

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067867.D
 Acq On : 22 Jul 2021 17:27
 Operator : JC/MD
 Sample : M3132-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 07:14:09 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)

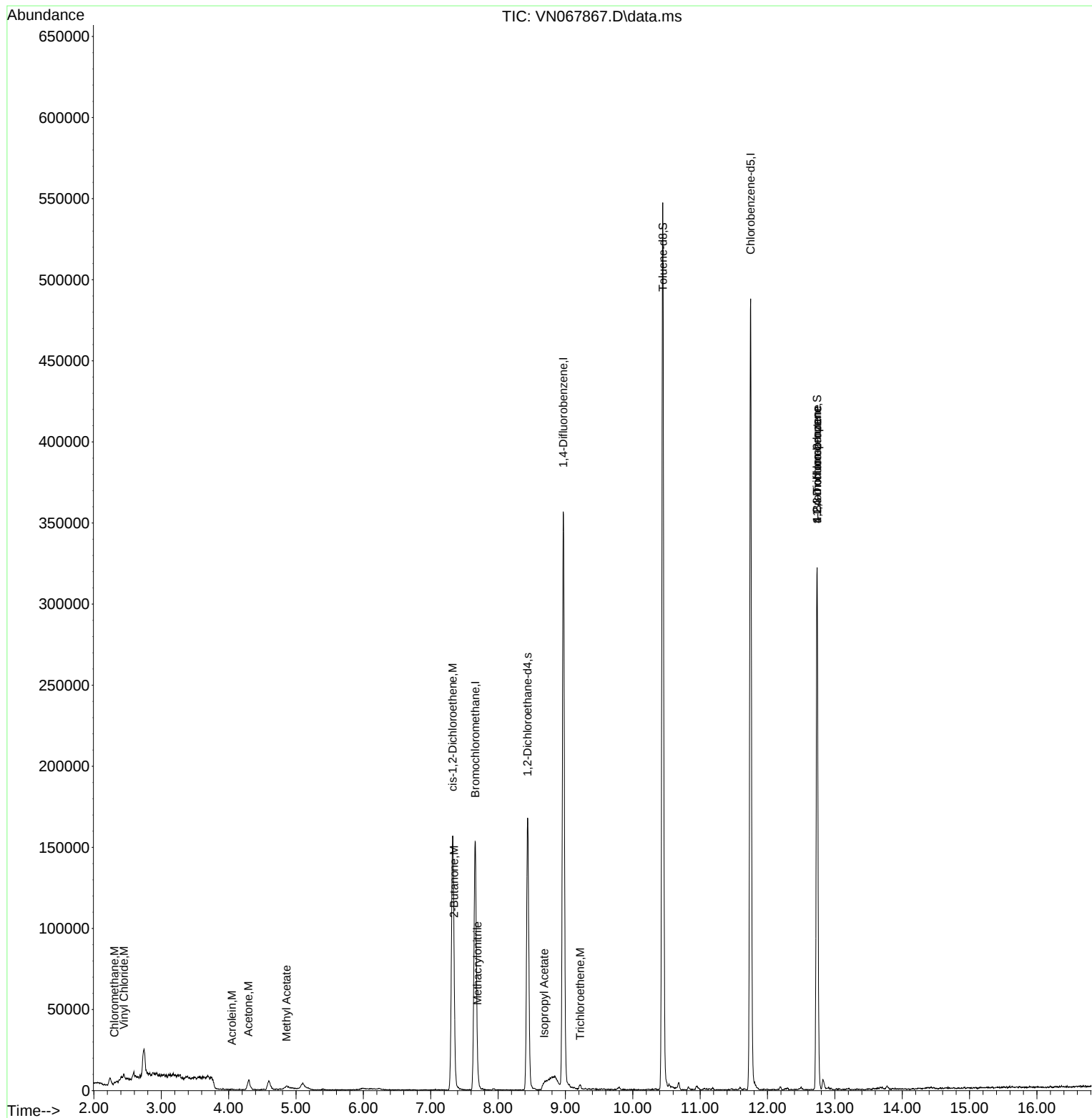
Internal Standards						
1) Bromochloromethane	7.662	128	54957	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	314595	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	278548	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	141977	31.977	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.600%
60) 4-Bromofluorobenzene	12.736	95	115791	25.597	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.333%
63) Toluene-d8	10.446	98	386664	30.180	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	982	0.280	ug/l	92
4) Vinyl Chloride	2.445	62	2653	0.486	ug/l #	75
12) Methyl Acetate	4.859	43	906	0.249	ug/l #	82
13) Acrolein	4.049	56	140	0.367	ug/l #	25
15) Acetone	4.293	58	216	0.545	ug/l #	46
22) cis-1,2-Dichloroethene	7.327	96	93283	23.782	ug/l	88
30) 2-Butanone	7.348	43	517	0.226	ug/l #	54
35) Methacrylonitrile	7.694	41	485	0.206	ug/l #	25
37) Trichloroethene	9.220	130	1080	0.282	ug/l #	79
44) Isopropyl Acetate	8.684	43	3191	0.380	ug/l #	57
72) 1,2,3-Trichloropropane	12.736	75	65704	15.802	ug/l	1
77) t-1,4-Dichloro-2-butene	12.736	75	65704	46.823	ug/l #	4

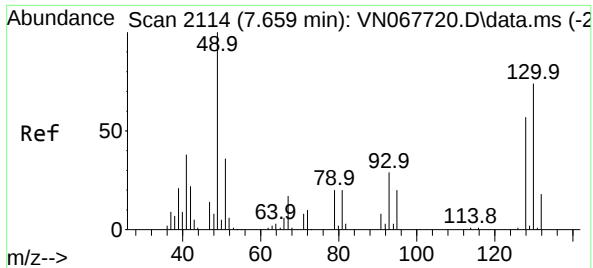
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
Data File : VN067867.D
Acq On : 22 Jul 2021 17:27
Operator : JC/MD
Sample : M3132-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 24 07:14:09 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

