

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112321\
 Data File : VN069628.D
 Acq On : 23 Nov 2021 15:57
 Operator : JC/MD
 Sample : M4820-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2021
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 24 02:26:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	173143	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	961350	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	814442	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	484781	32.284	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	107.600%		
60) 4-Bromofluorobenzene	12.733	95	305228	23.419	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	78.067%		
63) Toluene-d8	10.443	98	1167645	31.050	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.500%		
Target Compounds						
18) Methylene Chloride	5.101	84	9943m	0.902	ug/l	Qvalue
25) Chloroform	7.820	83	1412539	68.337	ug/l	100
41) Bromodichloromethane	9.762	83	78280	5.269	ug/l #	92
53) Dibromochloromethane	11.242	129	2348	0.219	ug/l	70

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

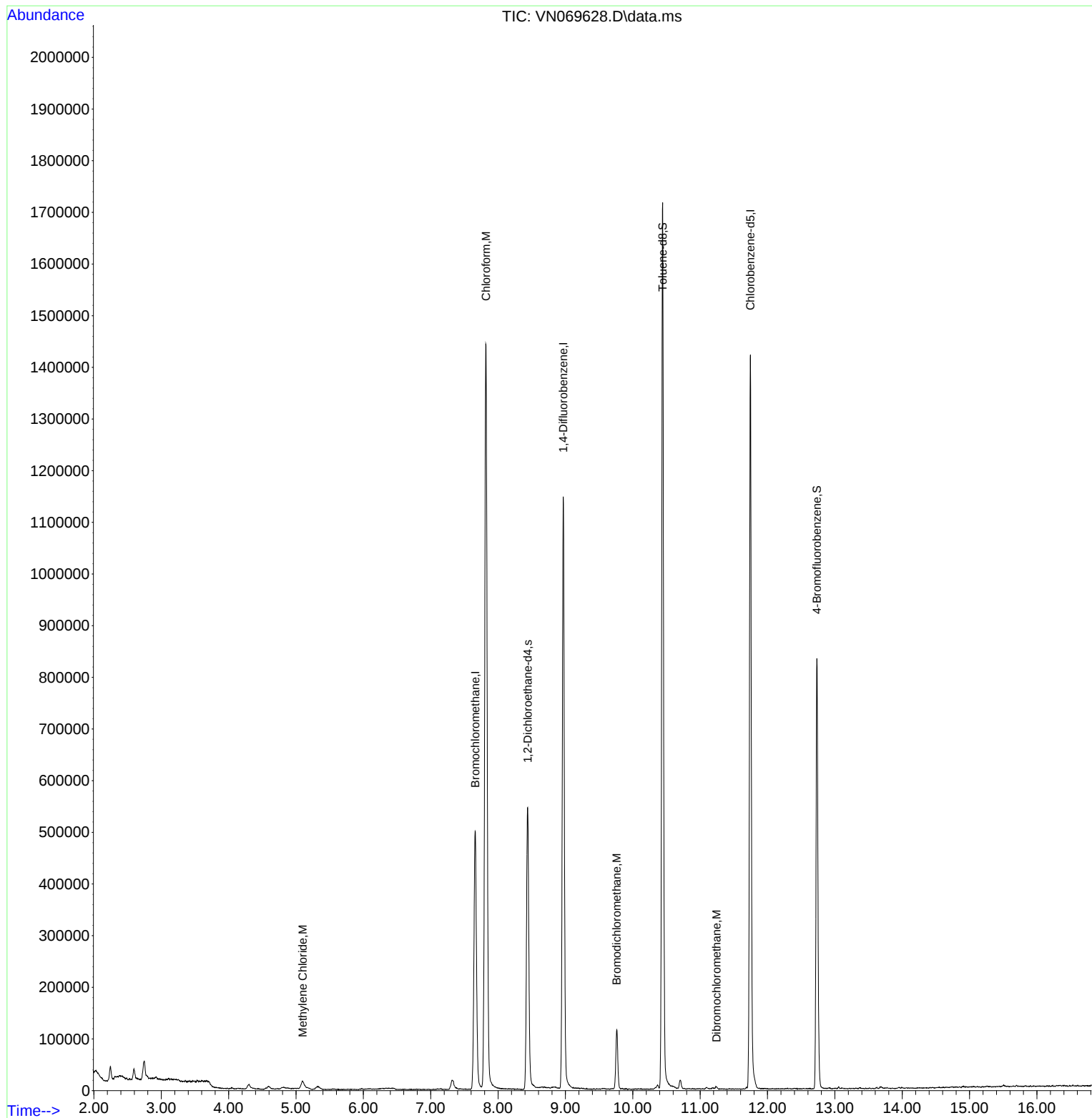
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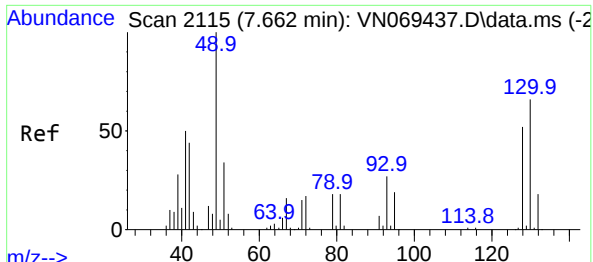
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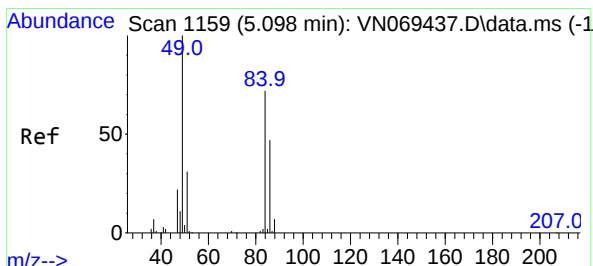
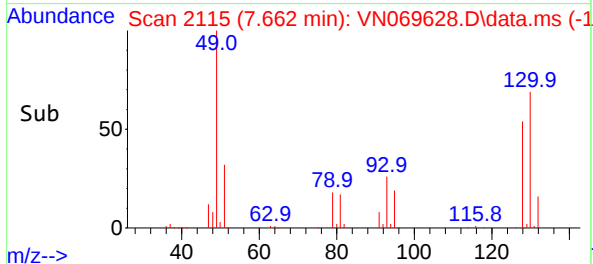
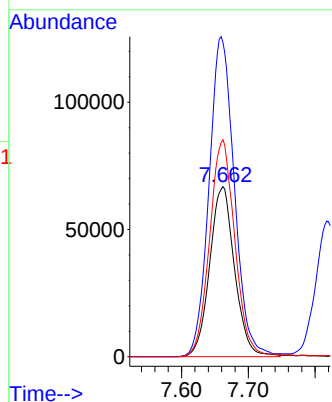
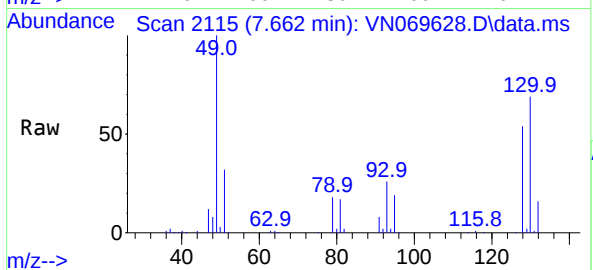
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069628.D
Acq: 23 Nov 2021 15:57

Instrument :
MSVOA_N
ClientSampleId :
14B-2

Tgt Ion:128 Resp: 17314
Ion Ratio Lower Upper
128 100
49 191.0 0.0 392.3
130 128.9 0.0 320.2

