

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068710.D
 Acq On : 27 Sep 2021 20:09
 Operator : JC/MD
 Sample : M3895-01RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 210922099-02-VOARE

Manual Integrations
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 9/28/2021 7:05:52 PM

Quant Time: Sep 28 05:30:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:37:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	69651	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	388138	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	416363	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	181343	28.204	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.000%		
60) 4-Bromofluorobenzene	12.733	95	228066	30.640	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.133%		
63) Toluene-d8	10.440	98	500085	25.719	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	85.733%#		
Target Compounds					Qvalue	
8) Diethyl Ether	3.829	74	5188m	1.941	ug/l	
15) Acetone	4.291	58	13044	19.569	ug/l	98
24) Methyl tert-Butyl Ether	5.621	73	20164	1.347	ug/l #	75
34) Benzene	8.461	78	65500	3.244	ug/l #	66
45) 1,4-Dioxane	9.574	88	8006	85.729	ug/l #	88
58) 4-Methyl-2-Pentanone	10.330	43	25818	2.850	ug/l	92
62) Toluene	10.505	91	28106	1.057	ug/l	98
64) Chlorobenzene	11.773	112	8386	0.547	ug/l	92
67) m/p-Xylenes	11.953	106	53255	4.582	ug/l	100
68) o-Xylene	12.280	106	35260	2.929	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	14076	0.577	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	46114	2.075	ug/l #	81
84) 1,4-Dichlorobenzene	13.694	146	33169	3.087	ug/l	97

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

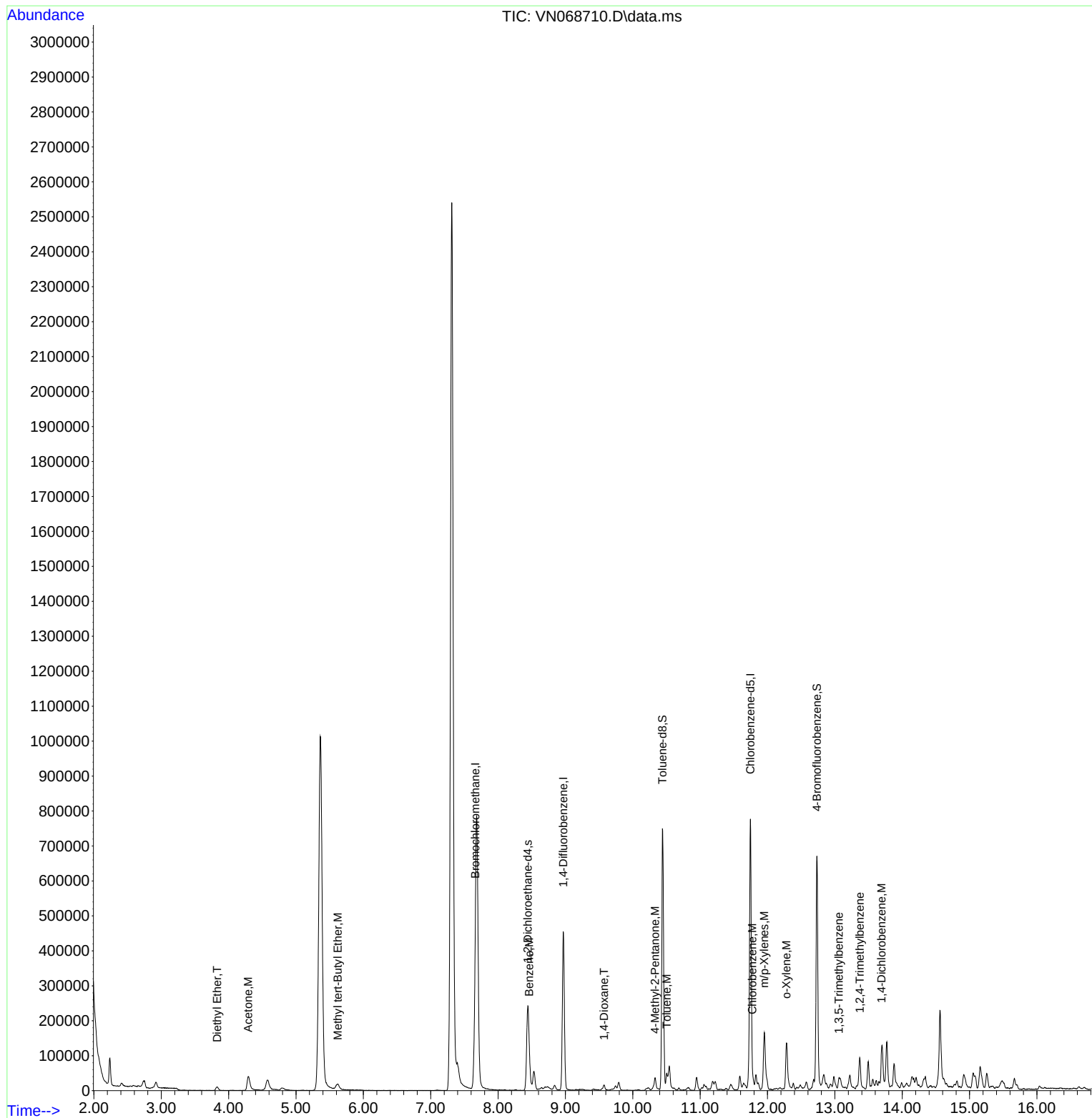
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Data File : VN068710.D
Acq On : 27 Sep 2021 20:09
Operator : JC/MD
Sample : M3895-01RE
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

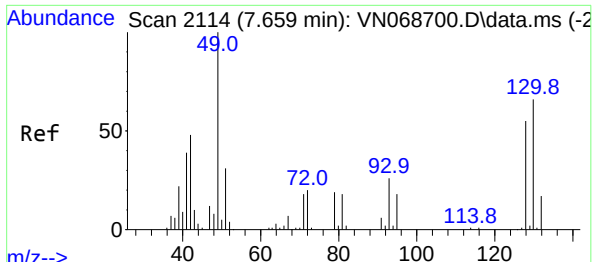
Instrument :
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ClientSampleId :
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Quant Time: Sep 28 05:30:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 27 14:37:57 2021
Response via : Initial Calibration