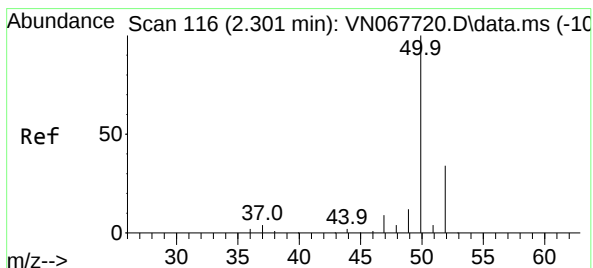
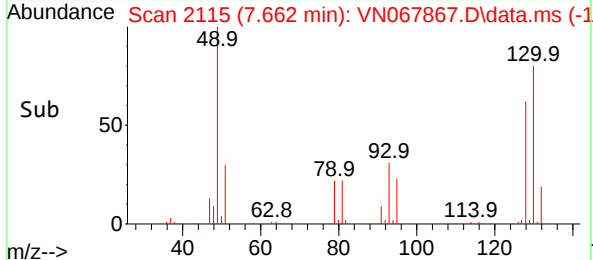
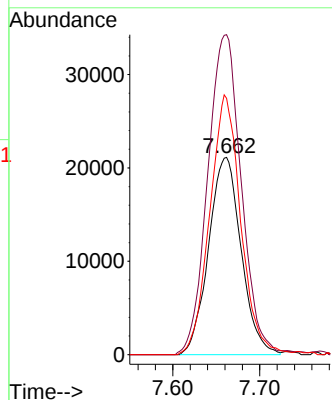
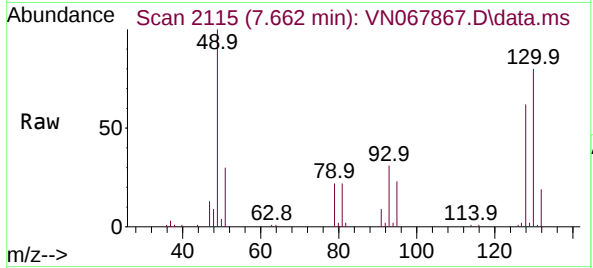




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

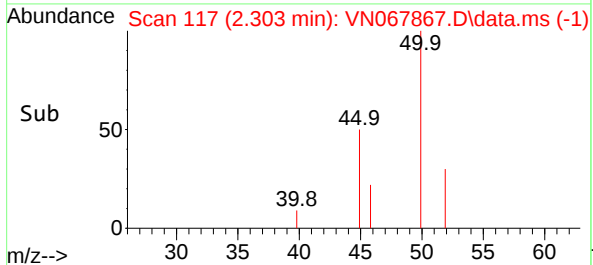
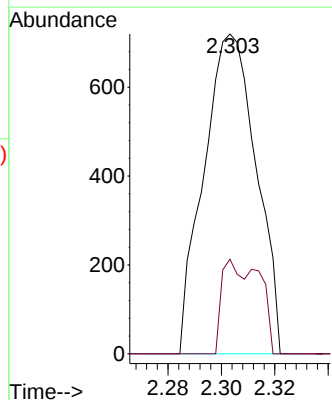
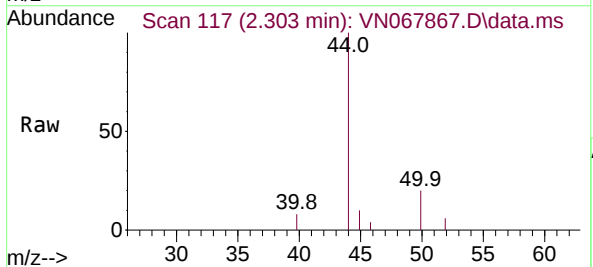
Instrument :
MSVOA_N
ClientSampled :

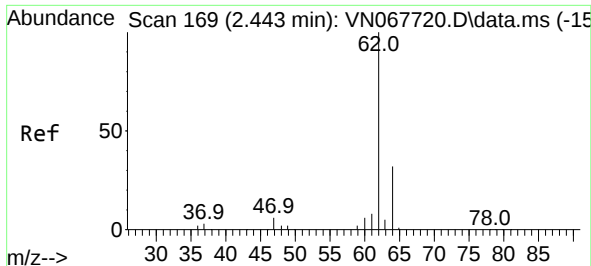
Tgt Ion:128 Resp: 54957
Ion Ratio Lower Upper
128 100
49 166.8 0.0 433.0
130 125.4 0.0 323.8



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

Tgt Ion: 50 Resp: 982
Ion Ratio Lower Upper
50 100
52 29.6 27.2 40.8

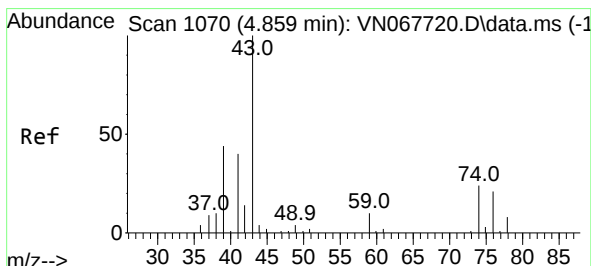
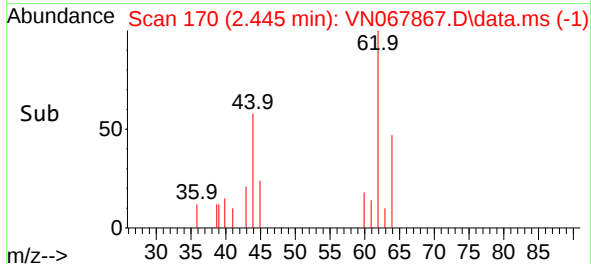
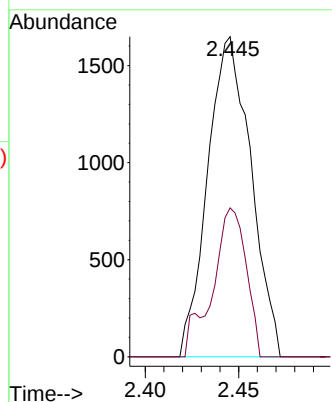
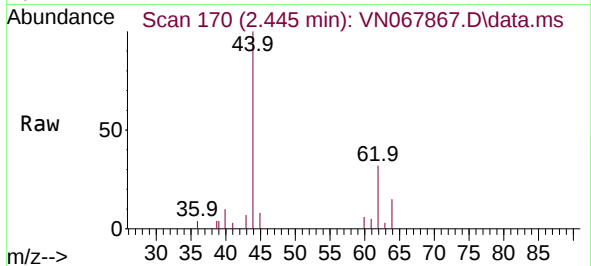




