Upper
65 100
67 49.9 39.8 59.8

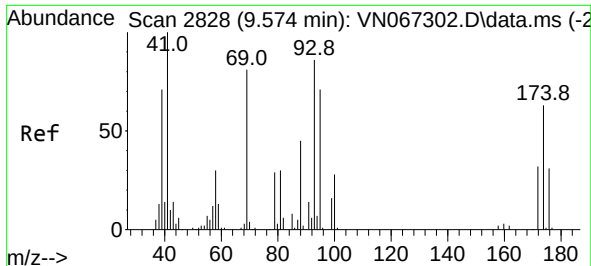


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

Tgt Ion: 114 Resp: 390571
Ion Ratio Lower Upper
114 100
63 25.6 20.3 30.5
88 18.4 14.6 22.0

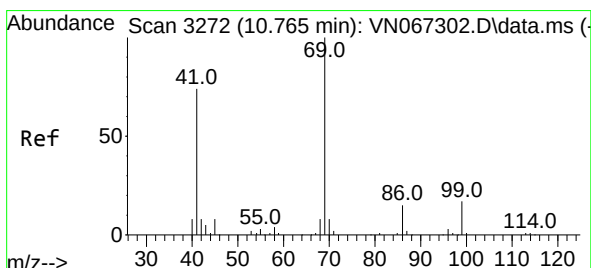
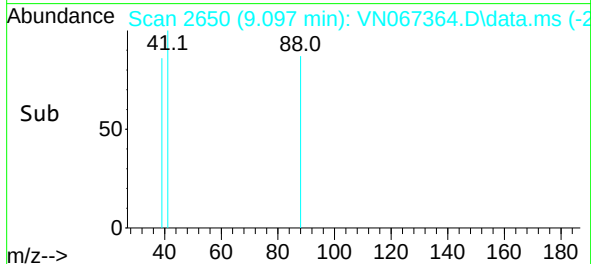
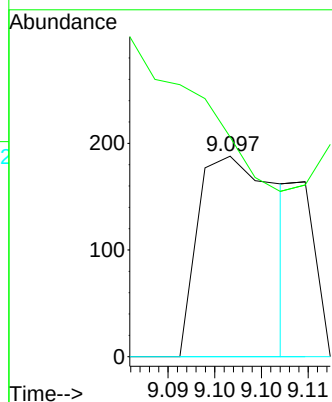
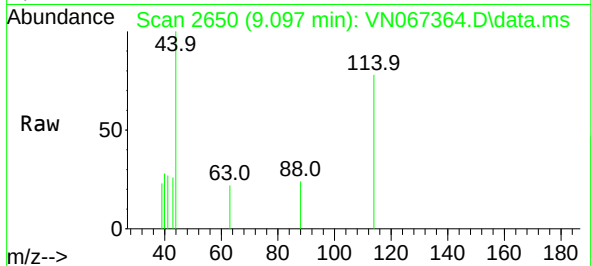




#45
1,4-Dioxane
Concen: 1.263 ug/l
RT: 9.097 min Scan# 2650
Delta R.T. -0.477 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

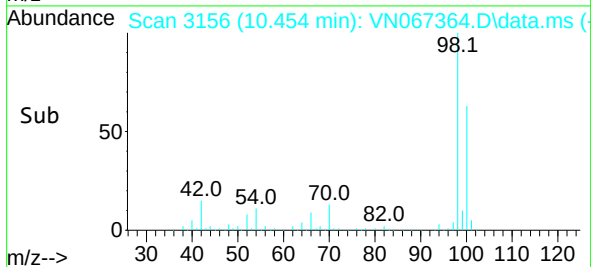
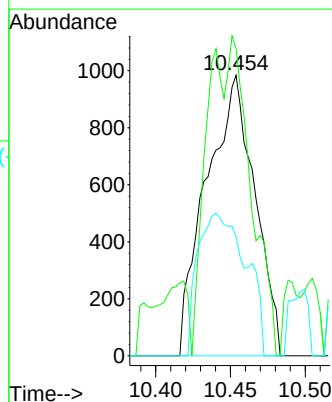
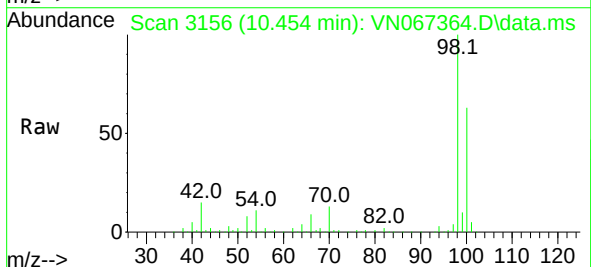
Instrument :
MSVOA_N
ClientSampleId :

