

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072643.D
 Acq On : 26 May 2022 21:30
 Operator : JC\MD
 Sample : N2936-01 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SEMI-ANNUAL-CONDENSATE

Quant Time: May 27 06:22:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 27 05:07:24 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/27/2022
 Supervised By :Mahesh Dadoda 05/27/2022

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

Internal Standards						
1) Bromochloromethane	7.651	128	29246	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	164986	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	140920	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	82945	29.639	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.800%		
60) 4-Bromofluorobenzene	12.727	95	66684	26.945	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	89.800%		
63) Toluene-d8	10.439	98	238847	29.809	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.367%		
Target Compounds						
					Qvalue	
15) Acetone	4.281	58	46429	121.139	ug/l	88
23) tert-Butyl Alcohol	5.357	59	82477	165.039	ug/l #	100
30) 2-Butanone	7.328	43	276376	131.541	ug/l	94
34) Benzene	8.457	78	7431	0.758	ug/l #	1
45) 1,4-Dioxane	9.563	88	1299	24.679	ug/l #	53
58) 4-Methyl-2-Pentanone	10.327	43	12010	2.951	ug/l #	93
62) Toluene	10.498	91	18861	1.907	ug/l	94
64) Chlorobenzene	11.769	112	1470	0.256	ug/l #	63
66) Ethyl Benzene	11.839	91	3727m	0.342	ug/l	
67) m/p-Xylenes	11.945	106	2867	0.723	ug/l	100
68) o-Xylene	12.280	106	1994m	0.505	ug/l	
76) 1,3,5-Trimethylbenzene	13.057	105	1810	0.227	ug/l	100
80) 1,2,4-Trimethylbenzene	13.363	105	3754	0.489	ug/l #	84
82) p-Isopropyltoluene	13.610	119	14021	1.795	ug/l	97
84) 1,4-Dichlorobenzene	13.692	146	5502	1.473	ug/l	93

