

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
 Data File : VN066417.D
 Acq On : 30 Mar 2021 12:04
 Operator : JC/MD
 Sample : VN0330WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBL01

Quant Time: Mar 31 02:53:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

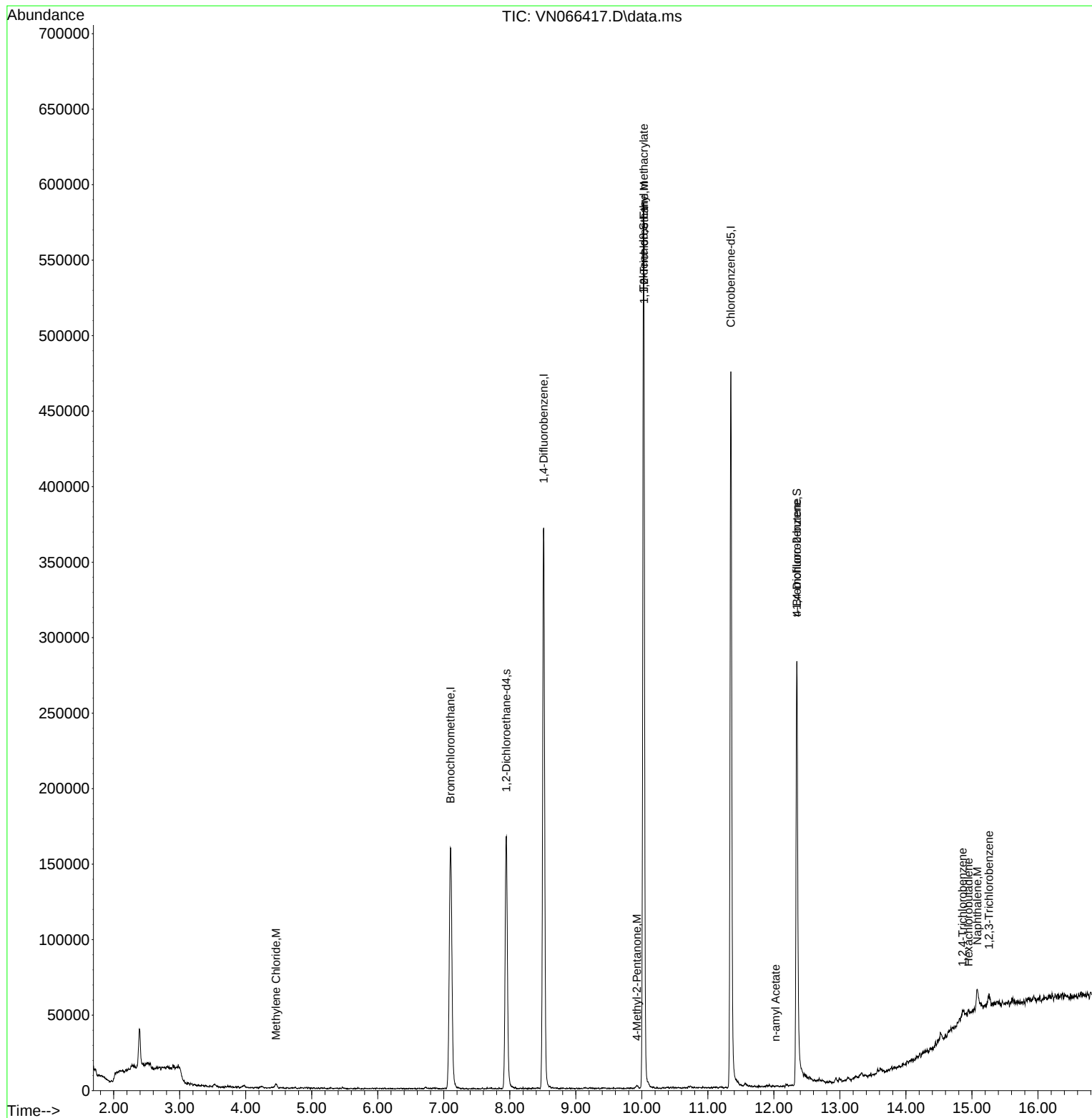
Internal Standards						
1) Bromochloromethane	7.102	128	64433	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.513	114	335143	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	285765	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.947	65	142900	28.85	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.17%
60) 4-Bromofluorobenzene	12.348	95	107867	24.19	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.63%
63) Toluene-d8	10.025	98	408240	30.44	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.47%
Target Compounds						
					Qvalue	
13) Acrolein	3.602	56	118	Below Cal		99
18) Methylene Chloride	4.460	84	1137	0.29 ug/l #		60
47) n-amyl Acetate	12.026	43	245	6.17 ug/l #		54
50) 1,1,2-Trichloroethane	10.033	97	14491	3.81 ug/l #		1
51) Ethyl methacrylate	10.031	69	1255	0.21 ug/l #		77
58) 4-Methyl-2-Pentanone	9.923	43	1746	0.30 ug/l #		51
77) t-1,4-Dichloro-2-butene	12.348	75	54223	32.87 ug/l #		10
89) 1,2,4-Trichlorobenzene	14.858	180	1882	0.45 ug/l #		45
90) Hexachlorobutadiene	14.947	225	760	0.33 ug/l		70
91) Naphthalene	15.081	128	15972	1.25 ug/l #		91
92) 1,2,3-Trichlorobenzene	15.258	180	2940	0.72 ug/l		85