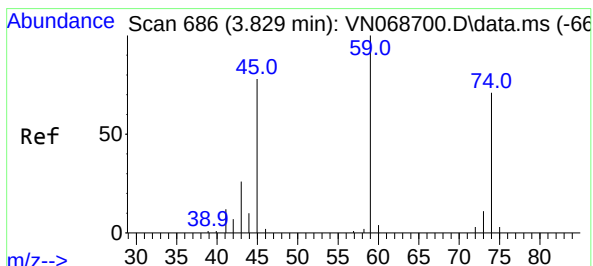
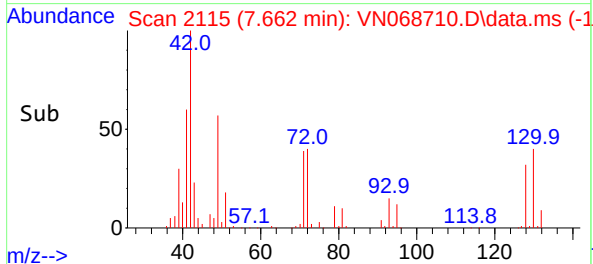
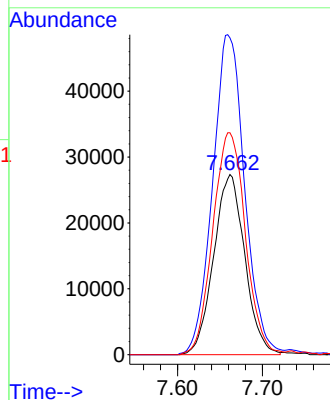
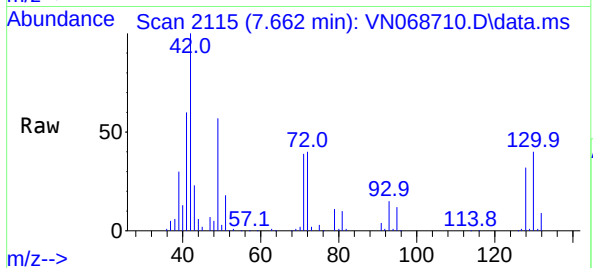
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion: 128 Resp: 69651
Ion Ratio Lower Upper
128 100
49 182.5 0.0 450.0
130 129.2 0.0 319.5

Instrument :
MSVOA_N
ClientSampleId :
210922099-02-VOARE

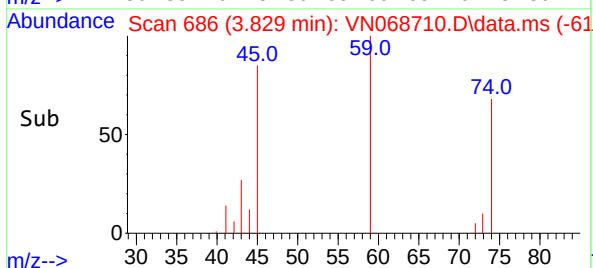
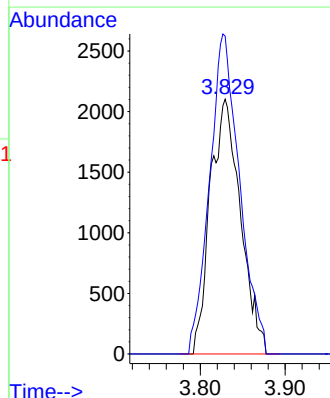
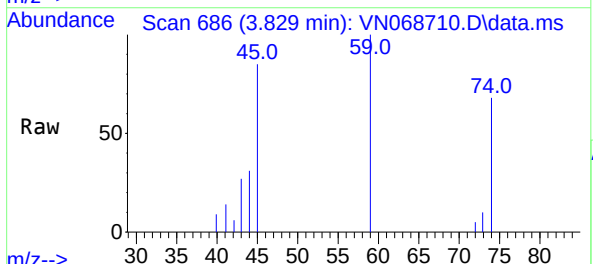
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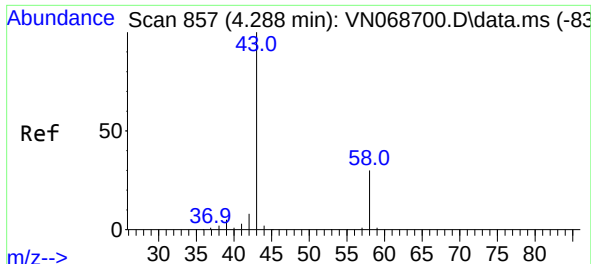
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#8
Diethyl Ether
Concen: 1.941 ug/l m
RT: 3.829 min Scan# 686
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion: 74 Resp: 5188
Ion Ratio Lower Upper
74 100
45 124.8 21.2 191.0





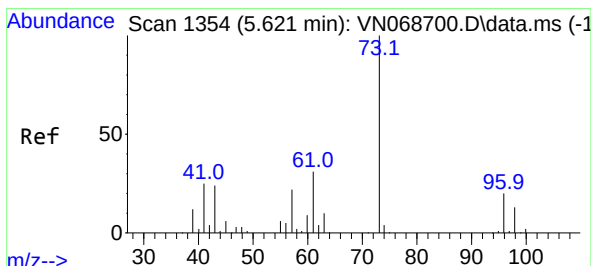
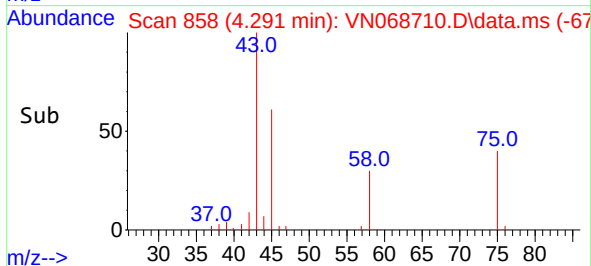
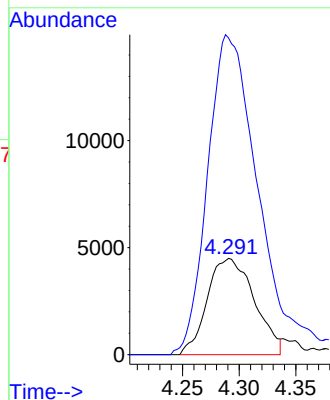
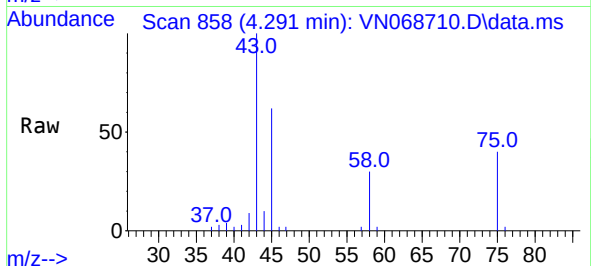
#15
Acetone
Concen: 19.569 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion: 58 Resp: 13044
Ion Ratio Lower Upper
58 100
43 321.6 261.0 391.4

