

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067750.D
 Acq On : 14 Jul 2021 17:57
 Operator : JC/MD
 Sample : M3039-22 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 15 06:29:37 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)

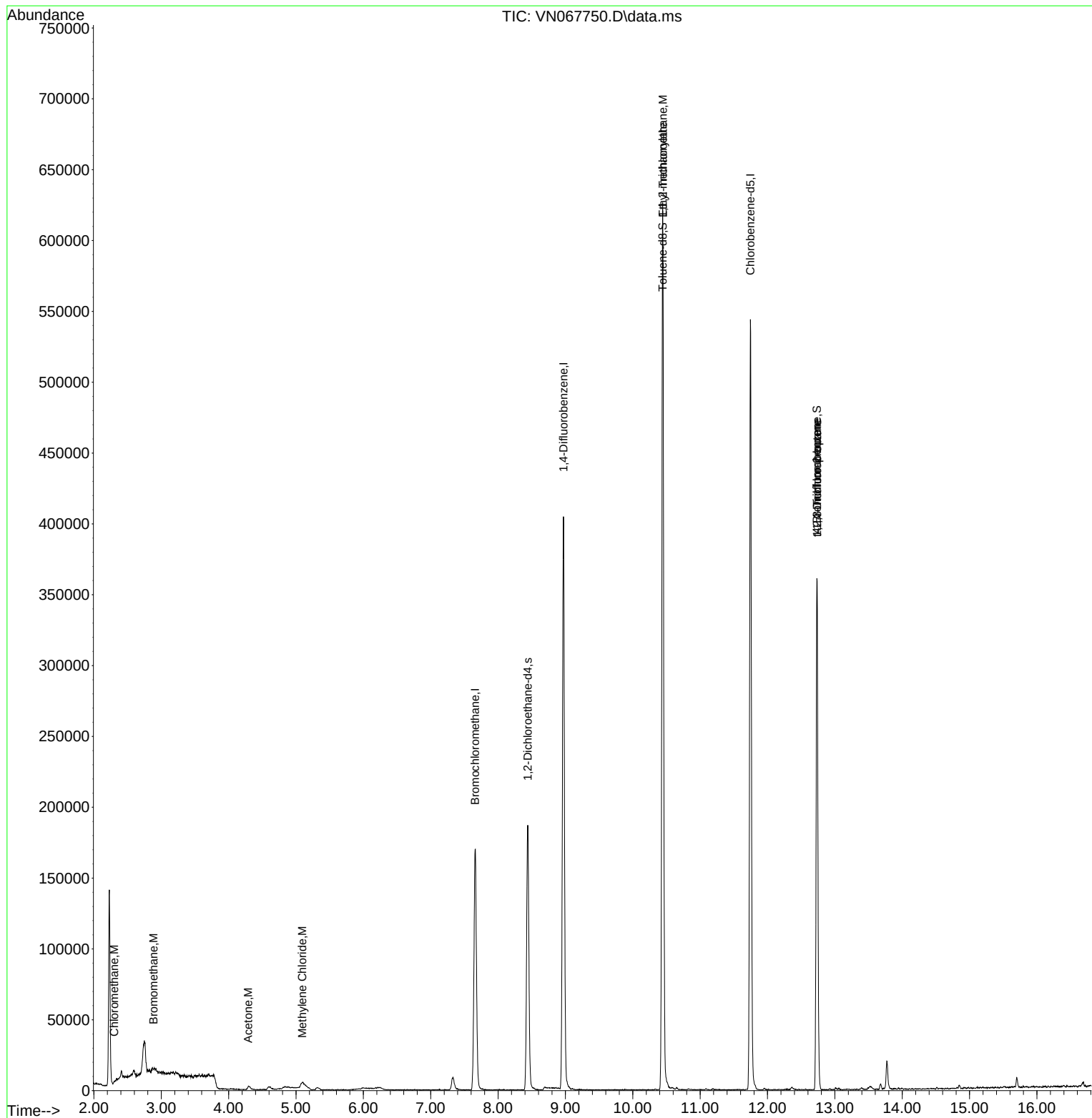
Internal Standards						
1) Bromochloromethane	7.659	128	61016	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	349651	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	310154	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	162026	32.869	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.567%
60) 4-Bromofluorobenzene	12.733	95	126723	25.158	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.867%
63) Toluene-d8	10.443	98	430854	30.203	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.667%
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	1042	0.268	ug/l	91
5) Bromomethane	2.883	94	1677	0.332	ug/l	85
15) Acetone	4.288	58	352	0.799	ug/l #	21
18) Methylene Chloride	5.093	84	1146	0.280	ug/l #	78
50) 1,1,2-Trichloroethane	10.448	97	16009	3.730	ug/l #	1
51) Ethyl methacrylate	10.448	69	1616	0.242	ug/l	84
72) 1,2,3-Trichloropropane	12.736	75	74216	16.030	ug/l	1
77) t-1,4-Dichloro-2-butene	12.736	75	74216	47.500	ug/l #	4

