

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067868.D
 Acq On : 22 Jul 2021 17:51
 Operator : JC/MD
 Sample : M3110-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 07:14:20 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)

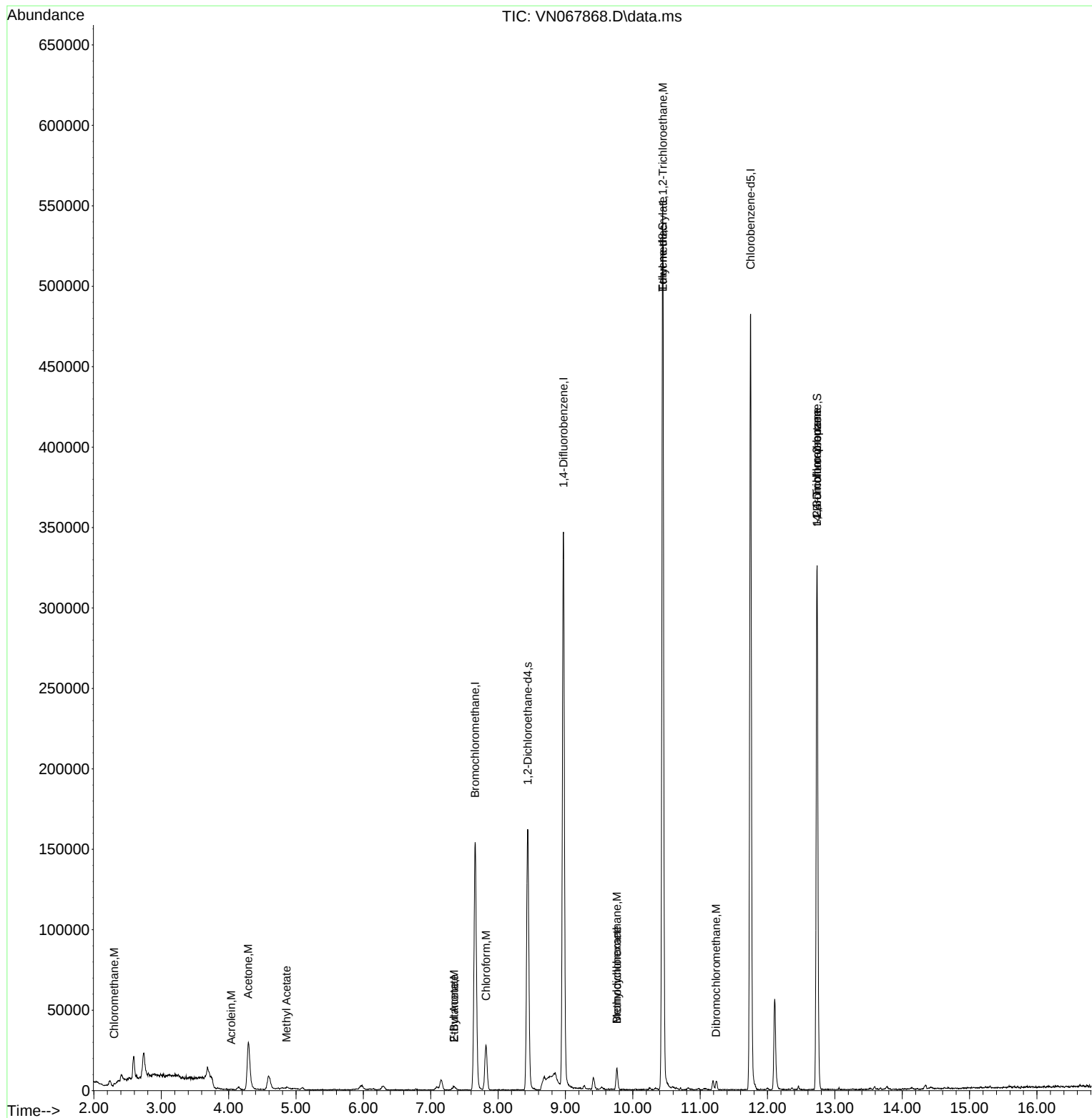
Internal Standards						
1) Bromochloromethane	7.659	128	54211	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	300672	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	273713	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	140066	31.981	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.600%
60) 4-Bromofluorobenzene	12.736	95	115722	26.033	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.767%
63) Toluene-d8	10.443	98	378416	30.058	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	798	0.231	ug/l #	73
12) Methyl Acetate	4.859	43	777	0.216	ug/l #	82
13) Acrolein	4.039	56	277	0.737	ug/l #	100
15) Acetone	4.291	58	15546	39.735	ug/l	78
25) Chloroform	7.820	83	27414	4.087	ug/l	97
30) 2-Butanone	7.348	43	941	0.431	ug/l #	84
38) Methylcyclohexane	9.765	83	9155	1.752	ug/l #	19
41) Bromodichloromethane	9.765	83	9155	1.804	ug/l	93
43) Ethyl Acetate	7.348	43	941	0.213	ug/l #	67
50) 1,1,2-Trichloroethane	10.449	97	14402	3.903	ug/l #	1
51) Ethyl methacrylate	10.446	69	1669	0.291	ug/l #	85
53) Dibromochloromethane	11.237	129	1857	0.481	ug/l	94
72) 1,2,3-Trichloropropane	12.734	75	64839	15.869	ug/l	1
77) t-1,4-Dichloro-2-butene	12.734	75	64839	47.023	ug/l #	4

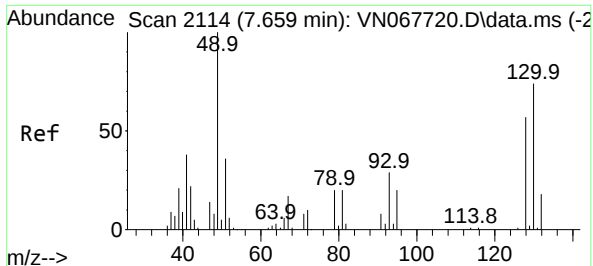
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
Data File : VN067868.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 24 07:14:20 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

