

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069444.D
 Acq On : 10 Nov 2021 16:16
 Operator : JC/MD
 Sample : M4478-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Semsettin Yesilyurt 11/16/2021

Quant Time: Nov 10 18:04:54 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	92275	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	534407	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	451262	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	259618	32.441	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.133%			
60) 4-Bromofluorobenzene	12.733	95	177989	24.647	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.167%			
63) Toluene-d8	10.443	98	645315	30.971	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.233%			
Target Compounds						
15) Acetone	4.296	58	13619	11.281	ug/l	93
59) 2-Hexanone	11.092	43	11255	1.494	ug/l	92
83) 1,3-Dichlorobenzene	13.627	146	3697m	0.351	ug/l	
84) 1,4-Dichlorobenzene	13.694	146	3876	0.380	ug/l	86
85) n-Butylbenzene	13.946	91	6356	0.354	ug/l	94
87) 1,2-Dichlorobenzene	13.986	146	3242m	0.319	ug/l	
89) 1,2,4-Trichlorobenzene	15.271	180	5129	1.053	ug/l #	81
91) Naphthalene	15.512	128	22093	1.575	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.702	180	5794	1.211	ug/l	93

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

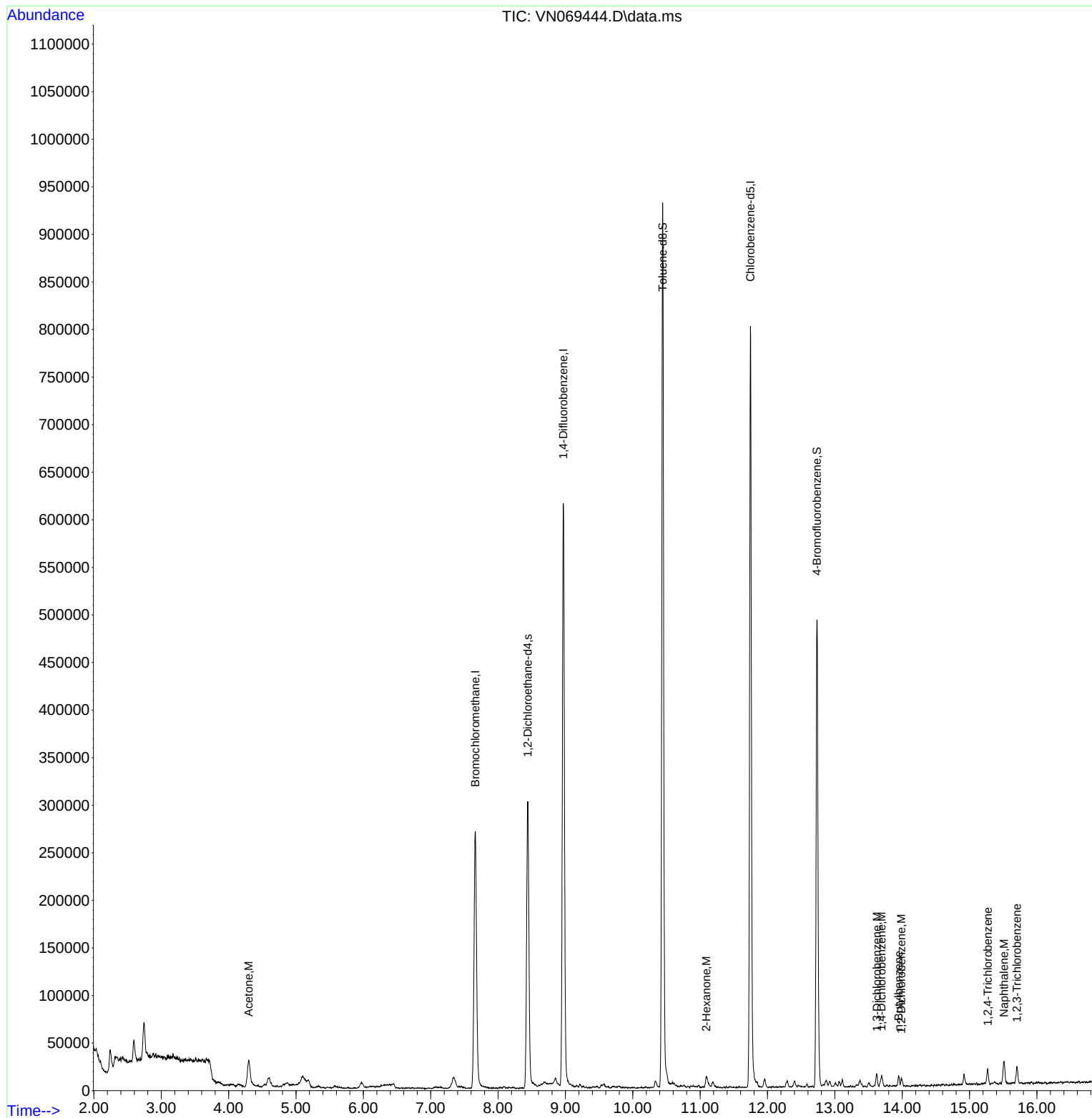
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
Data File : VN069444.D
Acq On : 10 Nov 2021 16:16
Operator : JC/MD
Sample : M4478-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

