

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
 Data File : VN066685.D
 Acq On : 20 Apr 2021 16:51
 Operator : JC/MD
 Sample : M2032-03 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SECONDARY-TANK-262

Manual Integrations
 APPROVED

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 4/21/2021 4:34:57 PM

Quant Time: Apr 21 10:09:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 20 12:52:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.114	128	53367	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.519	114	283455	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.351	117	250912	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.953	65	116929	30.41	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.37%
60) 4-Bromofluorobenzene	12.349	95	94681	24.08	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.27%
63) Toluene-d8	10.029	98	351911	30.48	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.60%
Target Compounds						
						Qvalue
12) Methyl Acetate	4.255	43	4021	1.06	ug/l	91
15) Acetone	3.759	58	7003	16.06	ug/l	80
30) 2-Butanone	6.762	43	4277m	1.99	ug/l	
66) Ethyl Benzene	11.458	91	5060	0.33	ug/l	94
67) m/p-Xylenes	11.566	106	8187	1.43	ug/l	94
68) o-Xylene	11.893	106	4830m	0.87	ug/l	
76) 1,3,5-Trimethylbenzene	12.681	105	15471m	1.26	ug/l	
80) 1,2,4-Trimethylbenzene	12.987	105	20920	1.78	ug/l	96
82) p-Isopropyltoluene	13.234	119	298215	25.57	ug/l	98

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

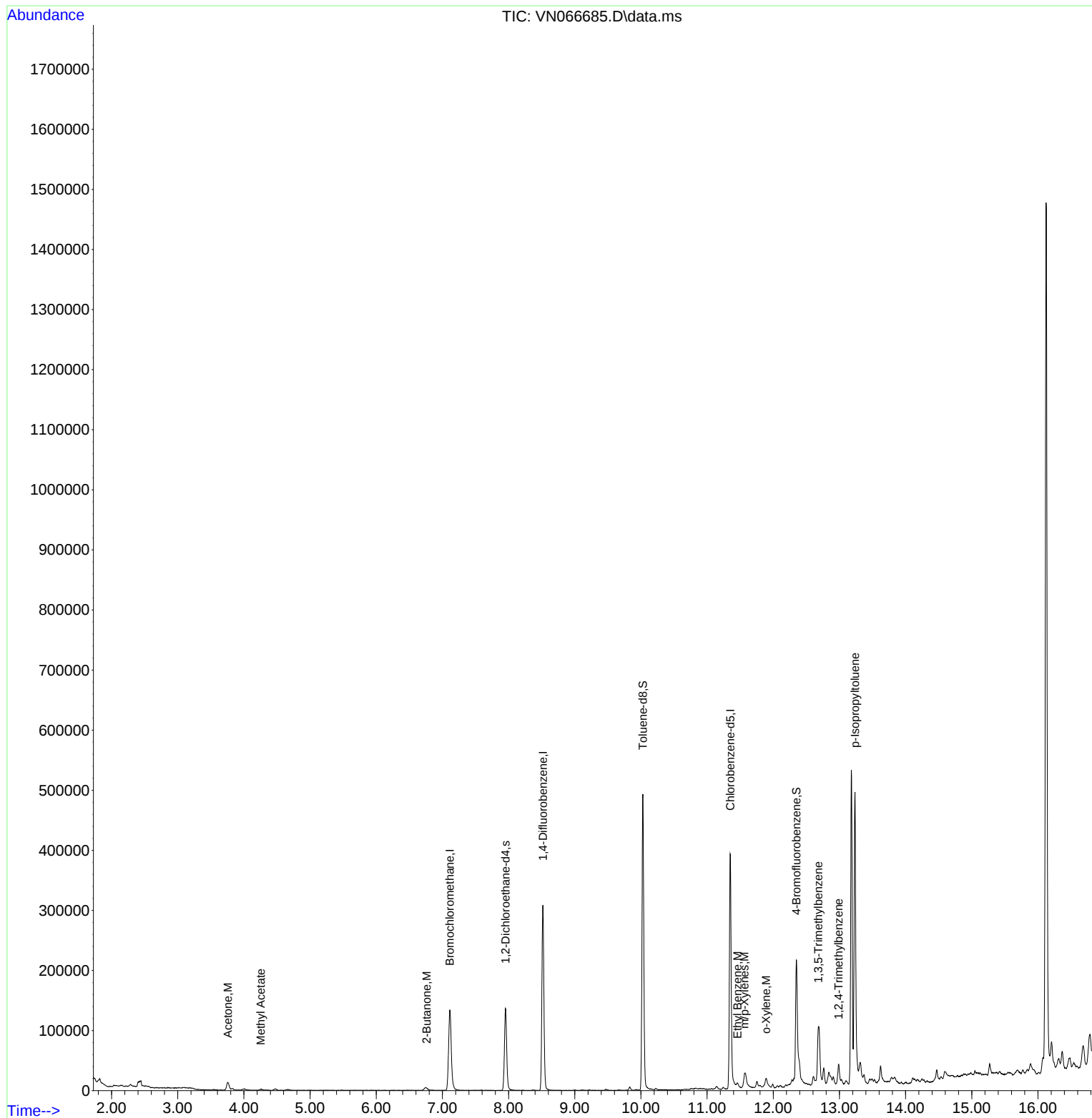
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
Data File : VN066685.D
Acq On : 20 Apr 2021 16:51
Operator : JC/MD
Sample : M2032-03 10X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