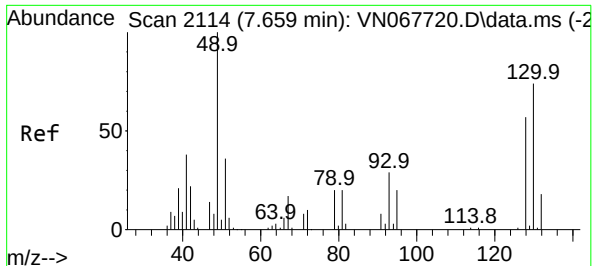
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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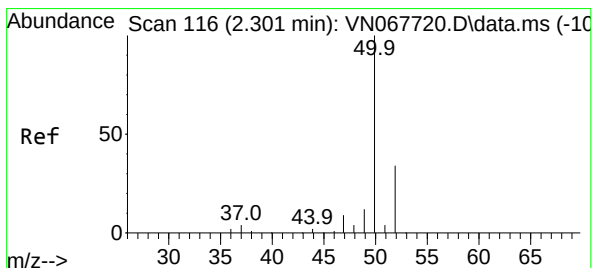
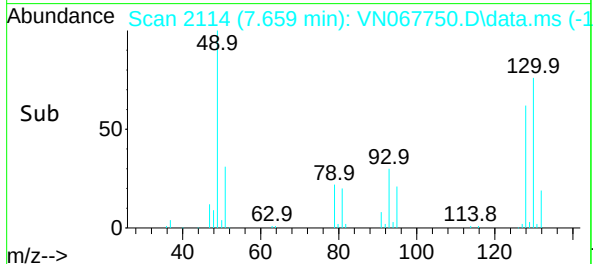
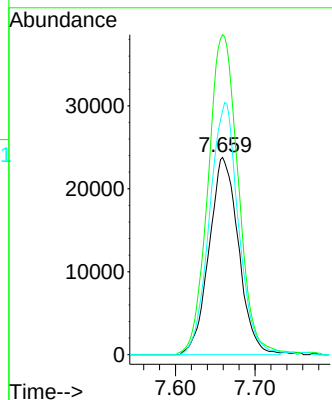
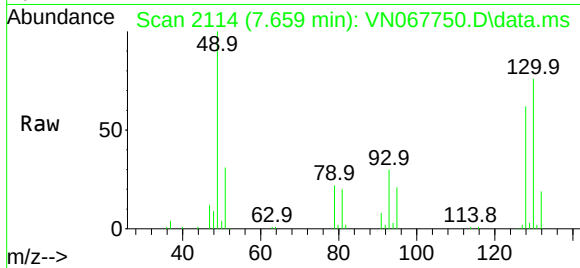




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

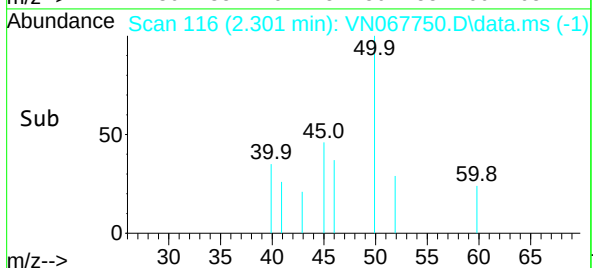
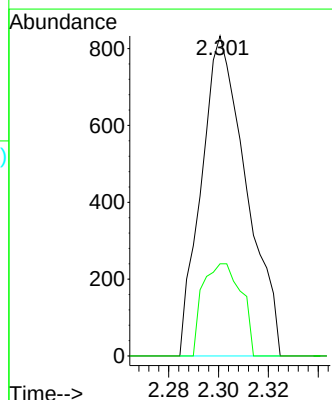
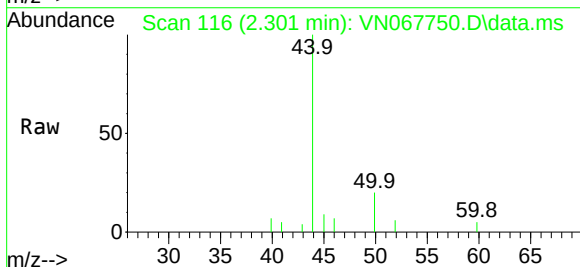
Instrument :
MSVOA_N
ClientSampleId :