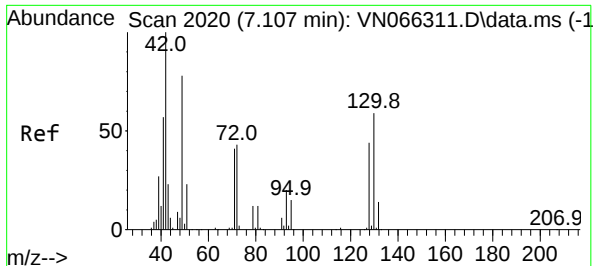
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
Data File : VN066417.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBL01

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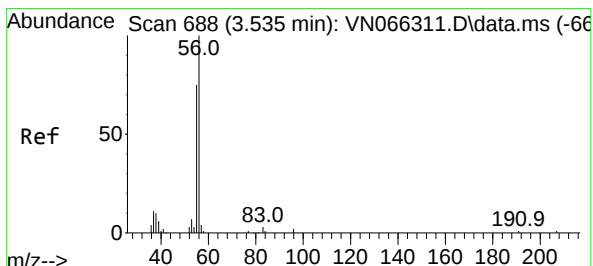
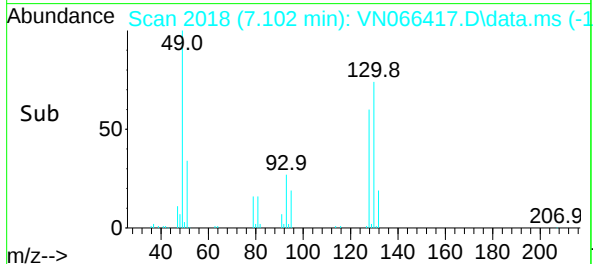
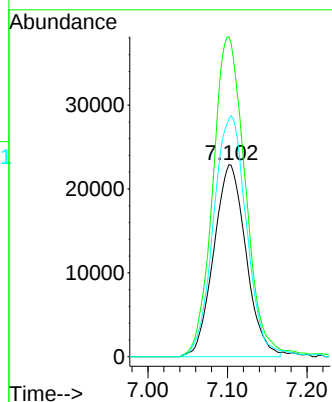
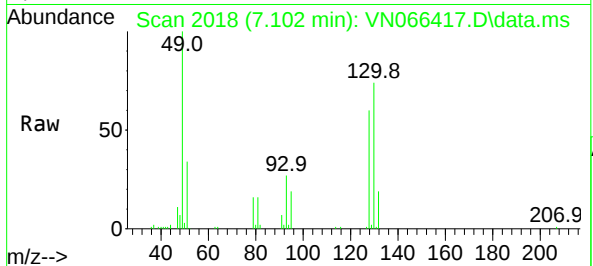




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.102 min Scan# 2018
Delta R.T. -0.005 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

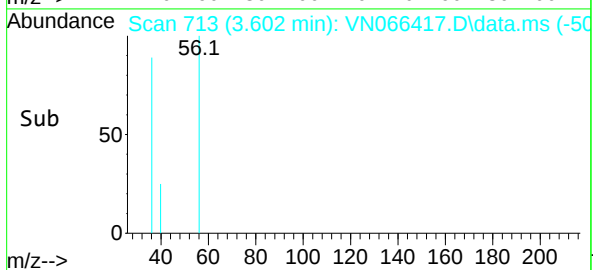
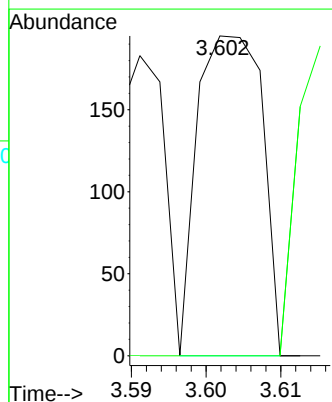
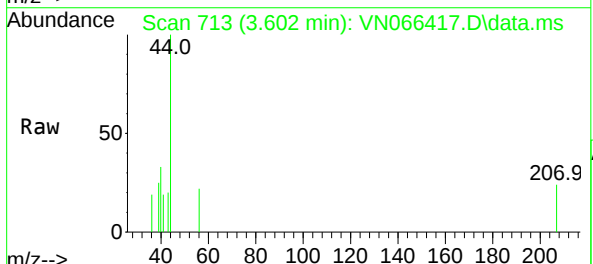
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBL01

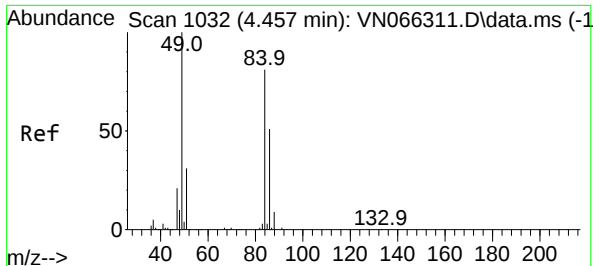
Tgt Ion:128 Resp: 64433
Ion Ratio Lower Upper
128 100
49 166.8 0.0 429.3
130 129.7 0.0 328.5



#13
Acrolein
Concen: Below Cal
RT: 3.602 min Scan# 713
Delta R.T. 0.067 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 68.6 54.1 81.1