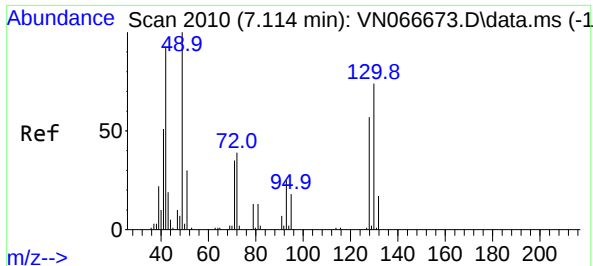
Instrument :
MSVOA_N
ClientSampleId :
SECONDARY-TANK-262

Manual Integrations
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Quant Time: Apr 21 10:09:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Apr 20 12:52:17 2021
Response via : Initial Calibration





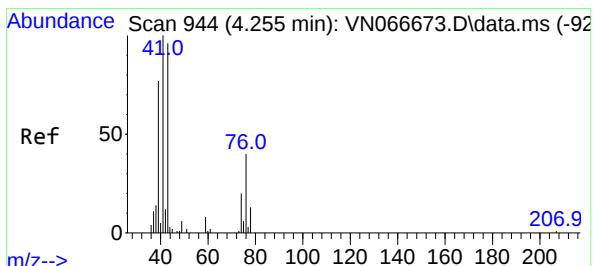
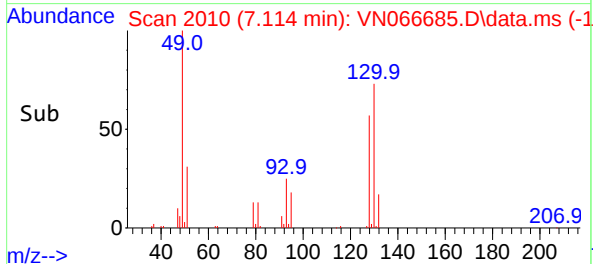
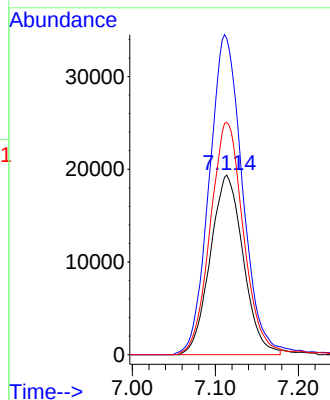
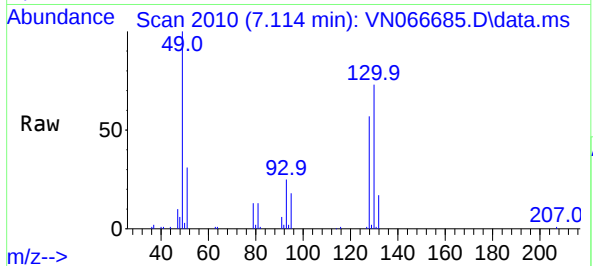
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.114 min Scan# 2010
Delta R.T. -0.000 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

Tgt Ion:	128	Resp:	53367
Ion	Ratio	Lower	Upper
128	100		
49	179.6	0.0	429.3
130	130.4	0.0	328.5

Instrument :
MSVOA_N
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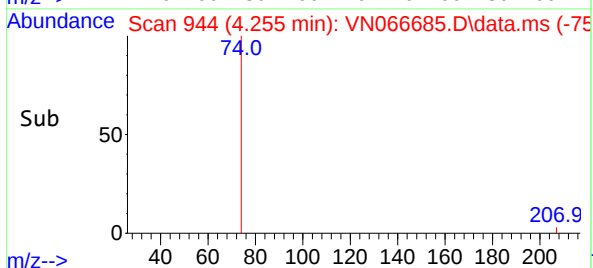
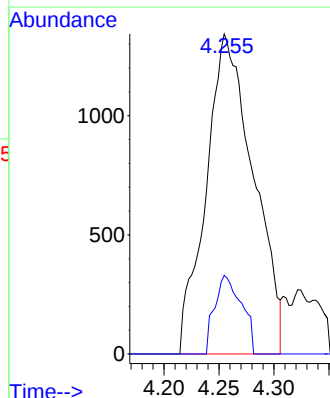
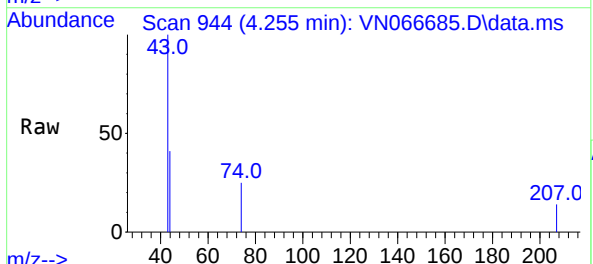
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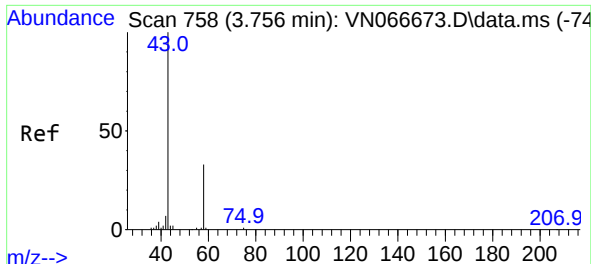
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#12
Methyl Acetate
Concen: 1.06 ug/l
RT: 4.255 min Scan# 944
Delta R.T. -0.000 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