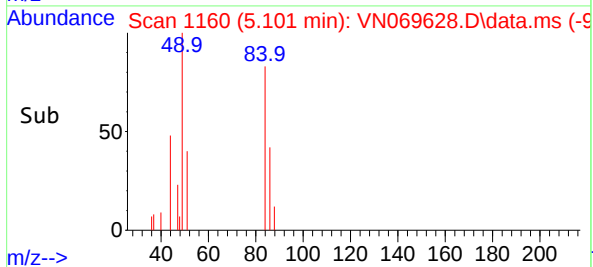
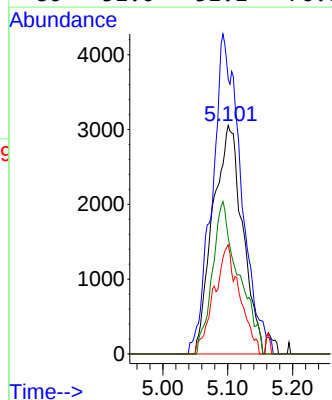
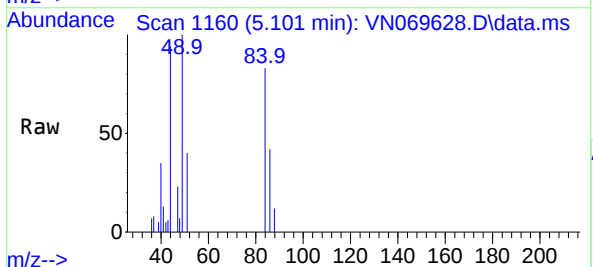
Manual Integrations
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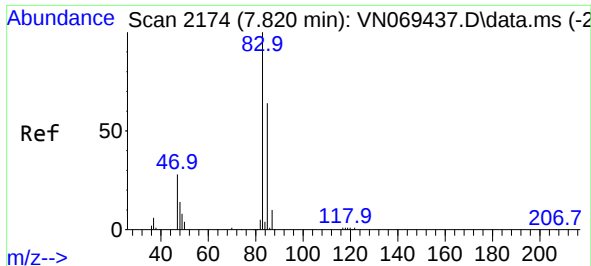
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#18
Methylene Chloride
Concen: 0.902 ug/l m
RT: 5.101 min Scan# 1160
Delta R.T. 0.000 min
Lab File: VN069628.D
Acq: 23 Nov 2021 15:57

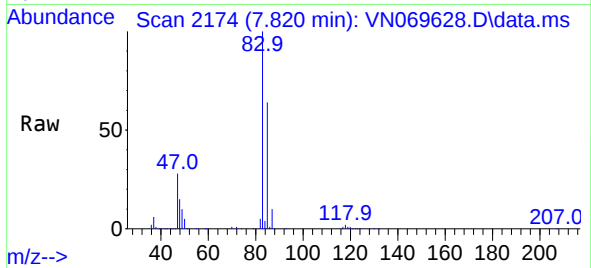
Tgt Ion: 84 Resp: 9943
Ion Ratio Lower Upper
84 100
49 120.2 91.4 137.0
51 47.8 29.4 44.0#
86 51.0 51.1 76.7#





#25
Chloroform
Concen: 68.337 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069628.D
Acq: 23 Nov 2021 15:57

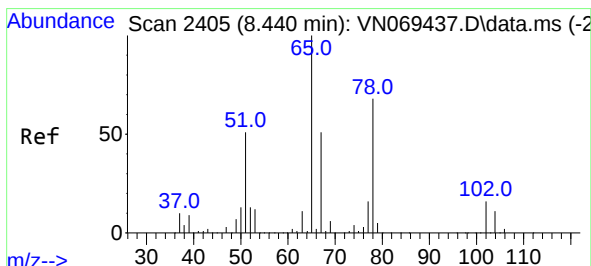
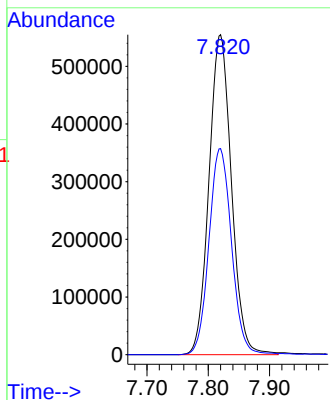
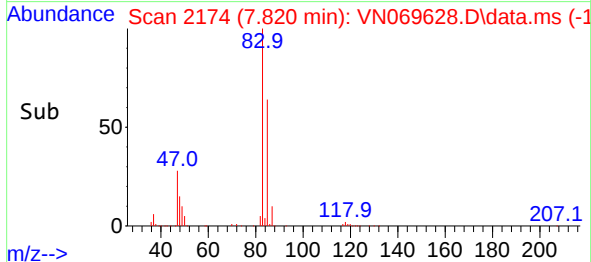
Instrument :
MSVOA_N
ClientSampleId :
14B-2