Instrument :
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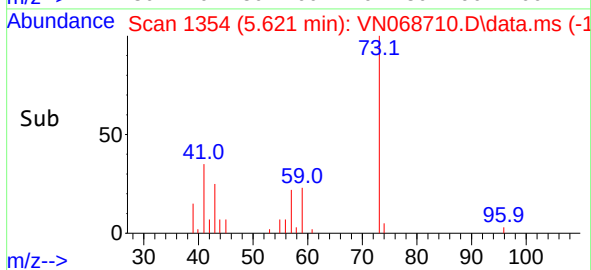
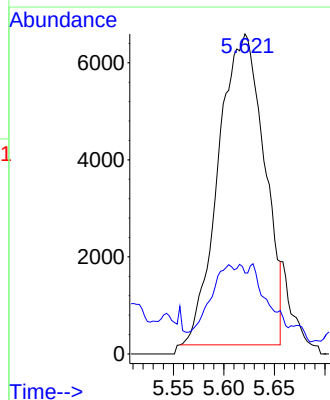
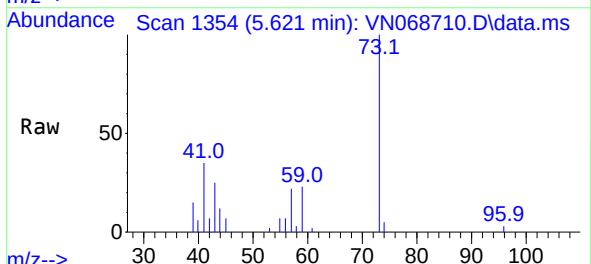
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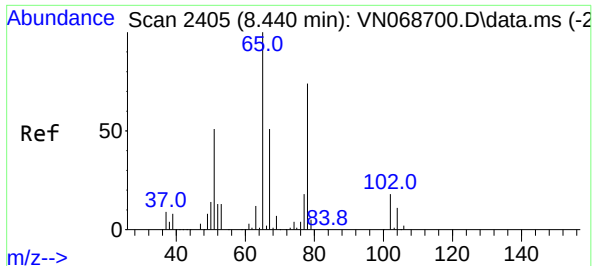
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#24
Methyl tert-Butyl Ether
Concen: 1.347 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion: 73 Resp: 20164
Ion Ratio Lower Upper
73 100
43 10.3 17.7 26.5#





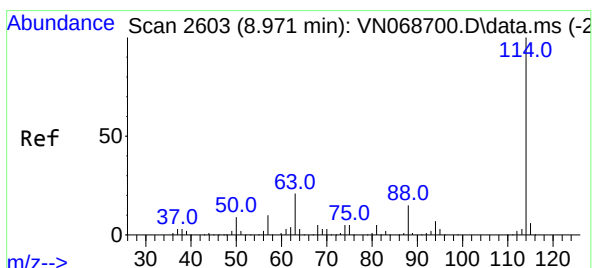
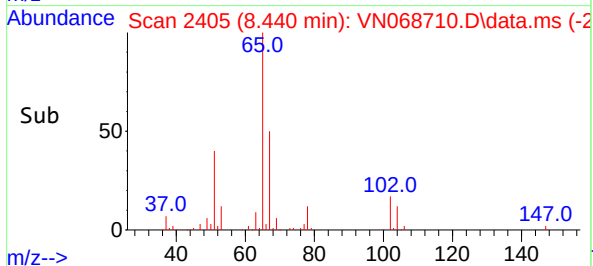
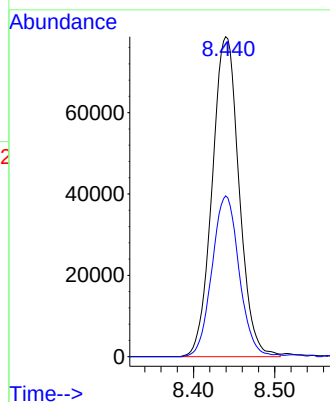
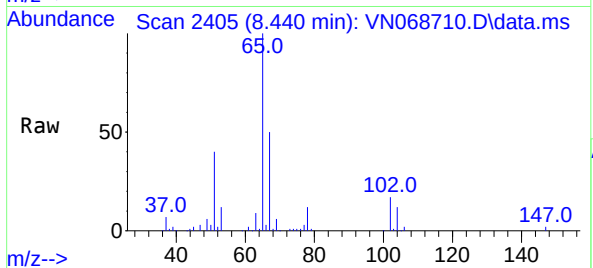
#27
1,2-Dichloroethane-d4
Concen: 28.204 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion: 65 Resp: 181343
Ion Ratio Lower Upper
65 100
67 50.5 41.0 61.6