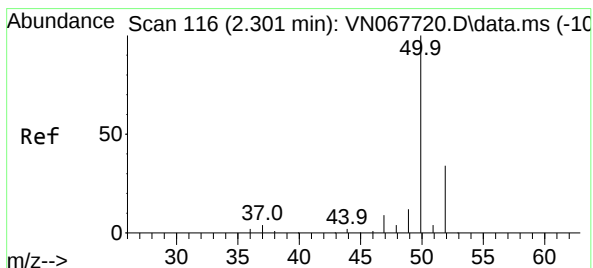
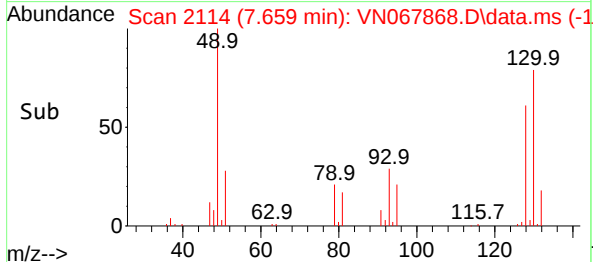
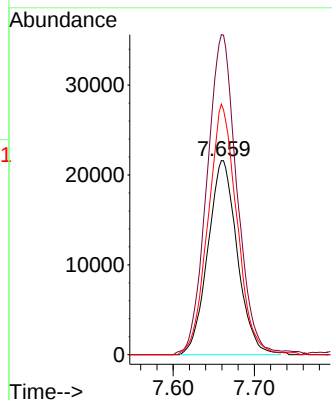
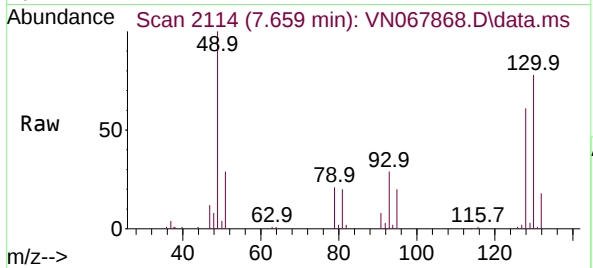




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

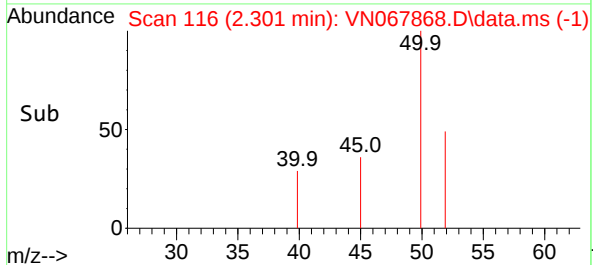
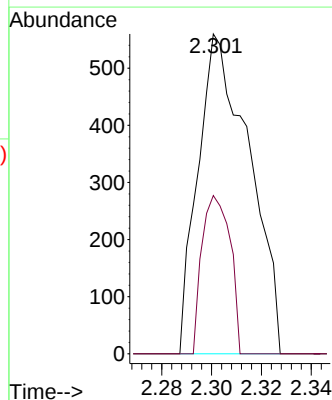
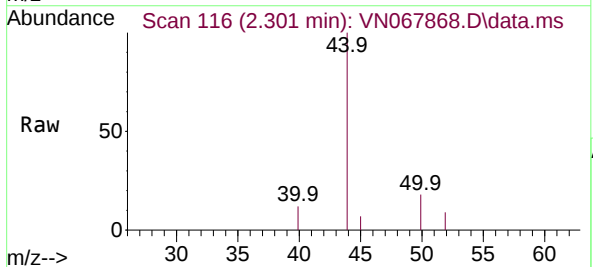
Instrument :
MSVOA_N
ClientSampleId :

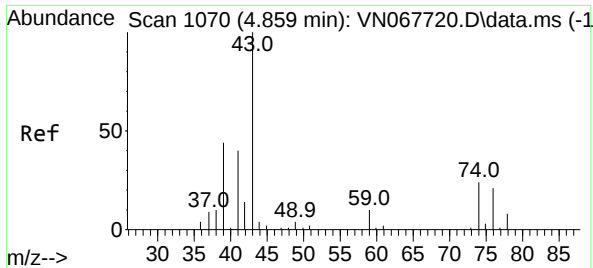
Tgt Ion:128 Resp: 54211
Ion Ratio Lower Upper
128 100
49 167.7 0.0 433.0
130 127.1 0.0 323.8



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion: 50 Resp: 798
Ion Ratio Lower Upper
50 100
52 49.5 27.2 40.8#

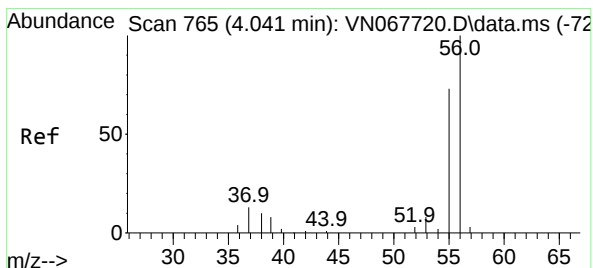
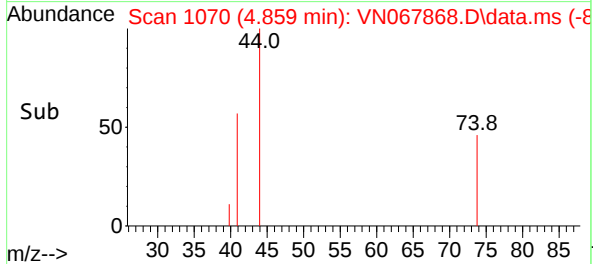
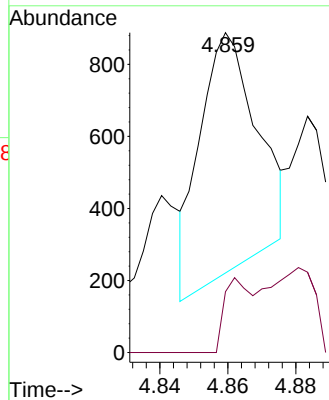
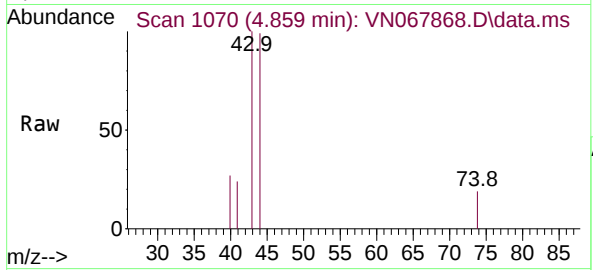