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

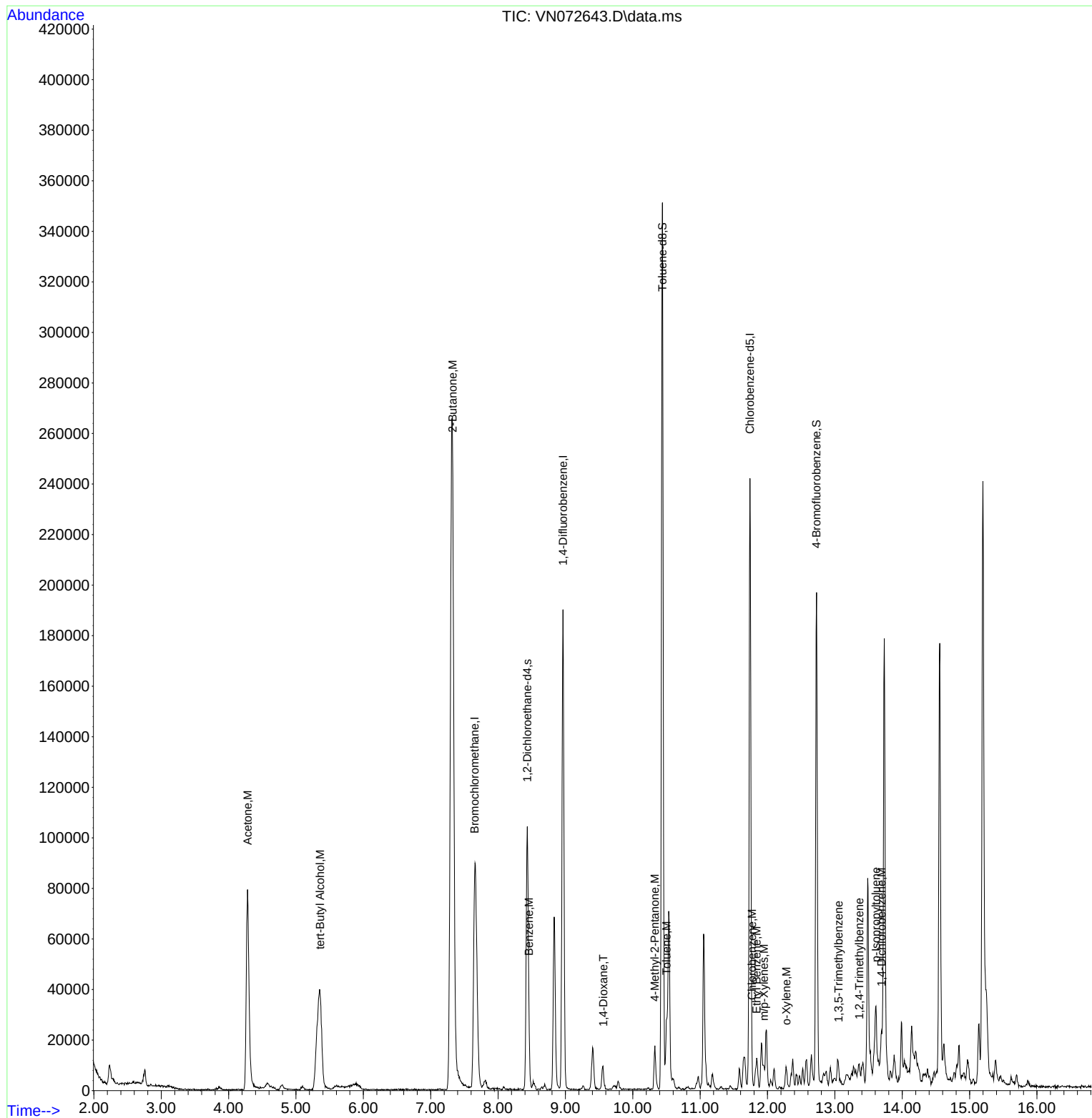
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
Data File : VN072643.D
Acq On : 26 May 2022 21:30
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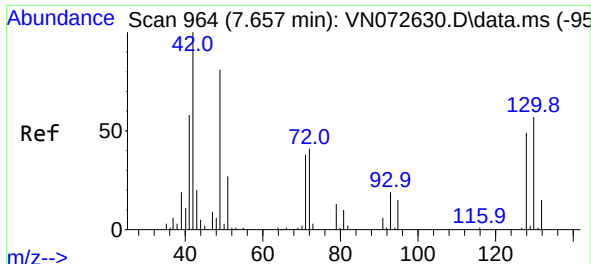
Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Time: May 27 06:22:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 27 05:07:24 2022
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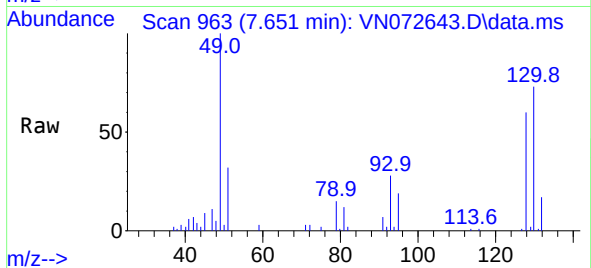
Reviewed By : John Carlone 05/27/2022
Supervised By : Mahesh Dadoda 05/27/2022





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. -0.006 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

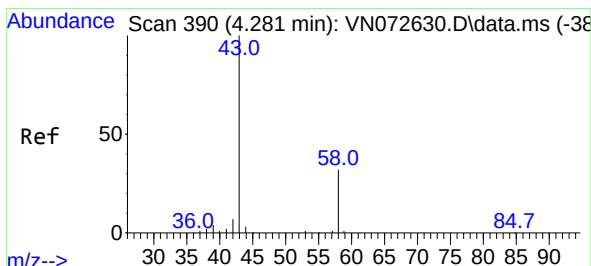
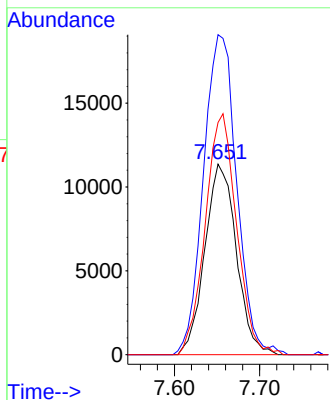
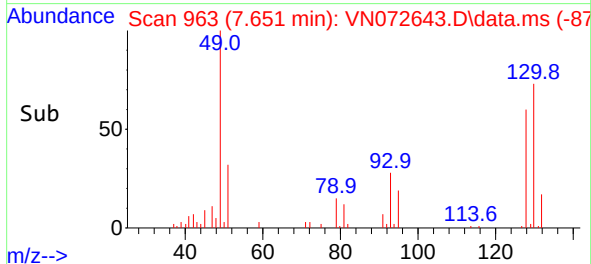
Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE