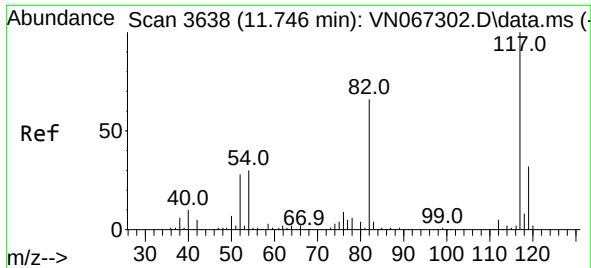
Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
43 36.0 18.0 27.0#
58 0.0 57.7 86.5#



#51
Ethyl methacrylate
Concen: 0.256 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.311 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

Tgt Ion: 69 Resp: 2214
Ion Ratio Lower Upper
69 100
41 109.7 36.8 110.4
39 42.4 23.8 71.2

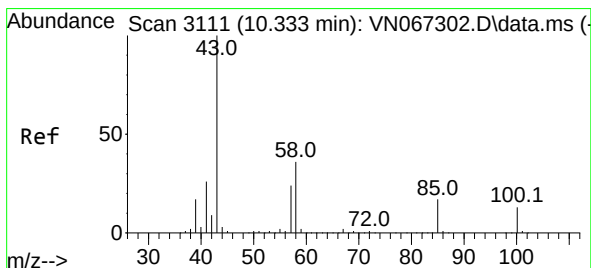
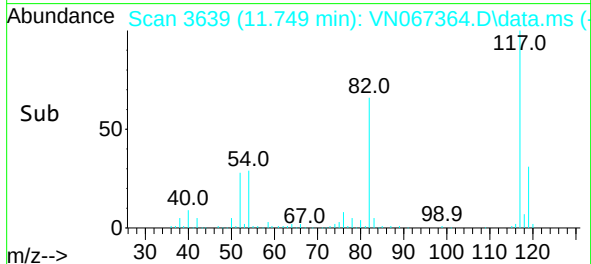
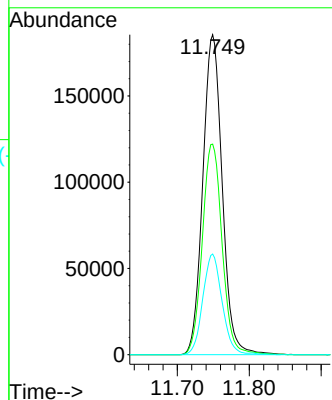
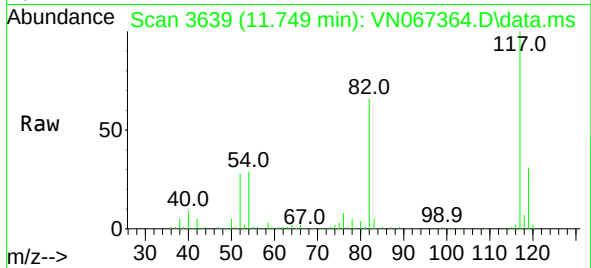