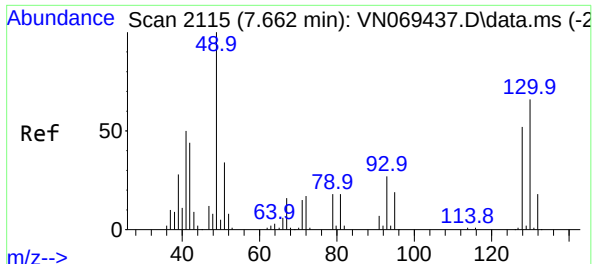
Instrument :
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TWP02

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Nov 10 14:36:17 2021
Response via : Initial Calibration





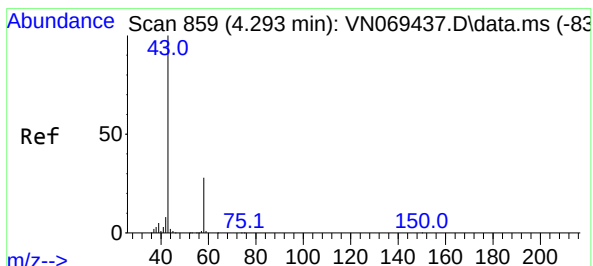
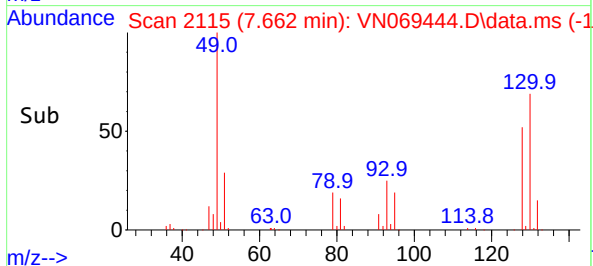
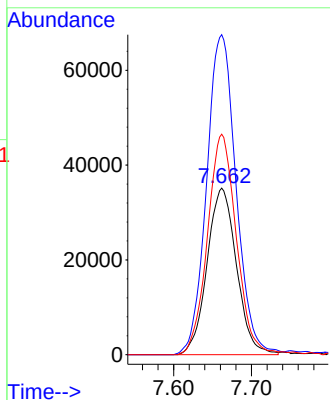
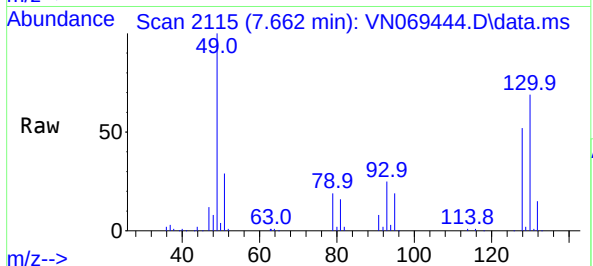
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16

Instrument :
MSVOA_N
ClientSampleId :
TWP02

Tgt Ion:128 Resp: 92275
Ion Ratio Lower Upper
128 100
49 192.7 0.0 392.3
130 129.3 0.0 320.2

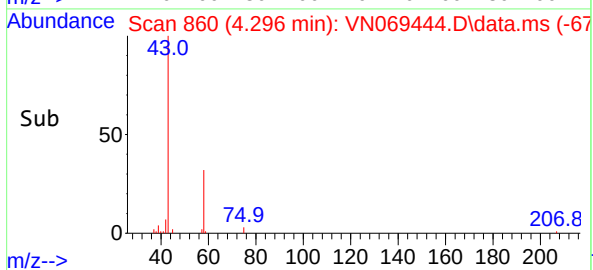
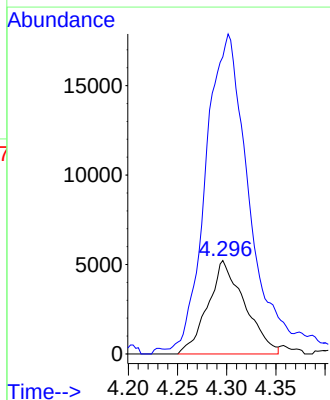
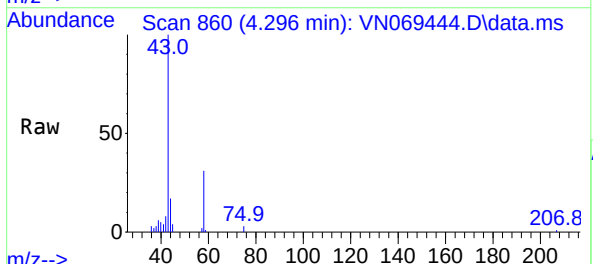
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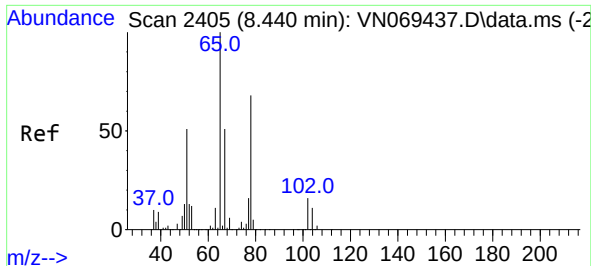
Reviewed By :John Carlone 11/11/2021
Supervised By :Semsettin Yesilyurt 11/16/2021