#18

Methylene Chloride

Concen: 0.29 ug/l

RT: 4.460 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VN066417.D

Acq: 30 Mar 2021 12:04

Tgt Ion: 84 Resp: 1137

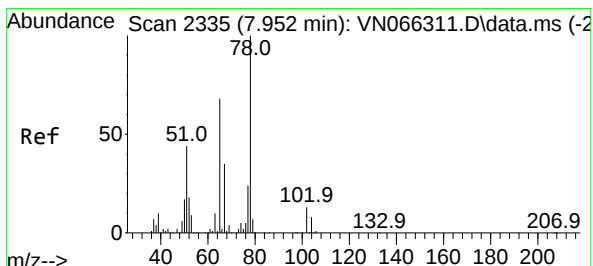
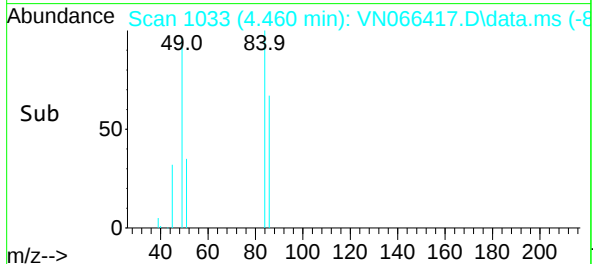
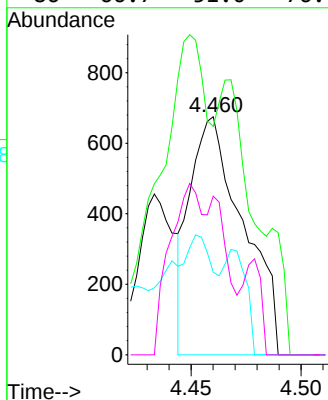
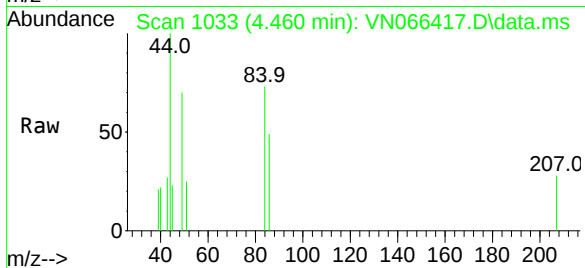
Ion Ratio Lower Upper

84 100

49 44.7 98.9 148.3#

51 34.7 30.8 46.2

86 66.7 51.0 76.4



#27

1,2-Dichloroethane-d4

Concen: 28.85 ug/l

RT: 7.947 min Scan# 2333

Delta R.T. -0.005 min

Lab File: VN066417.D

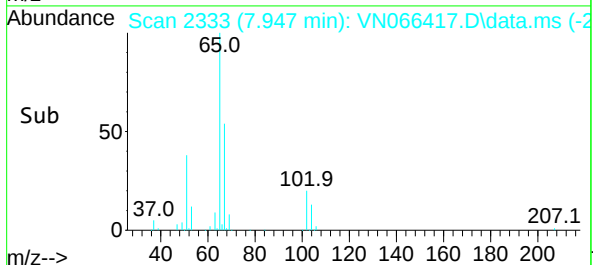
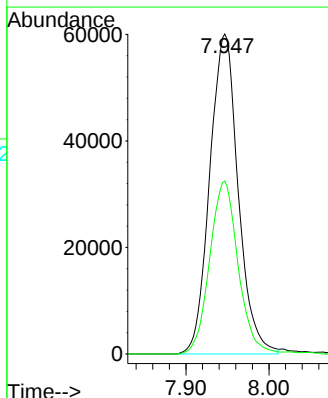
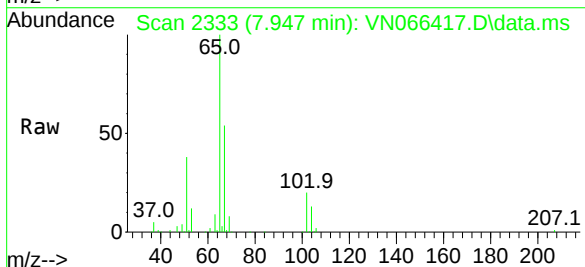
Acq: 30 Mar 2021 12:04