Instrument :
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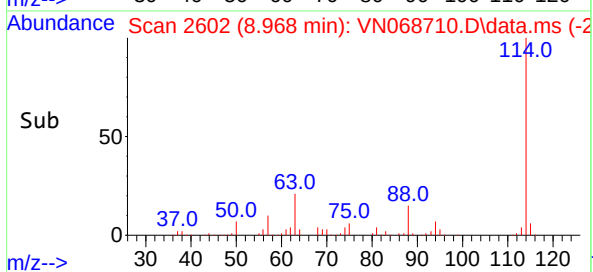
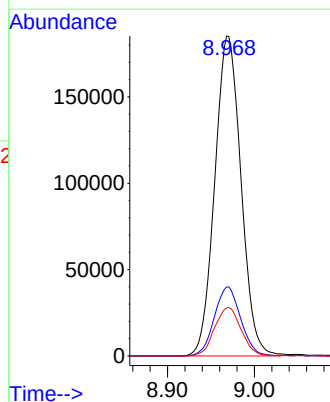
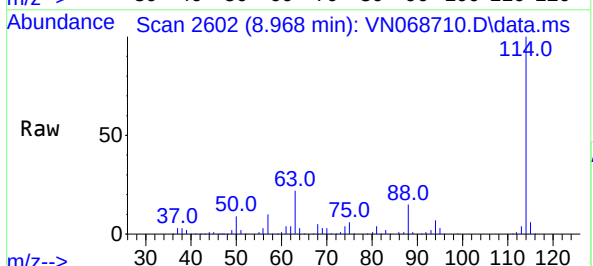
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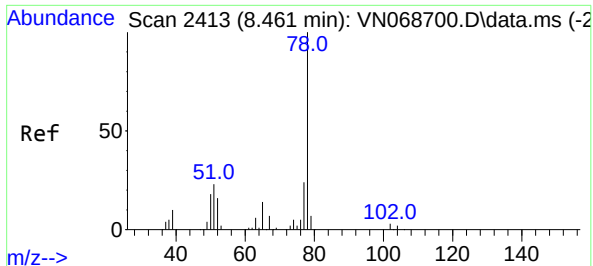
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#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

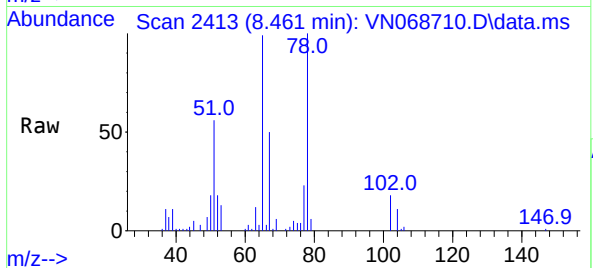
Tgt Ion: 114 Resp: 388138
Ion Ratio Lower Upper
114 100
63 21.8 17.1 25.7
88 15.3 12.2 18.4





#34
Benzene
Concen: 3.244 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

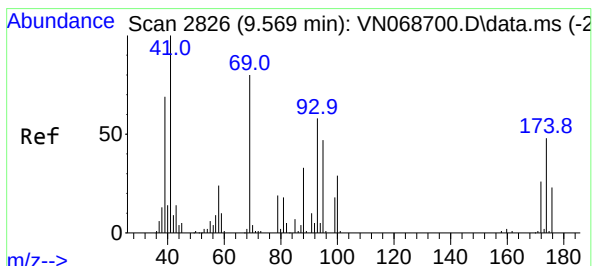
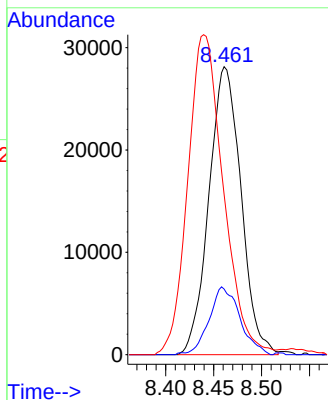
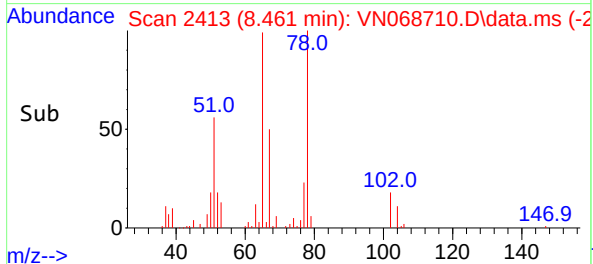
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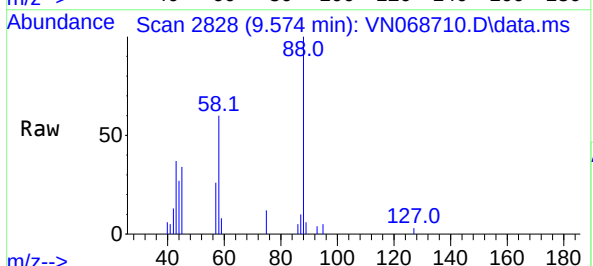
Tgt Ion: 78 Resp: 65500
Ion Ratio Lower Upper
78 100
77 22.2 19.1 28.7
51 53.9 17.2 25.8#

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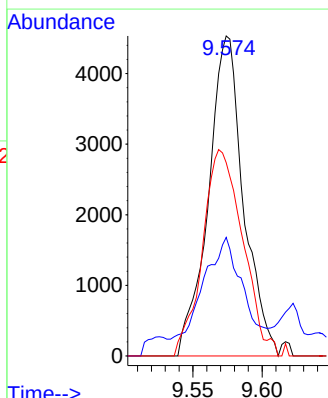
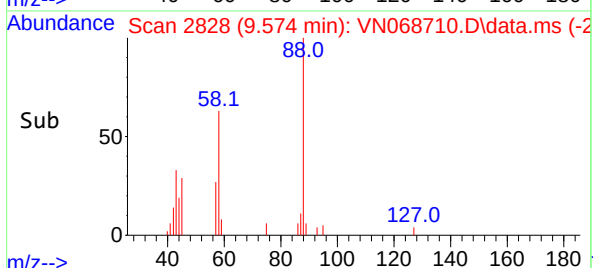
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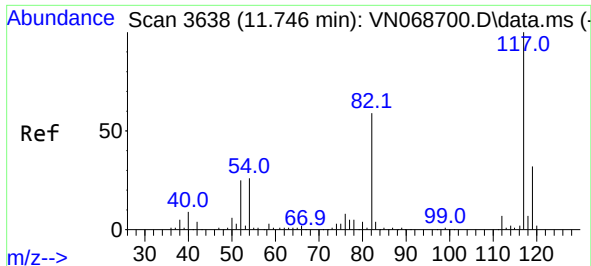


#45
1,4-Dioxane
Concen: 85.729 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.005 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09



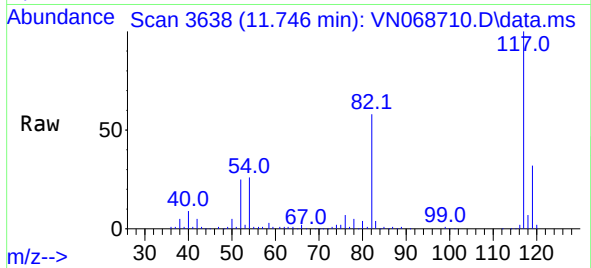
Tgt Ion: 88 Resp: 8006
Ion Ratio Lower Upper
88 100
43 19.8 27.3 40.9#
58 72.9 55.0 82.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