#15
Acetone
Concen: 11.281 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16

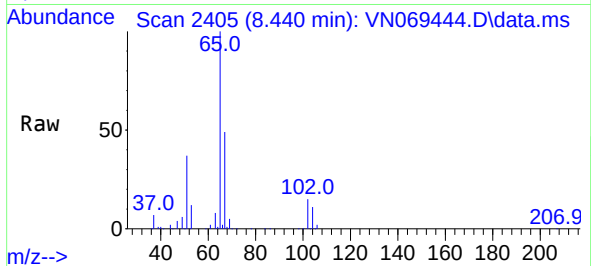
Tgt Ion: 58 Resp: 13619
Ion Ratio Lower Upper
58 100
43 305.6 256.6 384.8





#27
1,2-Dichloroethane-d4
Concen: 32.441 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16

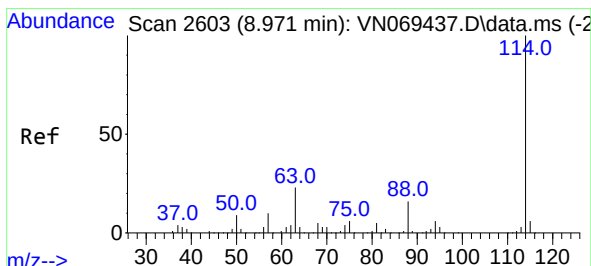
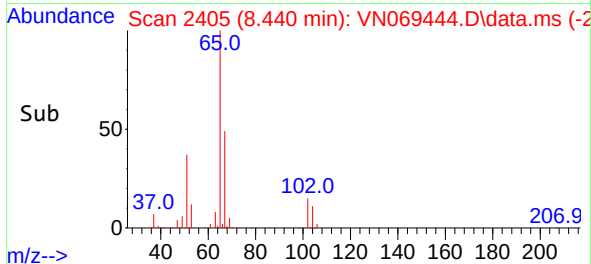
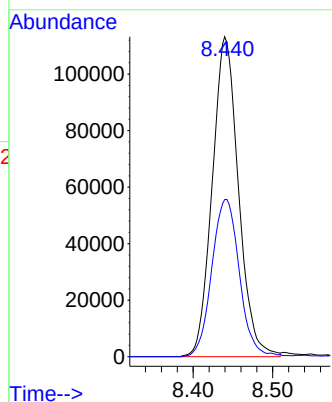
Instrument :
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Tgt Ion: 65 Resp: 259618
Ion Ratio Lower Upper
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67 51.2 40.2 60.2

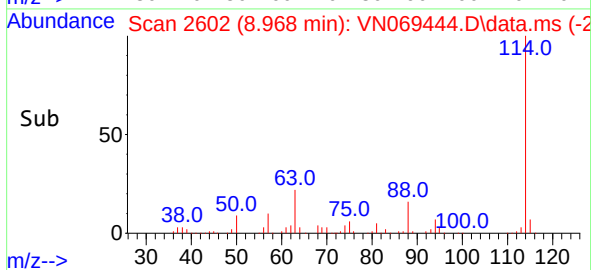
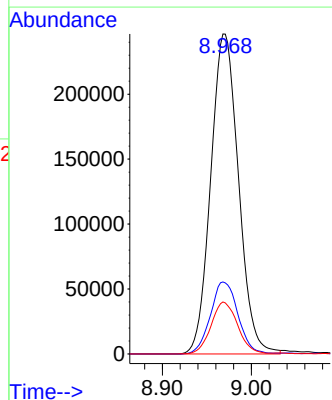
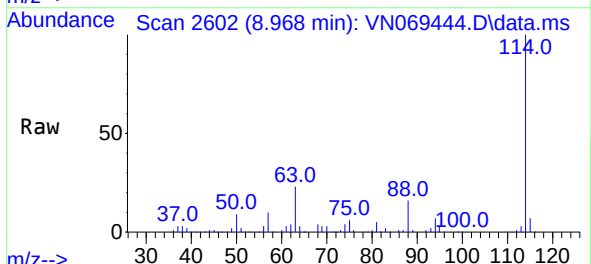
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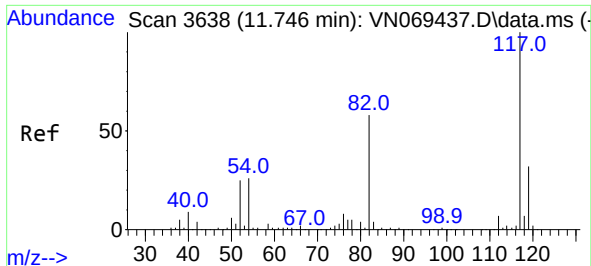
Reviewed By :John Carlone 11/11/2021
Supervised By :Semsettin Yesilyurt 11/16/2021



