

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068727.D
 Acq On : 28 Sep 2021 18:48
 Operator : JC/MD
 Sample : VN0928WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBL01

Quant Time: Sep 29 05:17:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 05:13:39 2021
 Response via : Initial Calibration

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

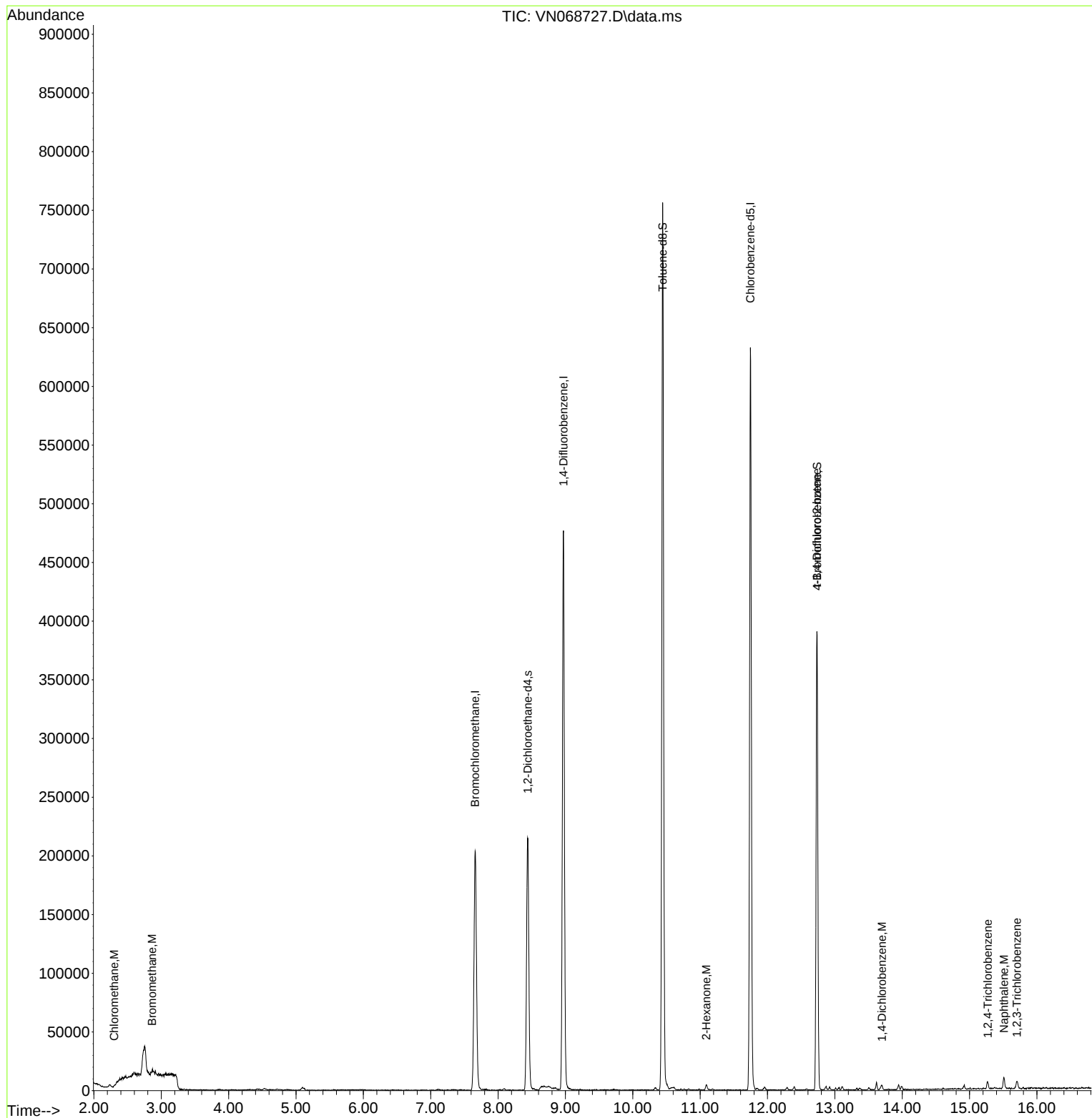
Internal Standards						
1) Bromochloromethane	7.659	128	73706	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	413066	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	365782	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	179980	31.679	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.600%
60) 4-Bromofluorobenzene	12.736	95	130460	22.831	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.100%
63) Toluene-d8	10.443	98	516563	31.244	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.133%
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	1007	0.241	ug/l	100
5) Bromomethane	2.864	94	1694	0.241	ug/l	88
59) 2-Hexanone	11.092	43	3379	0.751	ug/l #	71
77) t-1,4-Dichloro-2-butene	12.734	75	75221	34.010	ug/l #	9
84) 1,4-Dichlorobenzene	13.699	146	2047	0.206	ug/l #	73
89) 1,2,4-Trichlorobenzene	15.271	180	2163	0.457	ug/l #	96
91) Naphthalene	15.509	128	8877	0.664	ug/l #	84
92) 1,2,3-Trichlorobenzene	15.703	180	2617	0.576	ug/l	82