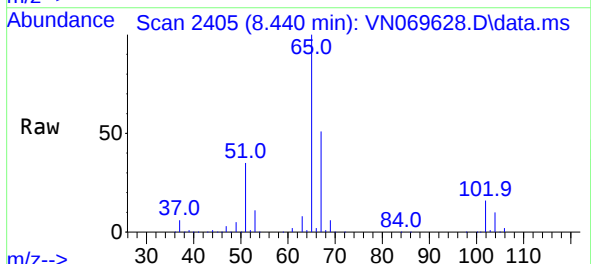
Tgt Ion: 83 Resp: 1412539
Ion Ratio Lower Upper
83 100
85 64.4 51.3 76.9

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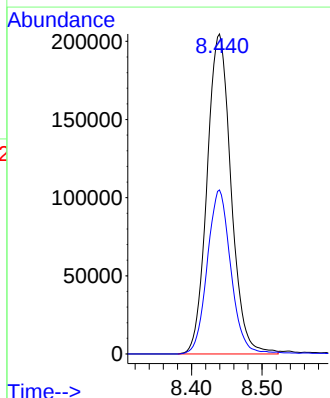
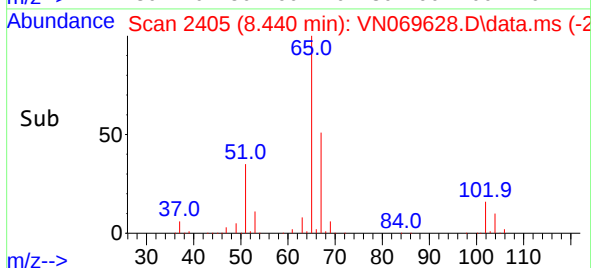
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

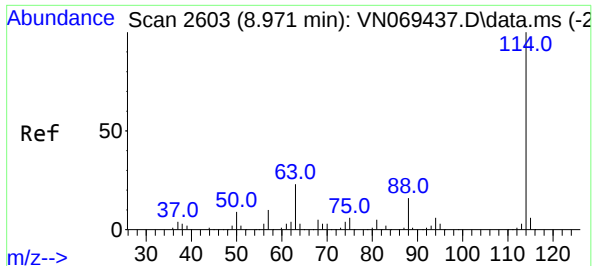


#27
1,2-Dichloroethane-d4
Concen: 32.284 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069628.D
Acq: 23 Nov 2021 15:57



Tgt Ion: 65 Resp: 484781
Ion Ratio Lower Upper
65 100
67 49.8 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.003 min

Lab File: VN069628.D

Acq: 23 Nov 2021 15:57

Instrument :

MSVOA_N

ClientSampleId :