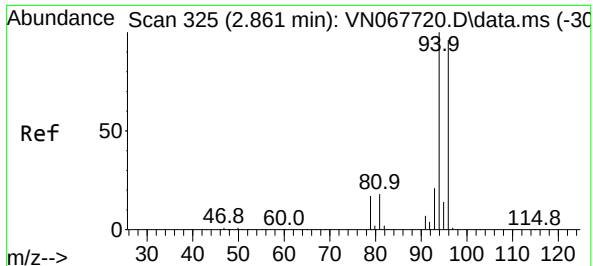
Tgt Ion:128 Resp: 61016
Ion Ratio Lower Upper
128 100
49 166.1 0.0 433.0
130 125.5 0.0 323.8



#3
Chloromethane
Concen: 0.268 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

Tgt Ion: 50 Resp: 1042
Ion Ratio Lower Upper
50 100
52 28.8 27.2 40.8

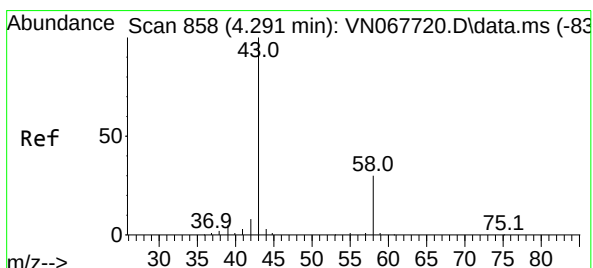
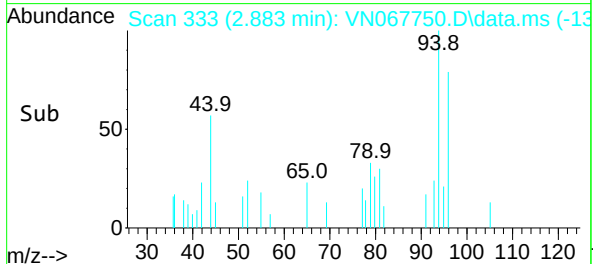
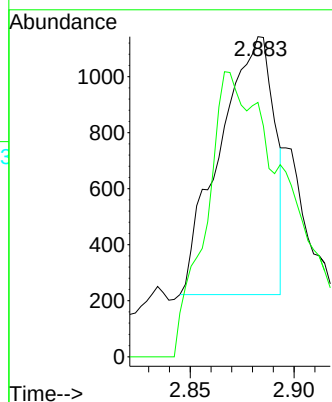
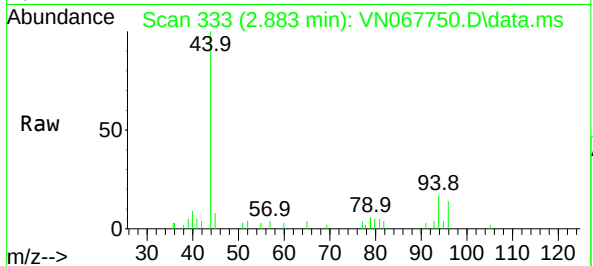




#5
Bromomethane
Concen: 0.332 ug/l
RT: 2.883 min Scan# 333
Delta R.T. 0.021 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

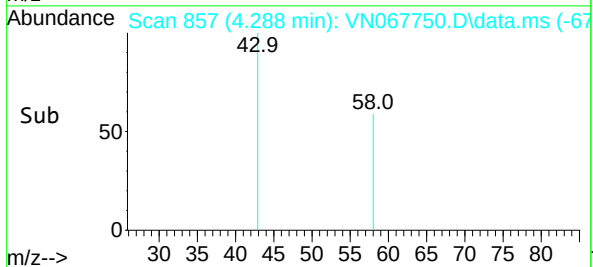
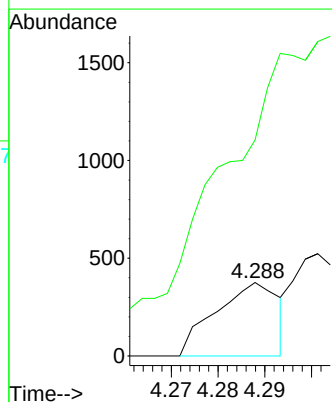
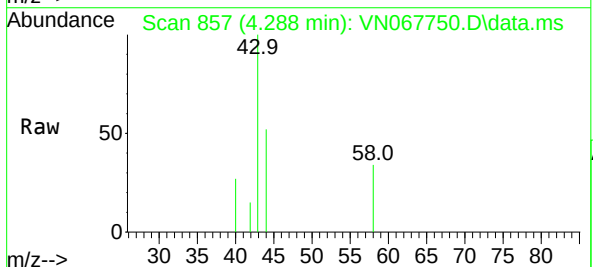
Instrument :
MSVOA_N
ClientSampled :

