

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068696.D
 Acq On : 26 Sep 2021 5:19
 Operator : JC/MD
 Sample : M3895-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 210922099-02-VOA

Manual Integrations
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 9/27/2021 11:01:43 AM

Quant Time: Sep 27 07:24:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 07:10:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	72460	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	413896	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	360361	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	197422	33.140	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.467%#			
60) 4-Bromofluorobenzene	12.731	95	153222	27.834	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.767%			
63) Toluene-d8	10.443	98	496945	31.160	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.867%			
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.821	74	5424m	2.081	ug/l	
15) Acetone	4.293	58	15072	25.592	ug/l	93
23) tert-Butyl Alcohol	5.363	59	1851308	2318.765	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	22837	1.610	ug/l #	72
34) Benzene	8.467	78	64898	3.178	ug/l #	84
45) 1,4-Dioxane	9.577	88	6056m	69.469	ug/l	
58) 4-Methyl-2-Pentanone	10.330	43	24856	3.536	ug/l	96
62) Toluene	10.507	91	27202	1.382	ug/l	98
64) Chlorobenzene	11.773	112	7701	0.611	ug/l	99
67) m/p-Xylenes	11.956	106	60828	7.111	ug/l	95
68) o-Xylene	12.283	106	34922	4.211	ug/l	95
70) Isopropylbenzene	12.581	105	5876	0.277	ug/l	94
76) 1,3,5-Trimethylbenzene	13.061	105	13210	0.777	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	43482	2.700	ug/l #	80
82) p-Isopropyltoluene	13.616	119	4754	0.296	ug/l	90
84) 1,4-Dichlorobenzene	13.696	146	29949	3.935	ug/l	97

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

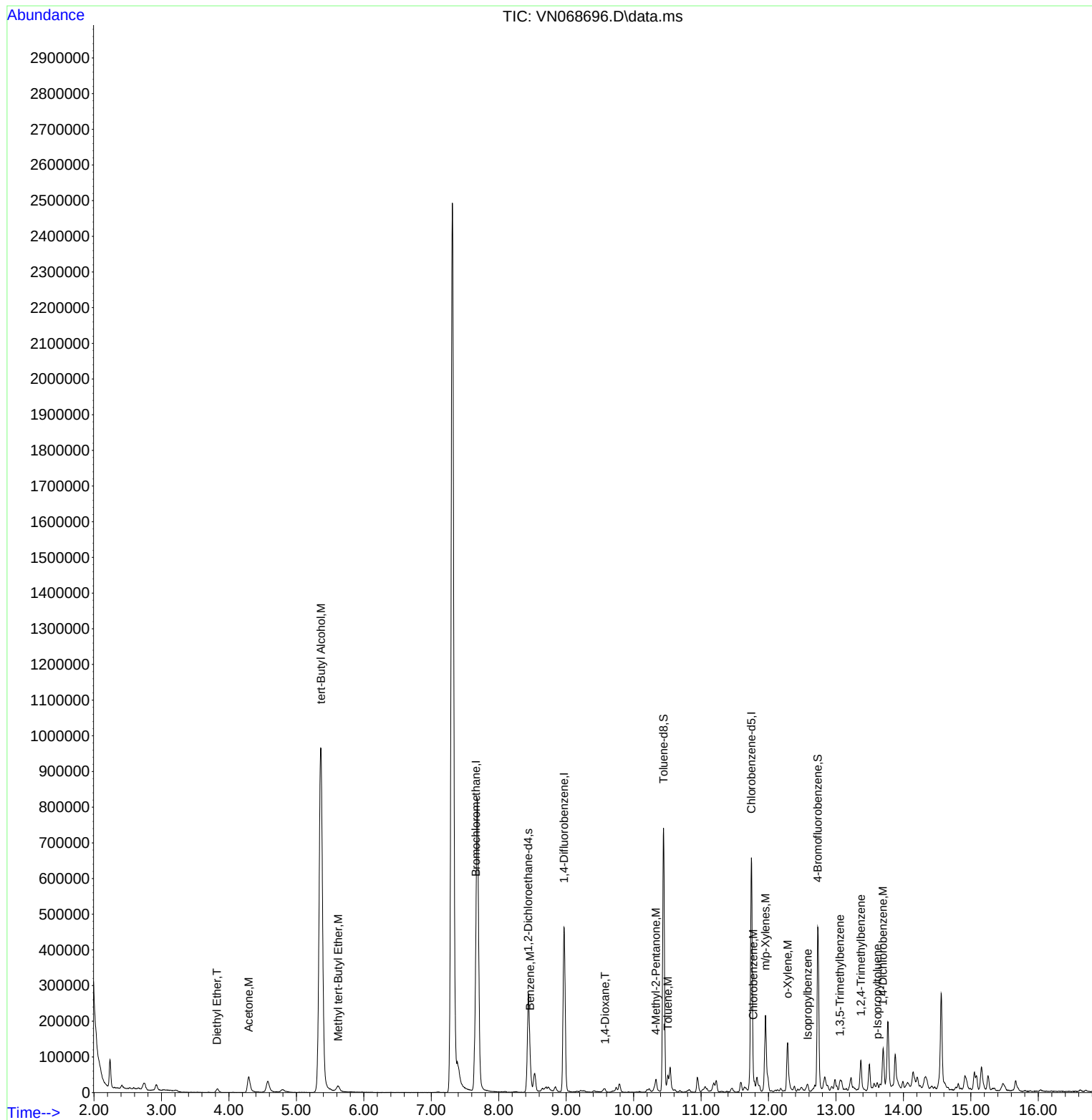
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Data File : VN068696.D
Acq On : 26 Sep 2021 5:19
Operator : JC/MD
Sample : M3895-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