14B-2

Tgt Ion:114 Resp: 961350

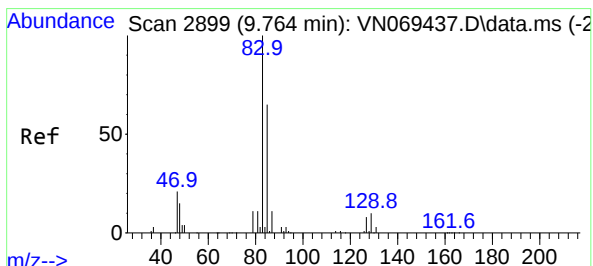
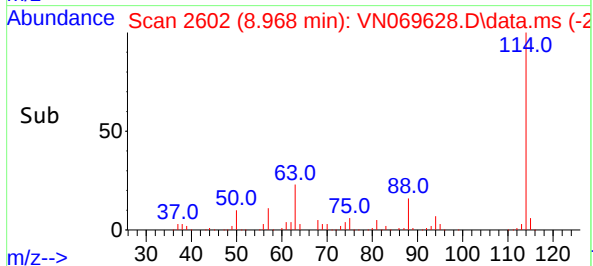
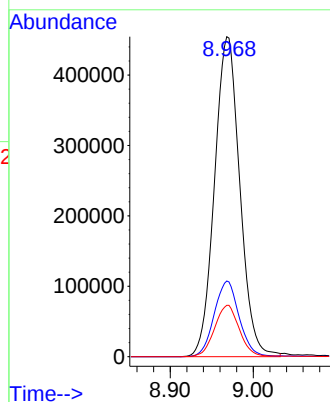
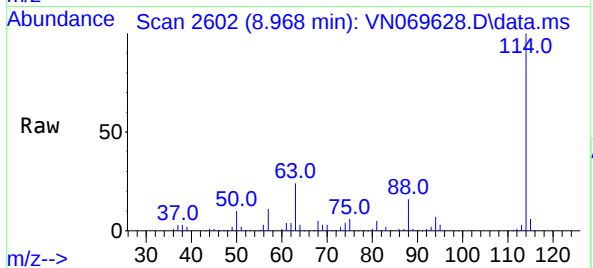
Ion	Ratio	Lower	Upper
114	100		
63	23.4	15.8	23.6
88	15.7	11.6	17.4

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#41

Bromodichloromethane

Concen: 5.269 ug/l

RT: 9.762 min Scan# 2898

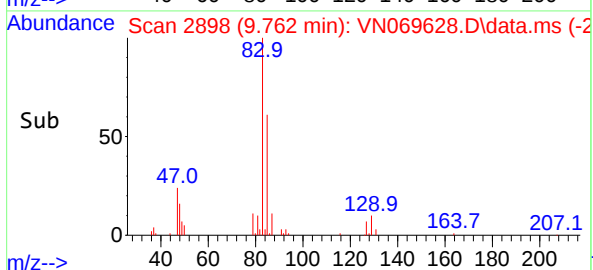
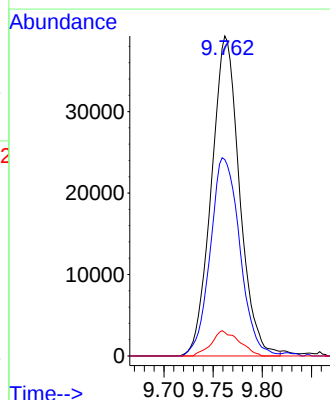
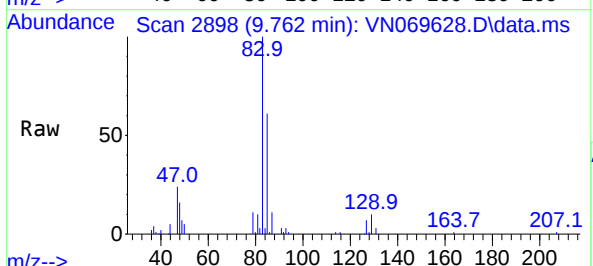
Delta R.T. -0.003 min