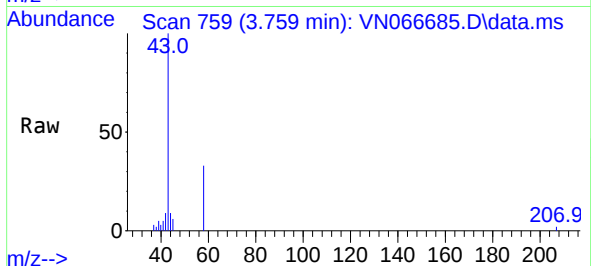
Tgt Ion:	43	Resp:	4021
Ion	Ratio	Lower	Upper
43	100		
74	26.8	18.0	27.0





#15
Acetone
Concen: 16.06 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.003 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

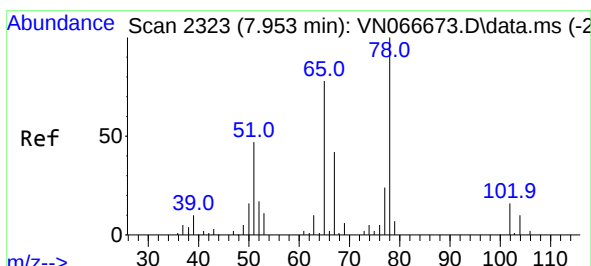
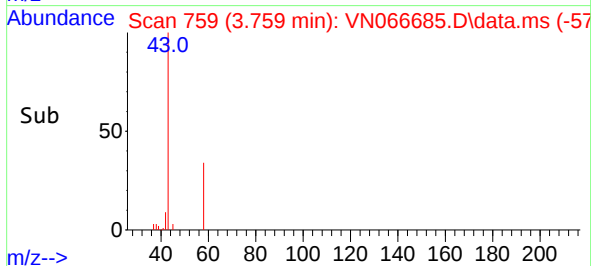
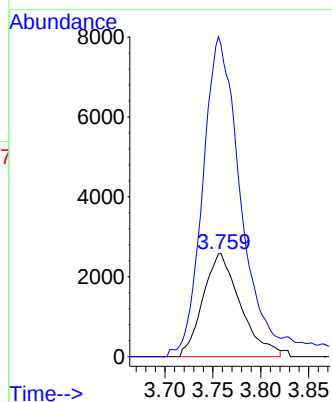
Instrument :
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ClientSampleId :
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Tgt Ion: 58 Resp: 7003
Ion Ratio Lower Upper
58 100
43 291.8 267.3 400.9

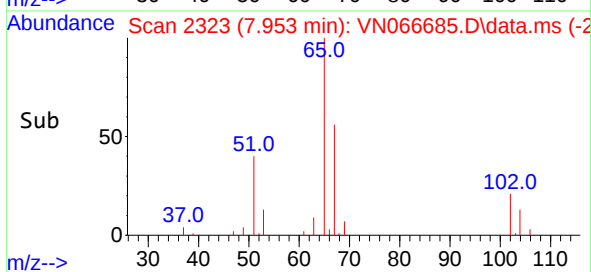
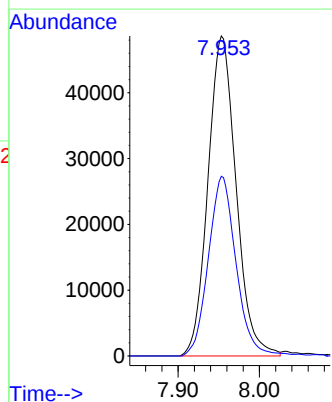
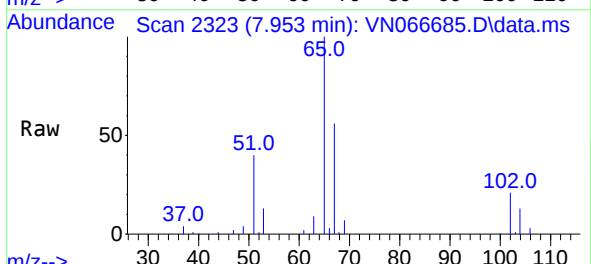
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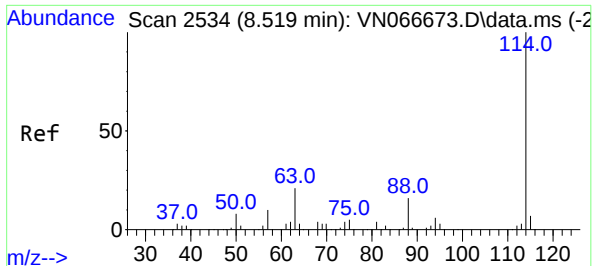
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#27
1,2-Dichloroethane-d4
Concen: 30.41 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