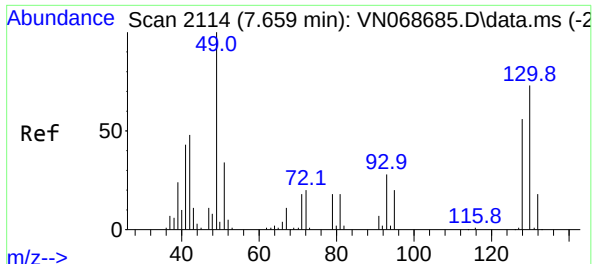
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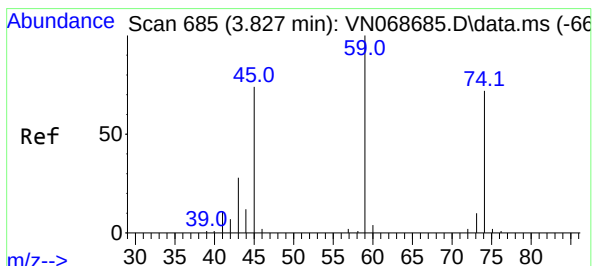
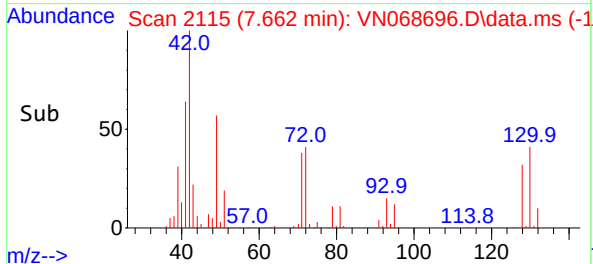
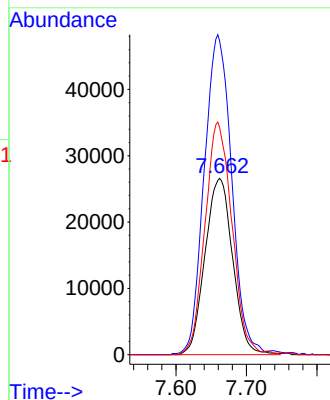
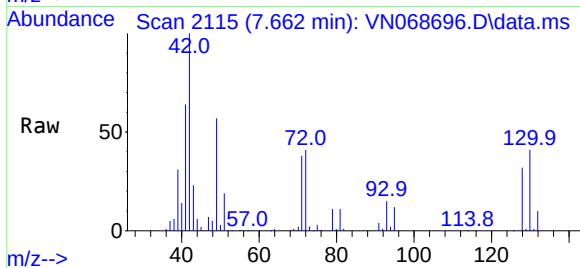
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion: 128 Resp: 72460
Ion Ratio Lower Upper
128 100
49 177.9 0.0 450.0
130 128.6 0.0 319.5

Instrument :
MSVOA_N
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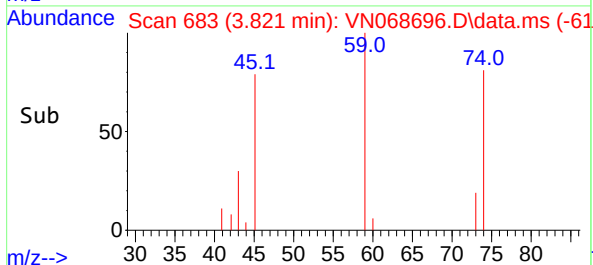
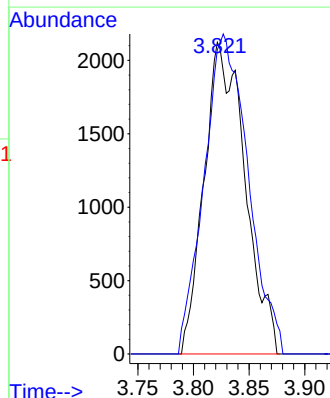
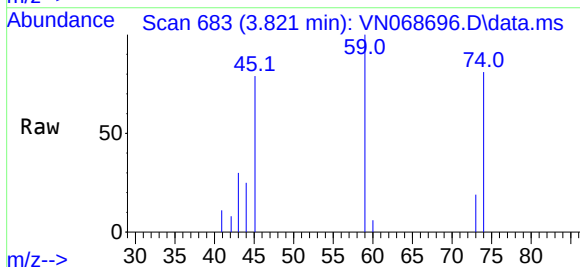
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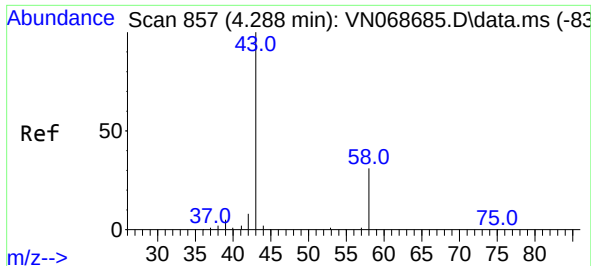
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#8
Diethyl Ether
Concen: 2.081 ug/l m
RT: 3.821 min Scan# 683
Delta R.T. -0.005 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion: 74 Resp: 5424
Ion Ratio Lower Upper
74 100
45 110.5 21.2 191.0





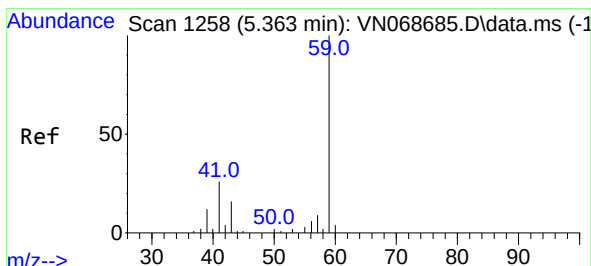
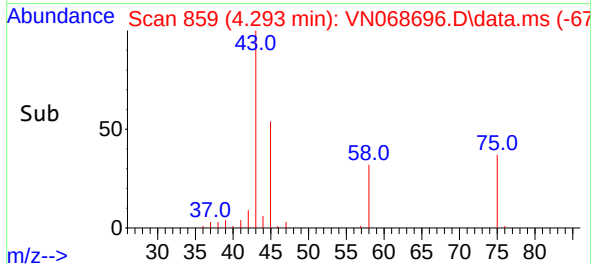
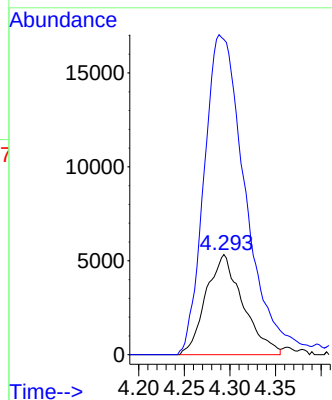
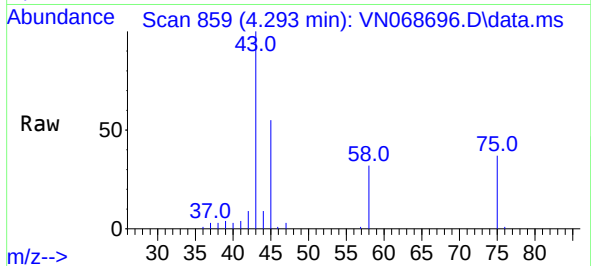
#15
Acetone
Concen: 25.592 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

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Tgt Ion: 58 Resp: 15072
Ion Ratio Lower Upper
58 100
43 310.7 261.0 391.4