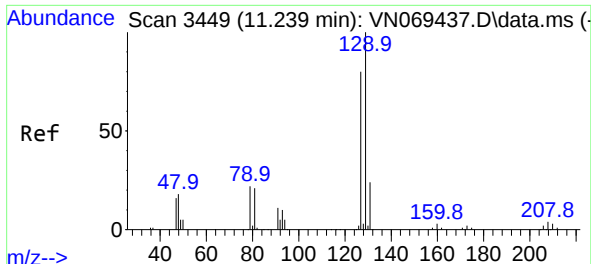
Lab File: VN069628.D

Acq: 23 Nov 2021 15:57

Tgt Ion: 83 Resp: 78280

Ion	Ratio	Lower	Upper
83	100		
85	61.3	54.1	81.1
127	7.4	7.6	11.4





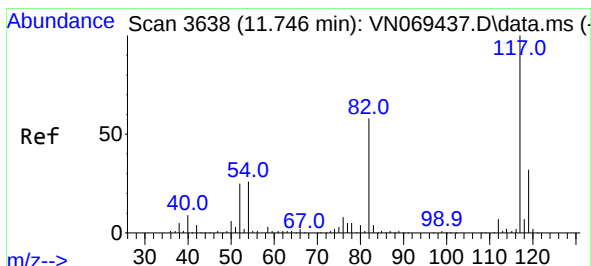
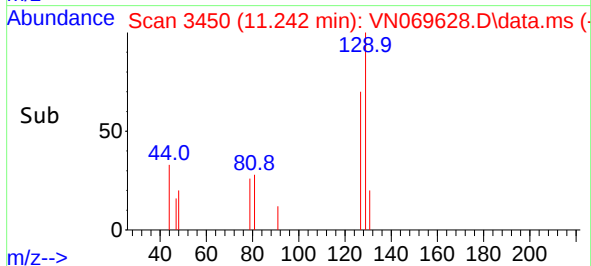
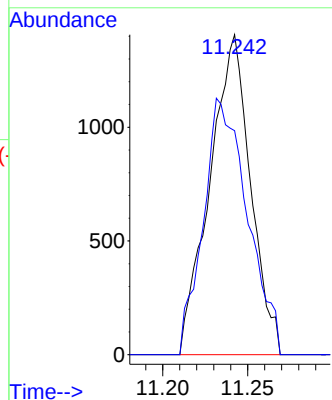
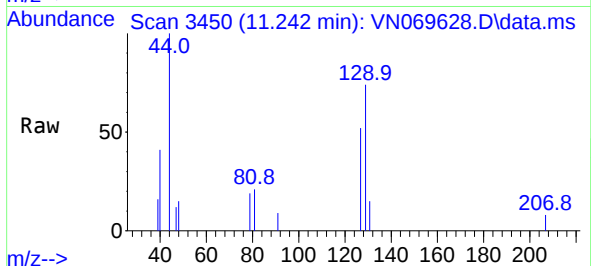
#53
Dibromochloromethane
Concen: 0.219 ug/l
RT: 11.242 min Scan# 3449
Delta R.T. 0.003 min
Lab File: VN069628.D
Acq: 23 Nov 2021 15:57

Instrument :
MSVOA_N
ClientSampleId :
14B-2

Tgt Ion:129 Resp: 2348
Ion Ratio Lower Upper
129 100
127 52.3 39.0 117.0

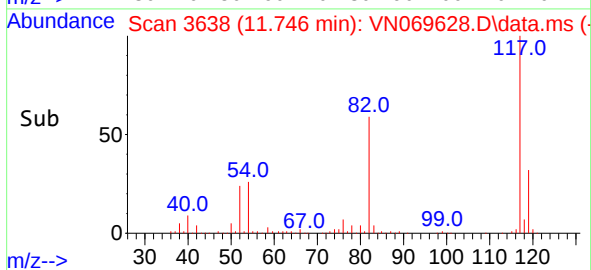
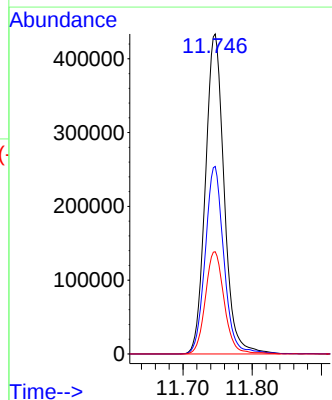
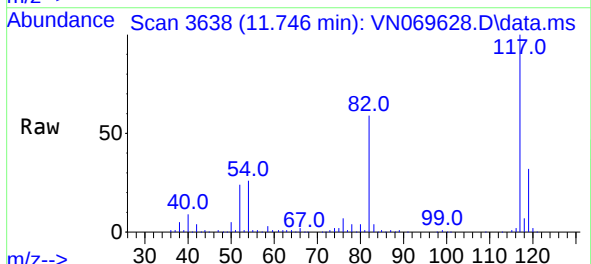
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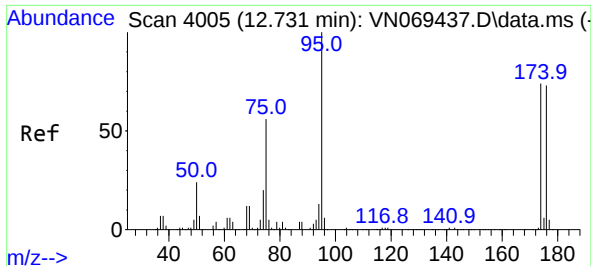
Reviewed By :John Carlone 11/24/2021
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#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069628.D
Acq: 23 Nov 2021 15:57