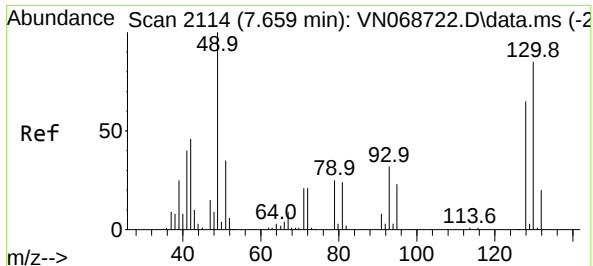
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

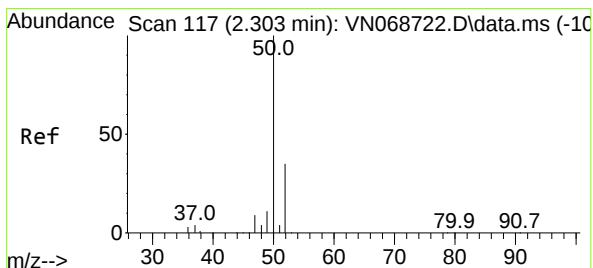
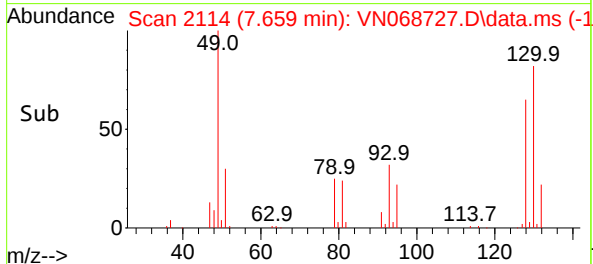
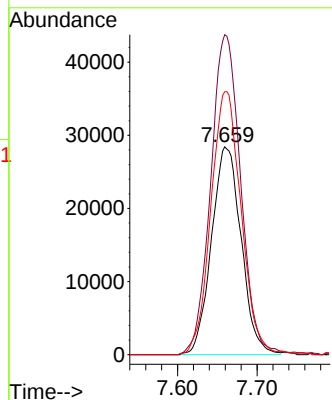
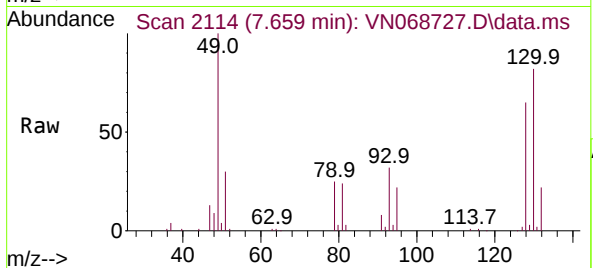




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

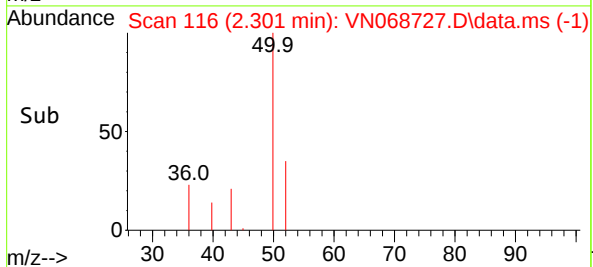
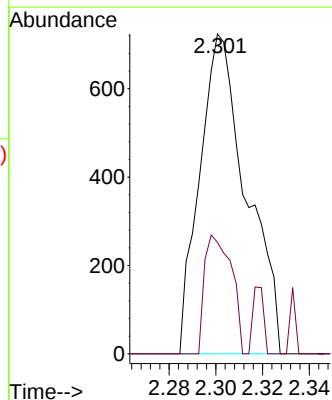
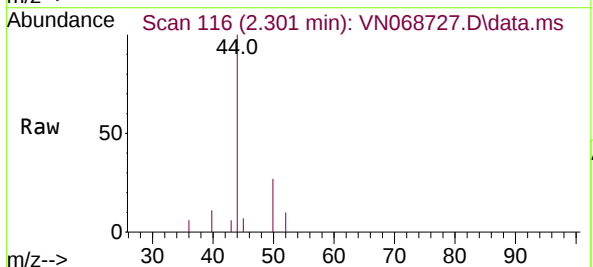
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBL01