#4
 Vinyl Chloride
 Concen: 0.486 ug/l
 RT: 2.445 min Scan# 170
 Delta R.T. 0.002 min
 Lab File: VN067867.D
 Acq: 22 Jul 2021 17:27

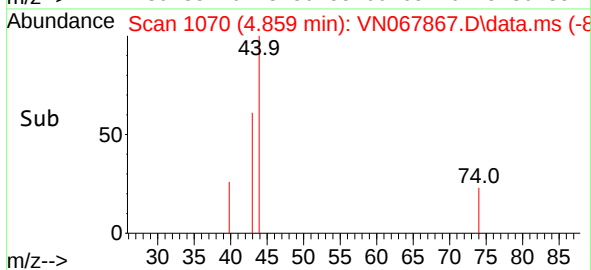
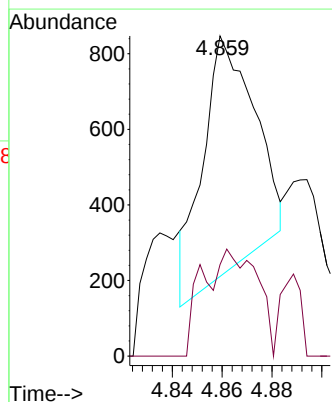
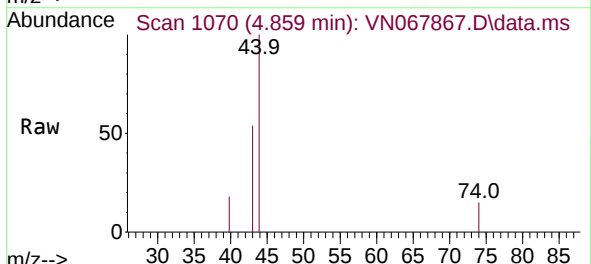
Instrument :
 MSVOA_N
 ClientSampled :

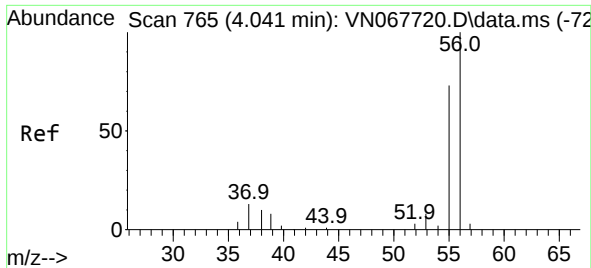
Tgt Ion: 62 Resp: 2653
 Ion Ratio Lower Upper
 62 100
 64 46.5 25.9 38.9#



#12
 Methyl Acetate
 Concen: 0.249 ug/l
 RT: 4.859 min Scan# 1070
 Delta R.T. -0.000 min
 Lab File: VN067867.D
 Acq: 22 Jul 2021 17:27

Tgt Ion: 43 Resp: 906
 Ion Ratio Lower Upper
 43 100
 74 33.6 19.8 29.6#

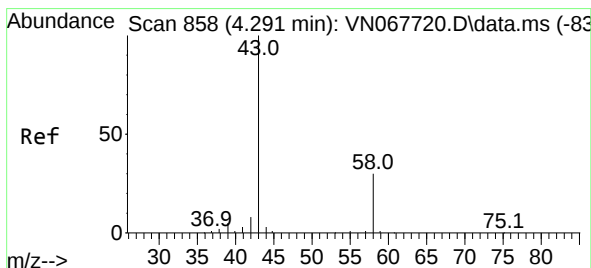
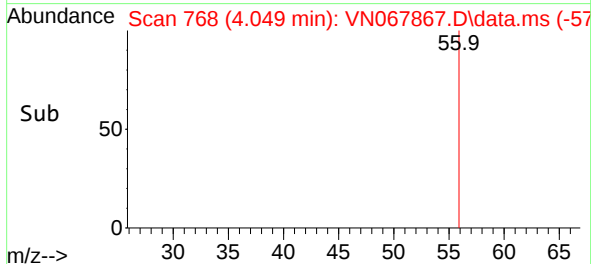
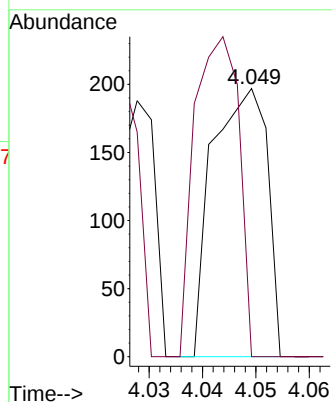
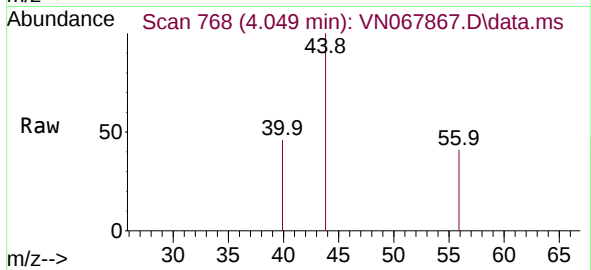