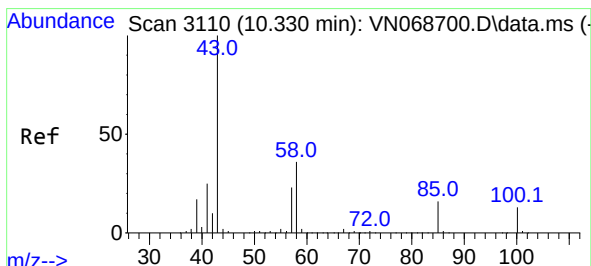
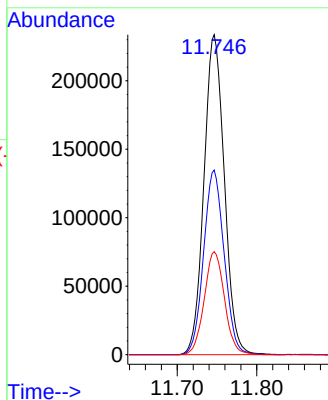
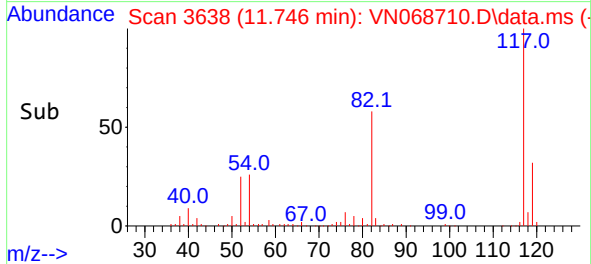
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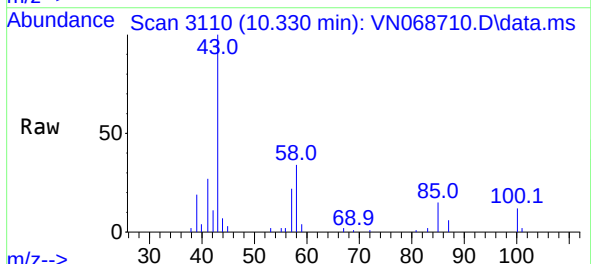
Tgt Ion: 117 Resp: 416363
Ion Ratio Lower Upper
117 100
82 58.3 44.6 66.8
119 32.1 25.7 38.5

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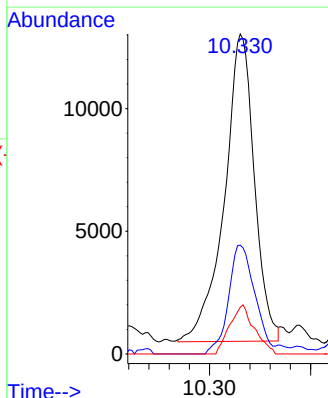
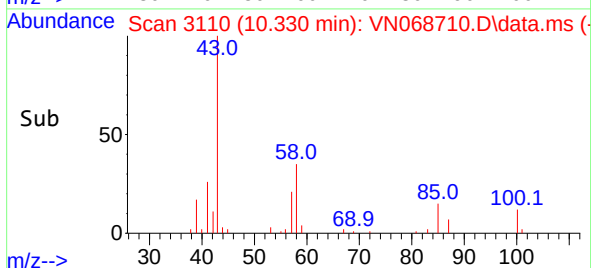
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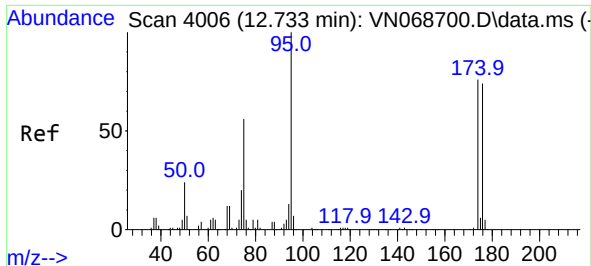


#58
4-Methyl-2-Pentanone
Concen: 2.850 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09



Tgt Ion: 43 Resp: 25818
Ion Ratio Lower Upper
43 100
58 31.0 28.5 42.7
85 13.1 12.8 19.2





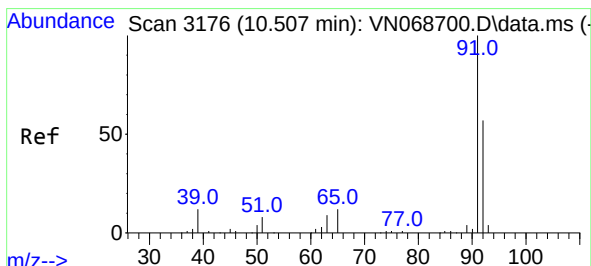
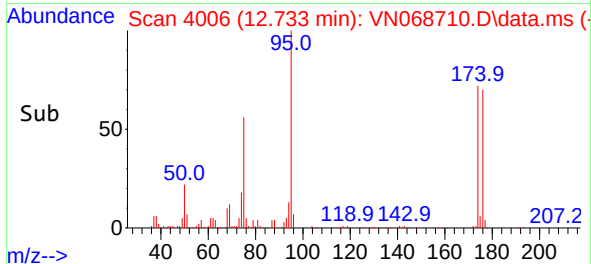
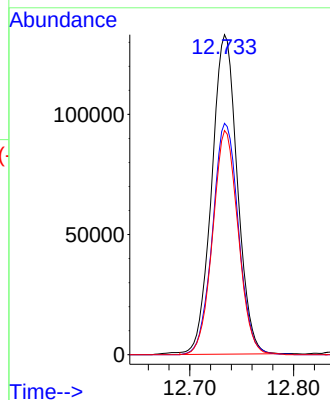
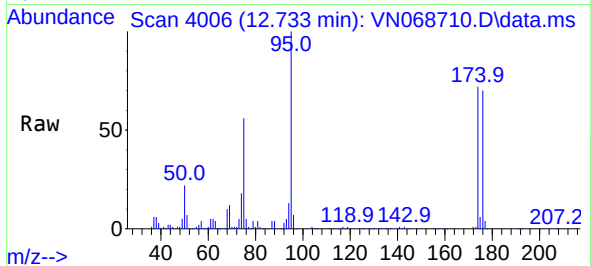
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4-Bromofluorobenzene
Concen: 30.640 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion: 95 Resp: 228066
Ion Ratio Lower Upper
95 100
174 73.4 63.0 94.6
176 69.7 60.6 90.8