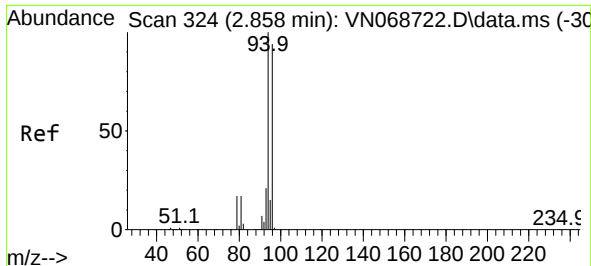
Tgt Ion:128 Resp: 73706
Ion Ratio Lower Upper
128 100
49 155.1 0.0 392.3
130 128.8 0.0 320.2



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

Tgt Ion: 50 Resp: 1007
Ion Ratio Lower Upper
50 100
52 34.8 27.8 41.6

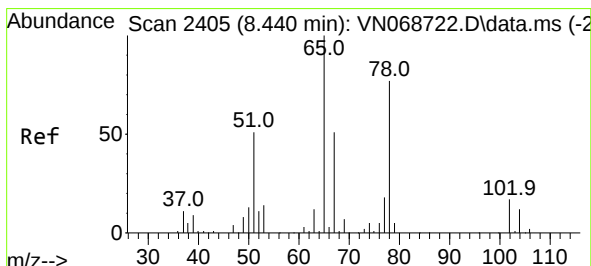
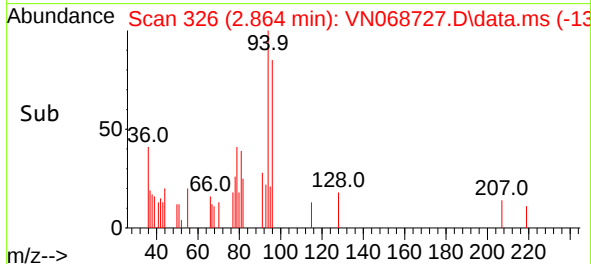
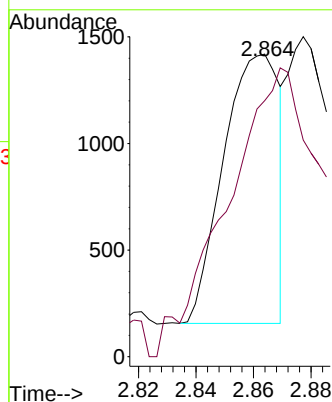
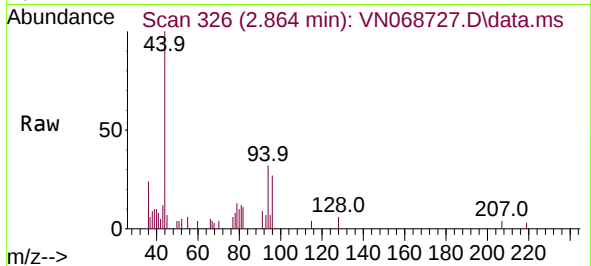




#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.864 min Scan# 326
Delta R.T. 0.006 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

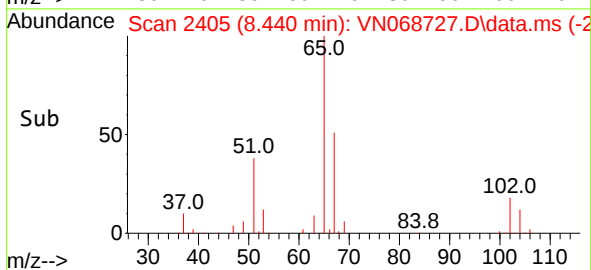
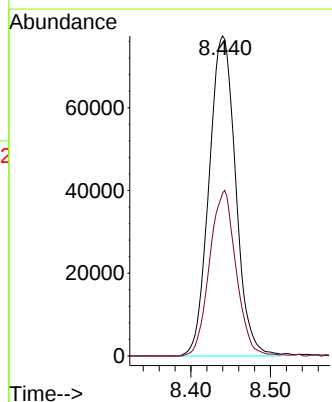
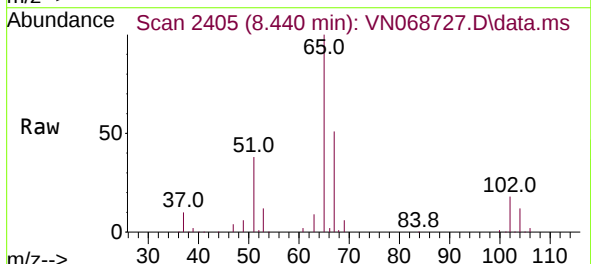
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBL01