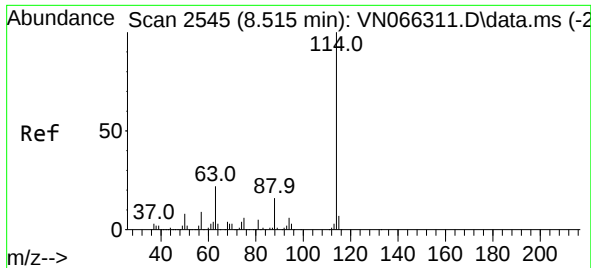
Tgt Ion: 65 Resp: 142900

Ion Ratio Lower Upper

65 100

67 54.0 42.2 63.4

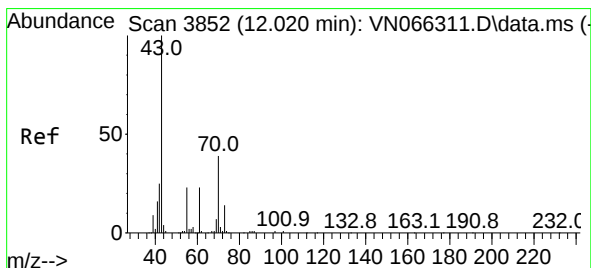
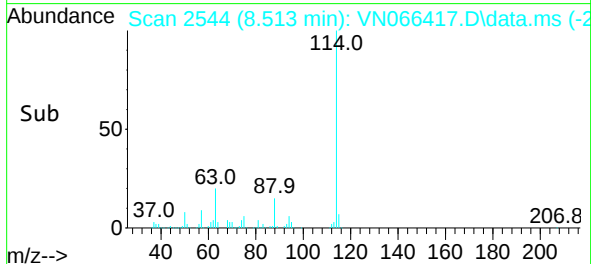
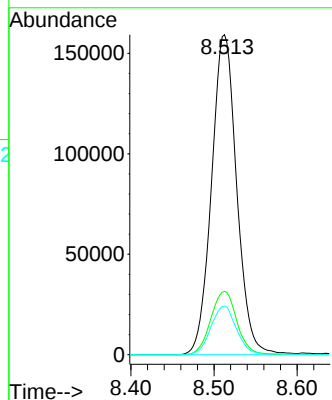
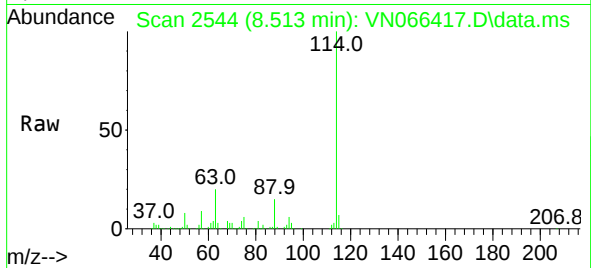




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.513 min Scan# 2544
Delta R.T. -0.002 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

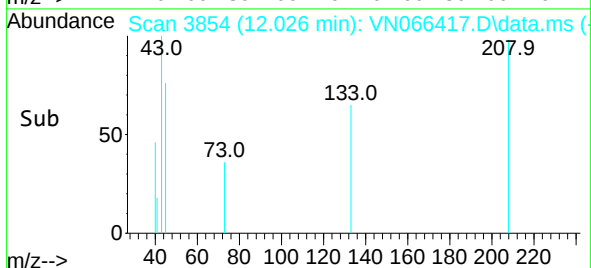
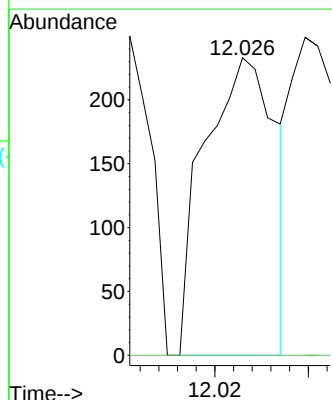
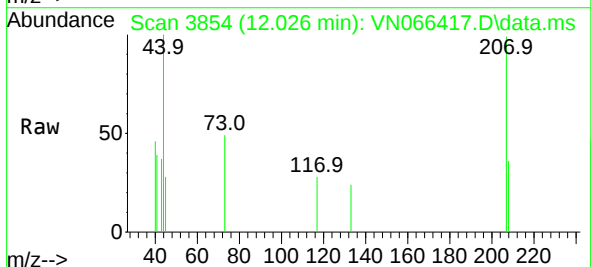
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBL01

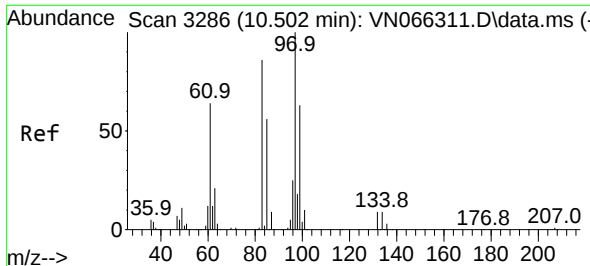
Tgt Ion:114 Resp: 335143
Ion Ratio Lower Upper
114 100
63 20.6 17.4 26.0
88 15.4 12.6 19.0



#47
n-amy1 Acetate
Concen: 6.17 ug/l
RT: 12.026 min Scan# 3854
Delta R.T. 0.006 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

Tgt Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
55 0.0 17.7 26.5#

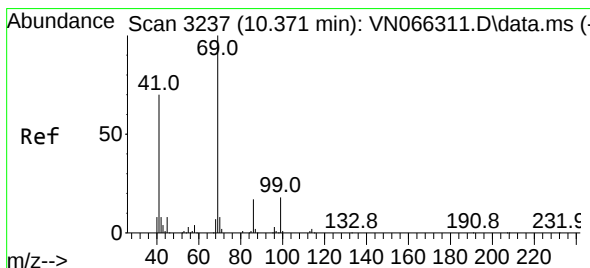
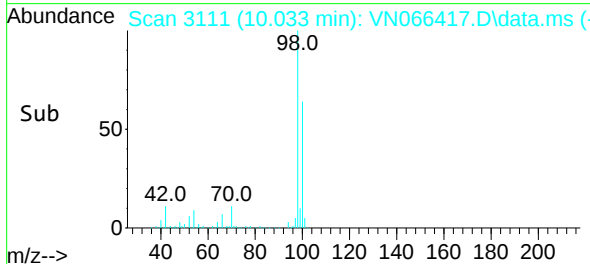
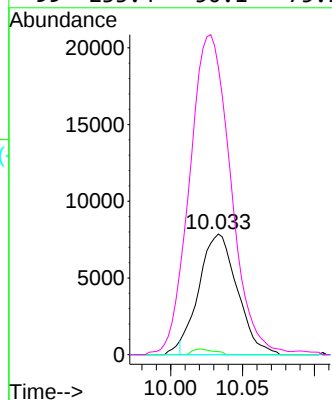
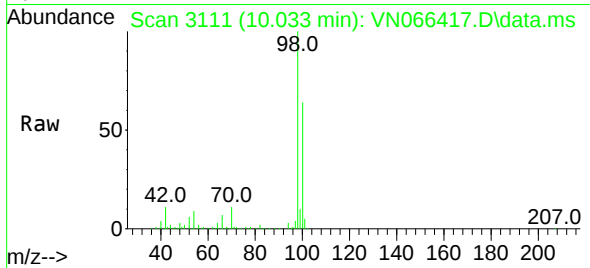