#12
Methyl Acetate
Concen: 0.216 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

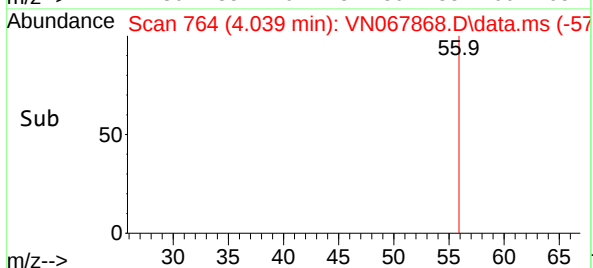
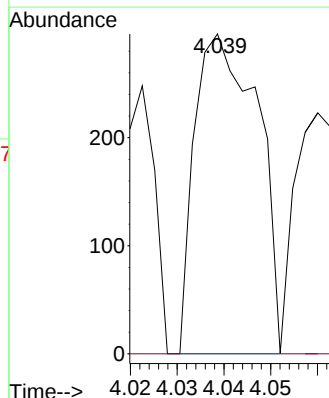
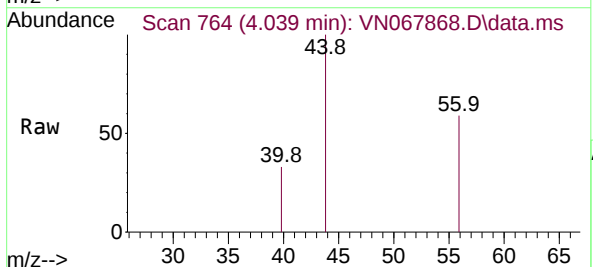
Instrument :
MSVOA_N
ClientSampled :

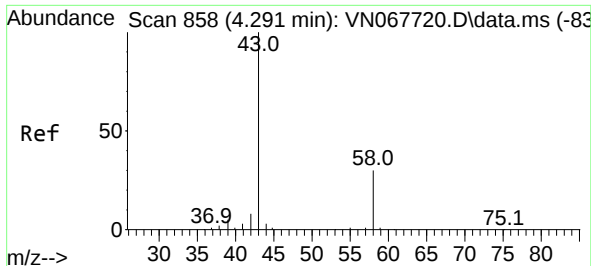
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
74 15.8 19.8 29.6#



#13
Acrolein
Concen: 0.737 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
55 0.0 0.2 0.2#

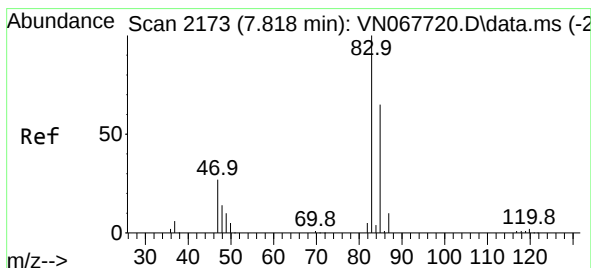
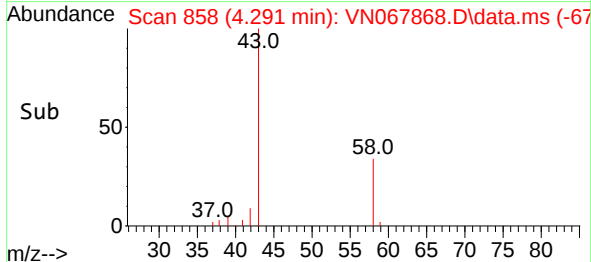
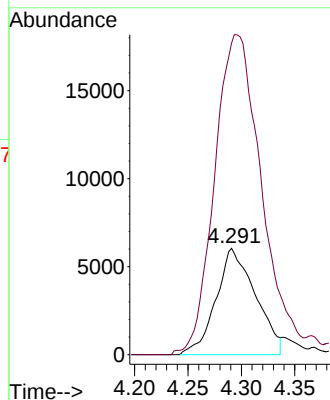
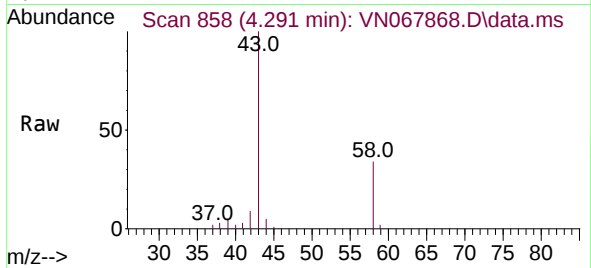




#15
Acetone
Concen: 39.735 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

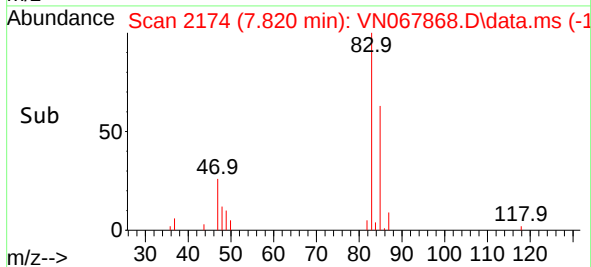
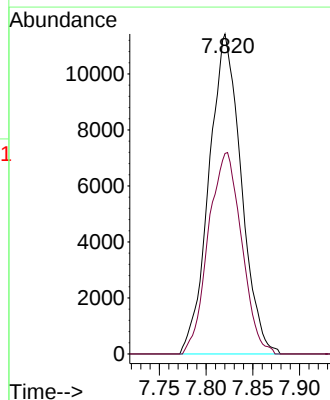
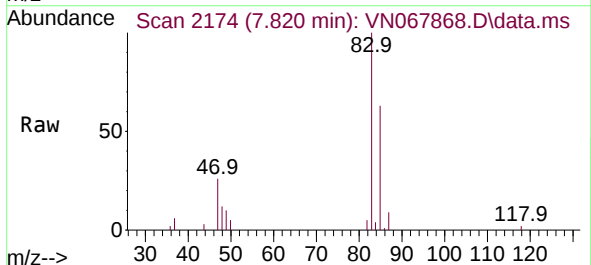
Instrument :
MSVOA_N
ClientSampled :