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

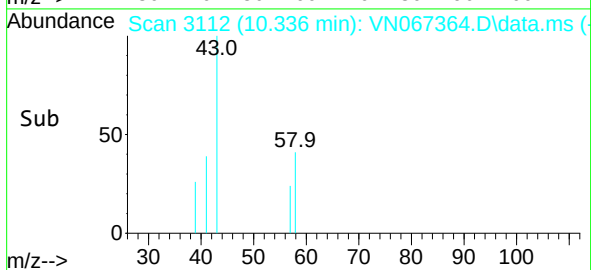
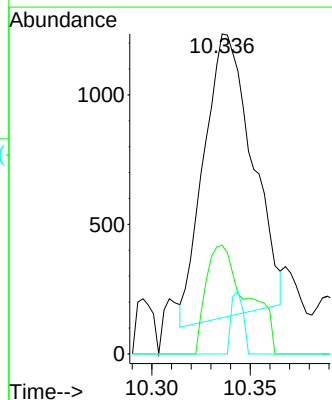
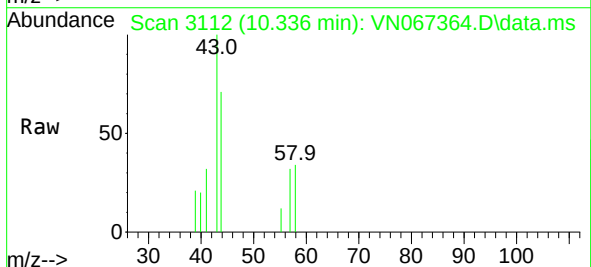
Instrument :
MSVOA_N
ClientSampled :

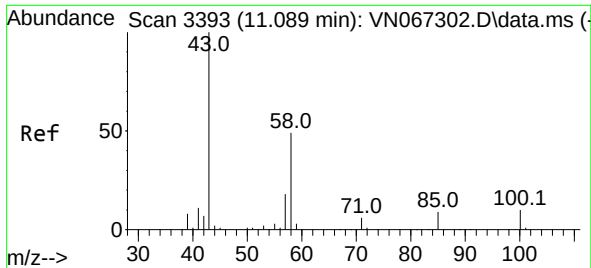
Tgt Ion:117 Resp: 349420
Ion Ratio Lower Upper
117 100
82 67.1 52.5 78.7
119 31.1 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

Tgt Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
58 24.2 29.0 43.4#
85 5.4 13.2 19.8#

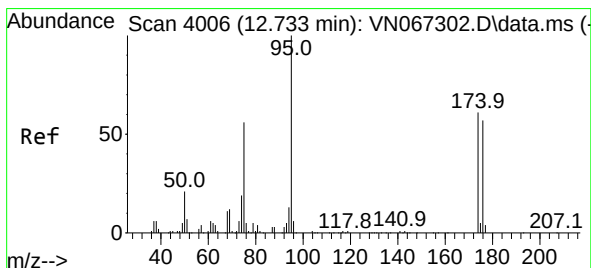
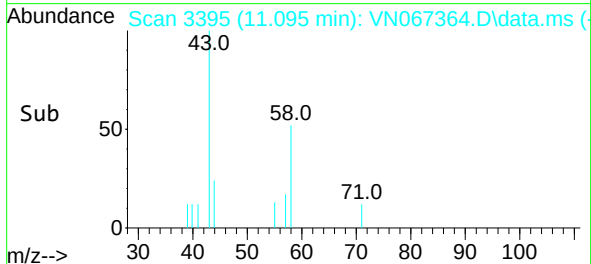
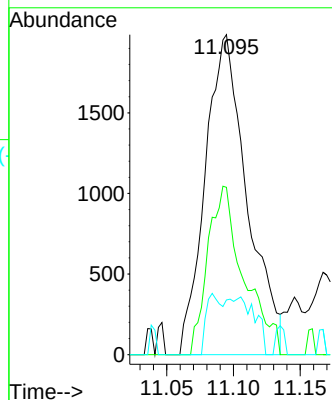
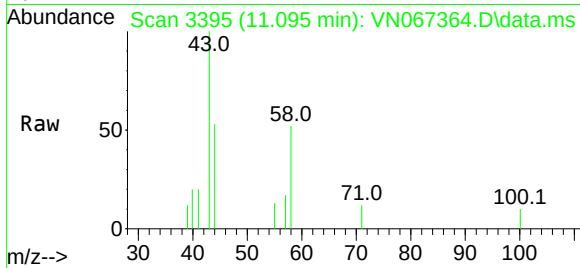




#59
2-Hexanone
Concen: 0.779 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.005 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