#13
Acrolein
Concen: 0.367 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

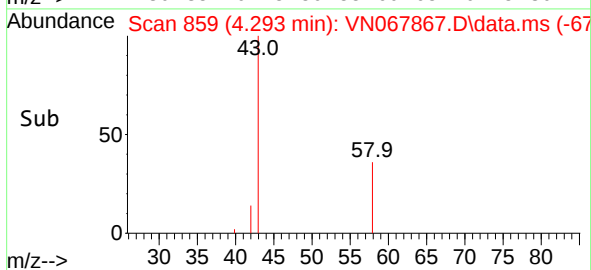
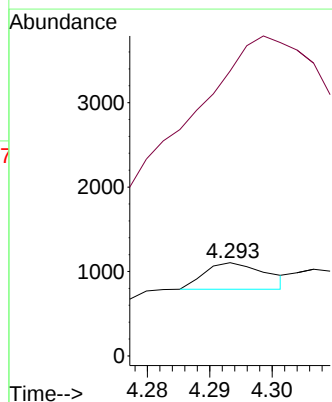
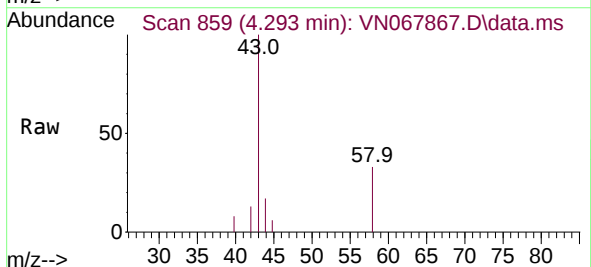
Instrument :
MSVOA_N
ClientSampled :

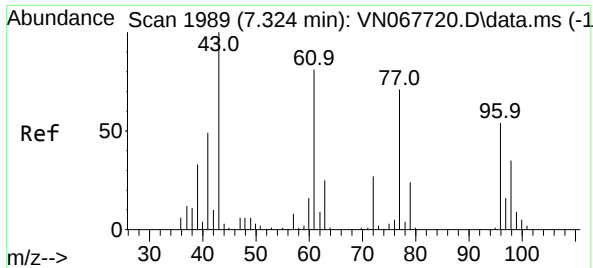
Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 96.4 0.2 0.2#



#15
Acetone
Concen: 0.545 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

Tgt Ion: 58 Resp: 216
Ion Ratio Lower Upper
58 100
43 220.3 268.2 402.4#

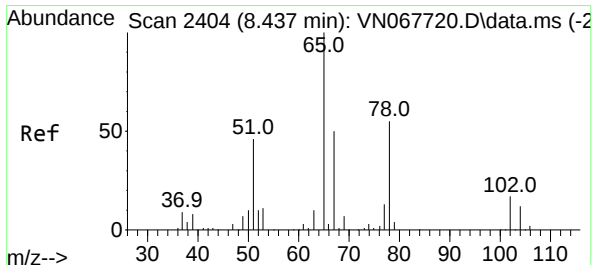
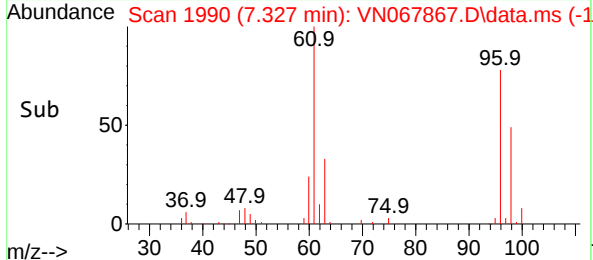
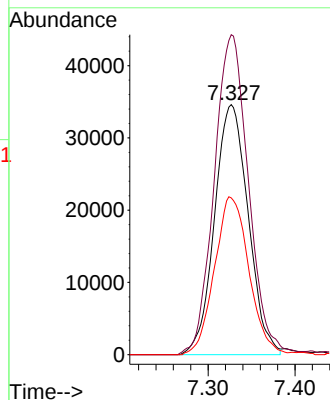
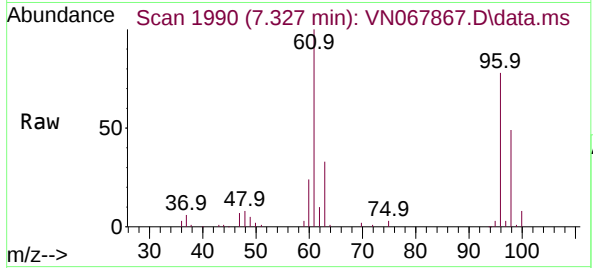




#22
 cis-1,2-Dichloroethene
 Concen: 23.782 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. 0.002 min
 Lab File: VN067867.D
 Acq: 22 Jul 2021 17:27

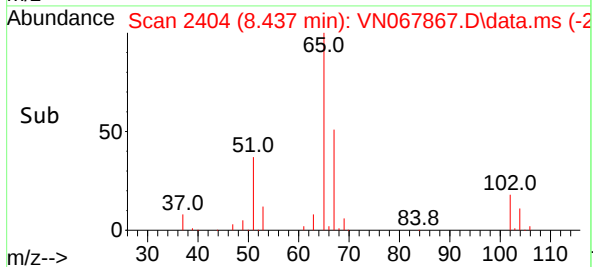
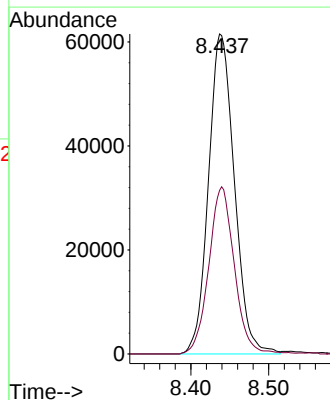
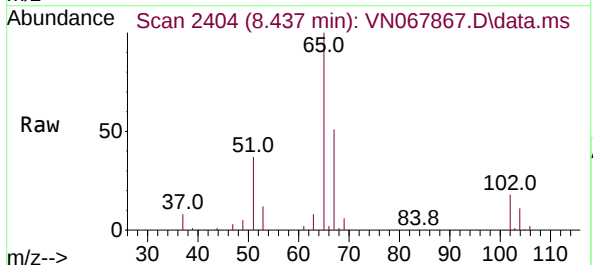
Instrument :
 MSVOA_N
 ClientSampled :