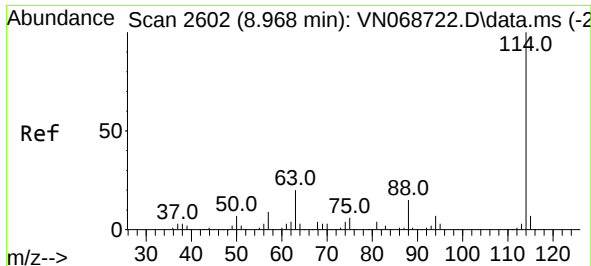
Tgt Ion: 94 Resp: 1694
Ion Ratio Lower Upper
94 100
96 82.6 75.2 112.8



#27
1,2-Dichloroethane-d4
Concen: 31.679 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

Tgt Ion: 65 Resp: 179980
Ion Ratio Lower Upper
65 100
67 51.3 40.2 60.2

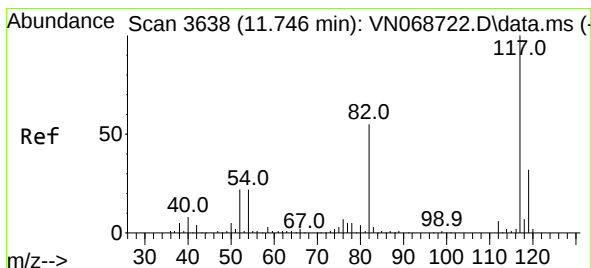
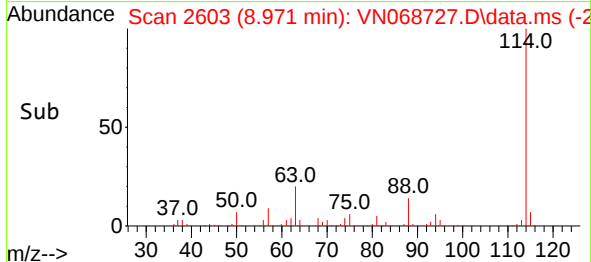
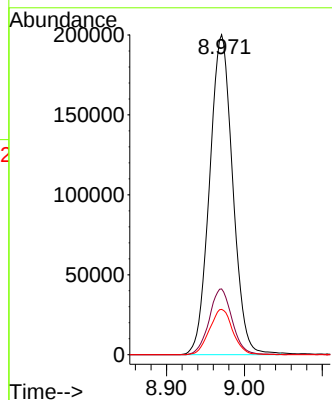
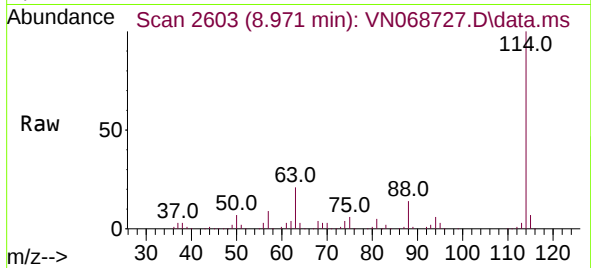




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068727.D
 Acq: 28 Sep 2021 18:48

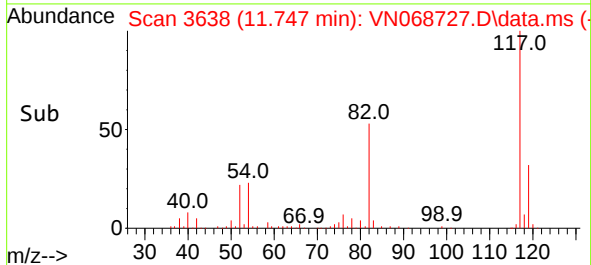
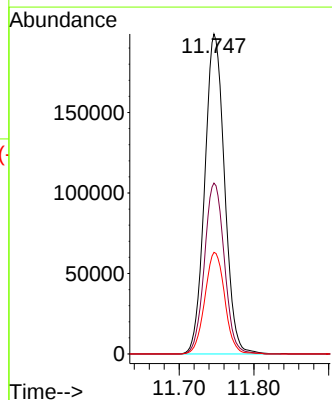
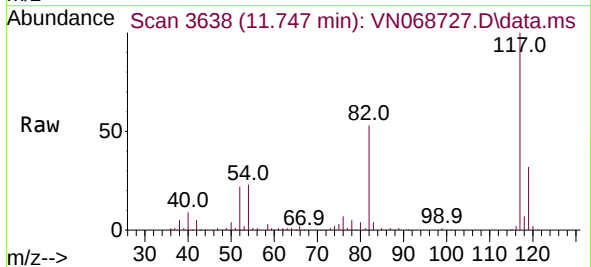
Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBL01