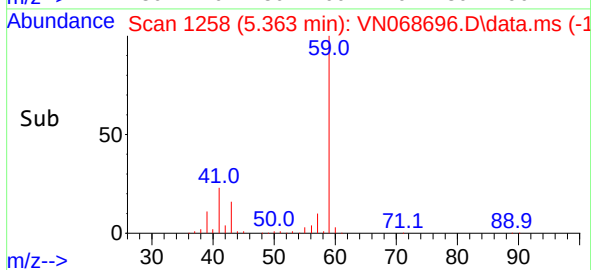
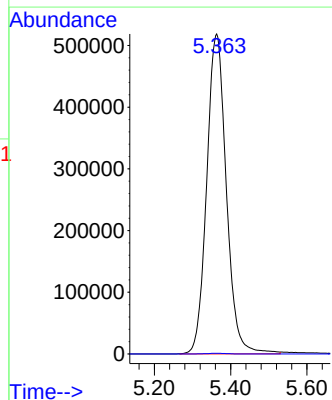
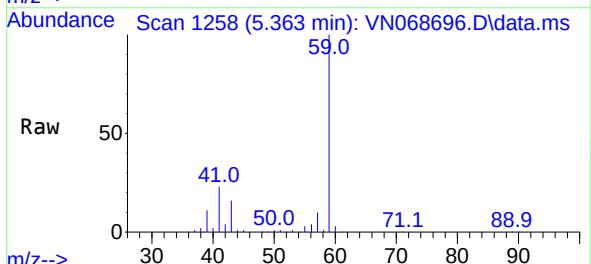
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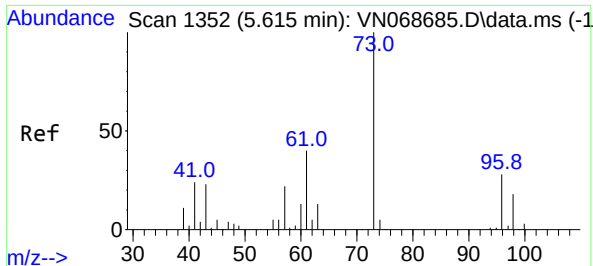
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#23
tert-Butyl Alcohol
Concen: 2318.765 ug/l
RT: 5.363 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion: 59 Resp: 1851308
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0#





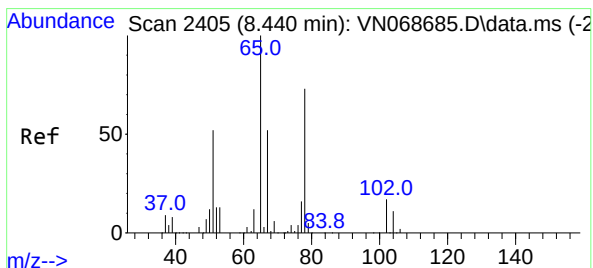
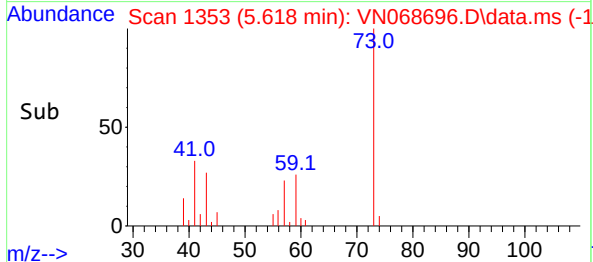
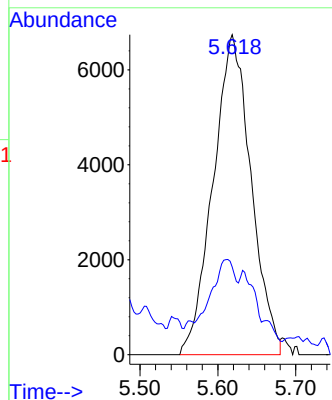
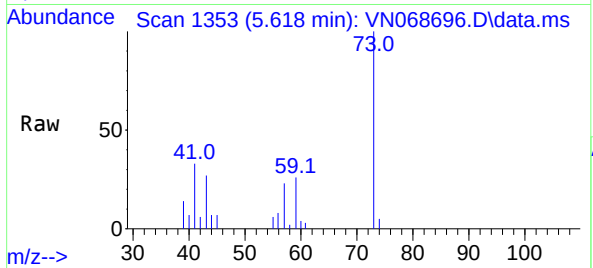
#24
Methyl tert-Butyl Ether
Concen: 1.610 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.003 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion: 73 Resp: 22837
Ion Ratio Lower Upper
73 100
43 8.6 17.7 26.5#

Instrument :
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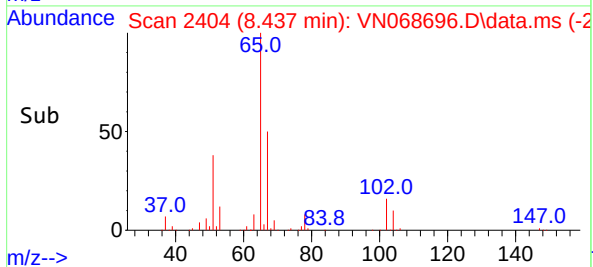
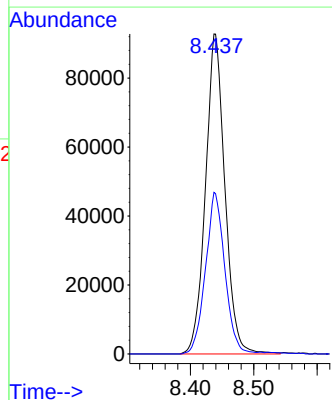
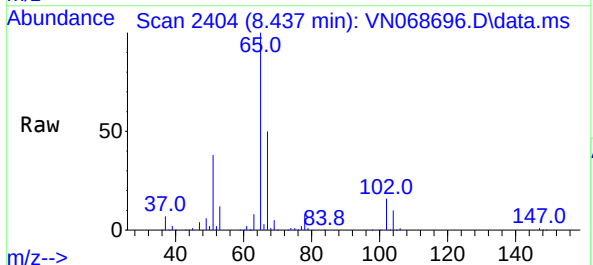
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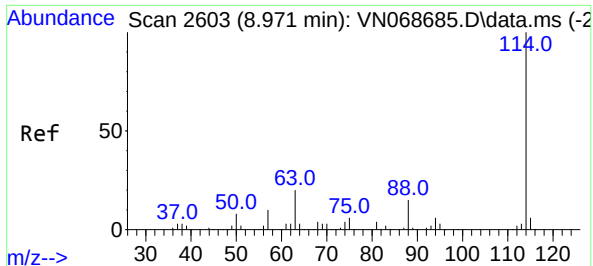
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#27
1,2-Dichloroethane-d4
Concen: 33.140 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion: 65 Resp: 197422
Ion Ratio Lower Upper
65 100
67 50.2 41.0 61.6