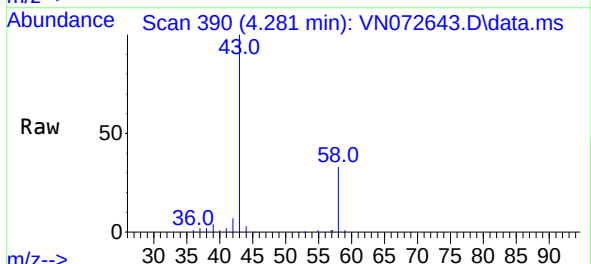
Tgt Ion:128 Resp: 29240
Ion Ratio Lower Upper
128 100
49 175.6 0.0 392.3
130 125.7 0.0 320.2

Manual Integrations
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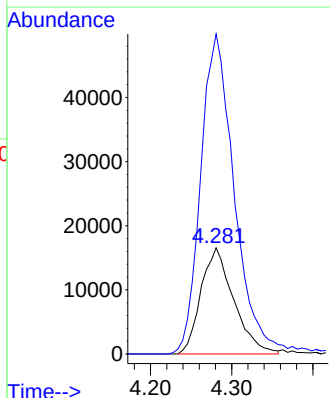
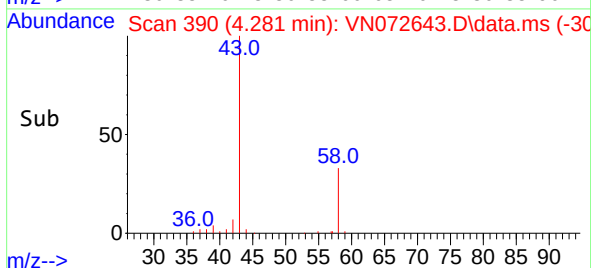
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

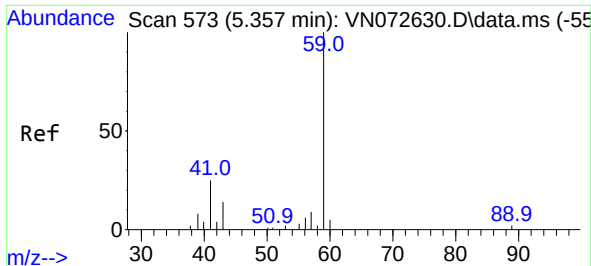


#15
Acetone
Concen: 121.139 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30