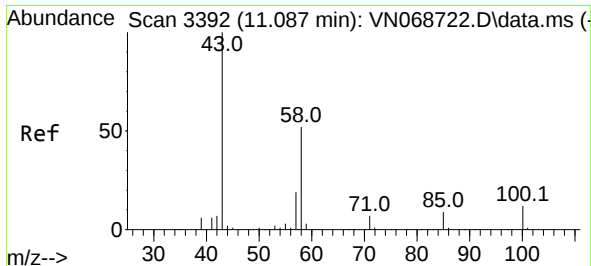
Tgt Ion:	114	Resp:	413066
Ion Ratio	Lower	Upper	
114	100		
63	20.4	15.8	23.6
88	14.2	11.6	17.4



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.747 min Scan# 3638
 Delta R.T. 0.001 min
 Lab File: VN068727.D
 Acq: 28 Sep 2021 18:48

Tgt Ion:	117	Resp:	365782
Ion Ratio	Lower	Upper	
117	100		
82	53.8	43.6	65.4
119	32.0	25.8	38.6

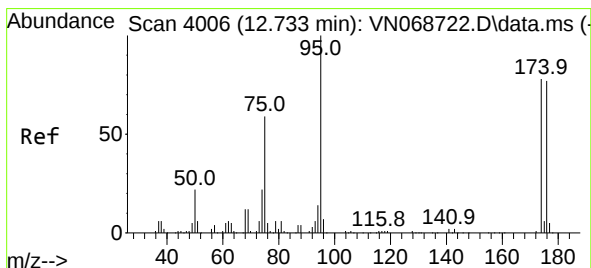
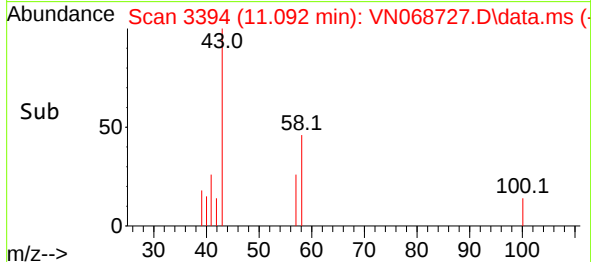
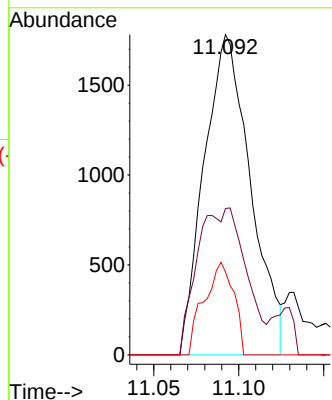
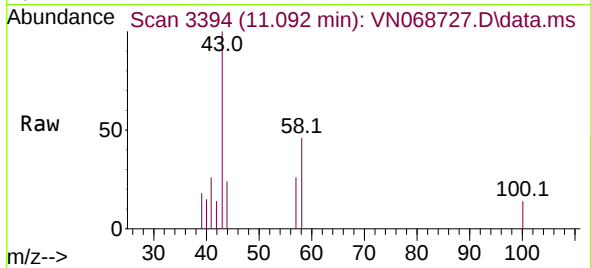




#59
2-Hexanone
Concen: 0.751 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

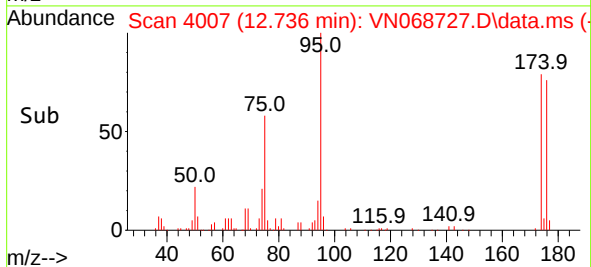
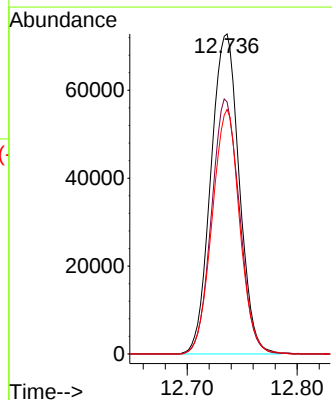
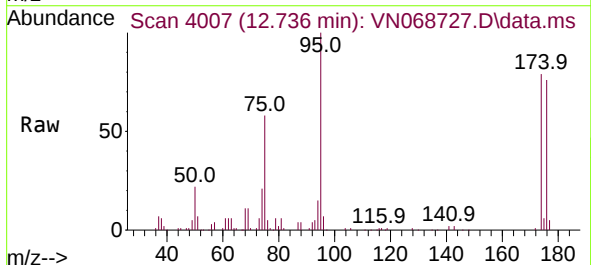
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBL01