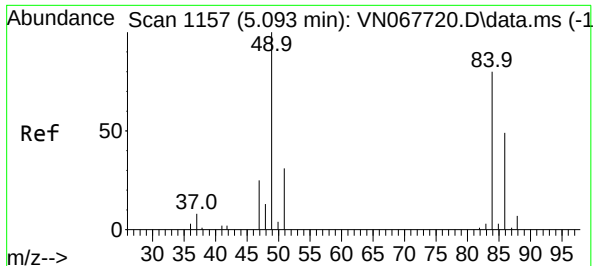
Tgt Ion: 94 Resp: 1677
Ion Ratio Lower Upper
94 100
96 81.7 76.9 115.3



#15
Acetone
Concen: 0.799 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

Tgt Ion: 58 Resp: 352
Ion Ratio Lower Upper
58 100
43 167.8 268.2 402.4#





#18

Methylene Chloride

Concen: 0.280 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.000 min

Lab File: VN067750.D

Acq: 14 Jul 2021 17:57

Tgt Ion: 84 Resp: 1146

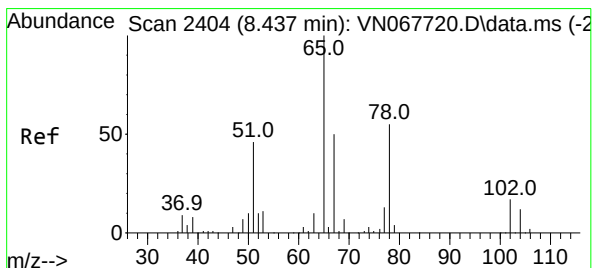
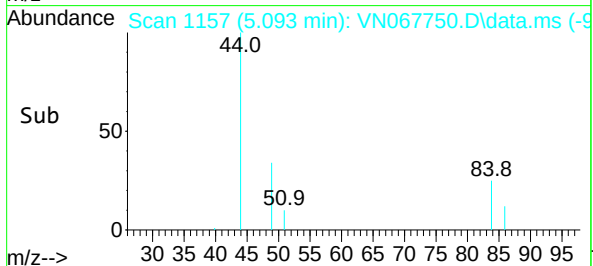
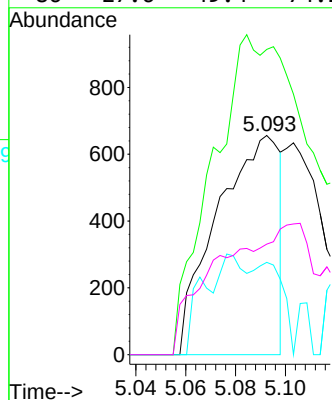
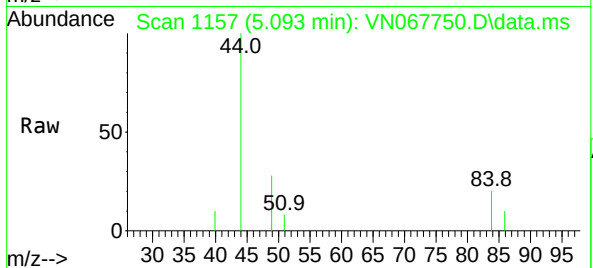
Ion Ratio Lower Upper

84 100

49 107.3 100.5 150.7

51 42.1 30.7 46.1

86 27.6 49.4 74.2#



#27

1,2-Dichloroethane-d4

Concen: 32.869 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN067750.D

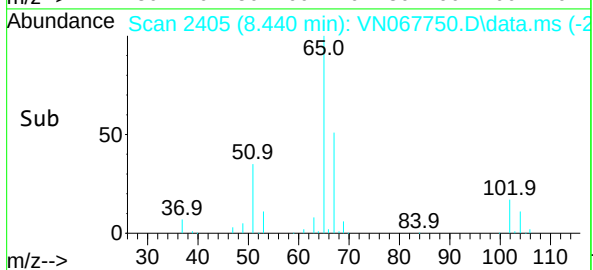
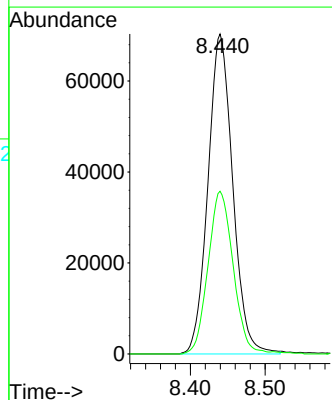
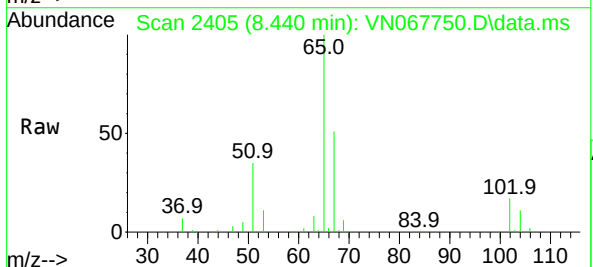
Acq: 14 Jul 2021 17:57