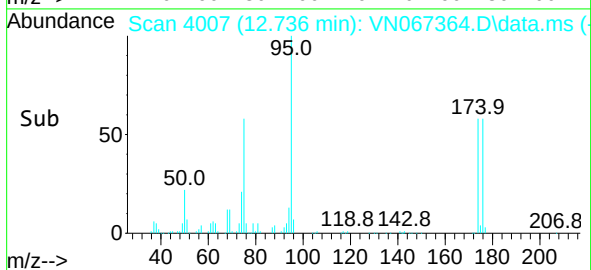
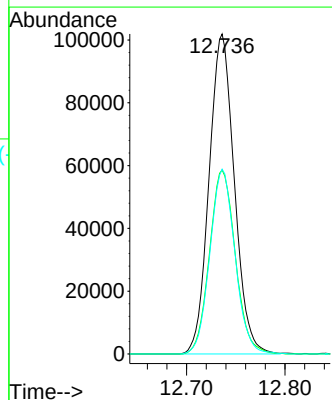
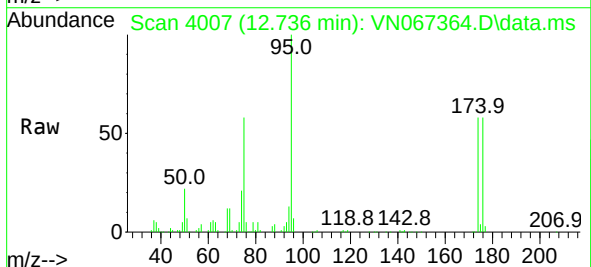
Instrument :
MSVOA_N
ClientSampled :

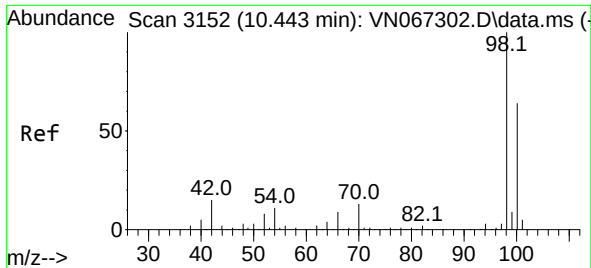
Tgt Ion: 43 Resp: 4329
Ion Ratio Lower Upper
43 100
58 37.2 39.4 59.0#
57 7.1 14.4 21.6#



#60
4-Bromofluorobenzene
Concen: 26.983 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

Tgt Ion: 95 Resp: 182027
Ion Ratio Lower Upper
95 100
174 58.6 47.7 71.5
176 57.3 45.7 68.5

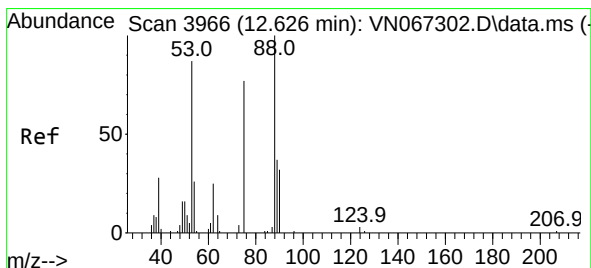
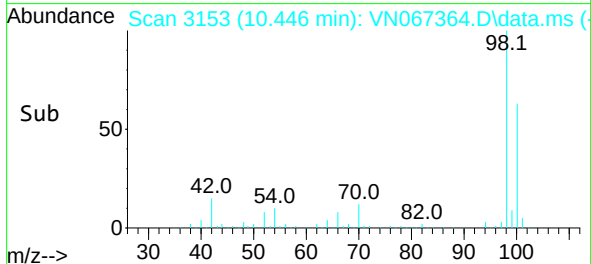
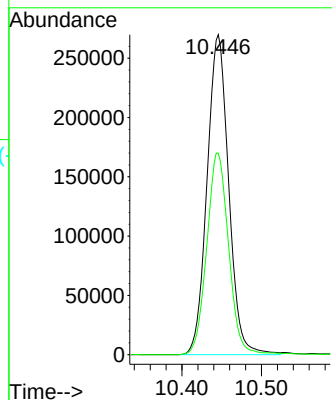
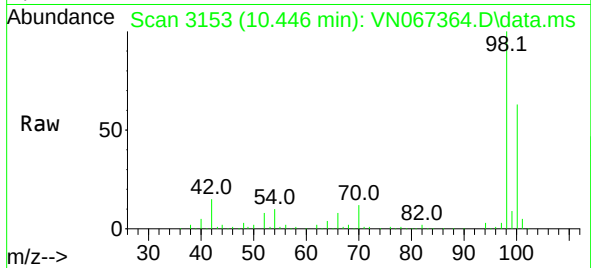