Tgt Ion: 58 Resp: 46429
Ion Ratio Lower Upper
58 100
43 296.8 256.6 384.8





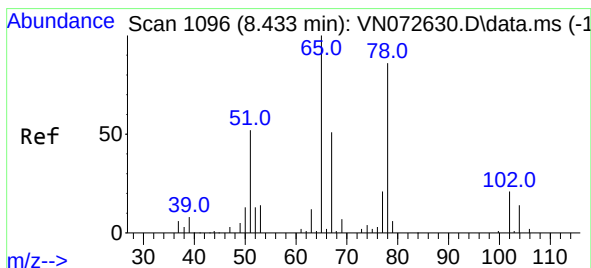
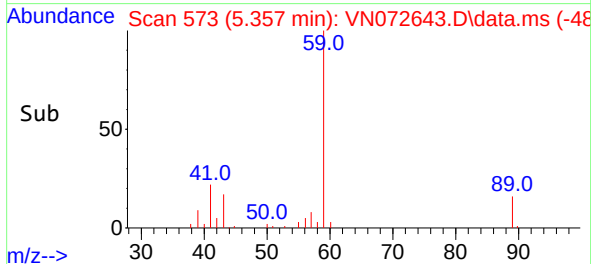
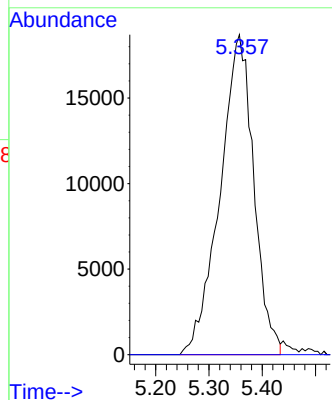
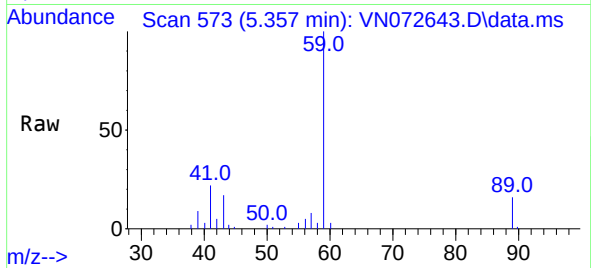
#23
tert-Butyl Alcohol
Concen: 165.039 ug/l
RT: 5.357 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

Instrument :
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Tgt Ion: 59 Resp: 8247
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

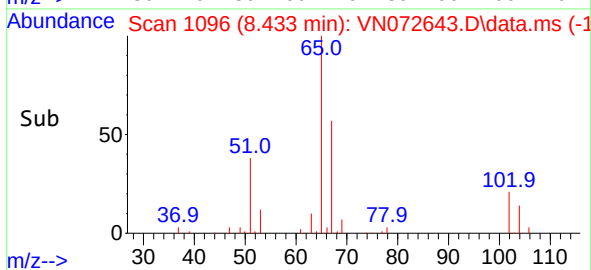
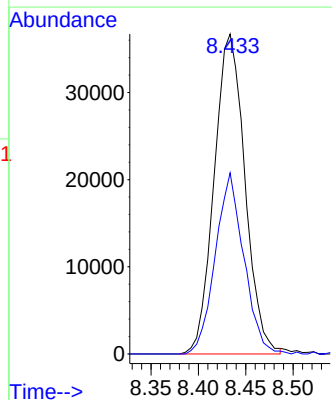
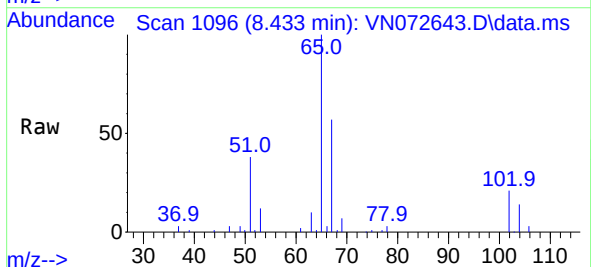
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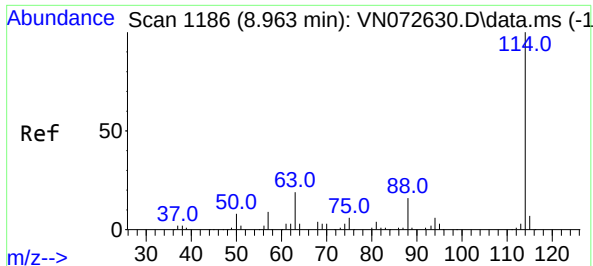
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#27
1,2-Dichloroethane-d4
Concen: 29.639 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