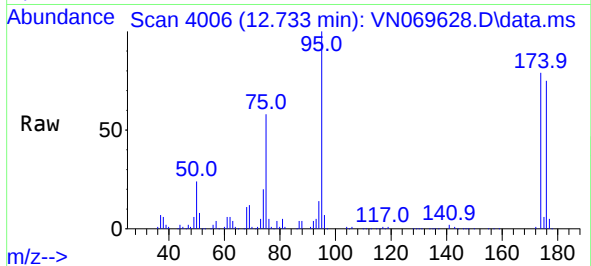
Tgt Ion:117 Resp: 814442
Ion Ratio Lower Upper
117 100
82 58.5 43.6 65.4
119 32.1 25.8 38.6





#60
4-Bromofluorobenzene
Concen: 23.419 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN069628.D
Acq: 23 Nov 2021 15:57

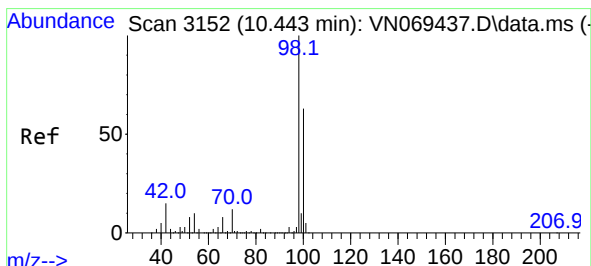
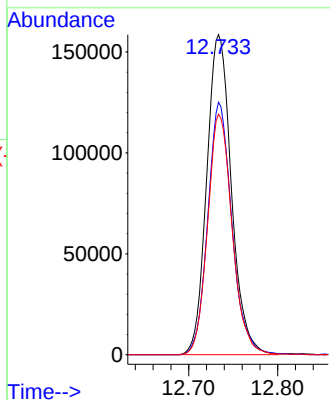
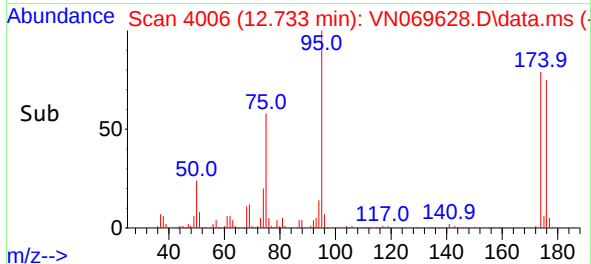
Instrument :
MSVOA_N
ClientSampleId :
14B-2



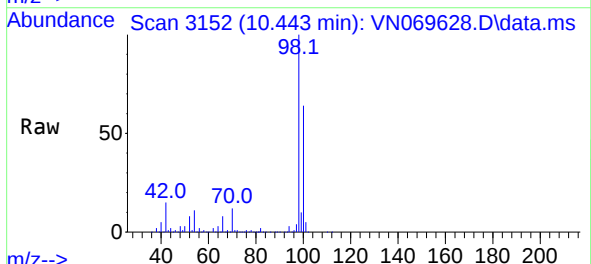
Tgt Ion: 95 Resp: 305228
Ion Ratio Lower Upper
95 100
174 77.1 62.9 94.3
176 74.5 61.0 91.4

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#63
Toluene-d8
Concen: 31.050 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069628.D
Acq: 23 Nov 2021 15:57



Tgt Ion: 98 Resp: 1167645
Ion Ratio Lower Upper
98 100
100 63.8 50.6 76.0