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16

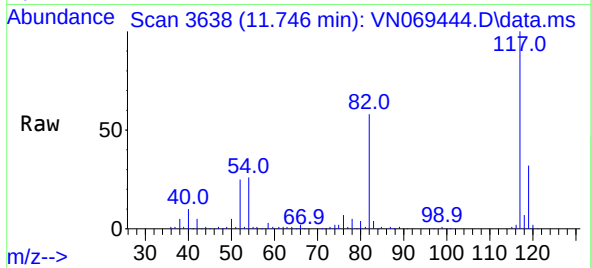
Tgt Ion:114 Resp: 534407
Ion Ratio Lower Upper
114 100
63 22.4 15.8 23.6
88 15.4 11.6 17.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16

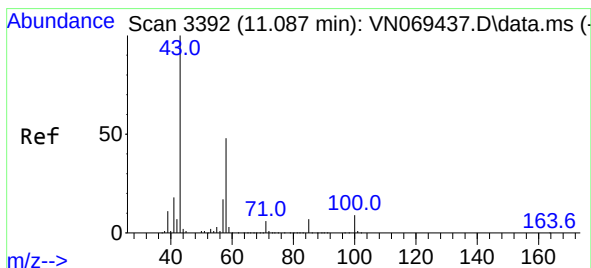
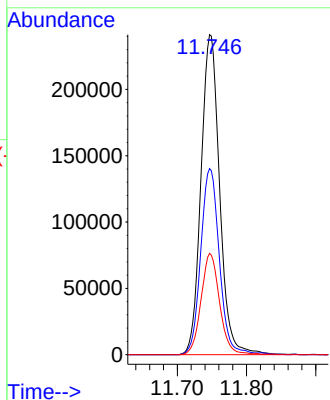
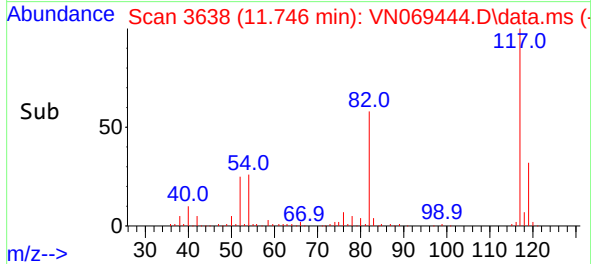
Instrument :
MSVOA_N
ClientSampleId :
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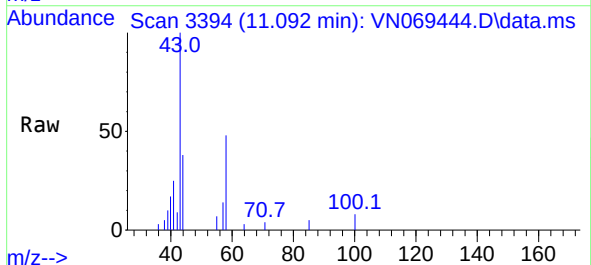
Tgt Ion: 117 Resp: 451262
Ion Ratio Lower Upper
117 100
82 58.0 43.6 65.4
119 31.3 25.8 38.6

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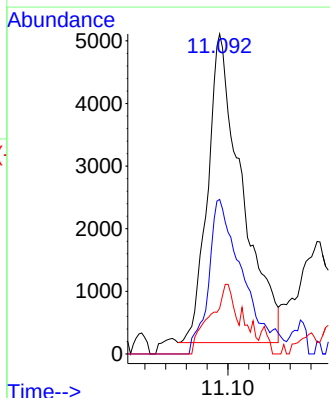
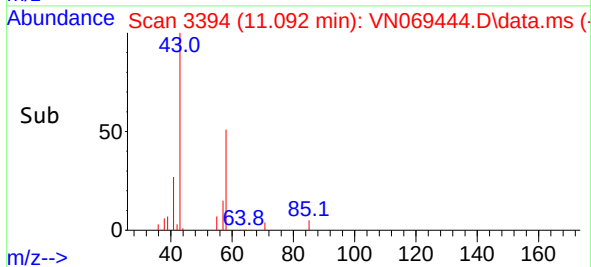
Reviewed By :John Carlone 11/11/2021
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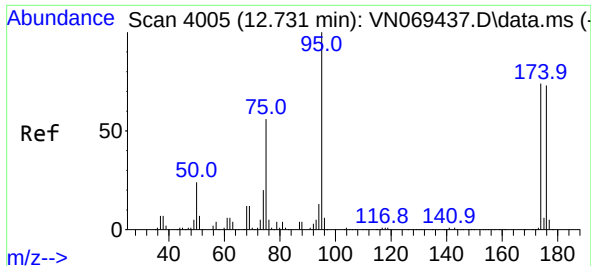