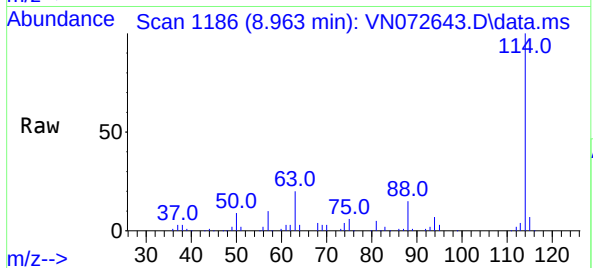
Tgt Ion: 65 Resp: 82945
Ion Ratio Lower Upper
65 100
67 52.4 40.2 60.2





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

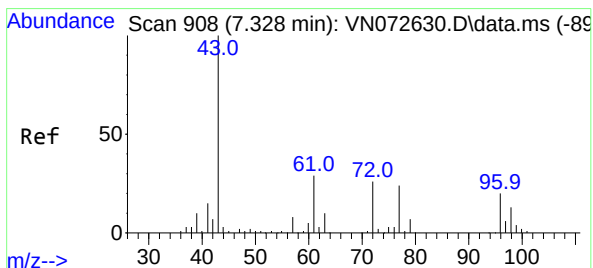
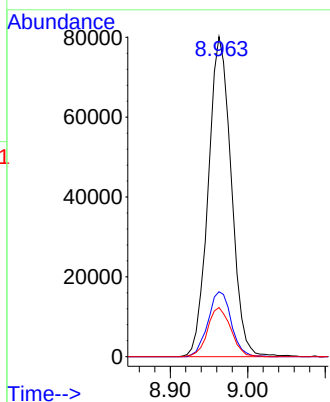
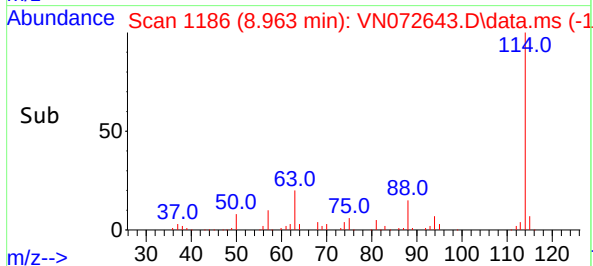
Instrument :
MSVOA_N
ClientSampleId :
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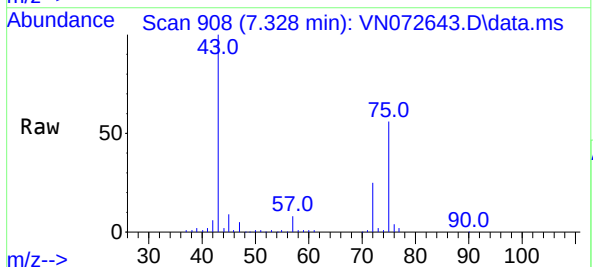
Tgt Ion:114 Resp: 164980
Ion Ratio Lower Upper
114 100
63 20.6 15.8 23.6
88 15.6 11.6 17.4

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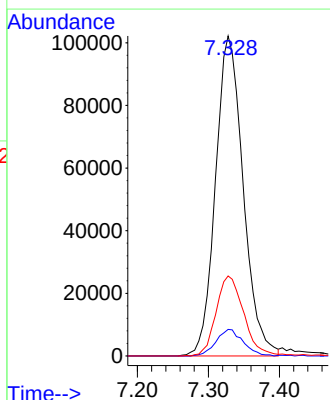
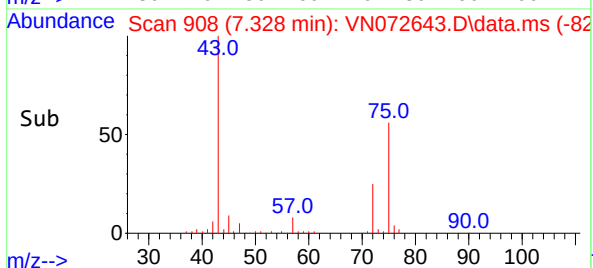
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