#50
1,1,2-Trichloroethane
Concen: 3.81 ug/l
RT: 10.033 min Scan# 3111
Delta R.T. -0.469 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

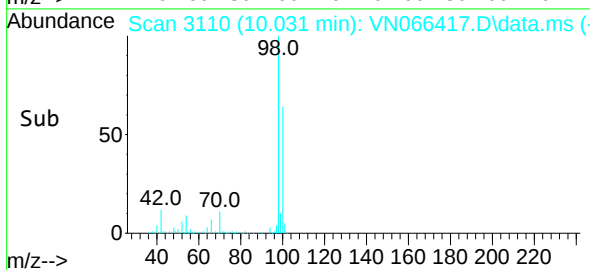
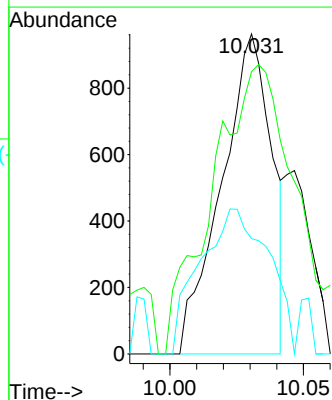
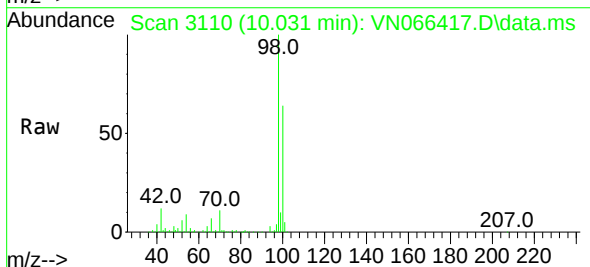
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBL01

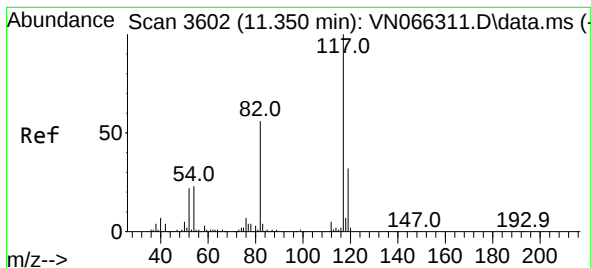
Tgt Ion:	97	Resp:	14491
Ion	Ratio	Lower	Upper
97	100		
83	2.6	68.8	103.2#
85	0.0	44.8	67.2#
99	233.4	50.1	75.1#



#51
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 10.031 min Scan# 3110
Delta R.T. -0.340 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

Tgt Ion:	69	Resp:	1255
Ion	Ratio	Lower	Upper
69	100		
41	61.2	34.8	104.5
39	17.5	22.5	67.5#

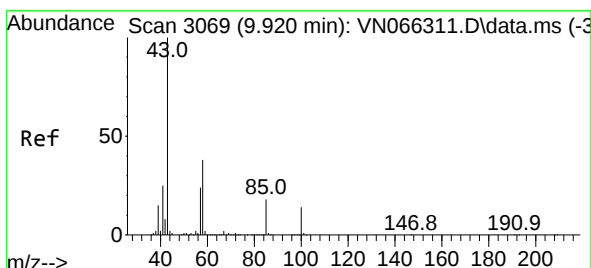
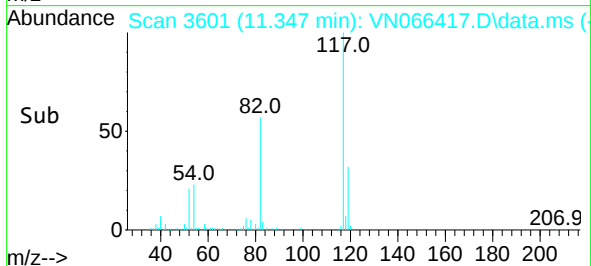
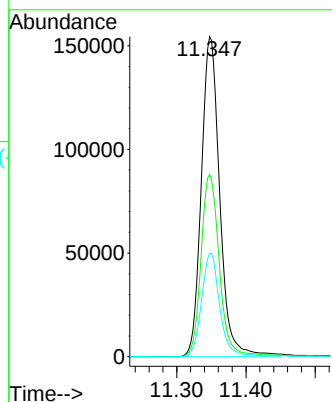
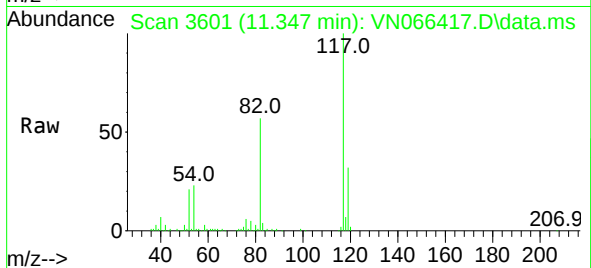