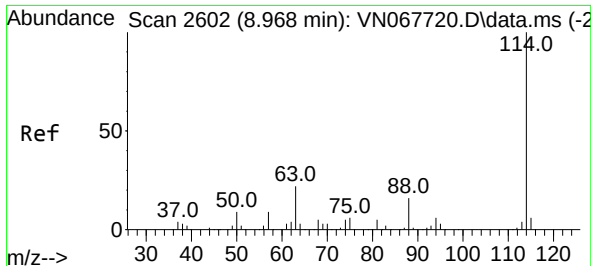
Tgt Ion: 65 Resp: 162026

Ion Ratio Lower Upper

65 100

67 51.3 40.6 60.8

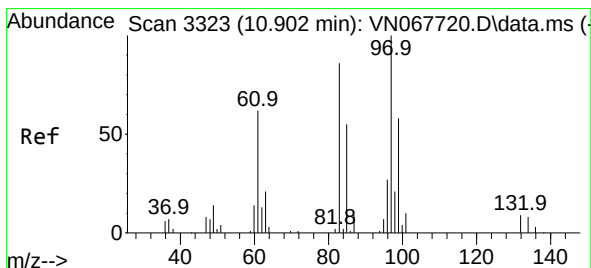
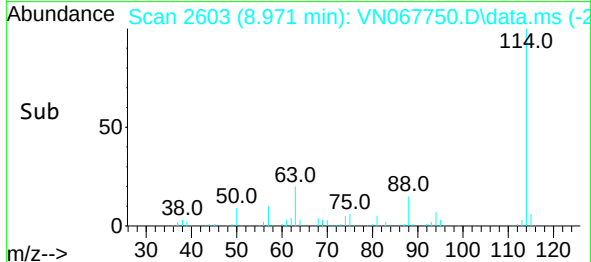
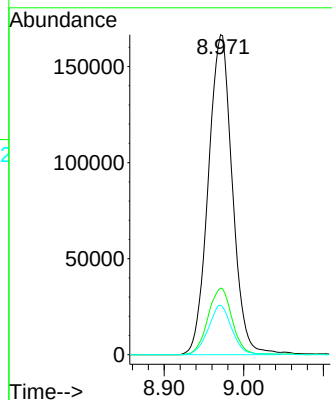
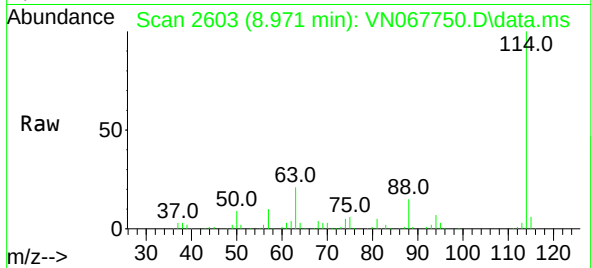




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067750.D
 Acq: 14 Jul 2021 17:57

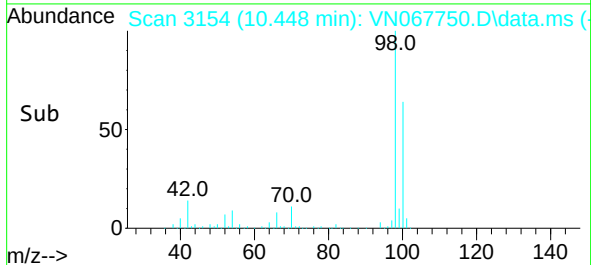
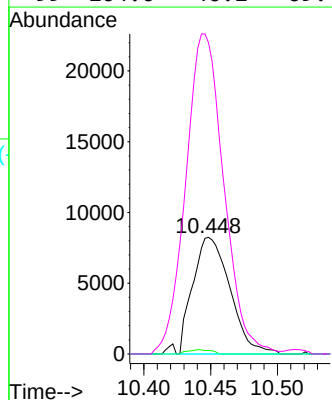
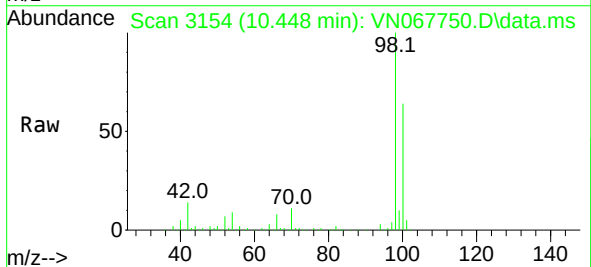
Instrument :
 MSVOA_N
 ClientSampled :