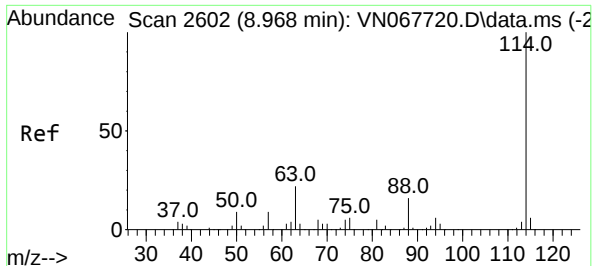
Tgt Ion: 96 Resp: 93283
 Ion Ratio Lower Upper
 96 100
 61 130.0 121.2 181.8
 98 64.3 51.8 77.8



#27
 1,2-Dichloroethane-d4
 Concen: 31.977 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. -0.000 min
 Lab File: VN067867.D
 Acq: 22 Jul 2021 17:27

Tgt Ion: 65 Resp: 141977
 Ion Ratio Lower Upper
 65 100
 67 51.4 40.6 60.8

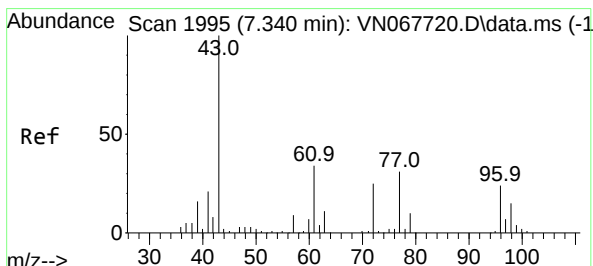
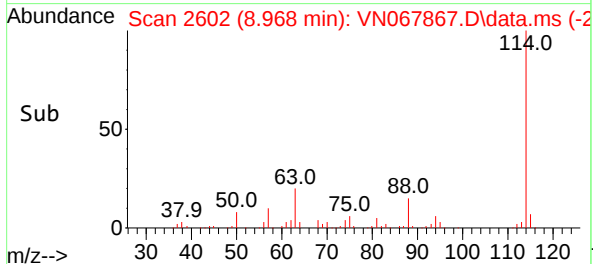
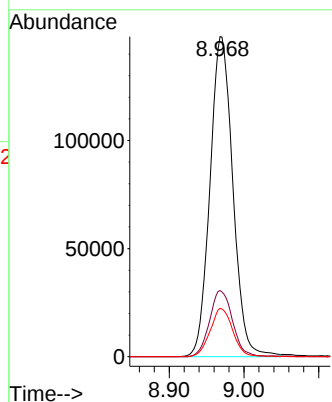
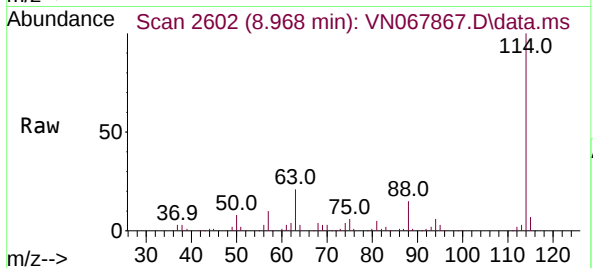




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN067867.D
 Acq: 22 Jul 2021 17:27

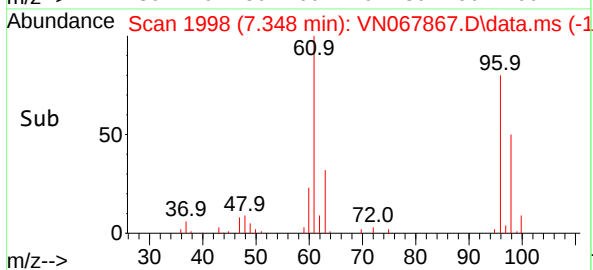
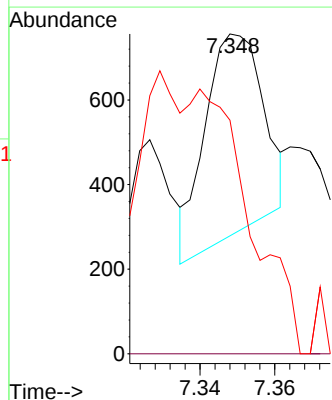
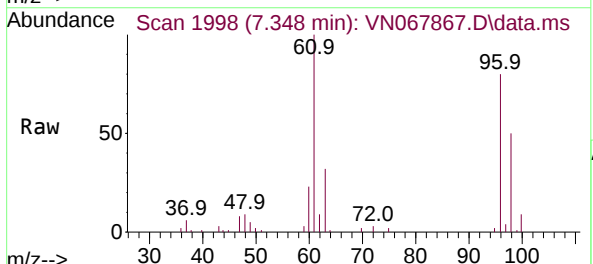
Instrument :
 MSVOA_N
 ClientSampleId :