Tgt Ion: 65 Resp: 116929
Ion Ratio Lower Upper
65 100
67 55.3 42.2 63.4





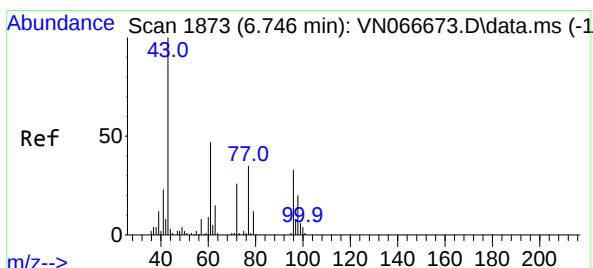
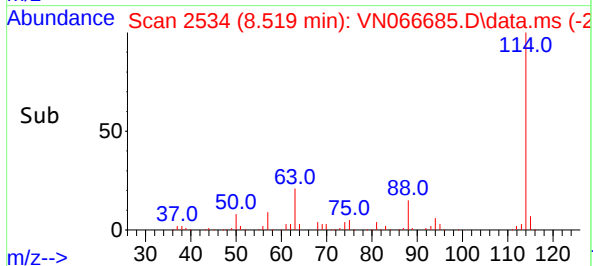
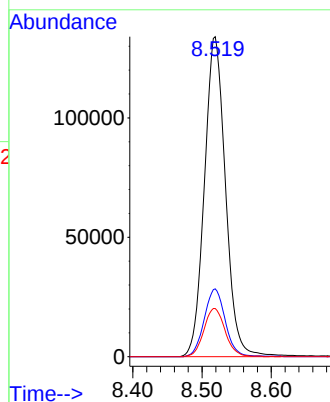
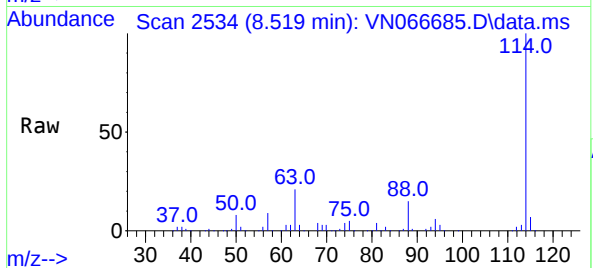
#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

Tgt Ion: 114 Resp: 283455
Ion Ratio Lower Upper
114 100
63 21.1 17.4 26.0
88 15.2 12.6 19.0

Instrument :
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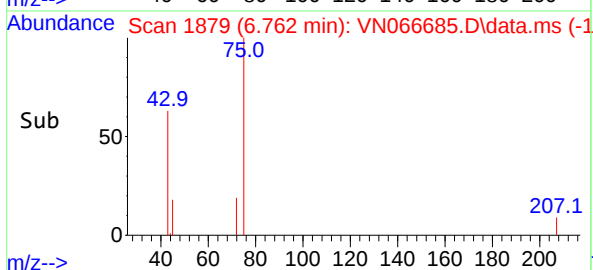
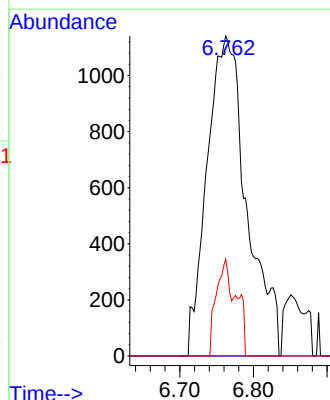
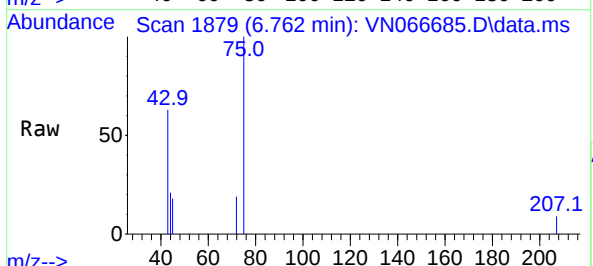
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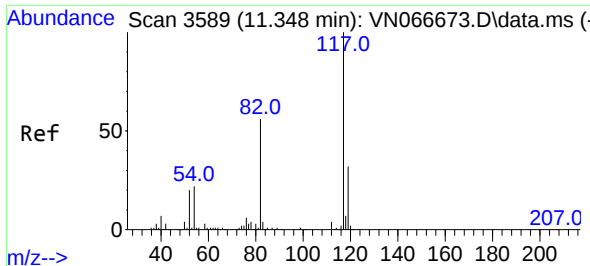
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#30
2-Butanone
Concen: 1.99 ug/l m
RT: 6.762 min Scan# 1879
Delta R.T. 0.016 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

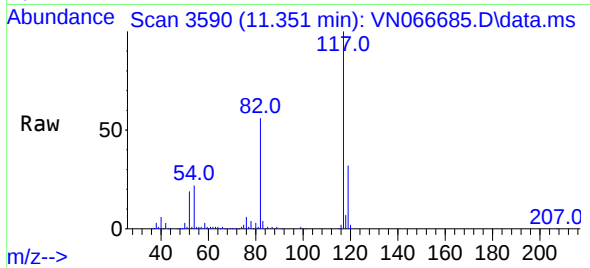
Tgt Ion: 43 Resp: 4277
Ion Ratio Lower Upper
43 100
57 0.0 6.9 10.3#
72 10.4 20.9 31.3#