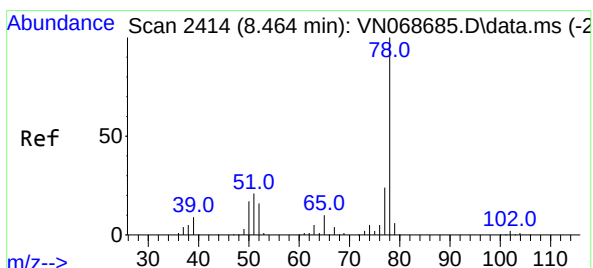
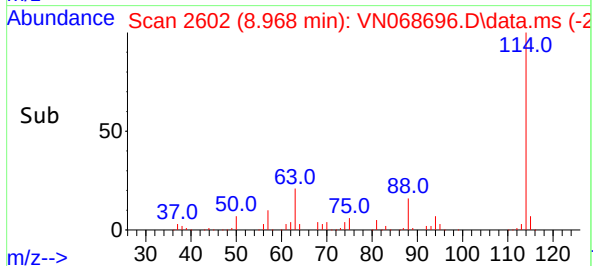
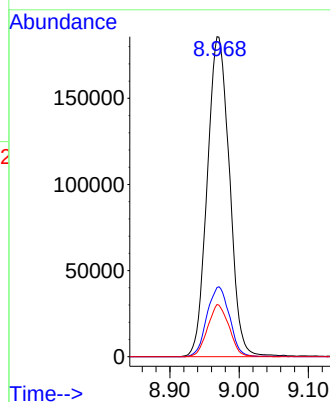
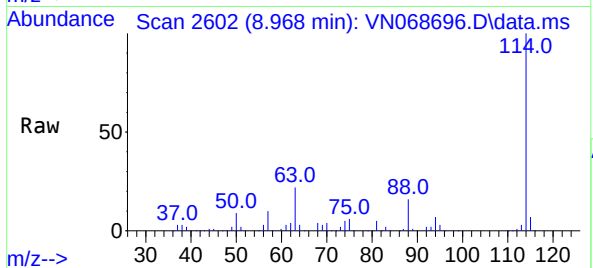
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion:	114	Resp:	413896
Ion Ratio	Lower	Upper	
114	100		
63	22.1	17.1	25.7
88	15.7	12.2	18.4

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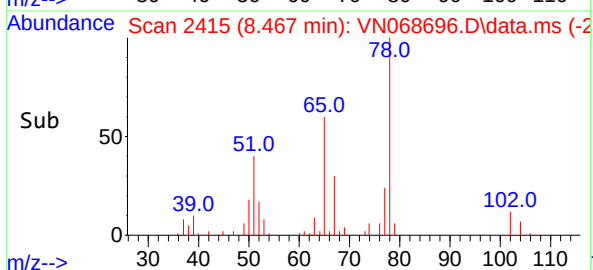
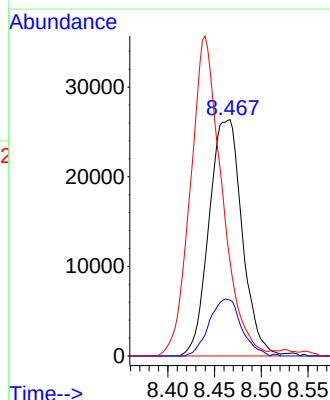
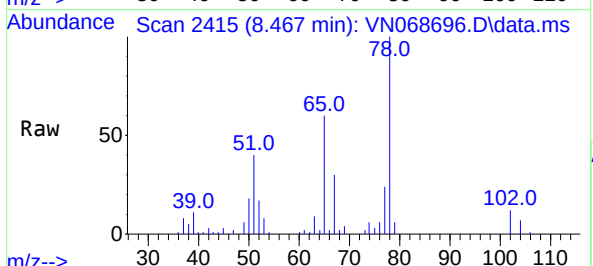
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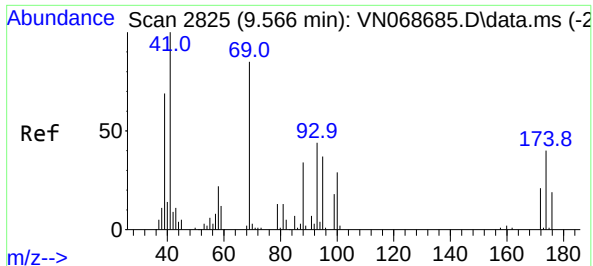
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#34
Benzene
Concen: 3.178 ug/l
RT: 8.467 min Scan# 2415
Delta R.T. 0.003 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion:	78	Resp:	64898
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.1	28.7
51	37.3	17.2	25.8





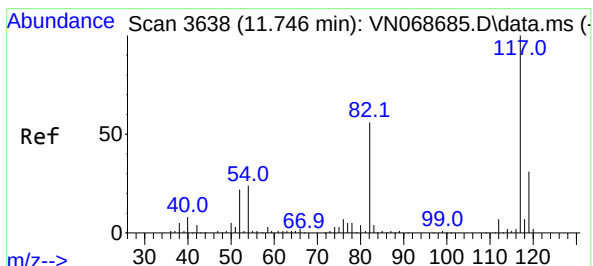
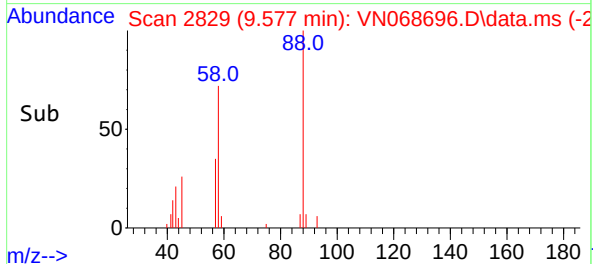
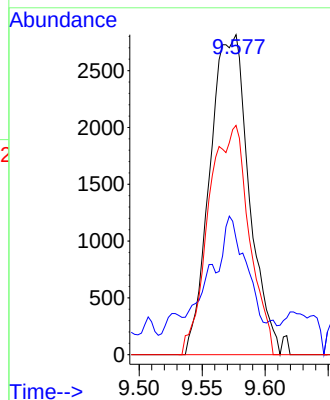
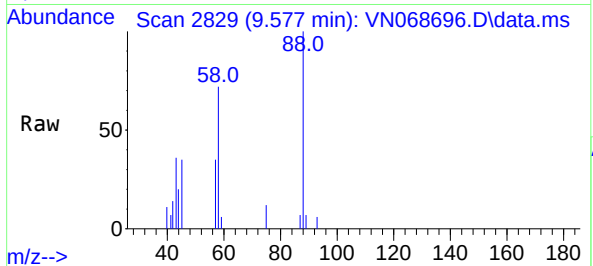
#45
1,4-Dioxane
Concen: 69.469 ug/l m
RT: 9.577 min Scan# 2829
Delta R.T. 0.011 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion: 88 Resp: 6056
Ion Ratio Lower Upper
88 100
43 18.9 27.3 40.9#
58 35.6 55.0 82.6#