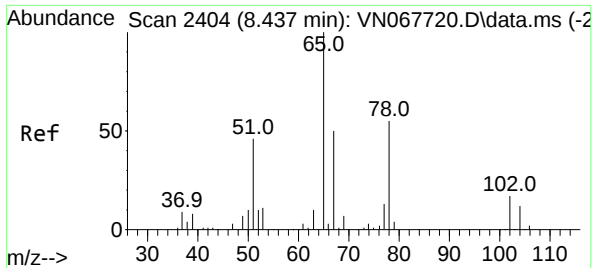
Tgt Ion: 58 Resp: 15546
Ion Ratio Lower Upper
58 100
43 288.6 268.2 402.4



#25
Chloroform
Concen: 4.087 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.003 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion: 83 Resp: 27414
Ion Ratio Lower Upper
83 100
85 62.7 52.3 78.5



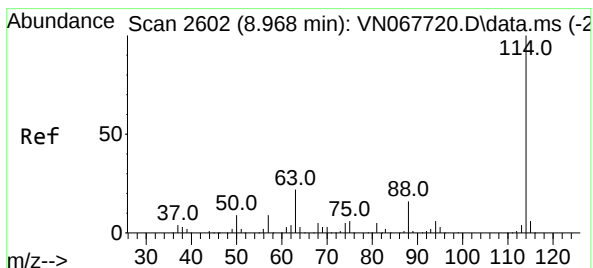
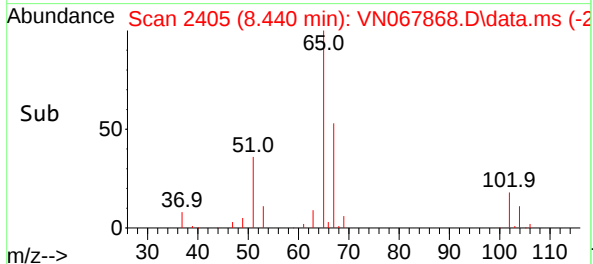
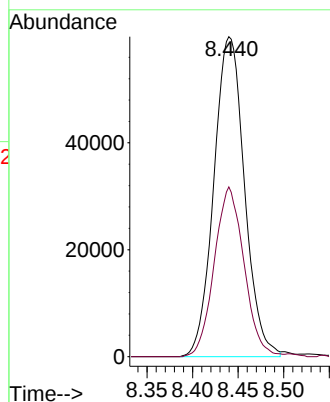
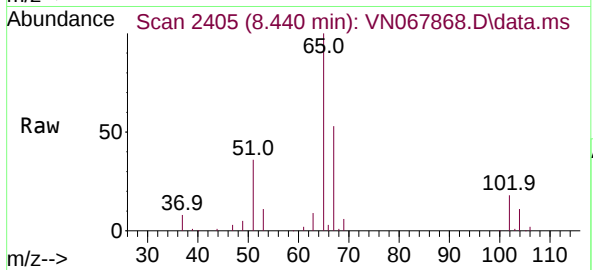


#27

1,2-Dichloroethane-d4
Concen: 31.981 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Instrument :
MSVOA_N
ClientSampled :

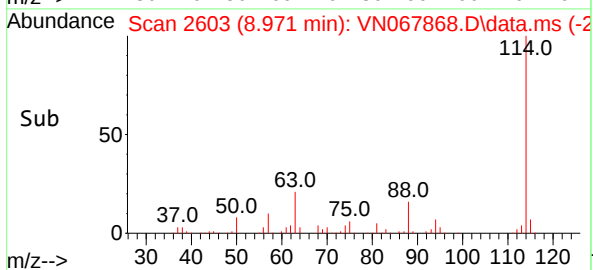
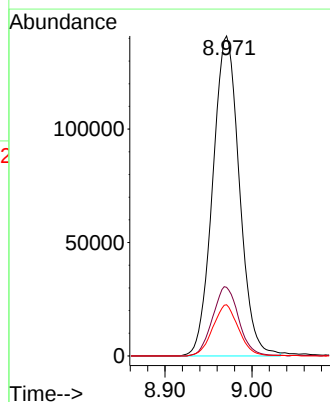
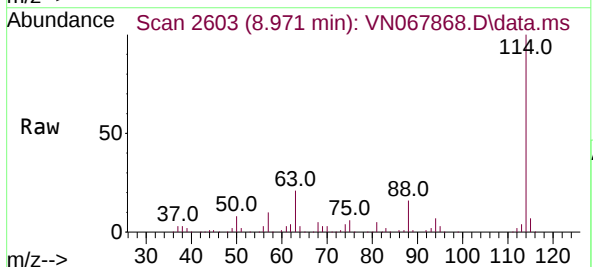
Tgt Ion: 65 Resp: 140066
Ion Ratio Lower Upper
65 100
67 51.5 40.6 60.8

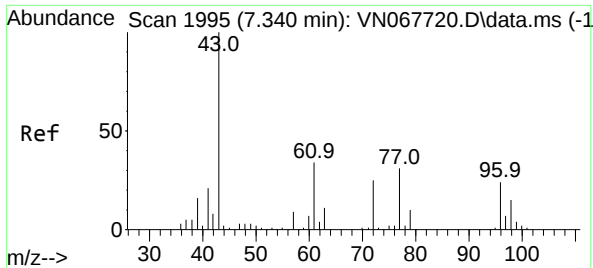


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion: 114 Resp: 300672
Ion Ratio Lower Upper
114 100
63 21.2 17.2 25.8
88 15.4 12.4 18.6