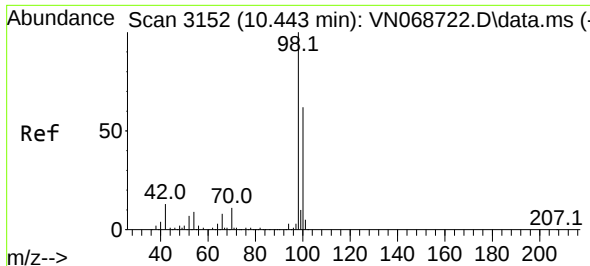
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
58 25.2 42.2 63.2#
57 18.3 15.0 22.4



#60
4-Bromofluorobenzene
Concen: 22.831 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

Tgt Ion: 95 Resp: 130460
Ion Ratio Lower Upper
95 100
174 78.3 62.9 94.3
176 74.4 61.0 91.4

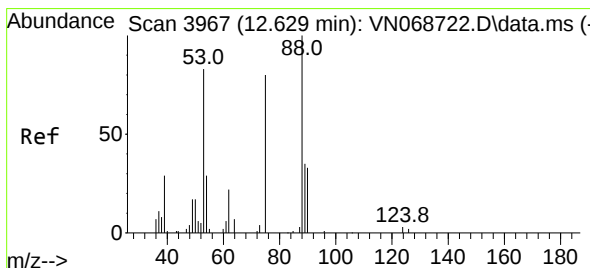
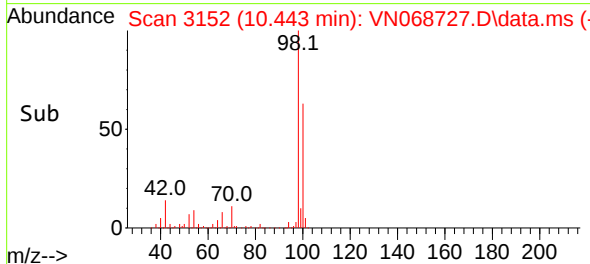
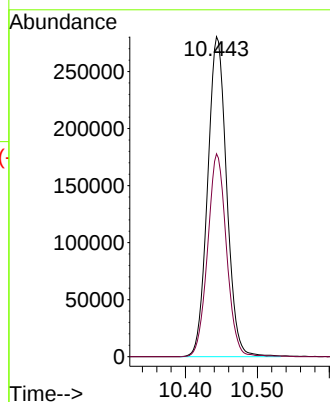
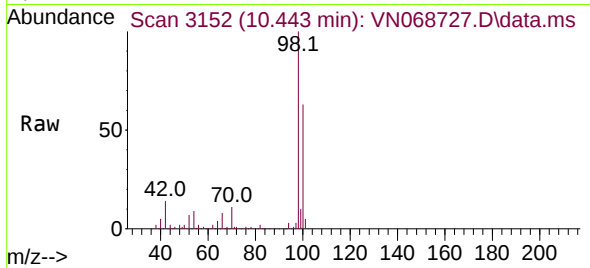




#63
Toluene-d8
Concen: 31.244 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