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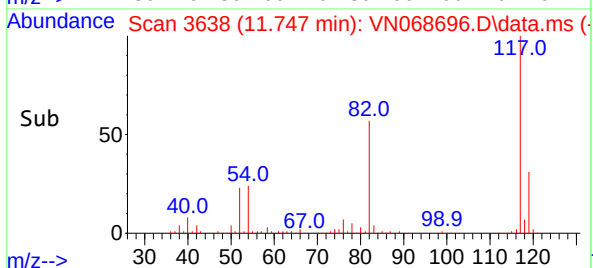
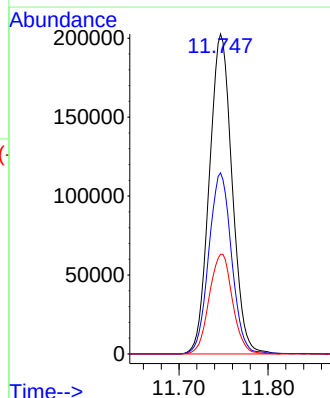
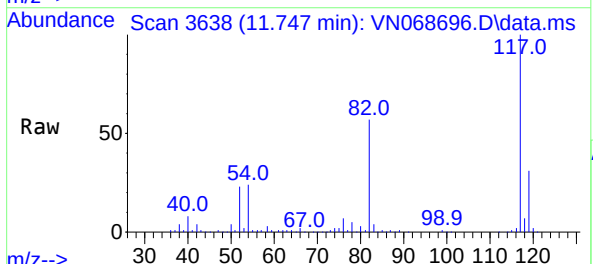
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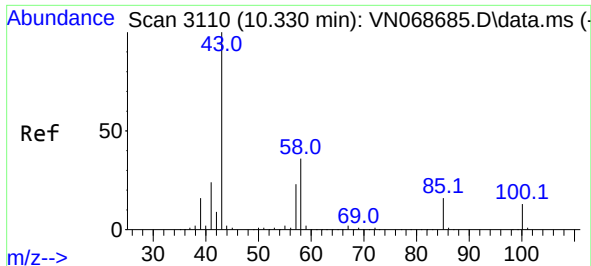
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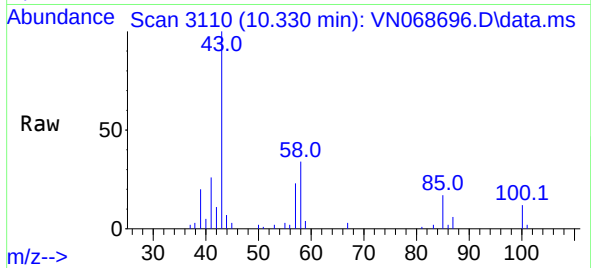
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion: 117 Resp: 360361
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 31.9 25.7 38.5

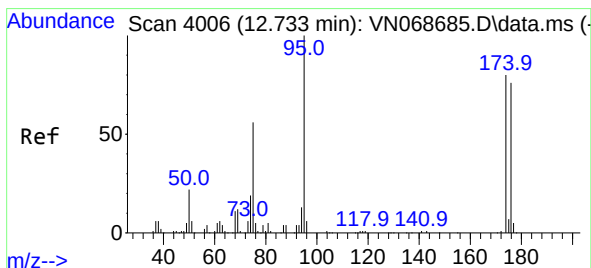
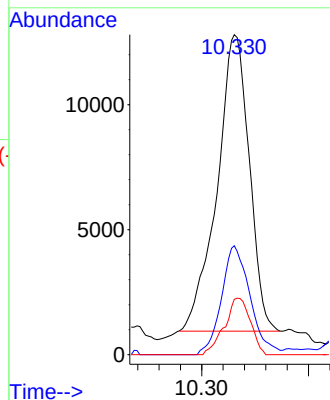
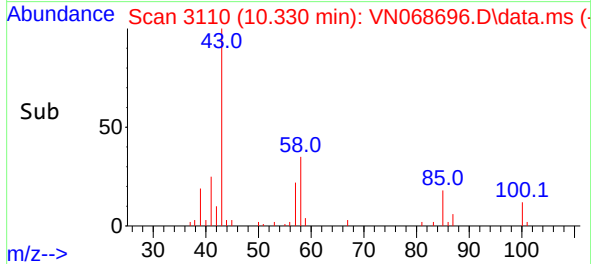




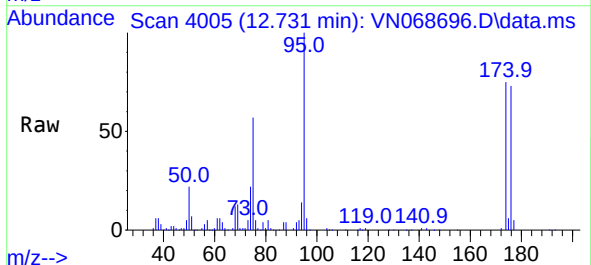
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4-Methyl-2-Pentanone
Concen: 3.536 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19



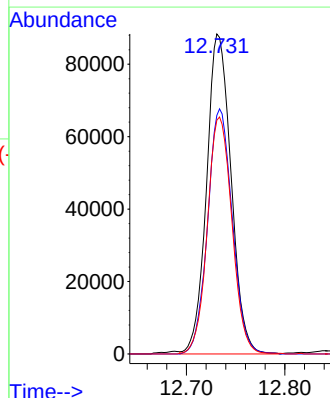
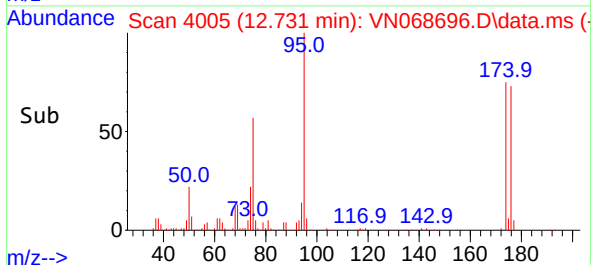
Tgt Ion: 43 Resp: 24856
Ion Ratio Lower Upper
43 100
58 32.5 28.5 42.7
85 15.3 12.8 19.2



#60
4-Bromofluorobenzene
Concen: 27.834 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19



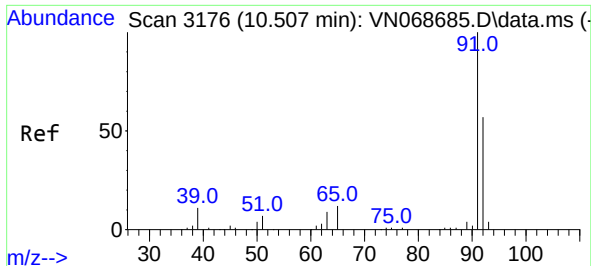
Tgt Ion: 95 Resp: 153222
Ion Ratio Lower Upper
95 100
174 77.3 63.0 94.6
176 74.4 60.6 90.8