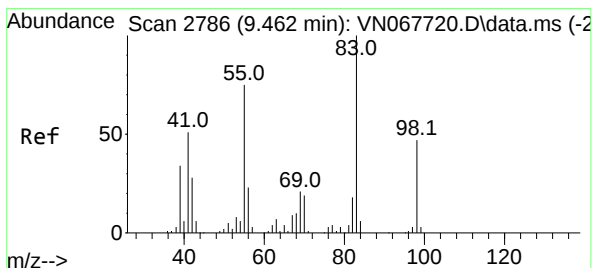
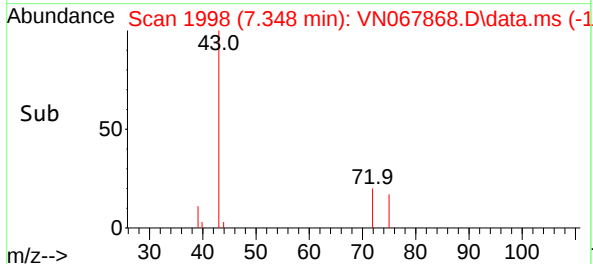
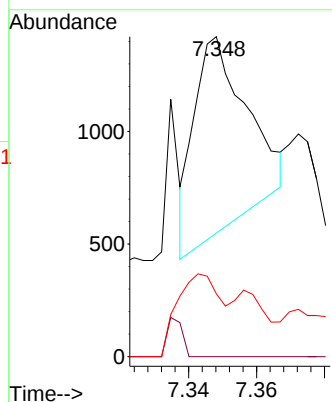
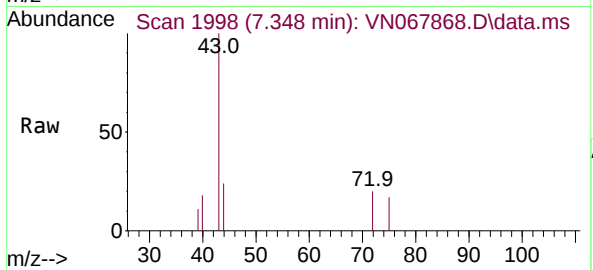




#30
2-Butanone
Concen: 0.431 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

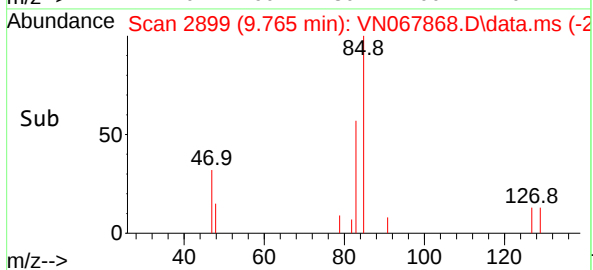
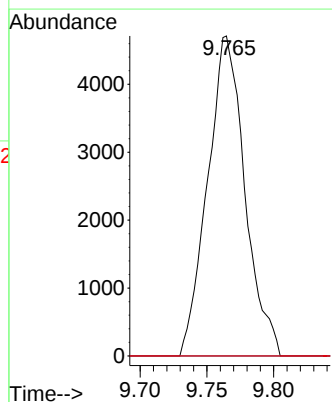
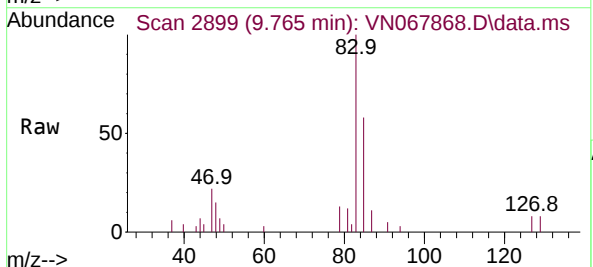
Instrument :
MSVOA_N
ClientSampled :

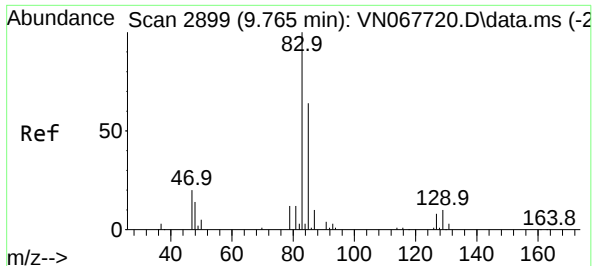
Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
57 0.0 6.6 9.8#
72 34.4 21.8 32.6#



#38
Methylcyclohexane
Concen: 1.752 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. 0.303 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion: 83 Resp: 9155
Ion Ratio Lower Upper
83 100
55 0.0 37.4 112.2#
98 0.0 23.5 70.6#

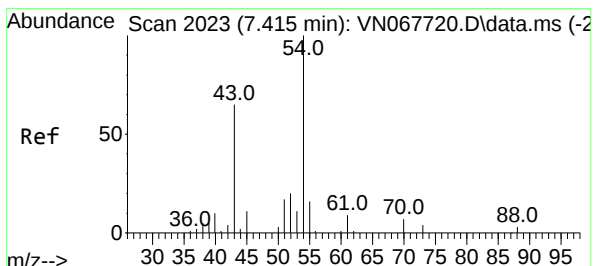
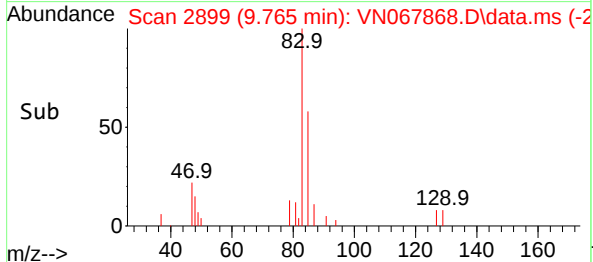
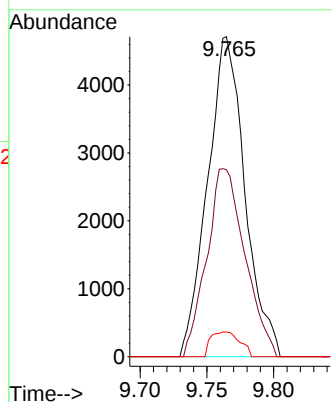
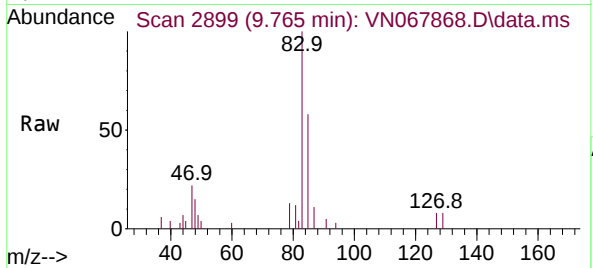




#41
Bromodichloromethane
Concen: 1.804 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. -0.000 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