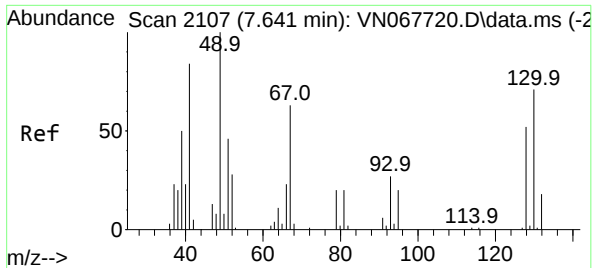
Tgt Ion:	114	Resp:	314595
Ion	Ratio	Lower	Upper
114	100		
63	20.7	17.2	25.8
88	14.8	12.4	18.6



#30
 2-Butanone
 Concen: 0.226 ug/l
 RT: 7.348 min Scan# 1998
 Delta R.T. 0.008 min
 Lab File: VN067867.D
 Acq: 22 Jul 2021 17:27

Tgt Ion:	43	Resp:	517
Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.6	9.8#
72	0.0	21.8	32.6#

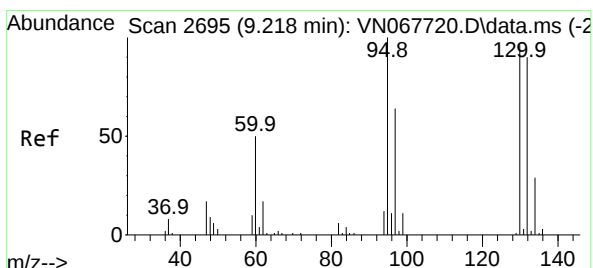
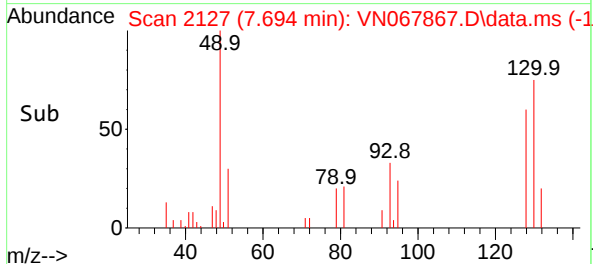
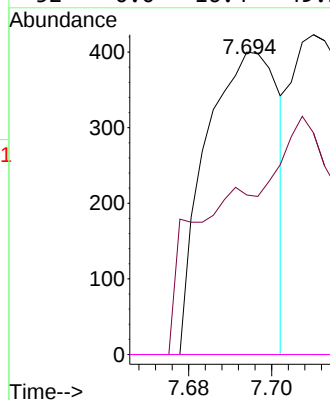
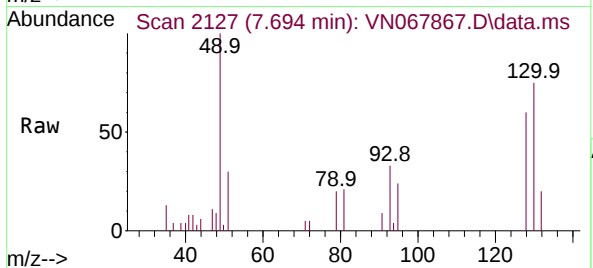




#35
Methacrylonitrile
Concen: 0.206 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.053 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

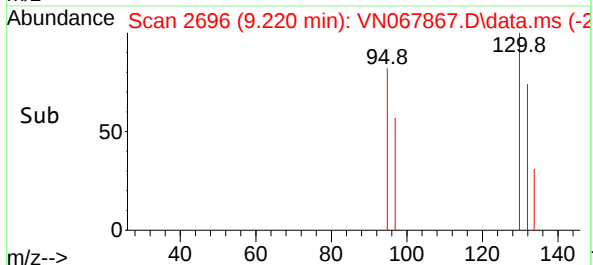
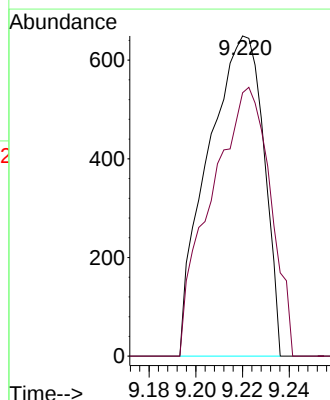
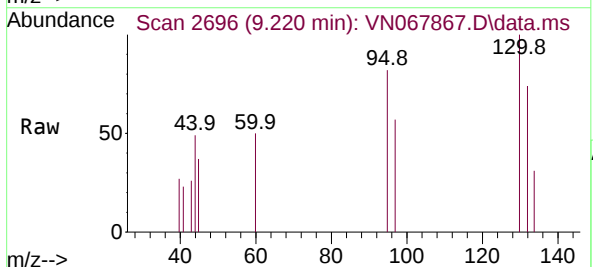
Instrument :
MSVOA_N
ClientSampled :

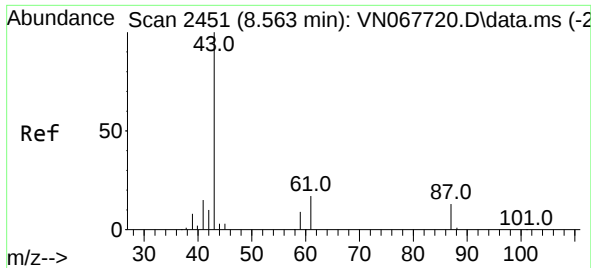
Tgt Ion:	41	Resp:	485
Ion	Ratio	Lower	Upper
41	100		
39	8.0	29.6	88.9#
67	0.0	37.4	112.2#
52	0.0	16.4	49.2#



#37
Trichloroethene
Concen: 0.282 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.002 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