#63
Toluene-d8
Concen: 30.604 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

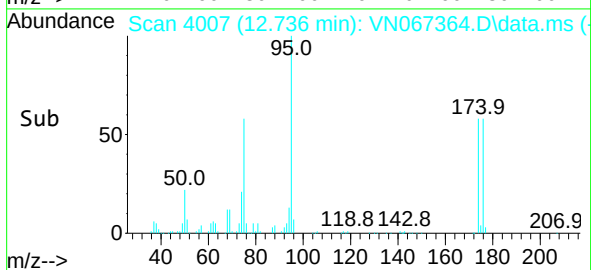
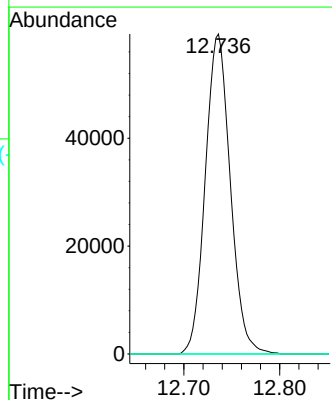
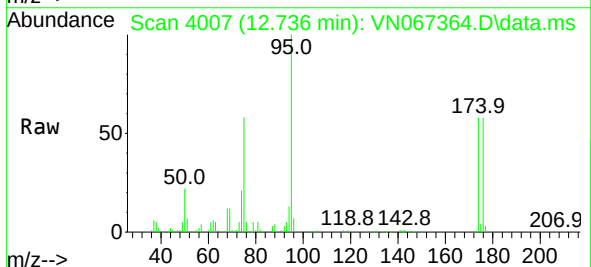
Instrument :
MSVOA_N
ClientSampled :

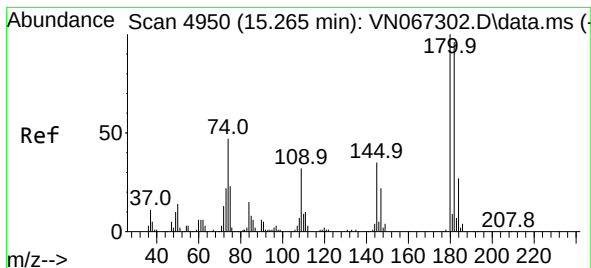
Tgt Ion: 98 Resp: 509983
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



#77
t-1,4-Dichloro-2-butene
Concen: 46.264 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.110 min
Lab File: VN067364.D
Acq: 16 Jun 2021 15:29

Tgt Ion: 75 Resp: 107630
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#





#89

1,2,4-Trichlorobenzene

Concen: 0.450 ug/l

RT: 15.273 min Scan# 4953

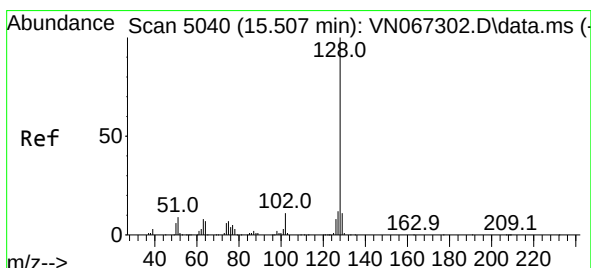
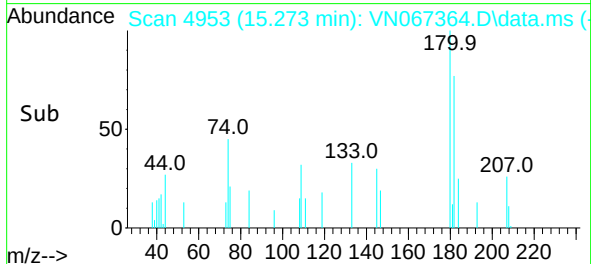
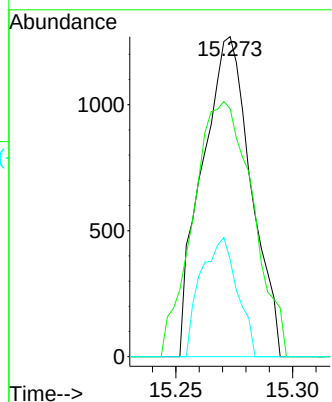
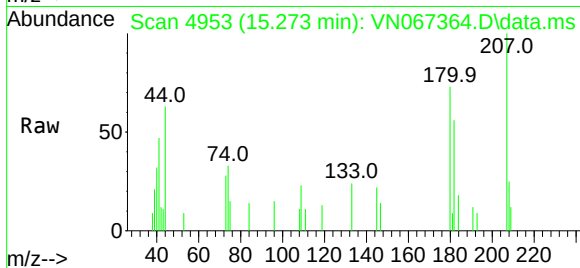
Delta R.T. 0.008 min