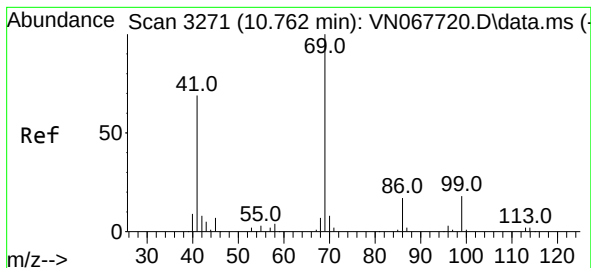
Tgt Ion:114 Resp: 349651
 Ion Ratio Lower Upper
 114 100
 63 20.9 17.2 25.8
 88 15.0 12.4 18.6



#50
 1,1,2-Trichloroethane
 Concen: 3.730 ug/l
 RT: 10.448 min Scan# 3154
 Delta R.T. -0.453 min
 Lab File: VN067750.D
 Acq: 14 Jul 2021 17:57

Tgt Ion: 97 Resp: 16009
 Ion Ratio Lower Upper
 97 100
 83 3.1 69.0 103.4#
 85 0.0 43.8 65.8#
 99 264.6 46.2 69.4#

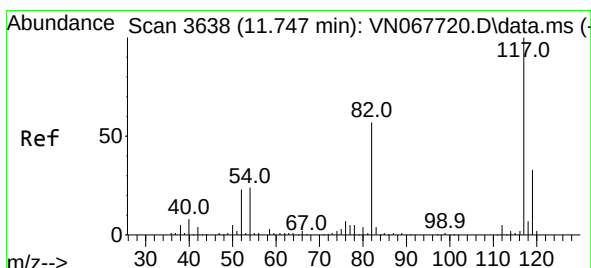
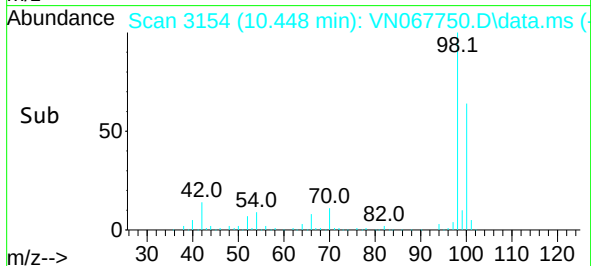
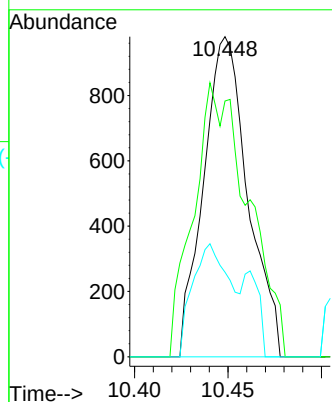
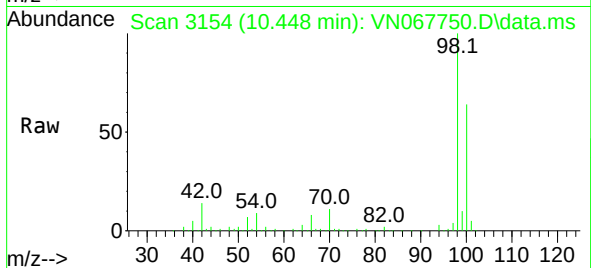




#51
Ethyl methacrylate
Concen: 0.242 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.314 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