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

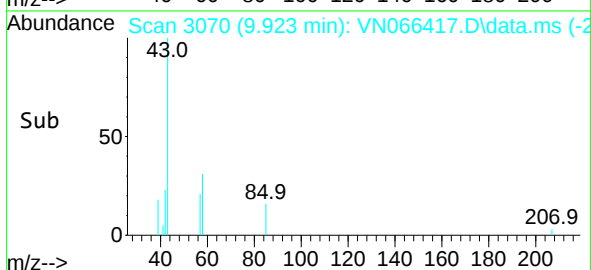
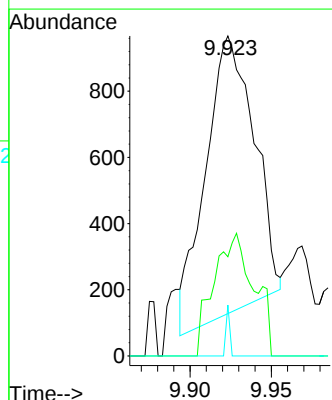
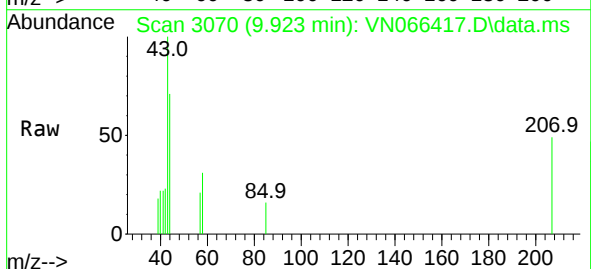
Instrument :
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ClientSampleId :
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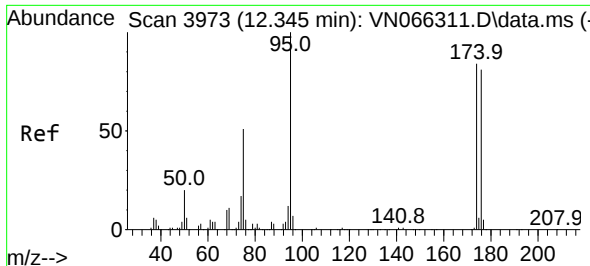
Tgt Ion:	117	Resp:	285765
Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.6
119	31.7	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 0.30 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

Tgt Ion:	43	Resp:	1746
Ion	Ratio	Lower	Upper
43	100		
58	5.6	30.4	45.6#
85	0.0	13.8	20.8#

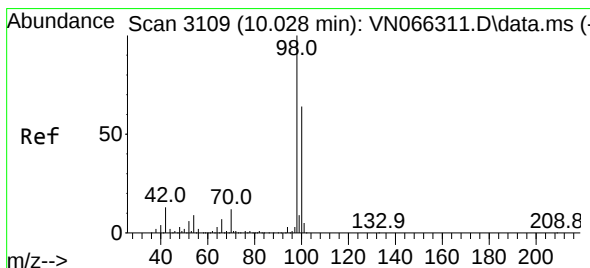
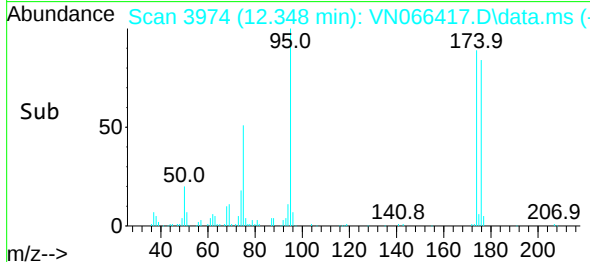
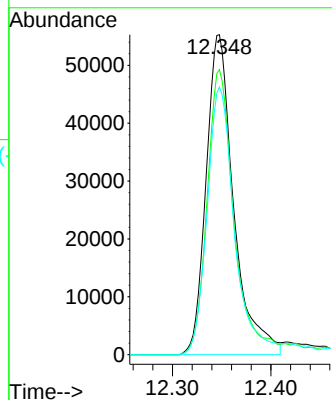
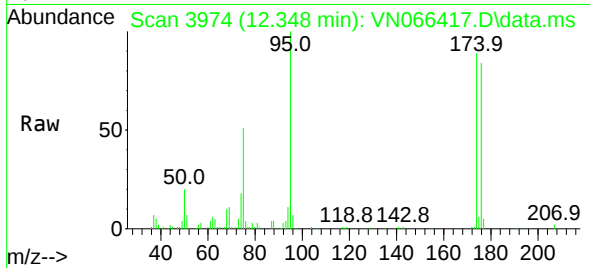




#60
4-Bromofluorobenzene
Concen: 24.19 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