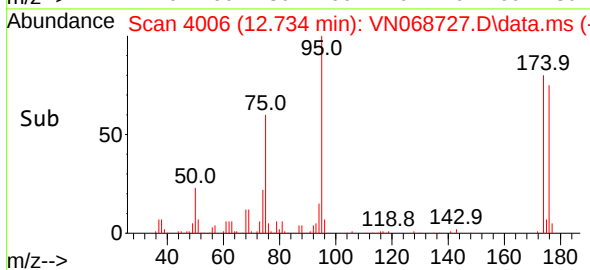
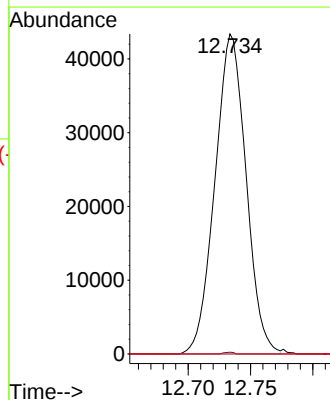
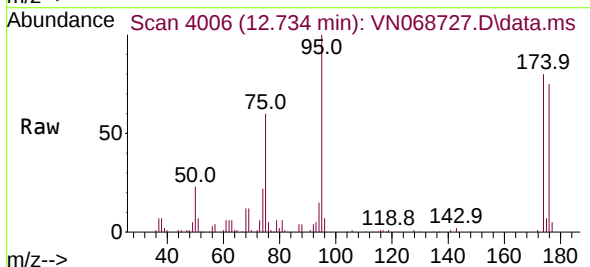
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ClientSampleId :
VN0928WBL01

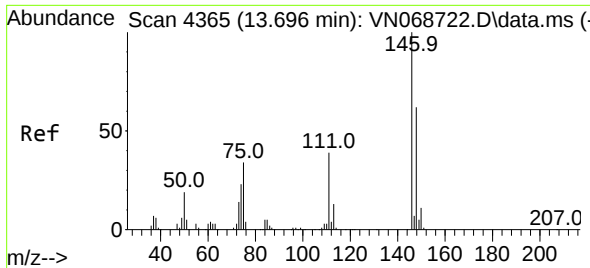
Tgt Ion: 98 Resp: 516563
Ion Ratio Lower Upper
98 100
100 62.6 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 34.010 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

Tgt Ion: 75 Resp: 75221
Ion Ratio Lower Upper
75 100
53 0.5 51.8 155.5#
89 0.0 22.9 68.7#

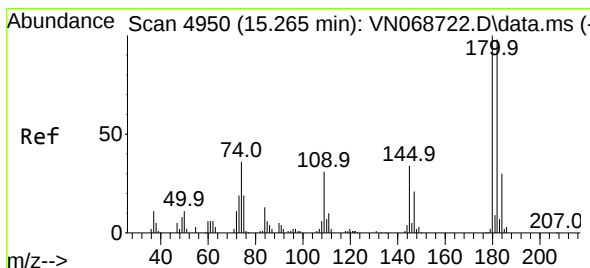
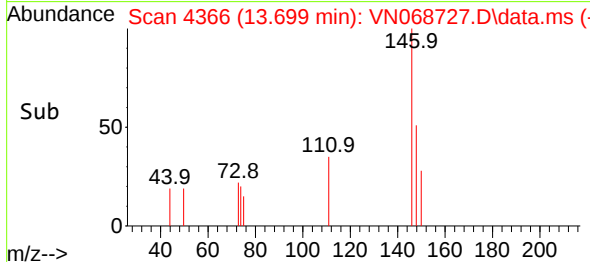
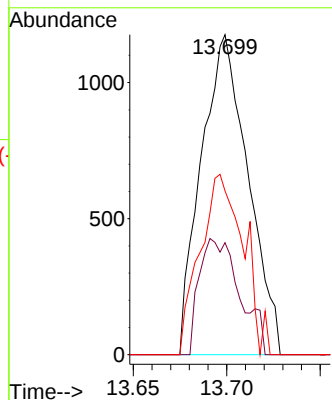
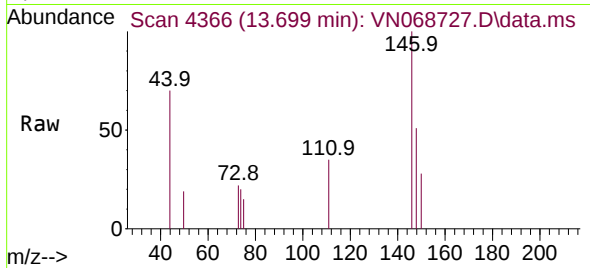




#84
1,4-Dichlorobenzene
Concen: 0.206 ug/l
RT: 13.699 min Scan# 4366
Delta R.T. 0.003 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