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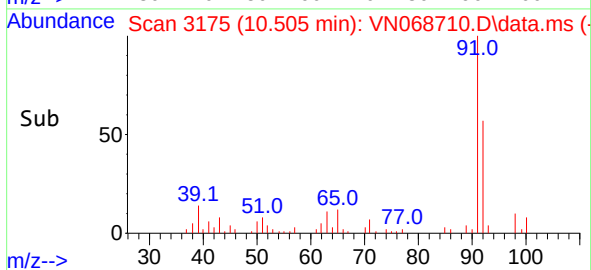
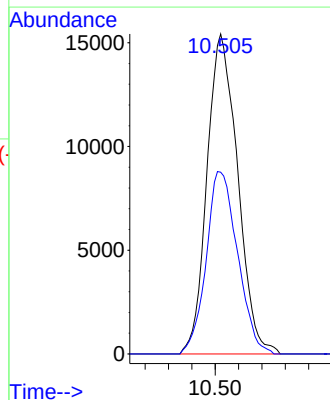
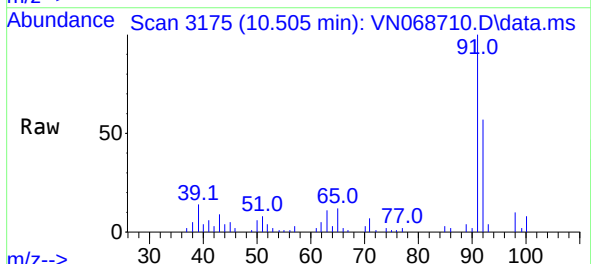
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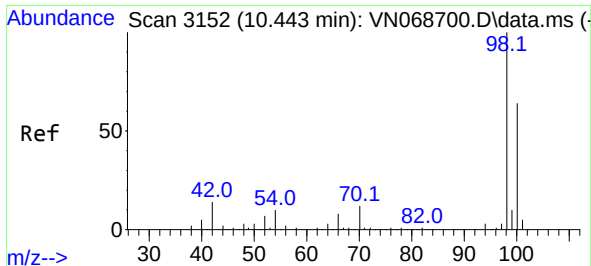
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#62
Toluene
Concen: 1.057 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion: 91 Resp: 28106
Ion Ratio Lower Upper
91 100
92 58.4 45.7 68.5





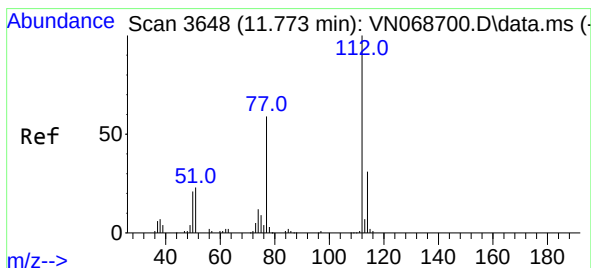
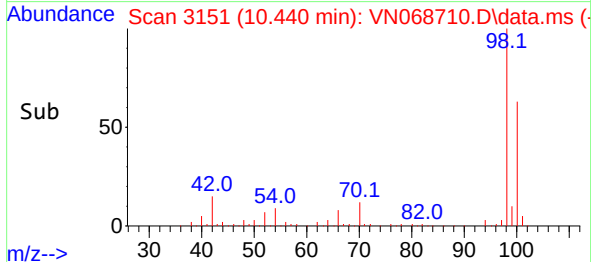
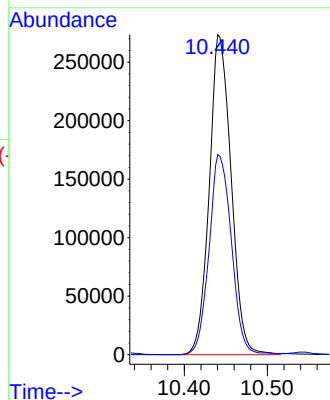
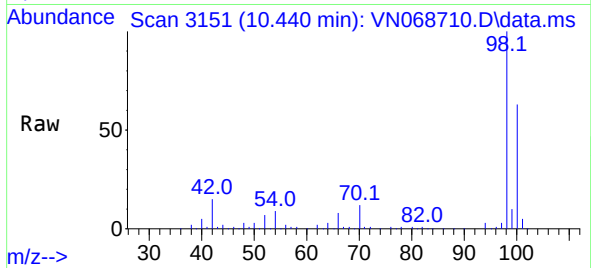
#63
Toluene-d8
Concen: 25.719 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion: 98 Resp: 500085
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.2

Instrument :
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ClientSampleId :
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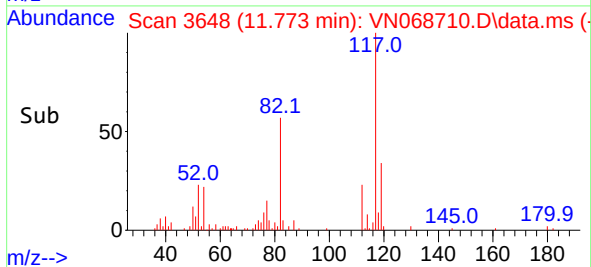
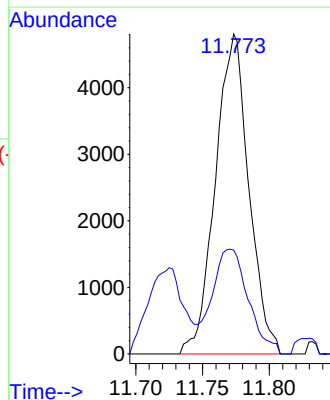
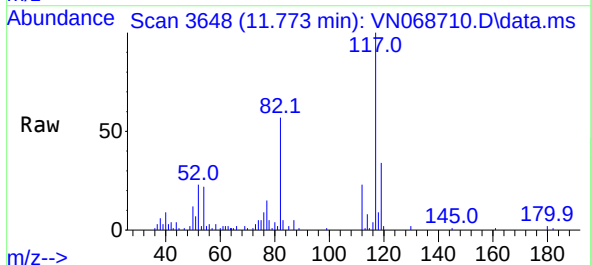
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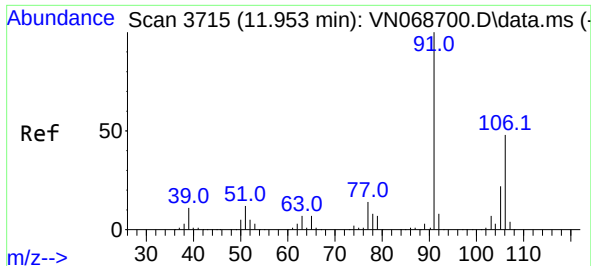
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#64
Chlorobenzene
Concen: 0.547 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion: 112 Resp: 8386
Ion Ratio Lower Upper
112 100
114 35.8 25.2 37.8