#59
2-Hexanone
Concen: 1.494 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16



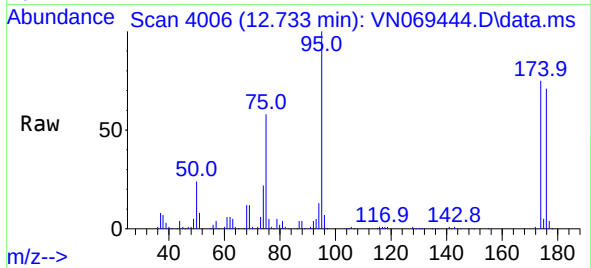
Tgt Ion: 43 Resp: 11255
Ion Ratio Lower Upper
43 100
58 46.3 42.2 63.2
57 16.1 15.0 22.4





#60
4-Bromofluorobenzene
Concen: 24.647 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16

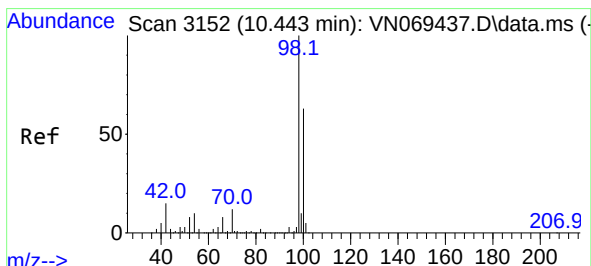
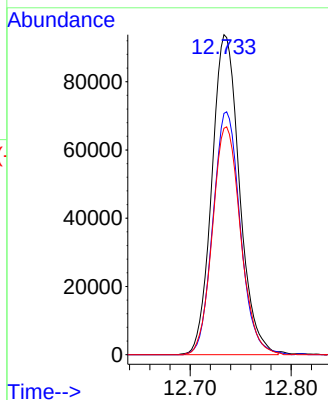
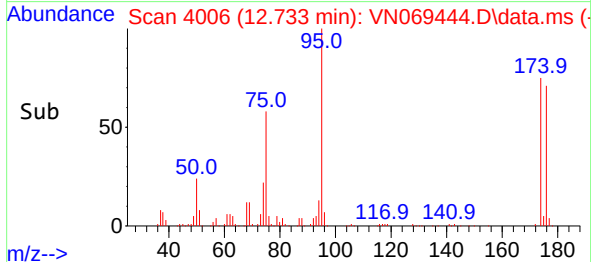
Instrument :
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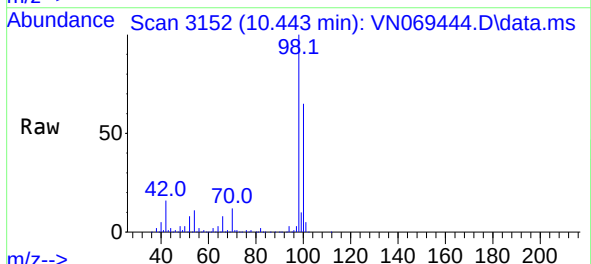
Tgt Ion: 95 Resp: 177989
Ion Ratio Lower Upper
95 100
174 75.1 62.9 94.3
176 72.4 61.0 91.4

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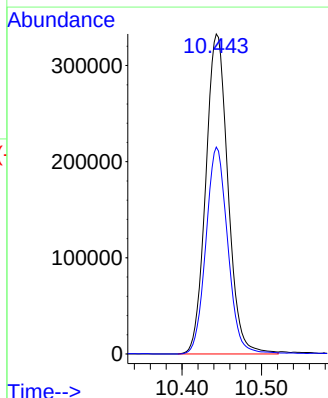
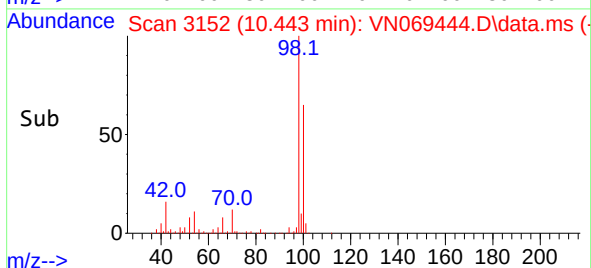
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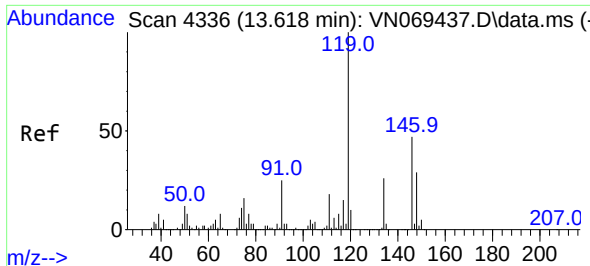


#63
Toluene-d8
Concen: 30.971 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16