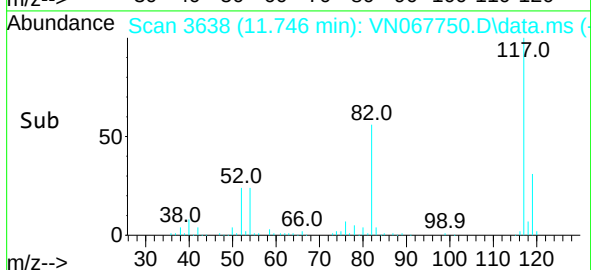
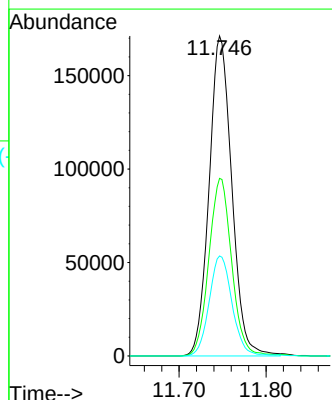
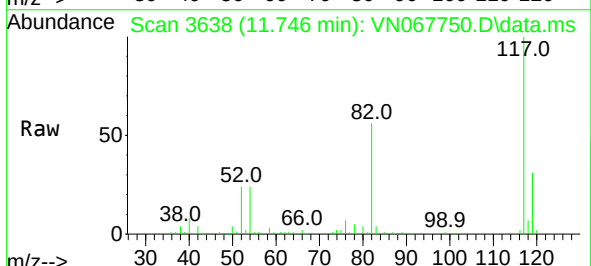
Instrument :
MSVOA_N
ClientSampleId :

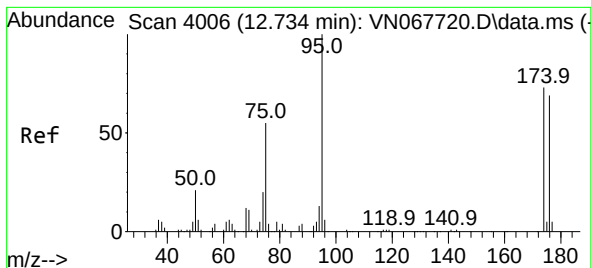
Tgt Ion: 69 Resp: 1616
Ion Ratio Lower Upper
69 100
41 63.7 34.3 102.9
39 26.4 23.7 71.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

Tgt Ion: 117 Resp: 310154
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 31.3 25.7 38.5

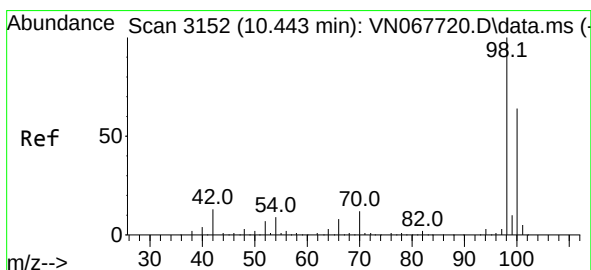
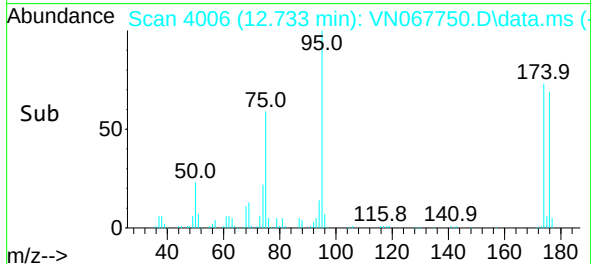
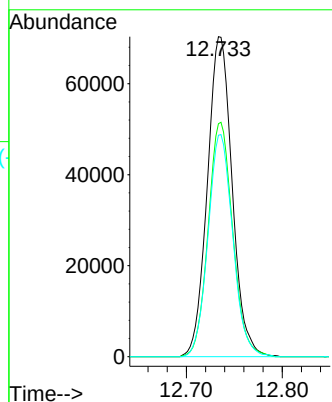
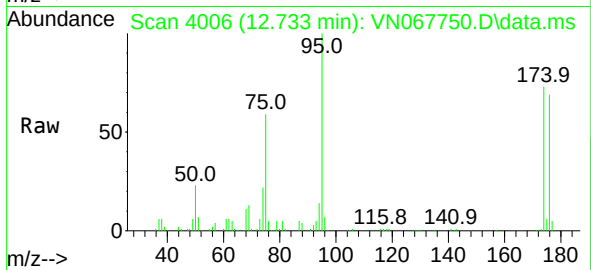




#60
4-Bromofluorobenzene
Concen: 25.158 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