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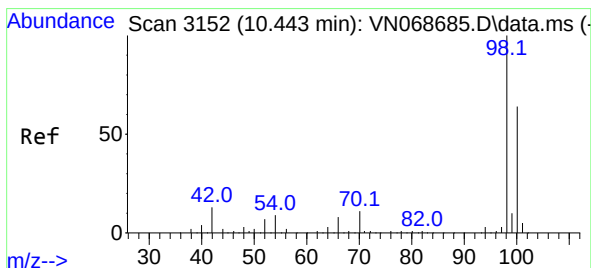
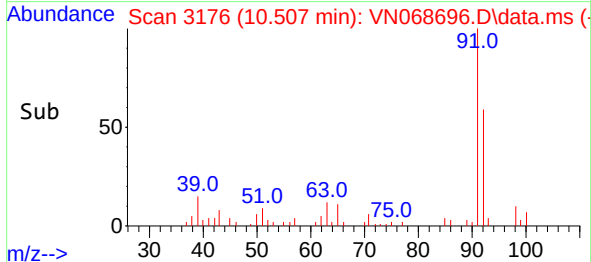
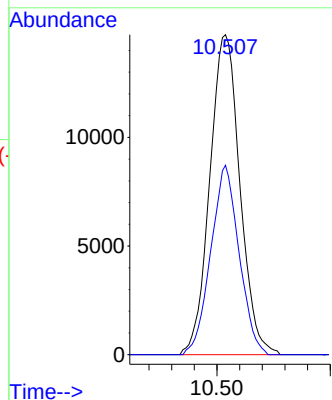
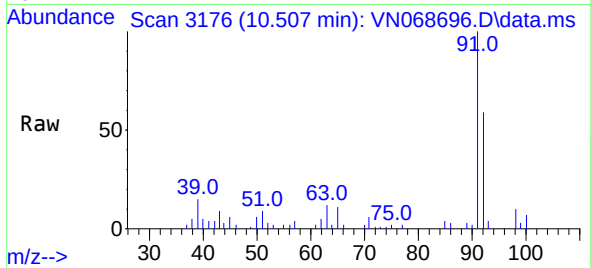
#62
Toluene
Concen: 1.382 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion: 91 Resp: 27202
Ion Ratio Lower Upper
91 100
92 55.5 45.7 68.5

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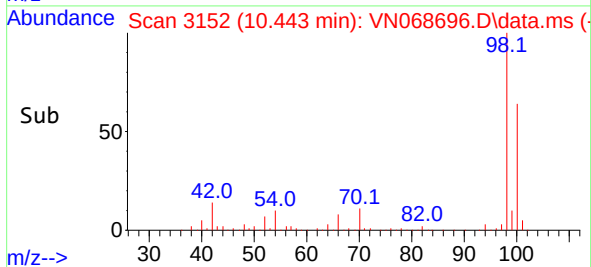
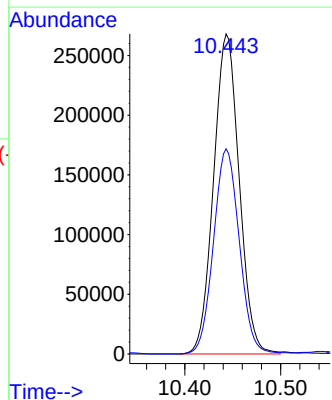
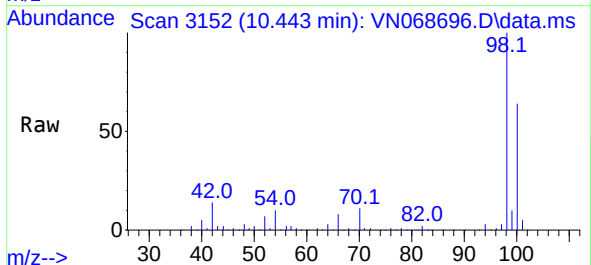
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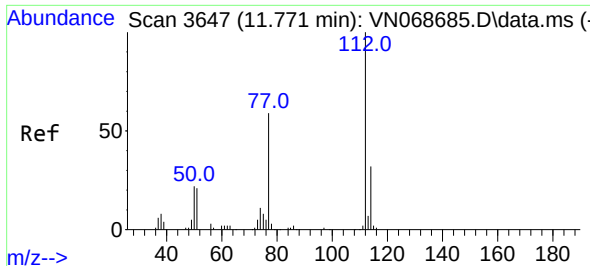
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#63
Toluene-d8
Concen: 31.160 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

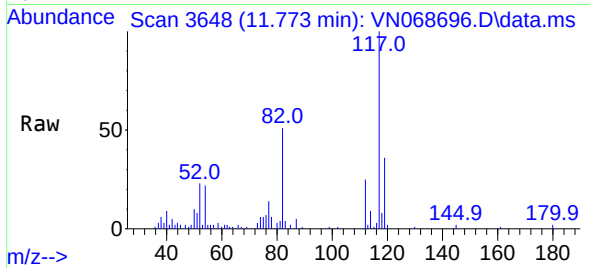
Tgt Ion: 98 Resp: 496945
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2





#64
Chlorobenzene
Concen: 0.611 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. 0.003 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

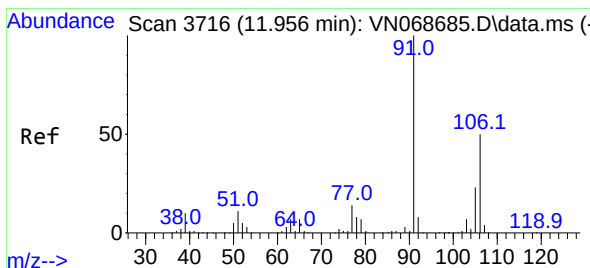
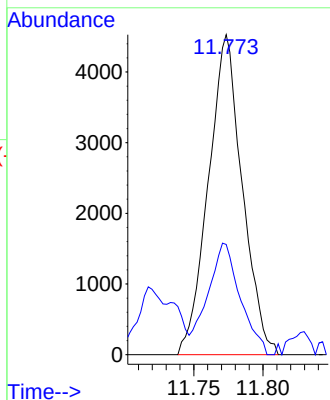
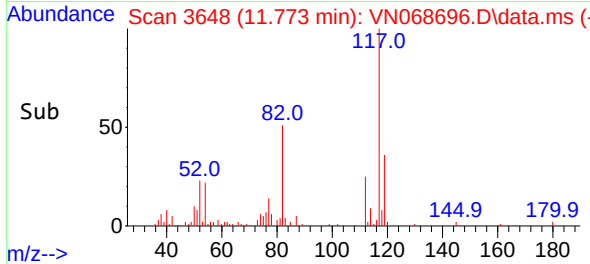
Instrument :
MSVOA_N
ClientSampleId :
210922099-02-VOA



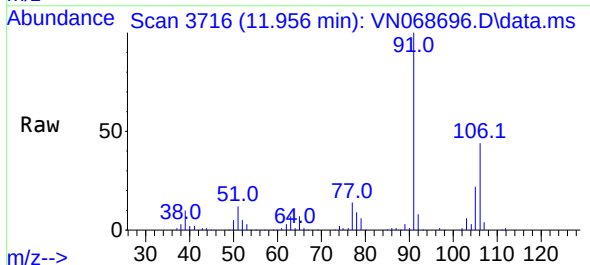
Tgt Ion:112 Resp: 7701
Ion Ratio Lower Upper
112 100
114 31.0 25.2 37.8