#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

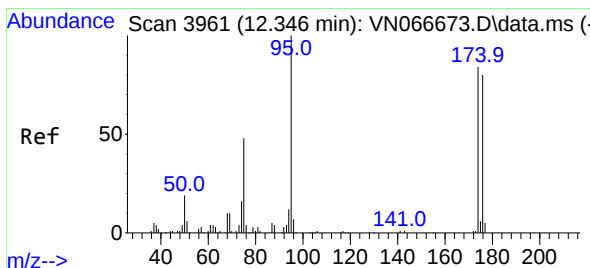
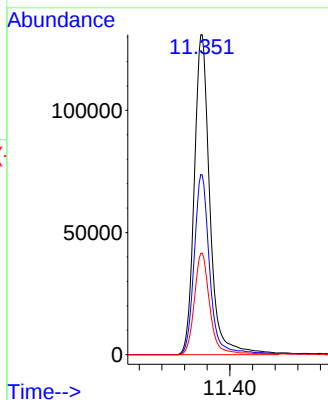
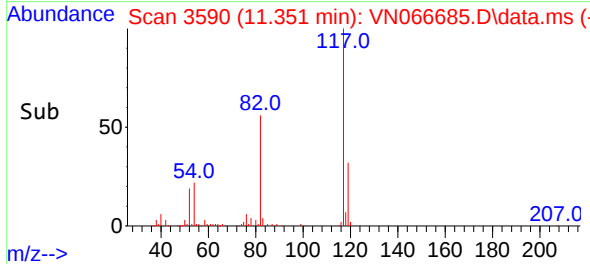
Instrument :
MSVOA_N
ClientSampleId :
SECONDARY-TANK-262



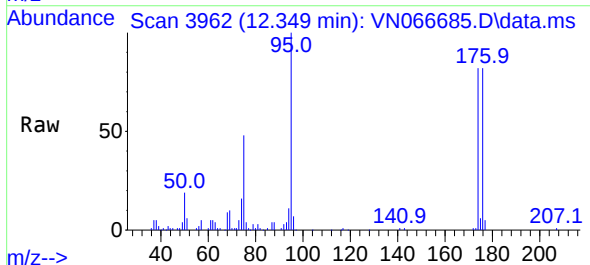
Tgt Ion: 117 Resp: 250912
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.6
119 30.9 25.5 38.3

Manual Integrations
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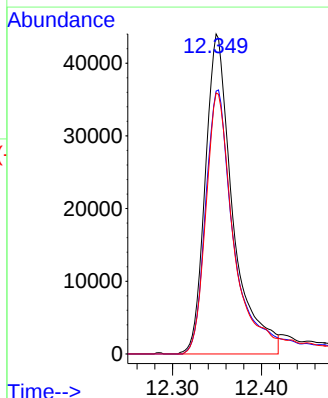
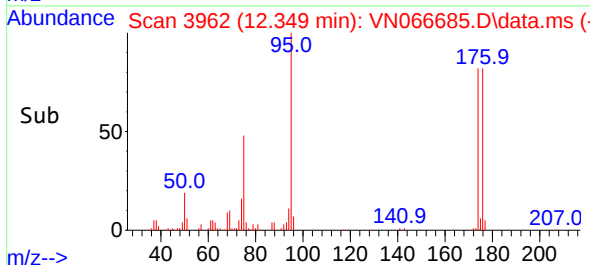
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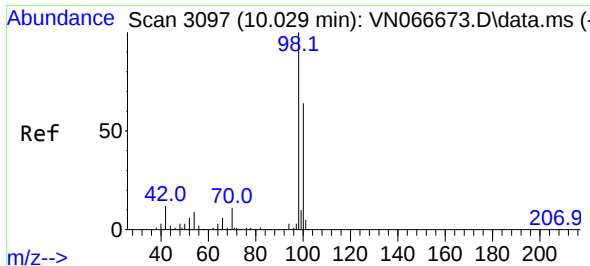


#60
4-Bromofluorobenzene
Concen: 24.08 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51



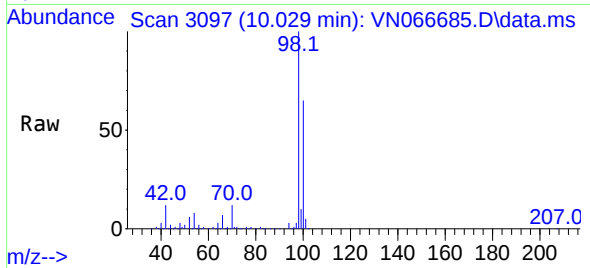
Tgt Ion: 95 Resp: 94681
Ion Ratio Lower Upper
95 100
174 86.2 68.1 102.1
176 83.3 65.4 98.0





#63
Toluene-d8
Concen: 30.48 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