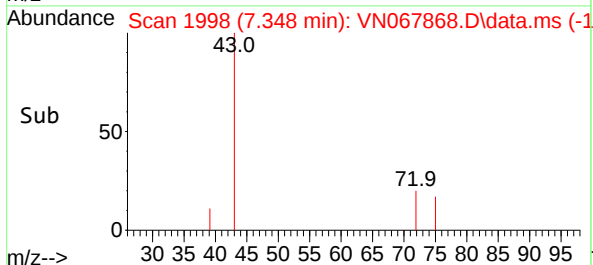
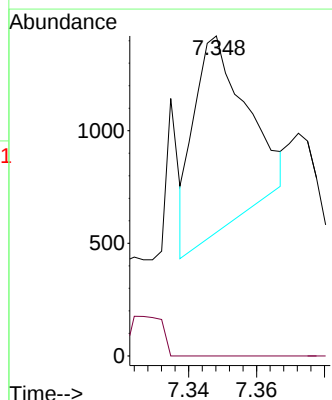
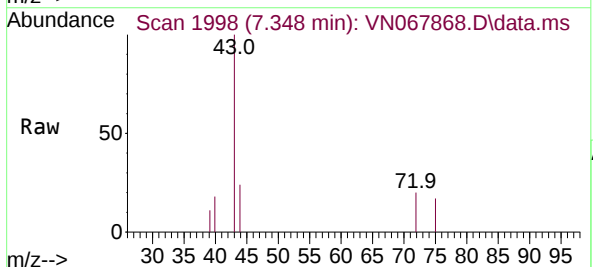
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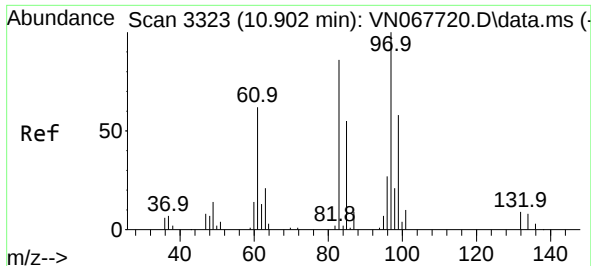
Tgt Ion:	83	Resp:	9155
Ion	Ratio	Lower	Upper
83	100		
85	58.4	51.3	76.9
127	7.7	6.6	10.0



#43
Ethyl Acetate
Concen: 0.213 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion:	43	Resp:	941
Ion	Ratio	Lower	Upper
43	100		
45	0.0	10.5	15.7#

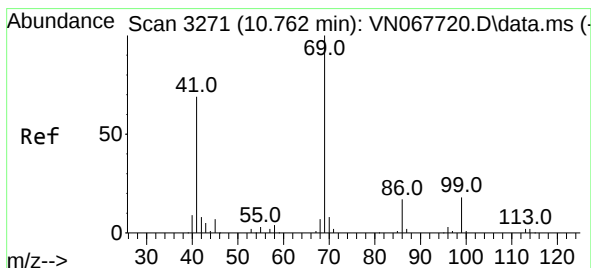
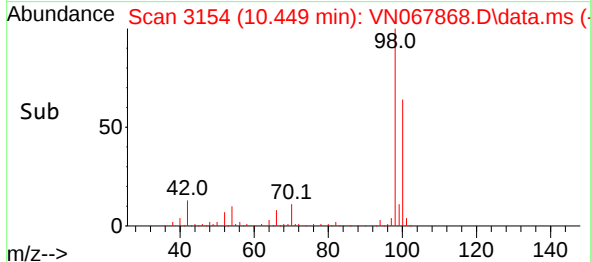
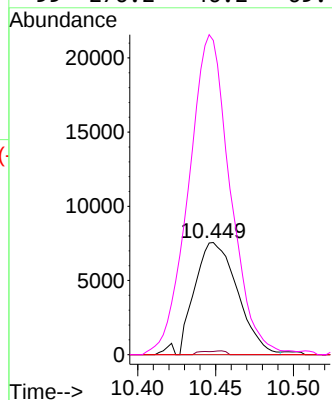
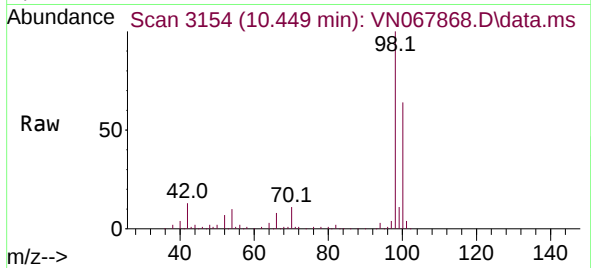




#50
1,1,2-Trichloroethane
Concen: 3.903 ug/l
RT: 10.449 min Scan# 3154
Delta R.T. -0.453 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

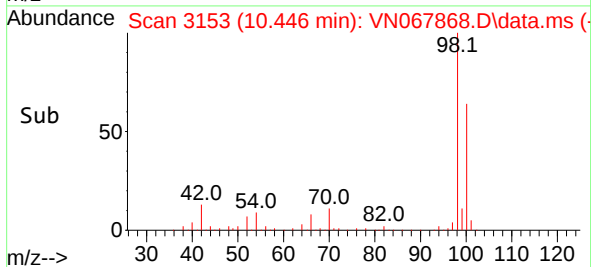
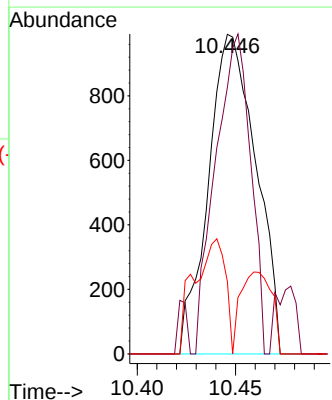
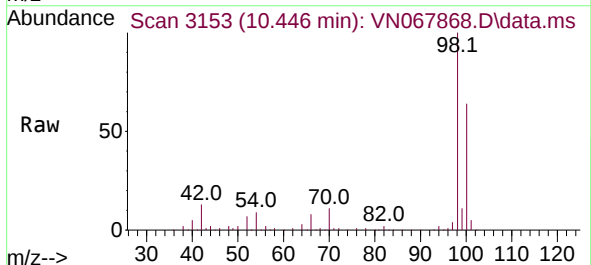
Instrument :
MSVOA_N
ClientSampleId :