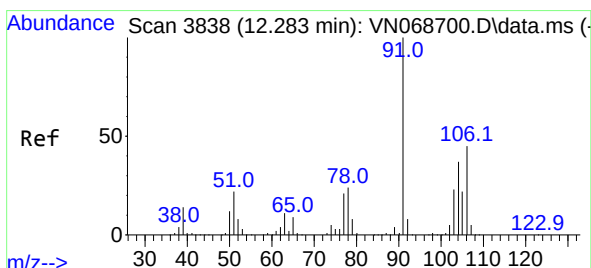
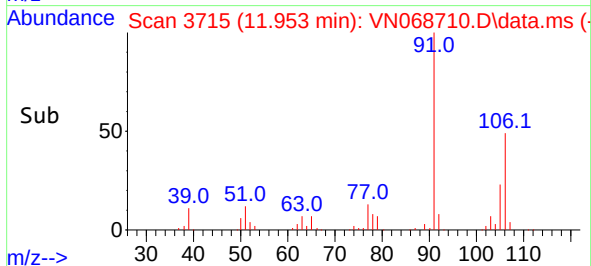
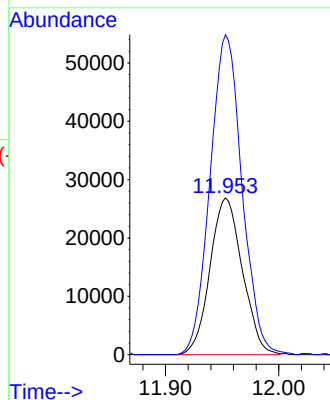
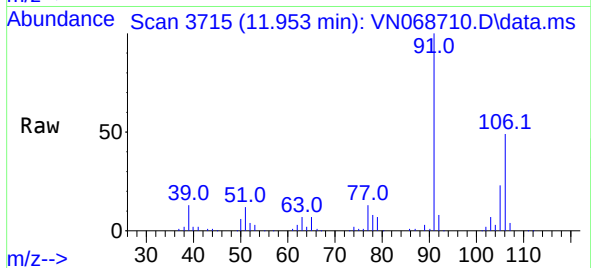
#67
m/p-Xylenes
Concen: 4.582 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion:106 Resp: 53255
Ion Ratio Lower Upper
106 100
91 201.6 161.8 242.6

Instrument :
MSVOA_N
ClientSampleId :
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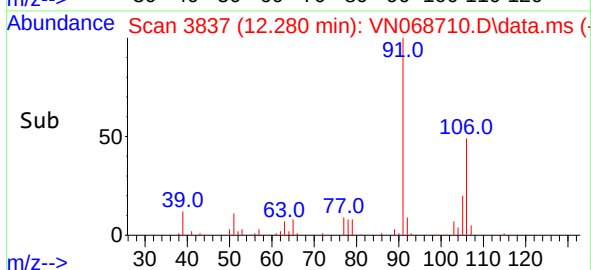
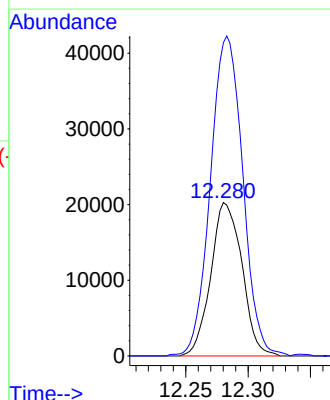
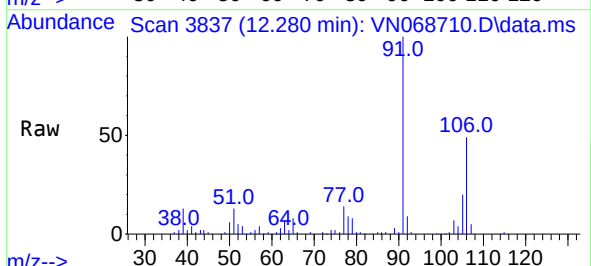
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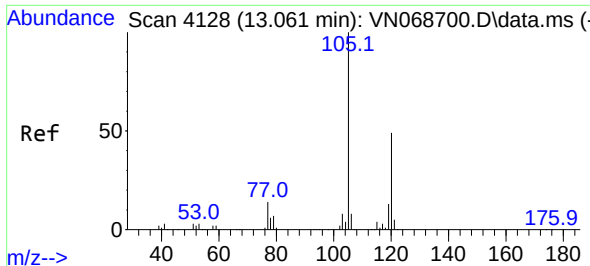
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#68
o-Xylene
Concen: 2.929 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion:106 Resp: 35260
Ion Ratio Lower Upper
106 100
91 216.3 105.9 317.7