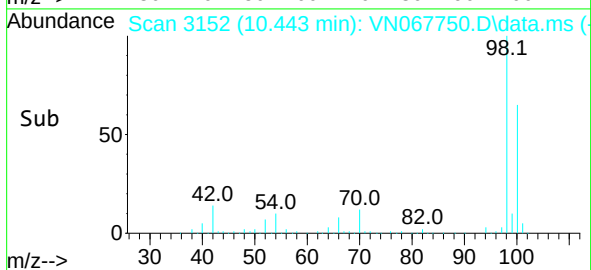
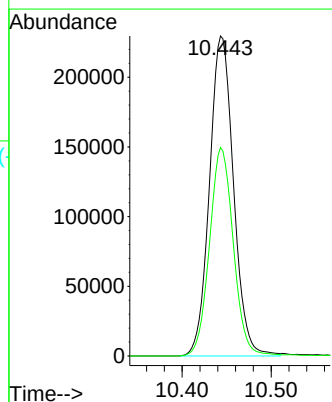
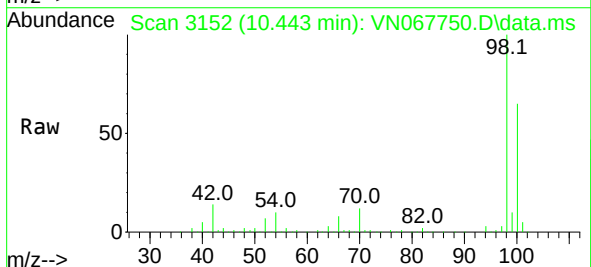
Instrument :
MSVOA_N
ClientSampleId :

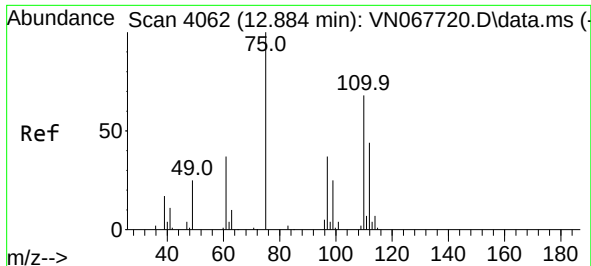
Tgt Ion: 95 Resp: 126723
Ion Ratio Lower Upper
95 100
174 72.5 57.1 85.7
176 69.1 54.6 81.8



#63
Toluene-d8
Concen: 30.203 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

Tgt Ion: 98 Resp: 430854
Ion Ratio Lower Upper
98 100
100 64.4 51.0 76.4

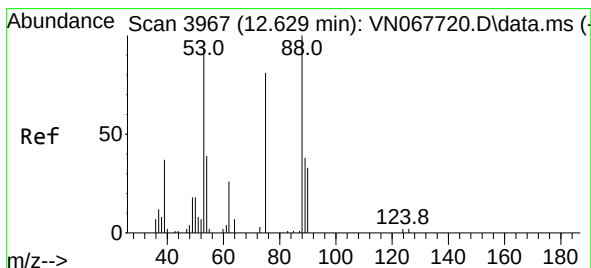
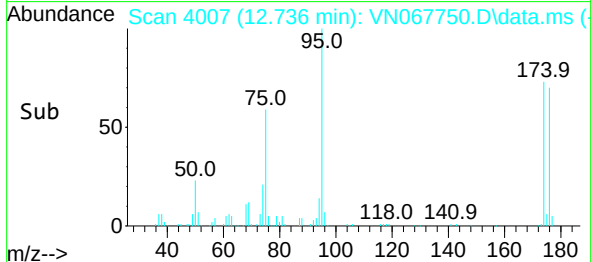
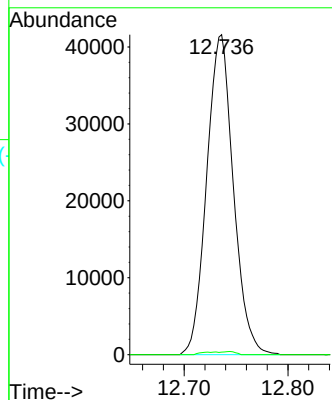
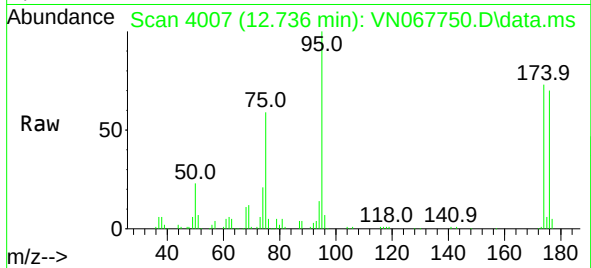




#72
1,2,3-Trichloropropane
Concen: 16.030 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 74216
Ion Ratio Lower Upper
75 100
77 0.2 0.0 365.2



#77
t-1,4-Dichloro-2-butene
Concen: 47.500 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067750.D
Acq: 14 Jul 2021 17:57

Tgt Ion: 75 Resp: 74216
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#