Tgt Ion:	130	Resp:	1080
Ion	Ratio	Lower	Upper
130	100		
95	82.3	83.2	124.8#

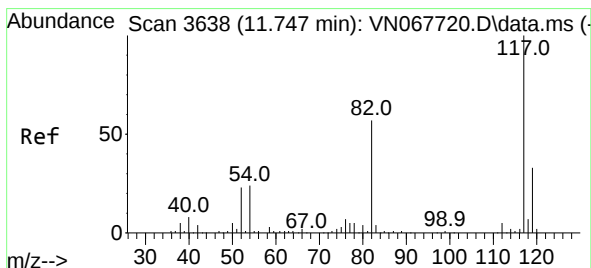
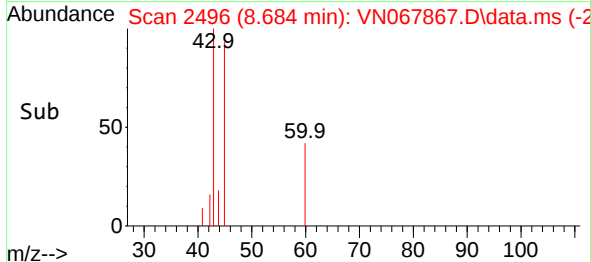
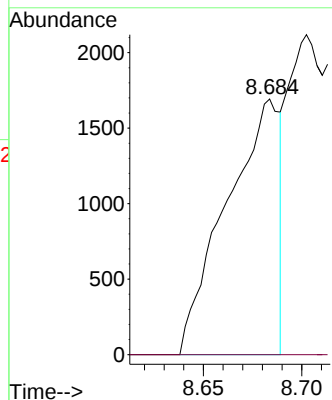
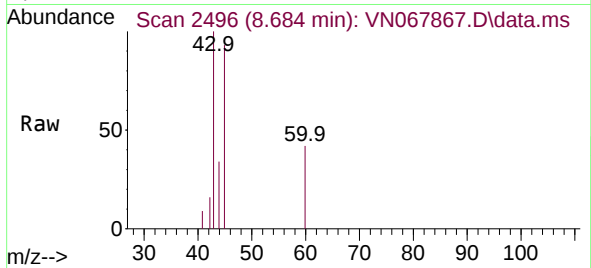




#44
Isopropyl Acetate
Concen: 0.380 ug/l
RT: 8.684 min Scan# 2496
Delta R.T. 0.120 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

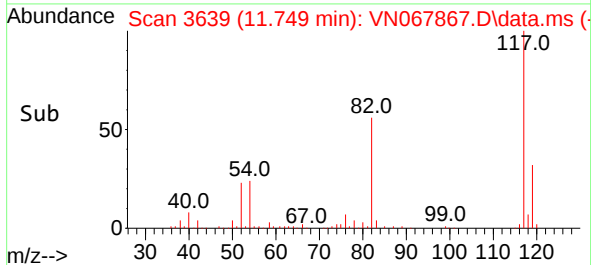
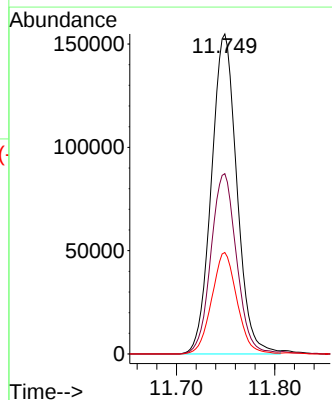
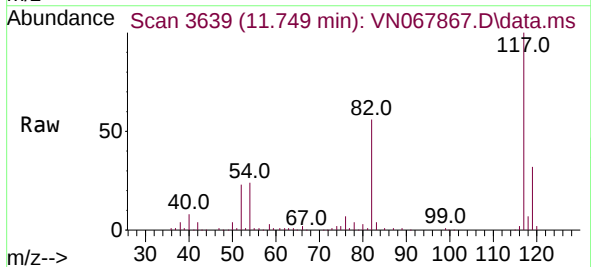
Instrument :
MSVOA_N
ClientSampled :

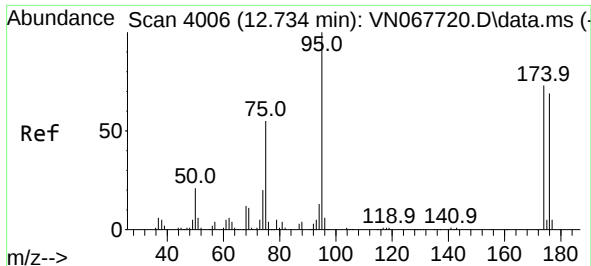
Tgt Ion: 43 Resp: 3191
Ion Ratio Lower Upper
43 100
61 3.8 20.4 30.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

Tgt Ion: 117 Resp: 278548
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.0
119 31.5 25.7 38.5

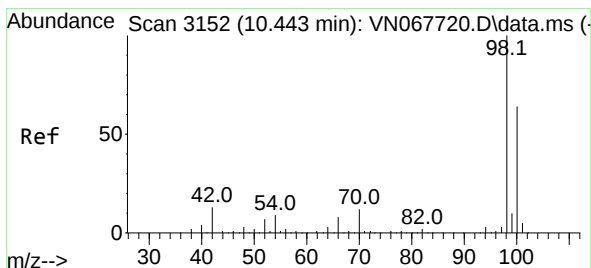
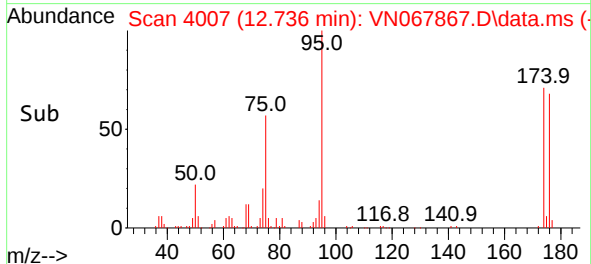
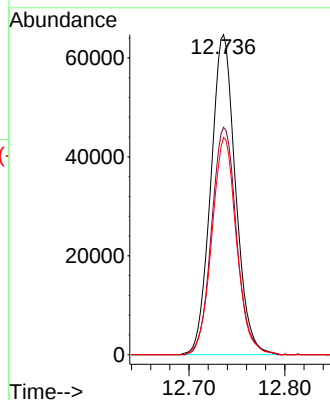
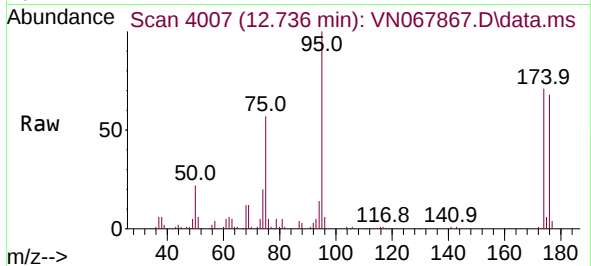