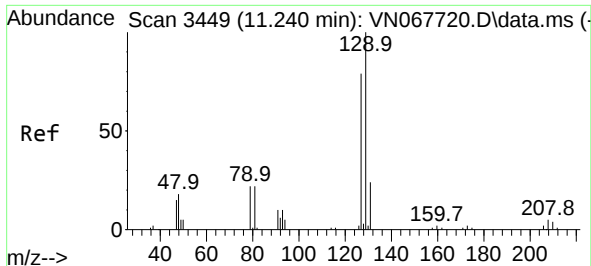
Tgt Ion:	97	Resp:	14402
Ion	Ratio	Lower	Upper
97	100		
83	2.9	69.0	103.4#
85	0.0	43.8	65.8#
99	276.2	46.2	69.4#



#51
Ethyl methacrylate
Concen: 0.291 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.317 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion:	69	Resp:	1669
Ion	Ratio	Lower	Upper
69	100		
41	68.1	34.3	102.9
39	22.6	23.7	71.1#

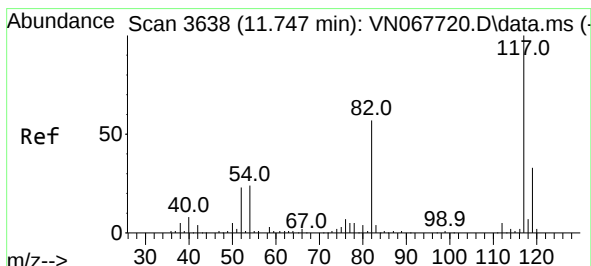
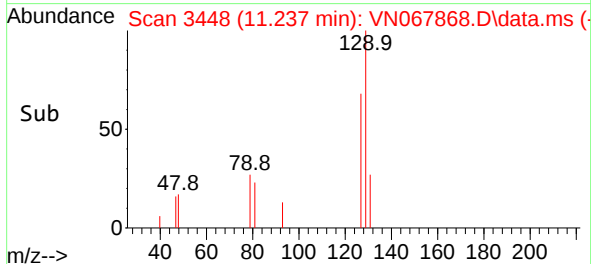
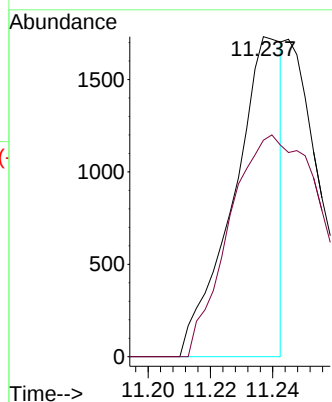
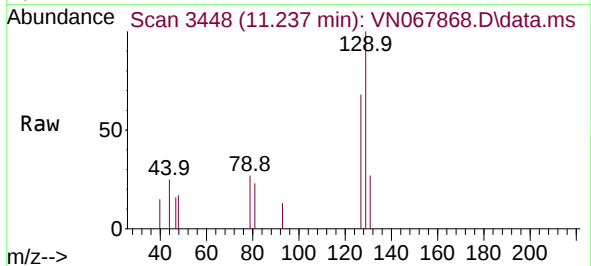




#53
Dibromochloromethane
Concen: 0.481 ug/l
RT: 11.237 min Scan# 3448
Delta R.T. -0.003 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

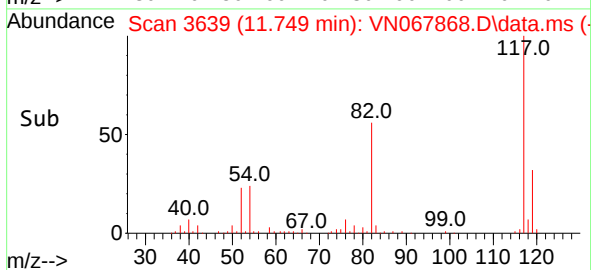
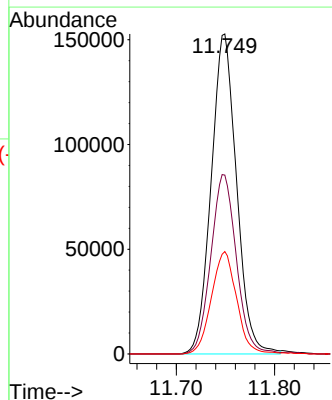
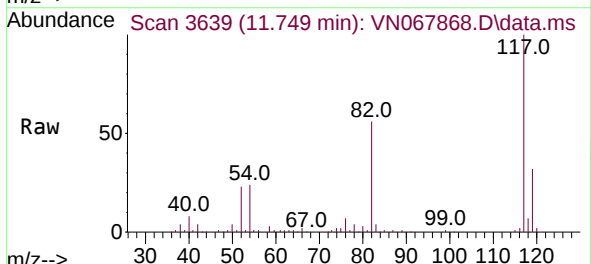
Instrument :
MSVOA_N
ClientSampleId :

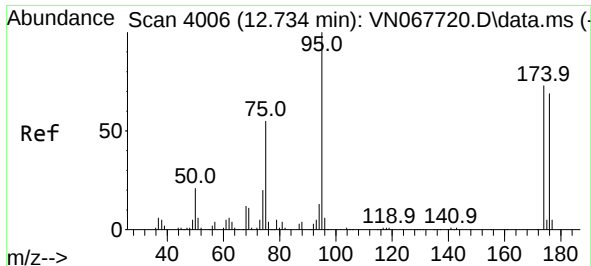
Tgt Ion:129 Resp: 1857
Ion Ratio Lower Upper
129 100
127 84.7 39.6 118.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion:117 Resp: 273713
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.0
119 31.8 25.7 38.5