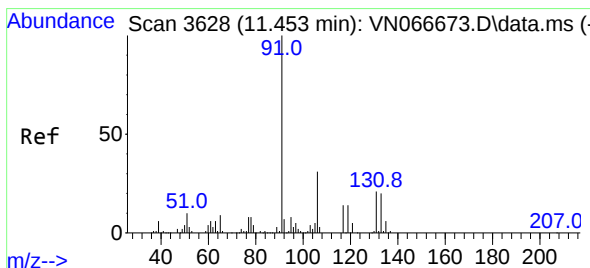
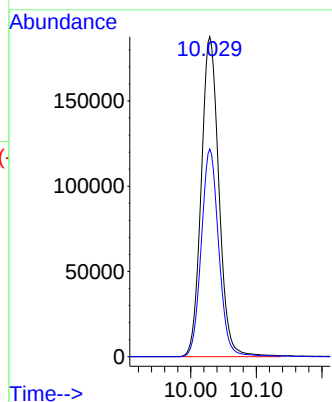
Instrument :
MSVOA_N
ClientSampleId :
SECONDARY-TANK-262



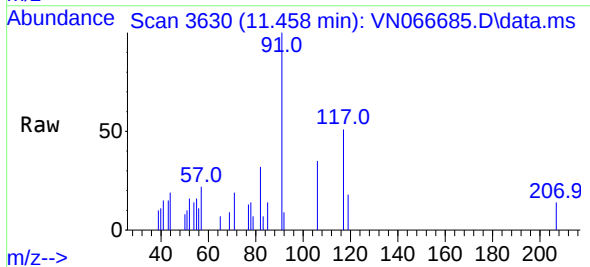
Tgt Ion: 98 Resp: 351911
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

Manual Integrations
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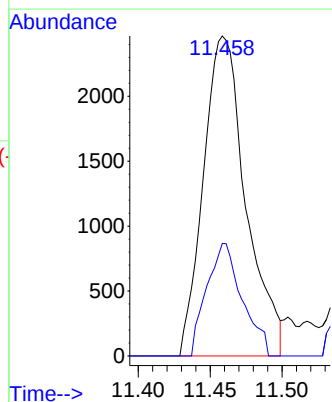
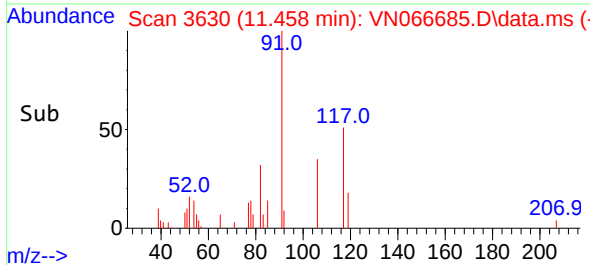
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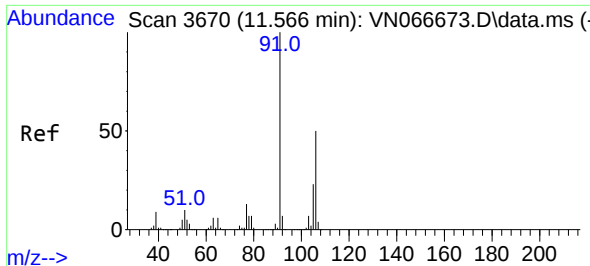


#66
Ethyl Benzene
Concen: 0.33 ug/l
RT: 11.458 min Scan# 3630
Delta R.T. 0.005 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51



Tgt Ion: 91 Resp: 5060
Ion Ratio Lower Upper
91 100
106 35.1 25.5 38.3





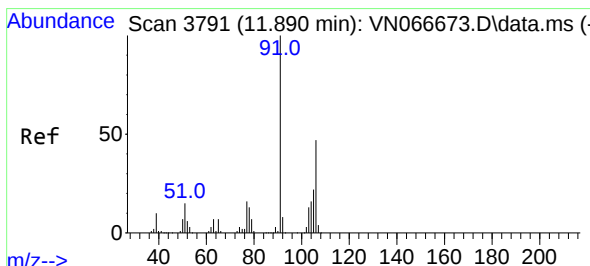
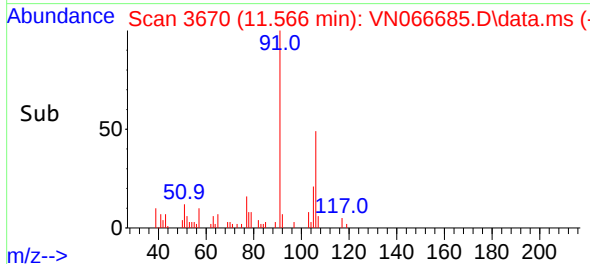
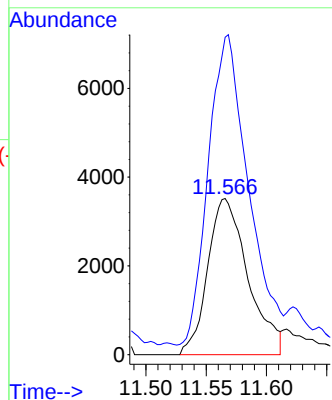
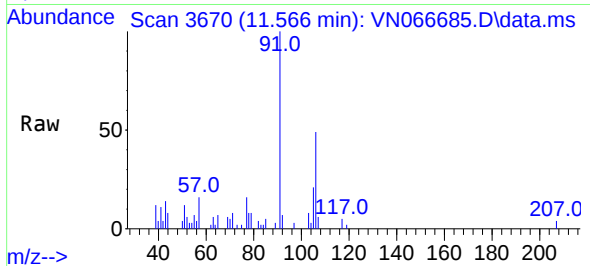
#67
m/p-Xylenes
Concen: 1.43 ug/l
RT: 11.566 min Scan# 3670
Delta R.T. -0.000 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