#60
4-Bromofluorobenzene
Concen: 25.597 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

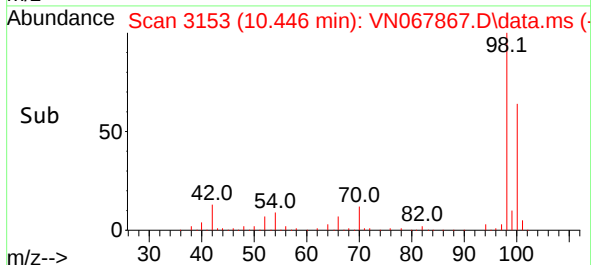
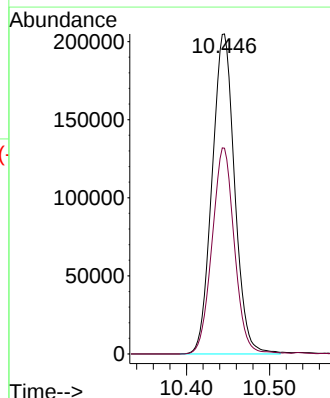
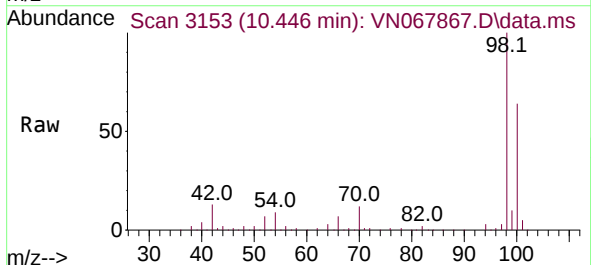
Instrument :
MSVOA_N
ClientSampleId :

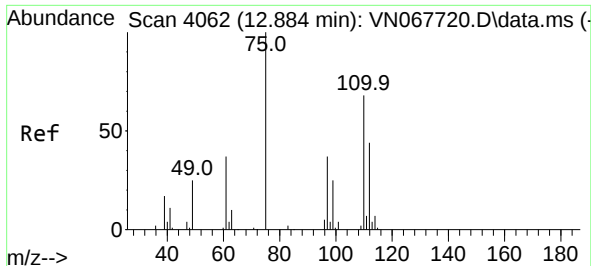
Tgt Ion: 95 Resp: 115791
Ion Ratio Lower Upper
95 100
174 71.8 57.1 85.7
176 67.8 54.6 81.8



#63
Toluene-d8
Concen: 30.180 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.002 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

Tgt Ion: 98 Resp: 386664
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.4

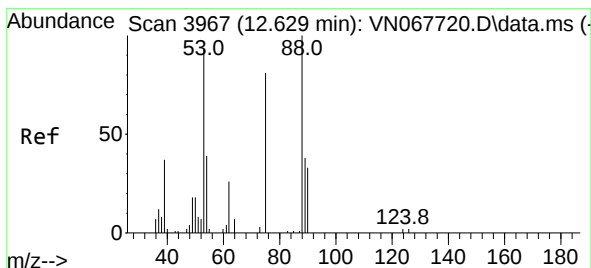
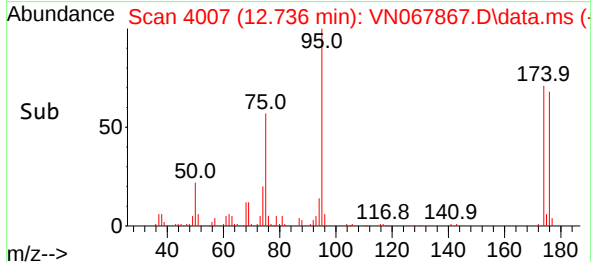
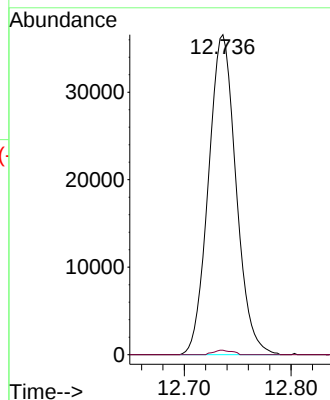
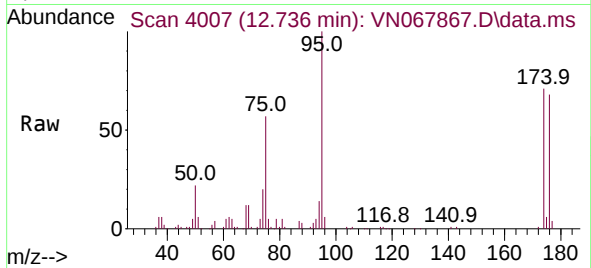




#72
1,2,3-Trichloropropane
Concen: 15.802 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 65704
Ion Ratio Lower Upper
75 100
77 0.9 0.0 365.2



#77
t-1,4-Dichloro-2-butene
Concen: 46.823 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067867.D
Acq: 22 Jul 2021 17:27

Tgt Ion: 75 Resp: 65704
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#