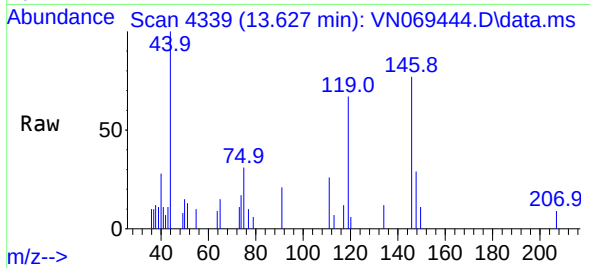
Tgt Ion: 98 Resp: 645315
Ion Ratio Lower Upper
98 100
100 63.6 50.6 76.0





#83
1,3-Dichlorobenzene
Concen: 0.351 ug/l m
RT: 13.627 min Scan# 4336
Delta R.T. 0.008 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16

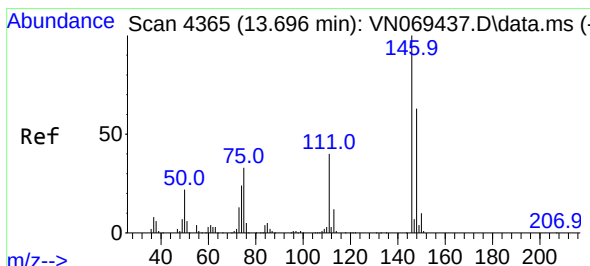
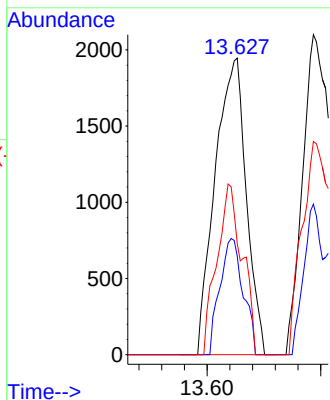
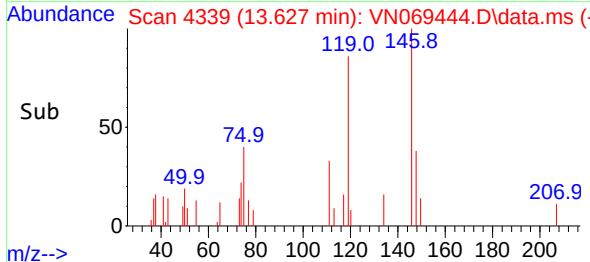
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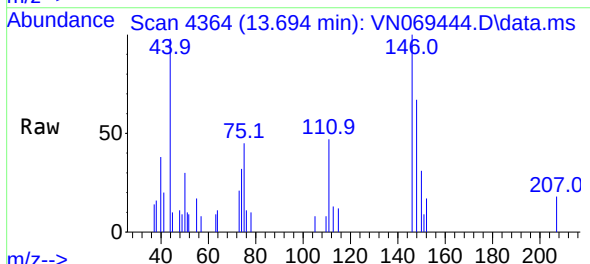
Tgt Ion:146 Resp: 3697
Ion Ratio Lower Upper
146 100
111 0.0 20.8 62.2
148 0.0 31.4 94.3

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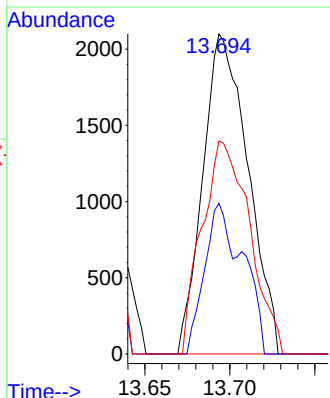
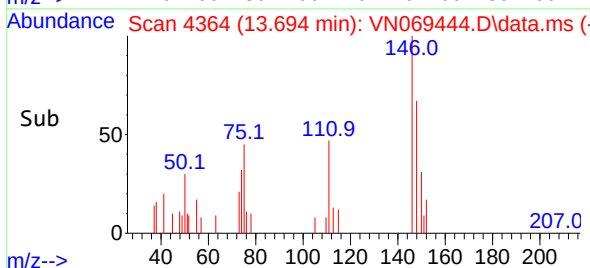
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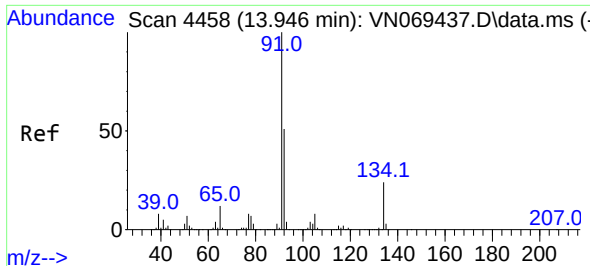


#84
1,4-Dichlorobenzene
Concen: 0.380 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.003 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16