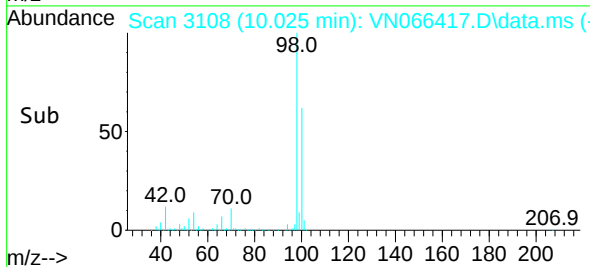
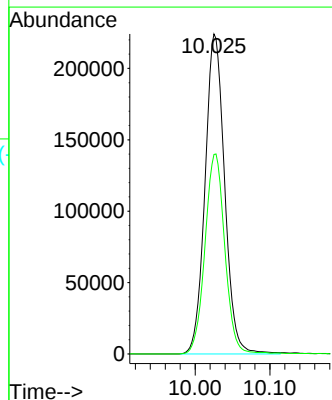
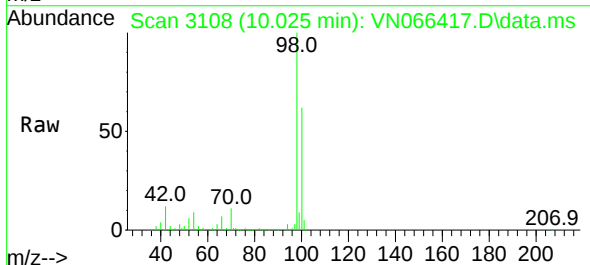
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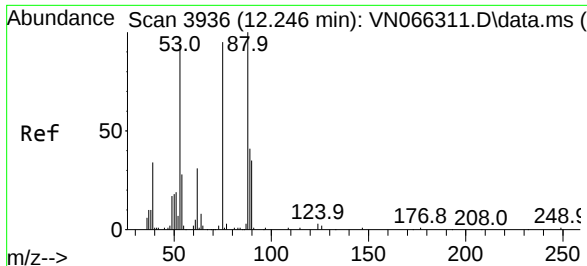
Tgt Ion: 95 Resp: 107867
Ion Ratio Lower Upper
95 100
174 87.2 68.1 102.1
176 83.3 65.4 98.0



#63
Toluene-d8
Concen: 30.44 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.003 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

Tgt Ion: 98 Resp: 408240
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7

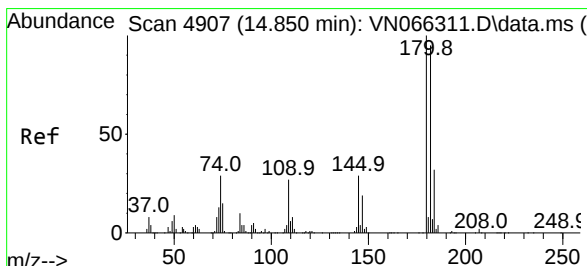
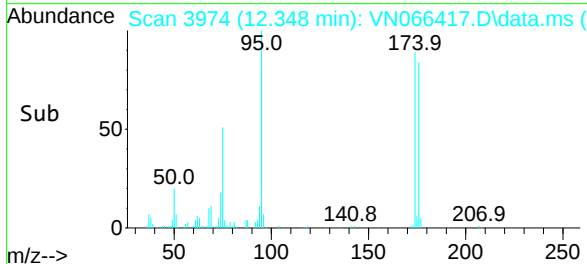
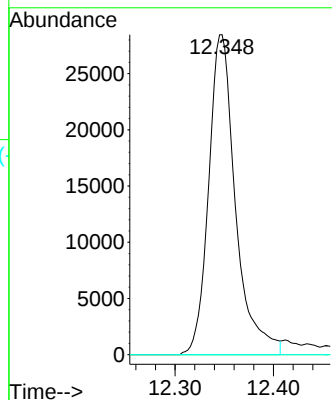
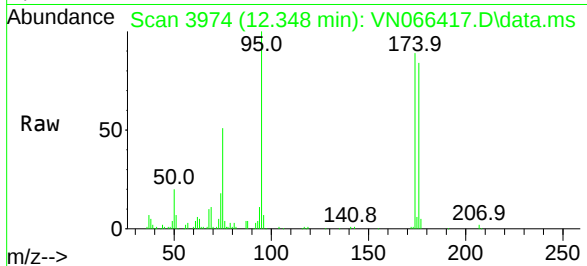




#77
t-1,4-Dichloro-2-butene
Concen: 32.87 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

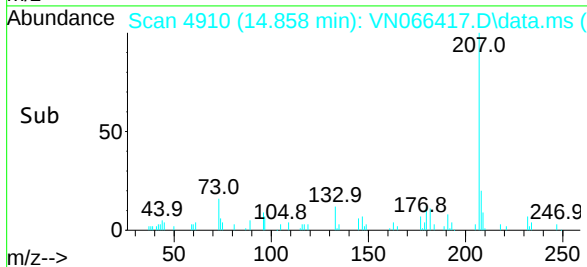
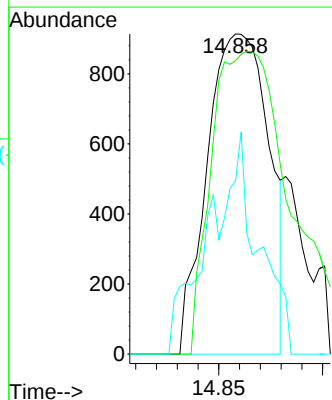
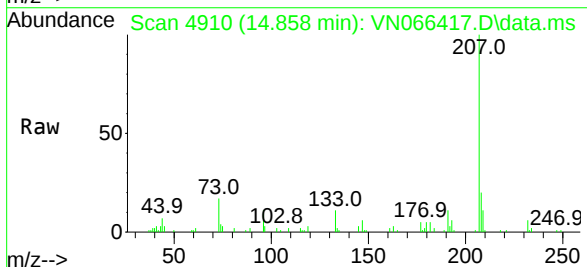
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBL01

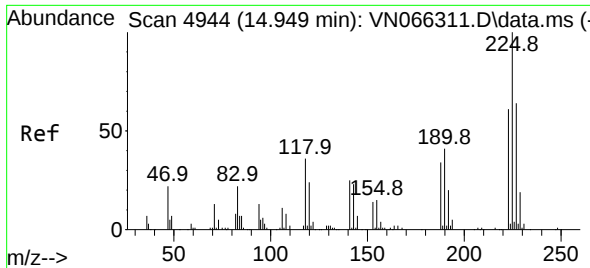
Tgt Ion: 75 Resp: 54223
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.45 ug/l
RT: 14.858 min Scan# 4910
Delta R.T. 0.008 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