Tgt Ion:106 Resp: 8187
Ion Ratio Lower Upper
106 100
91 197.1 164.8 247.2

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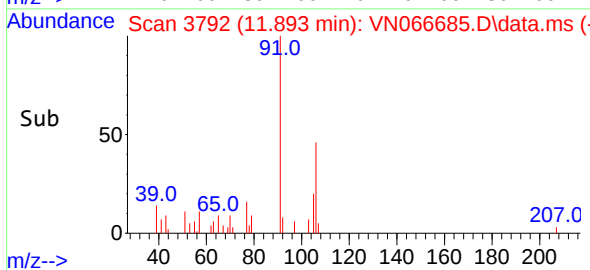
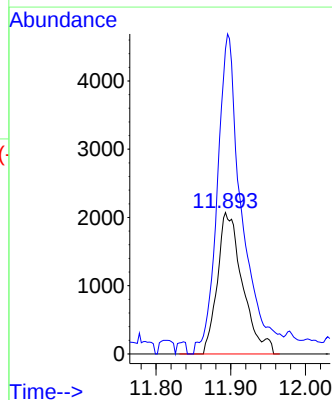
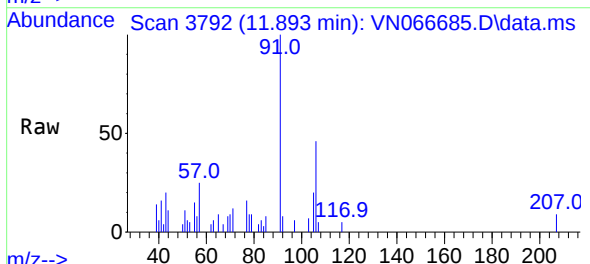
Manual Integrations
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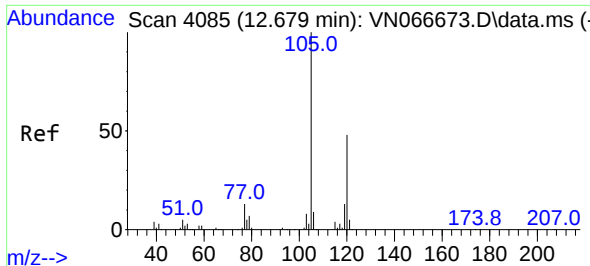
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#68
o-Xylene
Concen: 0.87 ug/l m
RT: 11.893 min Scan# 3792
Delta R.T. 0.003 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

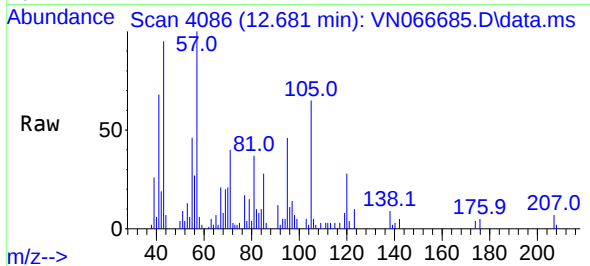
Tgt Ion:106 Resp: 4830
Ion Ratio Lower Upper
106 100
91 334.1 107.1 321.4#





#76
1,3,5-Trimethylbenzene
Concen: 1.26 ug/l m
RT: 12.681 min Scan# 4086
Delta R.T. 0.002 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

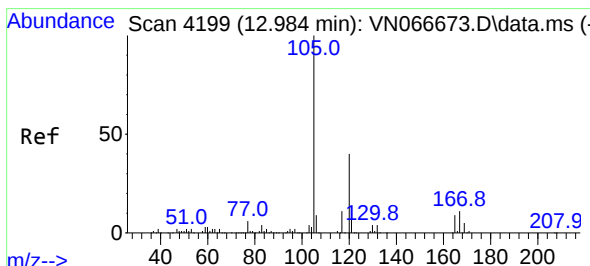
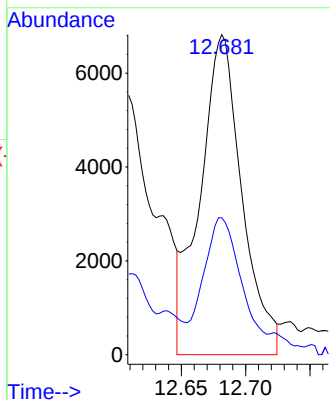
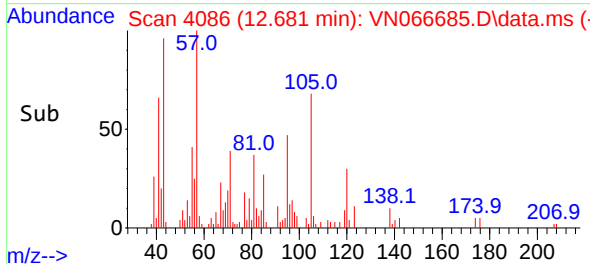
Instrument :
MSVOA_N
ClientSampleId :
SECONDARY-TANK-262