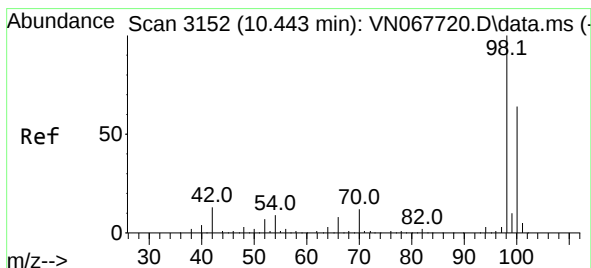
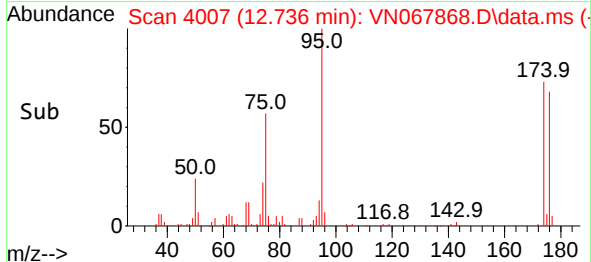
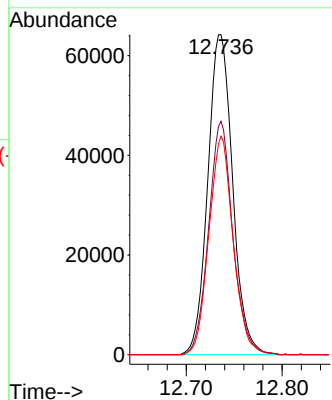
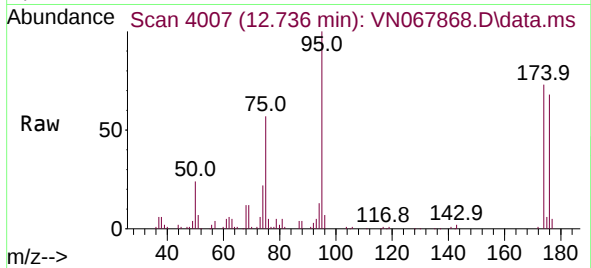




#60
4-Bromofluorobenzene
Concen: 26.033 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

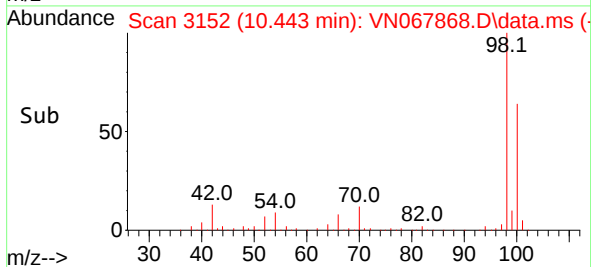
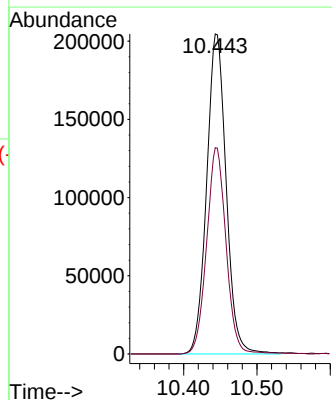
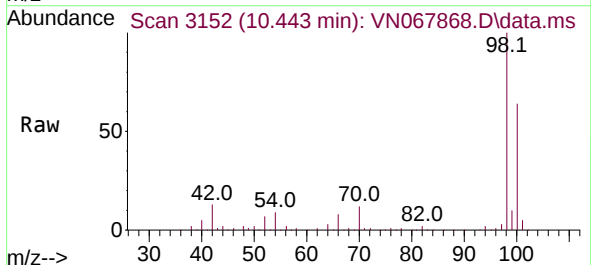
Instrument :
MSVOA_N
ClientSampled :

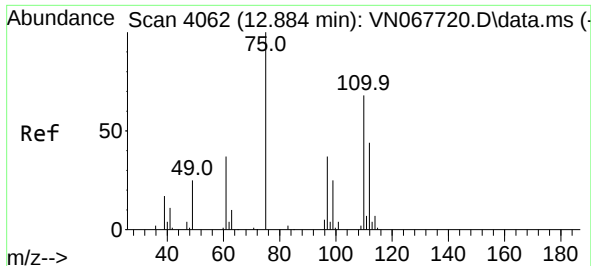
Tgt Ion: 95 Resp: 115722
Ion Ratio Lower Upper
95 100
174 71.0 57.1 85.7
176 66.5 54.6 81.8



#63
Toluene-d8
Concen: 30.058 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion: 98 Resp: 378416
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.4

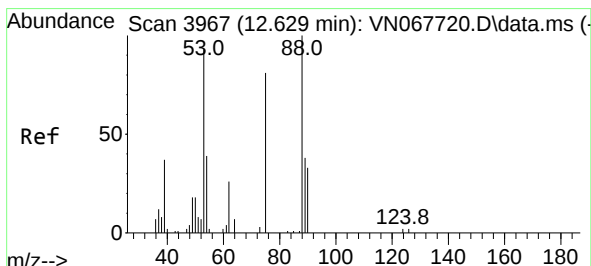
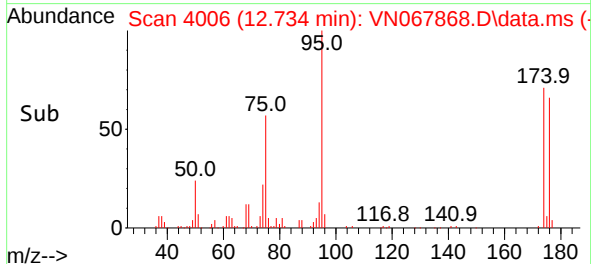
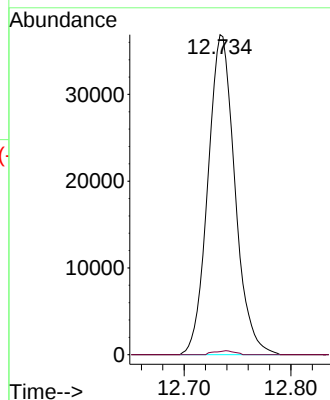
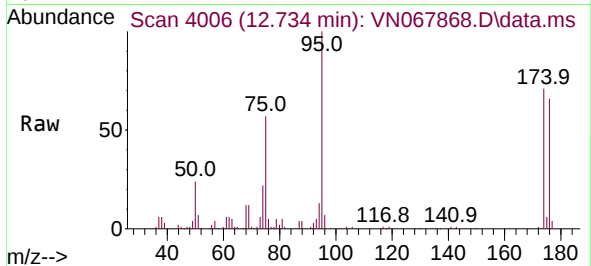




#72
1,2,3-Trichloropropane
Concen: 15.869 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 64839
Ion Ratio Lower Upper
75 100
77 0.9 0.0 365.2



#77
t-1,4-Dichloro-2-butene
Concen: 47.023 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067868.D
Acq: 22 Jul 2021 17:51

Tgt Ion: 75 Resp: 64839
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#