Tgt Ion:180 Resp: 1882
Ion Ratio Lower Upper
180 100
182 34.5 74.3 111.5#
145 10.8 23.4 35.0#

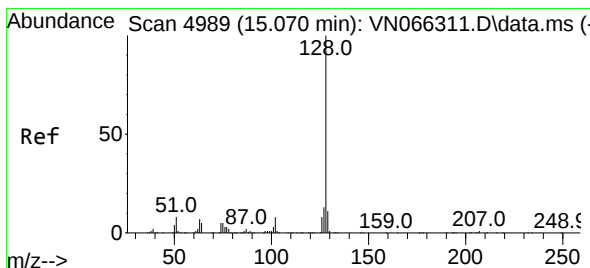
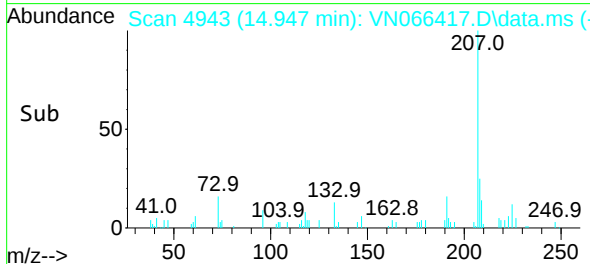
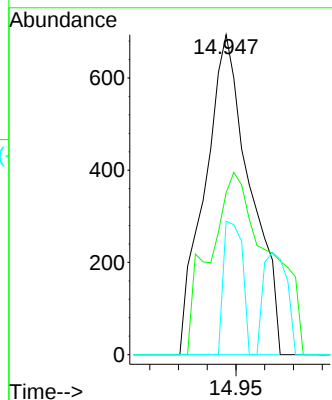
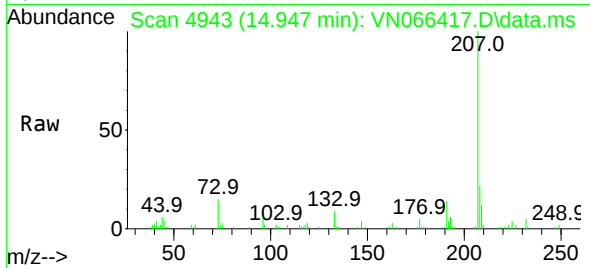




#90
Hexachlorobutadiene
Concen: 0.33 ug/l
RT: 14.947 min Scan# 4943
Delta R.T. -0.003 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

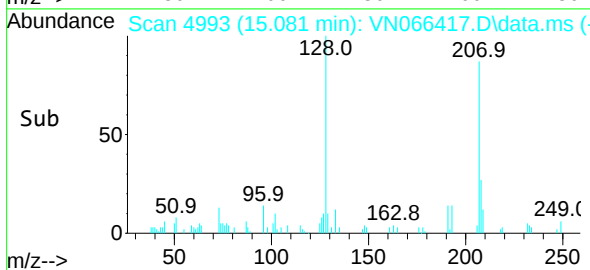
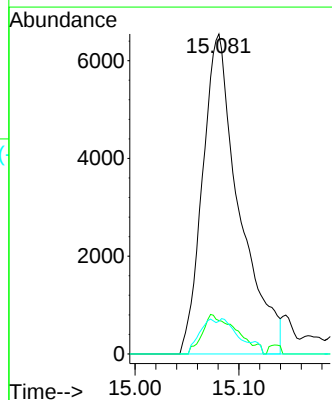
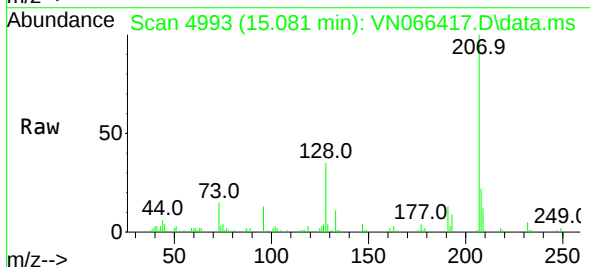
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBL01

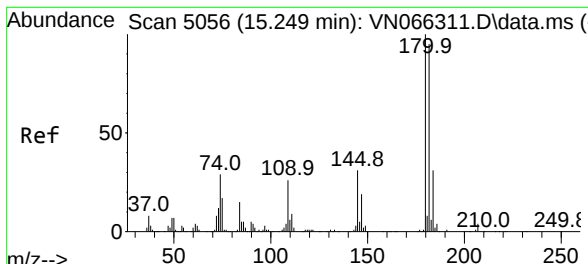
Tgt Ion:225 Resp: 760
Ion Ratio Lower Upper
225 100
223 61.8 0.0 124.6
227 17.4 0.0 126.6



#91
Naphthalene
Concen: 1.25 ug/l
RT: 15.081 min Scan# 4993
Delta R.T. 0.011 min
Lab File: VN066417.D
Acq: 30 Mar 2021 12:04

Tgt Ion:128 Resp: 15972
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.2
129 5.1 8.6 13.0#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.72 ug/l
 RT: 15.258 min Scan# 5059
 Delta R.T. 0.008 min
 Lab File: VN066417.D
 Acq: 30 Mar 2021 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBL01

Tgt Ion:	180	Resp:	2940
Ion Ratio	Lower	Upper	
180	100		
182	92.1	0.0	190.0
145	1.2	0.0	60.8