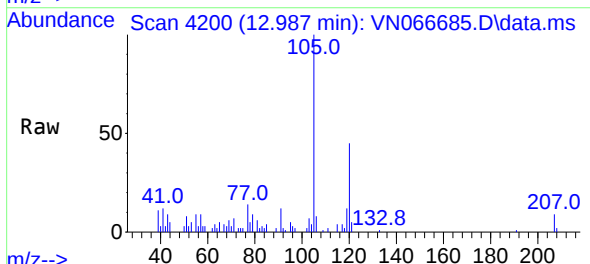
Tgt Ion:105 Resp: 15471
Ion Ratio Lower Upper
105 100
120 0.0 0.0 98.2

Manual Integrations
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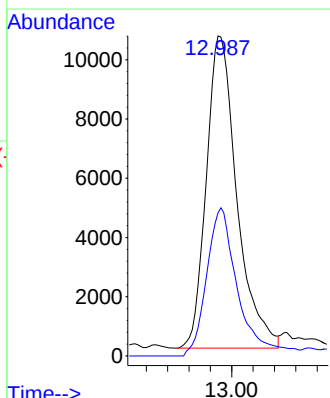
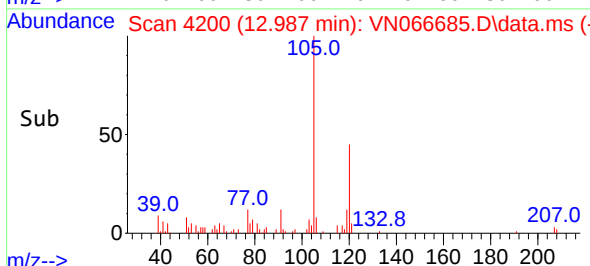
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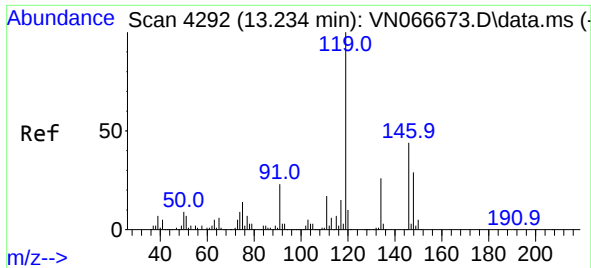


#80
1,2,4-Trimethylbenzene
Concen: 1.78 ug/l
RT: 12.987 min Scan# 4200
Delta R.T. 0.003 min
Lab File: VN066685.D
Acq: 20 Apr 2021 16:51

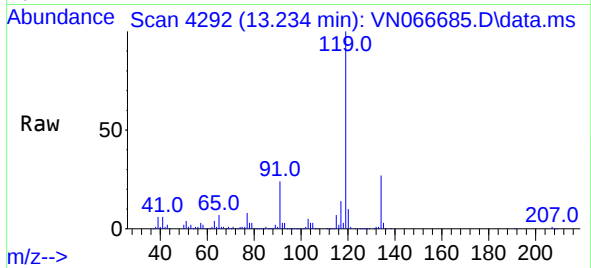


Tgt Ion:105 Resp: 20920
Ion Ratio Lower Upper
105 100
120 47.9 0.0 90.6

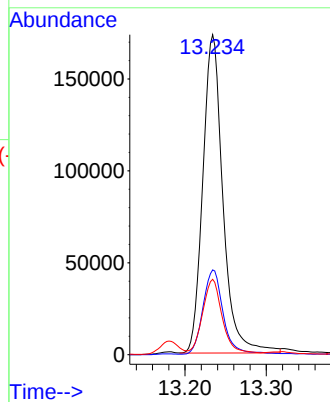
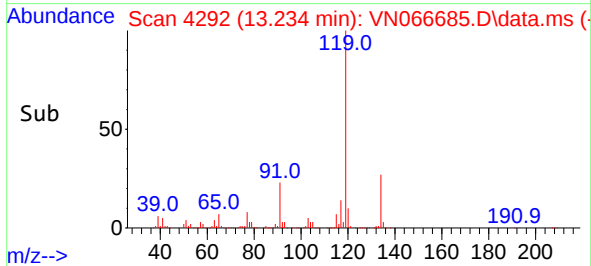




#82
 p-Isopropyltoluene
 Concen: 25.57 ug/l
 RT: 13.234 min Scan# 4292
 Delta R.T. -0.000 min
 Lab File: VN066685.D
 Acq: 20 Apr 2021 16:51



Tgt Ion:	119	Resp:	298215
Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	53.4
91	22.3	0.0	47.6



Instrument :
 MSVOA_N
 ClientSampleId :
 SECONDARY-TANK-262

Manual Integrations
 APPROVED

MMDadoda
 4/21/2021 4:34:57 PM