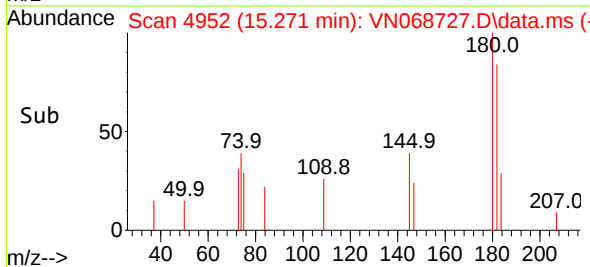
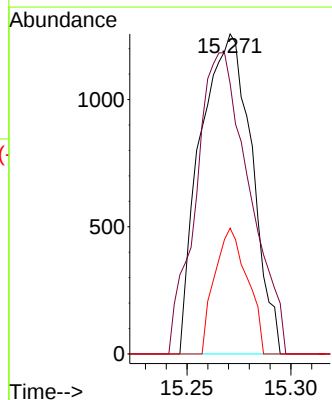
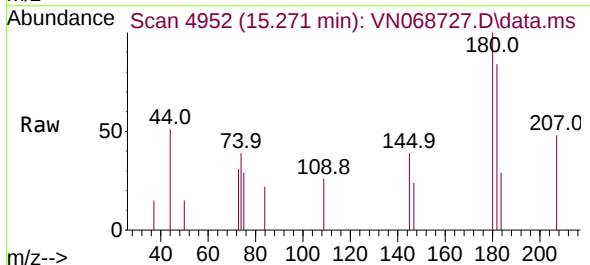
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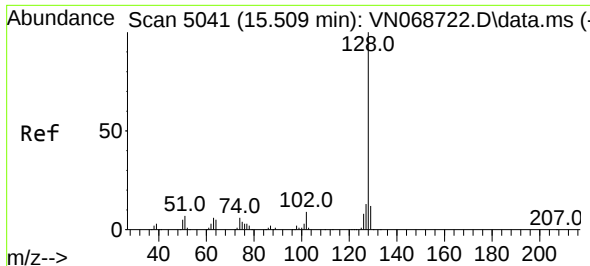
Tgt Ion:146 Resp: 2047
Ion Ratio Lower Upper
146 100
111 16.7 19.5 58.5#
148 46.0 31.1 93.5



#89
1,2,4-Trichlorobenzene
Concen: 0.457 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

Tgt Ion:180 Resp: 2163
Ion Ratio Lower Upper
180 100
182 97.8 77.7 116.5
145 24.9 26.6 39.8#

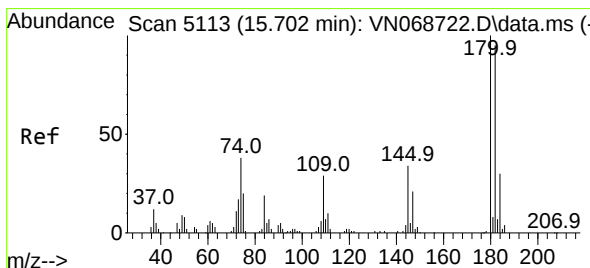
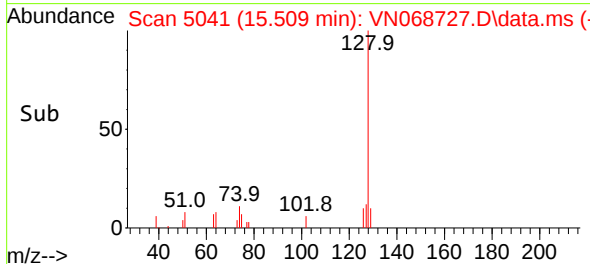
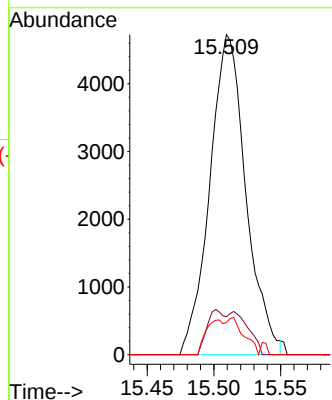
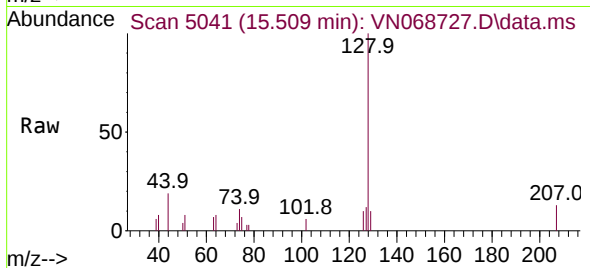




#91
Naphthalene
Concen: 0.664 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBL01

Tgt Ion:128 Resp: 8877
Ion Ratio Lower Upper
128 100
127 7.3 10.7 16.1#
129 5.2 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.576 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN068727.D
Acq: 28 Sep 2021 18:48

Tgt Ion:180 Resp: 2617
Ion Ratio Lower Upper
180 100
182 86.0 0.0 190.0
145 10.4 0.0 67.8