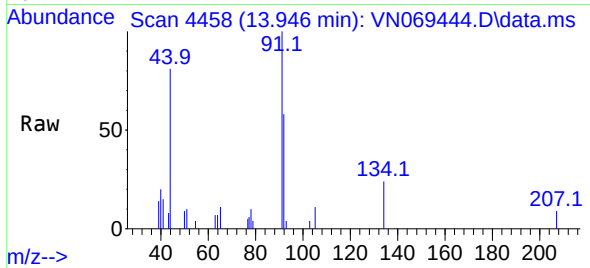
Tgt Ion:146 Resp: 3876
Ion Ratio Lower Upper
146 100
111 26.5 19.5 58.5
148 70.5 31.1 93.5





#85
n-Butylbenzene
Concen: 0.354 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16

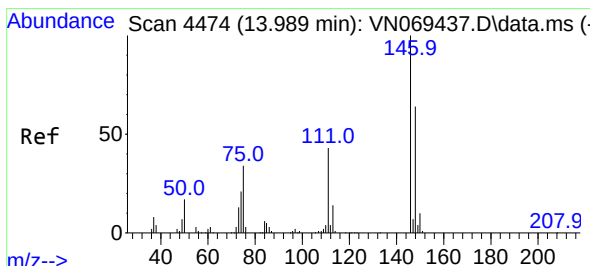
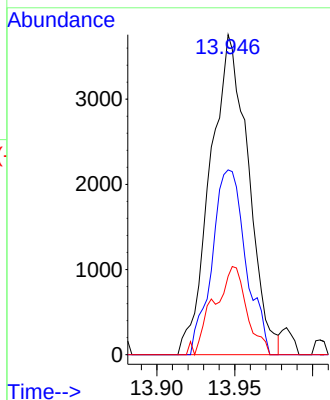
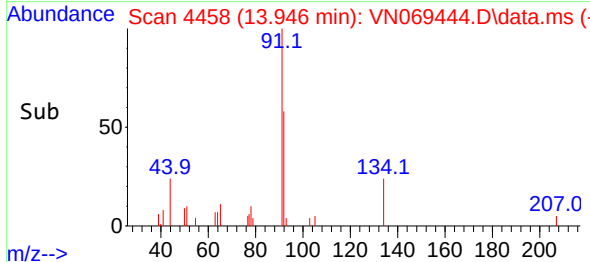
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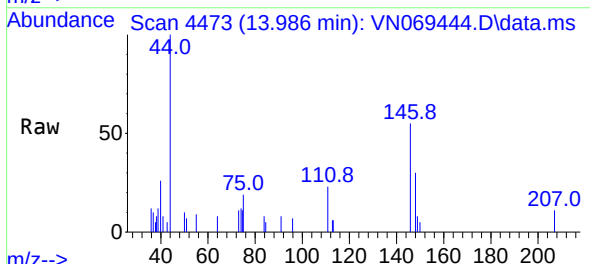
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Ion Ratio Lower Upper
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134 17.8 0.0 50.2

Manual Integrations
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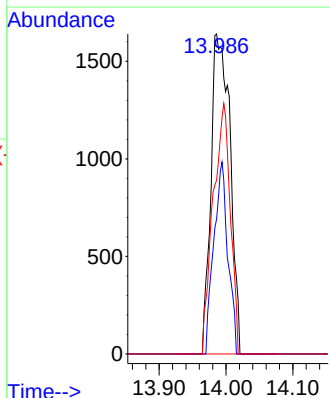
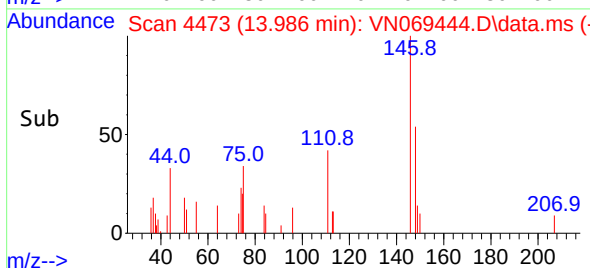
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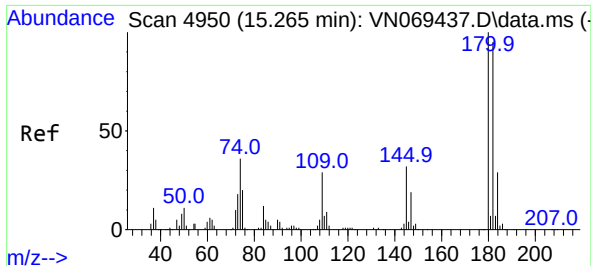


#87
1,2-Dichlorobenzene
Concen: 0.319 ug/l m
RT: 13.986 min Scan# 4473
Delta R.T. -0.005 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16



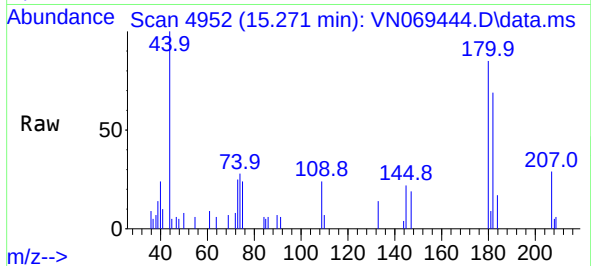
Tgt Ion:146 Resp: 3242
Ion Ratio Lower Upper
146 100
111 31.7 21.4 64.2
148 84.3 32.5 97.4