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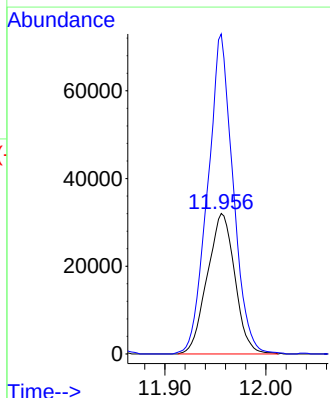
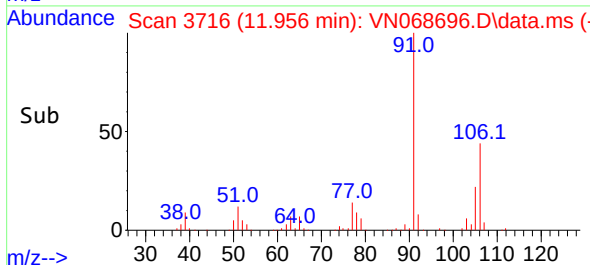
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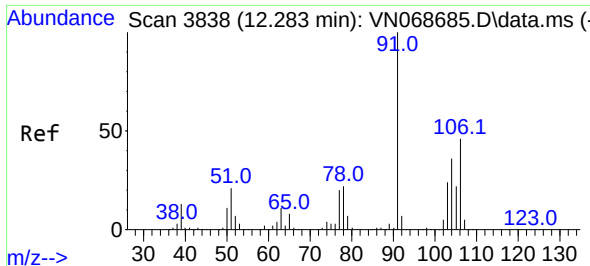


#67
m/p-Xylenes
Concen: 7.111 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19



Tgt Ion:106 Resp: 60828
Ion Ratio Lower Upper
106 100
91 209.6 161.8 242.6





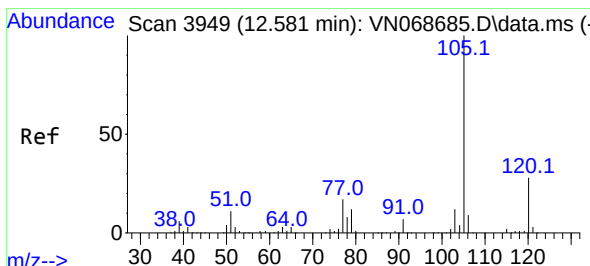
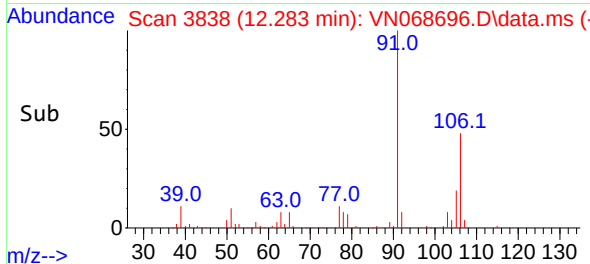
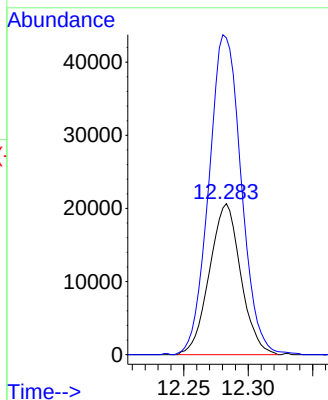
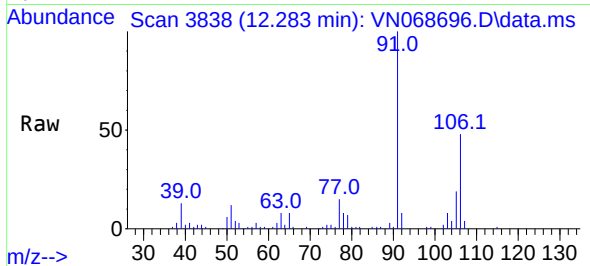
#68
o-Xylene
Concen: 4.211 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion:106 Resp: 34922
Ion Ratio Lower Upper
106 100
91 219.3 105.9 317.7

Instrument :
MSVOA_N
ClientSampleId :
210922099-02-VOA

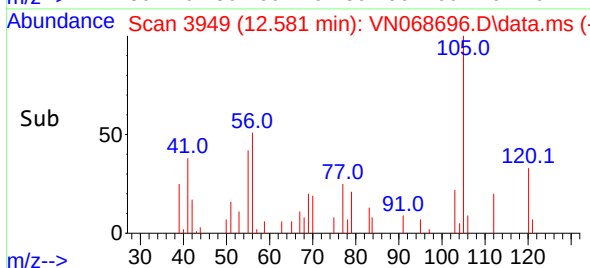
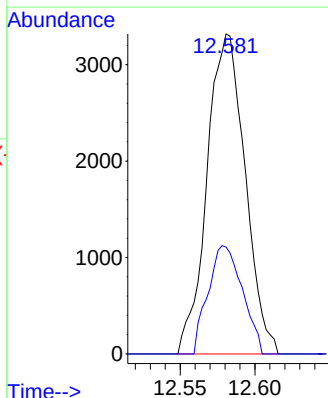
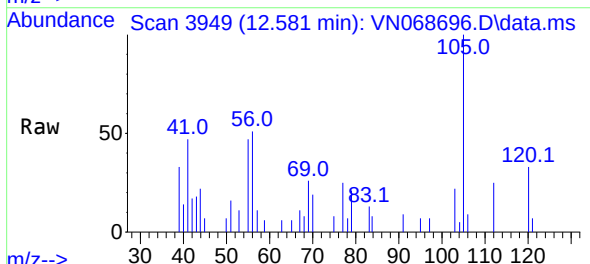
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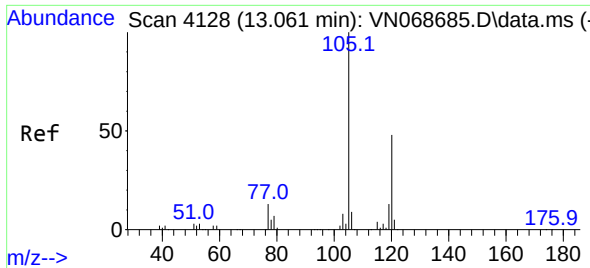
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#70
Isopropylbenzene
Concen: 0.277 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion:105 Resp: 5876
Ion Ratio Lower Upper
105 100
120 30.4 19.0 35.4