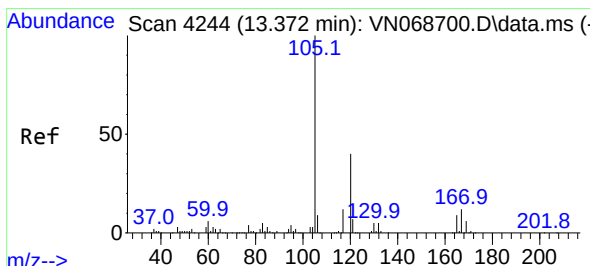
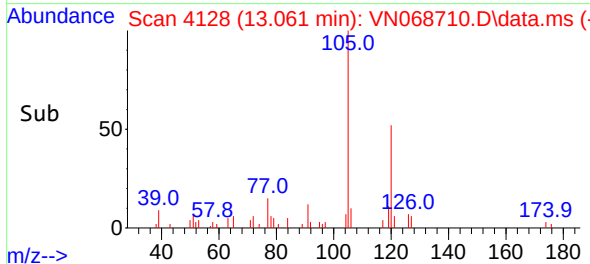
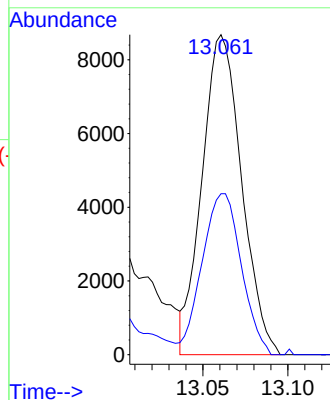
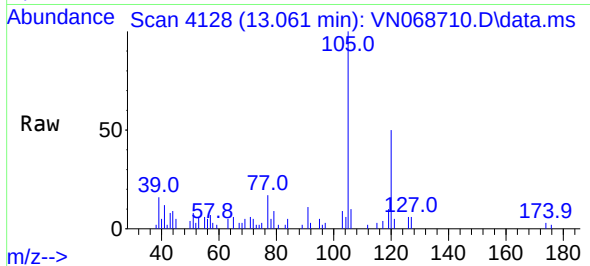
#76
1,3,5-Trimethylbenzene
Concen: 0.577 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion:105 Resp: 14076
Ion Ratio Lower Upper
105 100
120 50.1 0.0 98.0

Instrument :
MSVOA_N
ClientSampleId :
210922099-02-VOARE

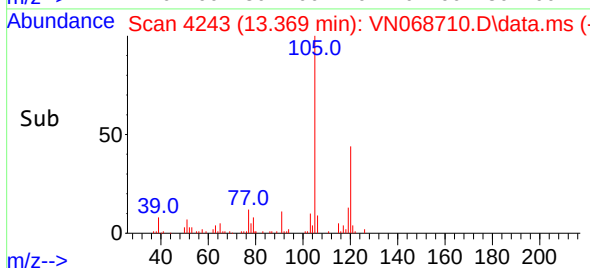
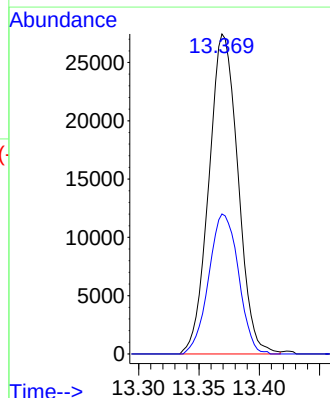
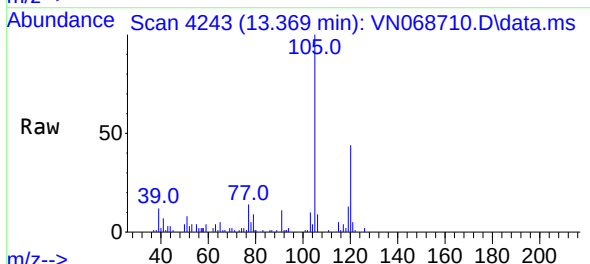
Manual Integrations
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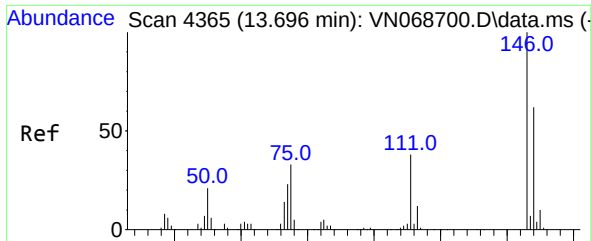
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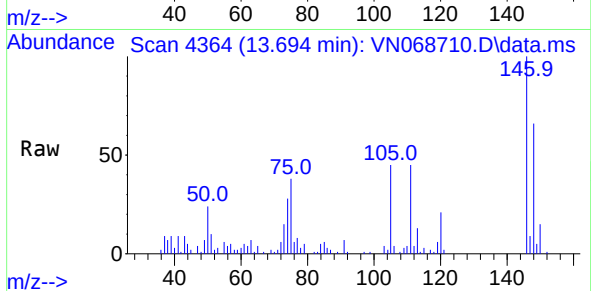
#80
1,2,4-Trimethylbenzene
Concen: 2.075 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.003 min
Lab File: VN068710.D
Acq: 27 Sep 2021 20:09

Tgt Ion:105 Resp: 46114
Ion Ratio Lower Upper
105 100
120 44.6 0.0 0.2#

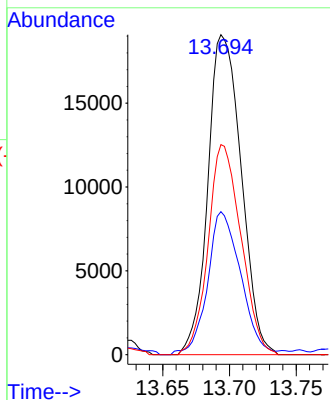
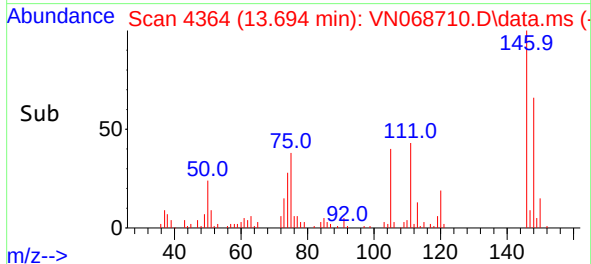




#84
 1,4-Dichlorobenzene
 Concen: 3.087 ug/l
 RT: 13.694 min Scan# 4364
 Delta R.T. -0.003 min
 Lab File: VN068710.D
 Acq: 27 Sep 2021 20:09



Tgt Ion:	146	Resp:	33169
Ion	Ratio	Lower	Upper
146	100		
111	43.1	19.6	58.8
148	64.6	31.8	95.4



Instrument :
 MSVOA_N
 ClientSampleId :
 210922099-02-VOARE

Manual Integrations
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