#89
1,2,4-Trichlorobenzene
Concen: 1.053 ug/l
RT: 15.271 min Scan# 4950
Delta R.T. 0.005 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16

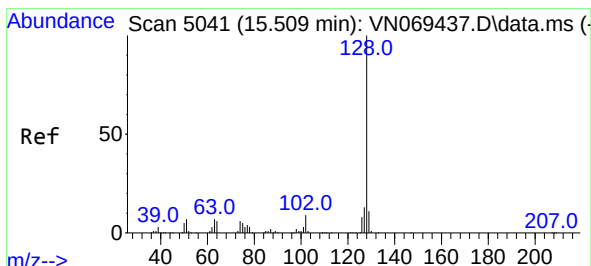
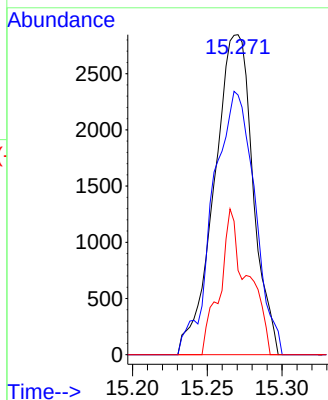
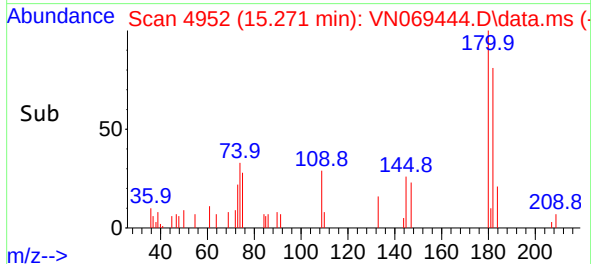
Instrument :
MSVOA_N
ClientSampleId :
TWP02



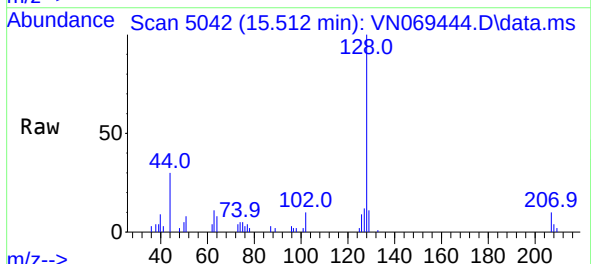
Tgt Ion:180 Resp: 5129
Ion Ratio Lower Upper
180 100
182 85.0 77.7 116.5
145 10.5 26.6 39.8

Manual Integrations
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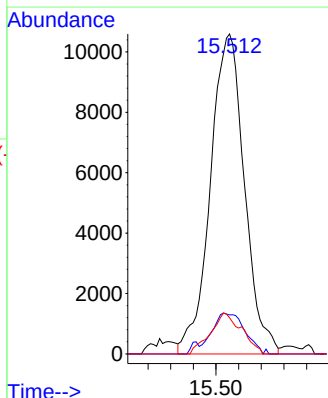
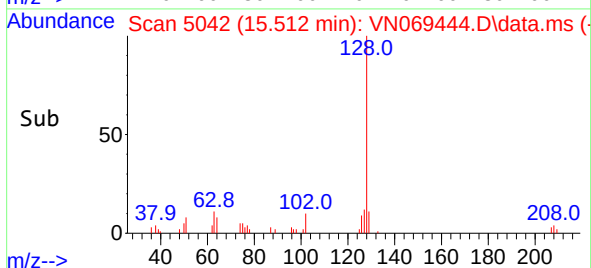
Reviewed By :John Carlone 11/11/2021
Supervised By :Semsettin Yesilyurt 11/16/2021

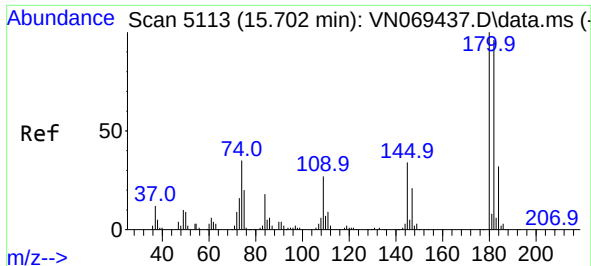


#91
Naphthalene
Concen: 1.575 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069444.D
Acq: 10 Nov 2021 16:16



Tgt Ion:128 Resp: 22093
Ion Ratio Lower Upper
128 100
127 4.9 10.7 16.1#
129 9.3 9.0 13.6





#92
 1,2,3-Trichlorobenzene
 Concen: 1.211 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN069444.D
 Acq: 10 Nov 2021 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	0.0	190.0
145	26.0	0.0	67.8

Manual Integrations
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