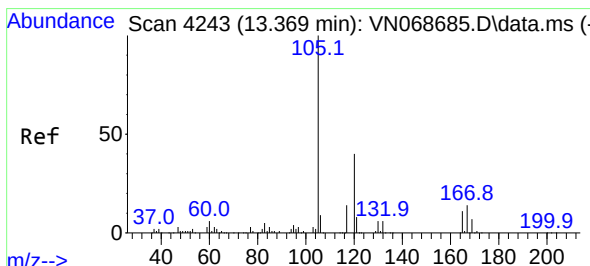
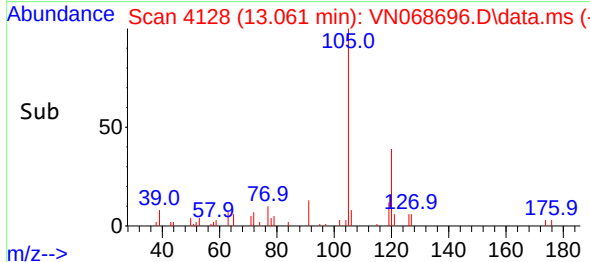
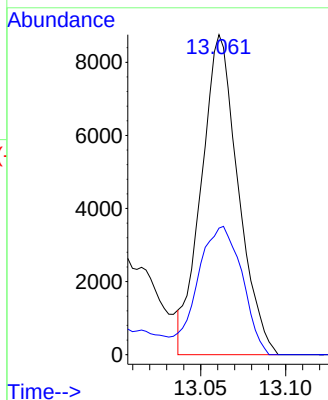
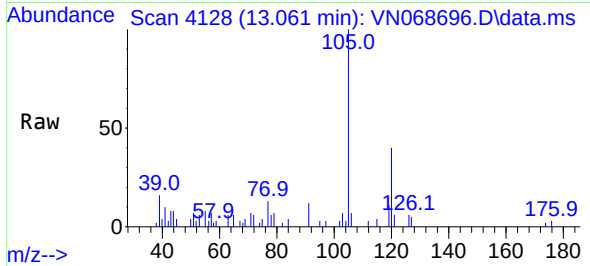
#76
1,3,5-Trimethylbenzene
Concen: 0.777 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion:105 Resp: 13210
Ion Ratio Lower Upper
105 100
120 48.7 0.0 98.0

Instrument :
MSVOA_N
ClientSampleId :
210922099-02-VOA

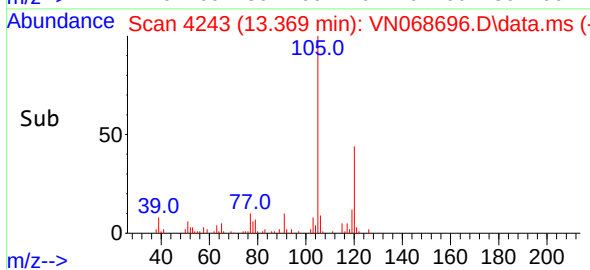
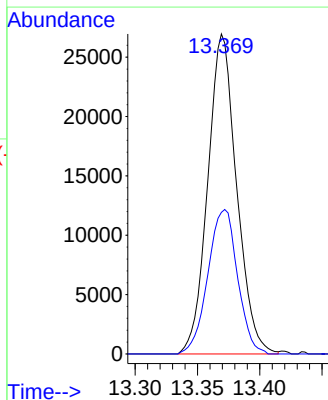
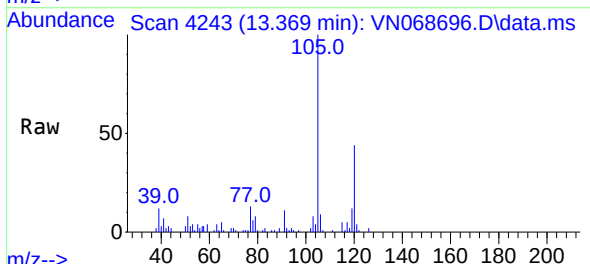
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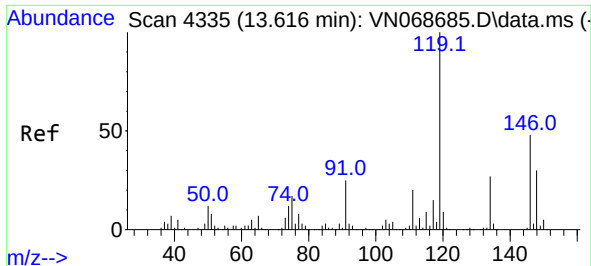
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#80
1,2,4-Trimethylbenzene
Concen: 2.700 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion:105 Resp: 43482
Ion Ratio Lower Upper
105 100
120 46.4 0.0 0.2#





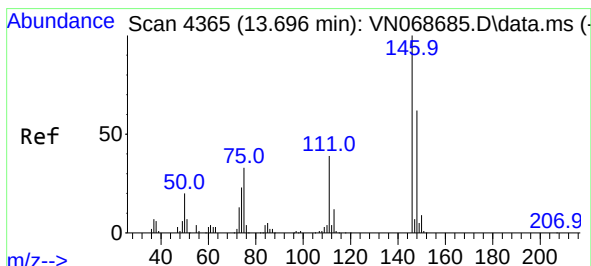
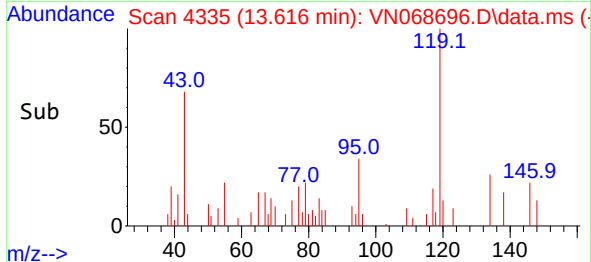
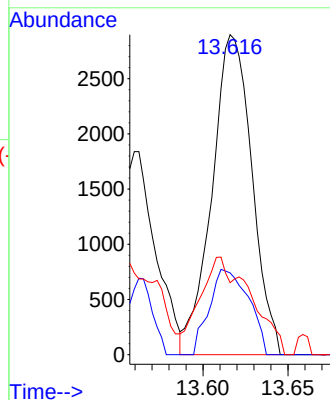
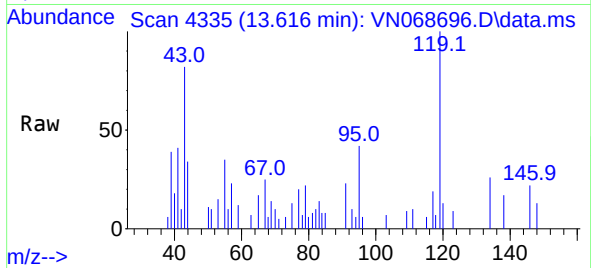
#82
p-Isopropyltoluene
Concen: 0.296 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion:	119	Resp:	4754
Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	53.6
91	15.1	0.0	49.2

Instrument :
MSVOA_N
ClientSampleId :
210922099-02-VOA

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#84
1,4-Dichlorobenzene
Concen: 3.935 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN068696.D
Acq: 26 Sep 2021 5:19

Tgt Ion:	146	Resp:	29949
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	66.7	31.8	95.4