Lab File: VN067364.D

Acq: 16 Jun 2021 15:29

Tgt Ion:	180	Resp:	1845
Ion Ratio	Lower	Upper	
180	100		
182	97.1	75.9	113.9
145	27.8	28.8	43.2#

Instrument :
MSVOA_N
ClientSampled :



#91

Naphthalene

Concen: 0.717 ug/l

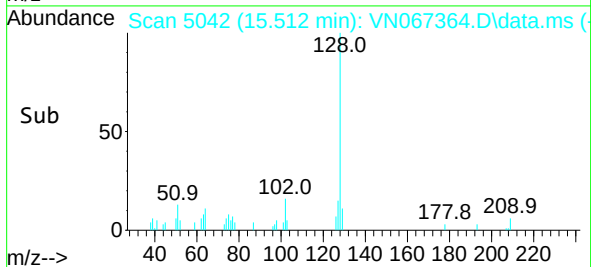
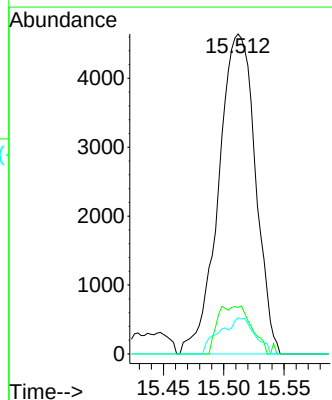
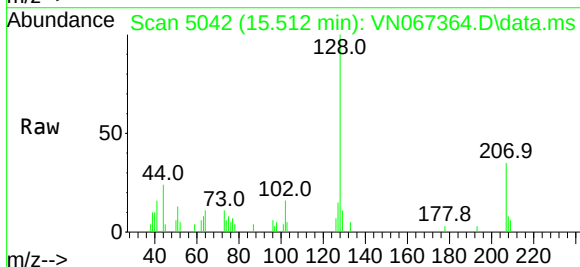
RT: 15.512 min Scan# 5042

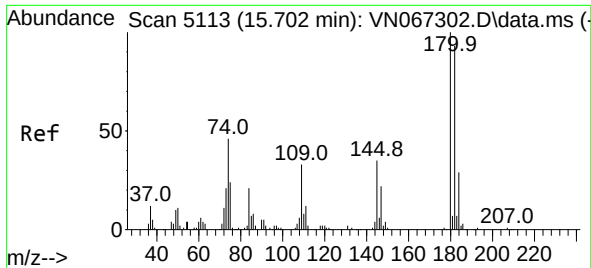
Delta R.T. 0.005 min

Lab File: VN067364.D

Acq: 16 Jun 2021 15:29

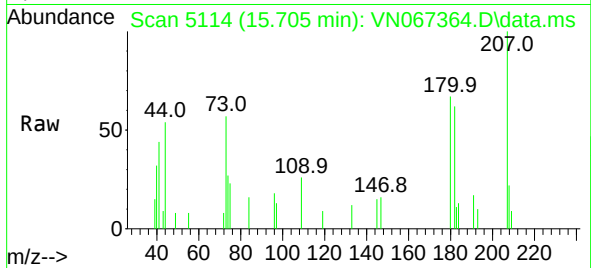
Tgt Ion:	128	Resp:	9877
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.1	15.1#
129	4.5	8.9	13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.525 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067364.D
 Acq: 16 Jun 2021 15:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2093
Ion	Ratio	Lower	Upper
180	100		
182	99.0	0.0	184.6
145	3.2	0.0	76.0