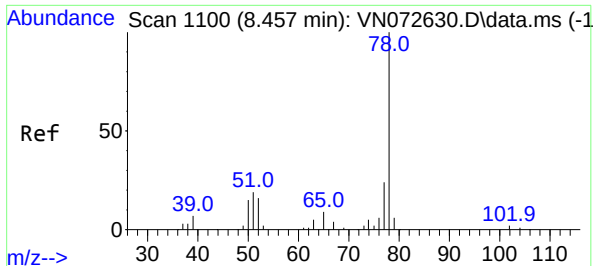


#30
2-Butanone
Concen: 131.541 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30



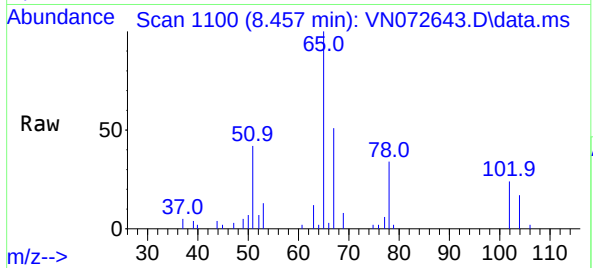
Tgt Ion: 43 Resp: 276376
Ion Ratio Lower Upper
43 100
57 8.1 6.7 10.1
72 25.0 23.2 34.8





#34
Benzene
Concen: 0.758 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

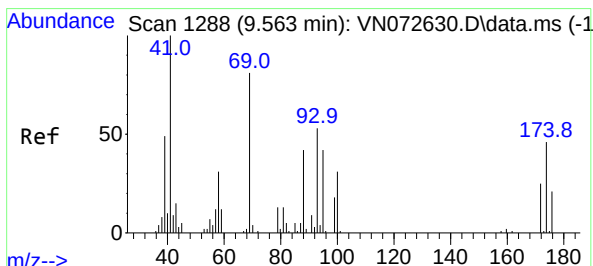
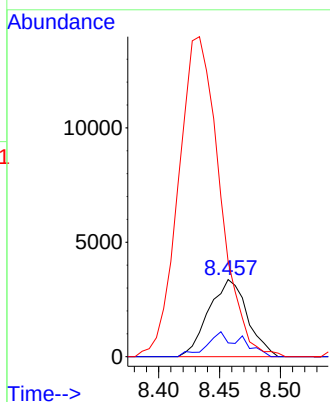
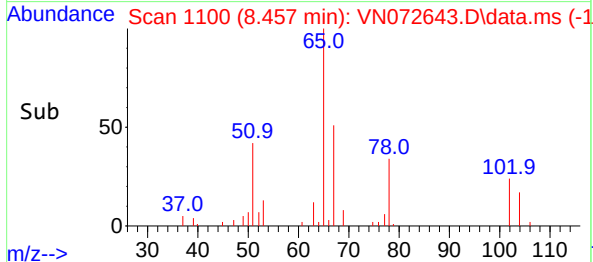
Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE



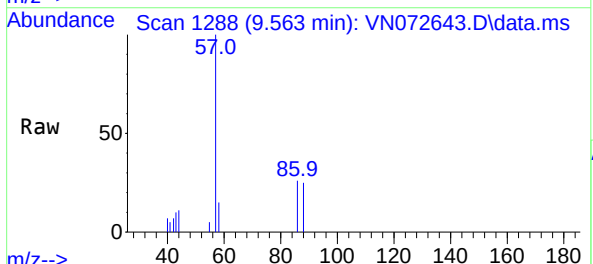
Tgt Ion: 78 Resp: 743
Ion Ratio Lower Upper
78 100
77 17.8 19.1 28.7
51 119.0 16.0 24.0

Manual Integrations
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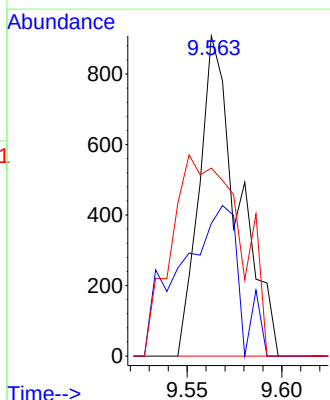
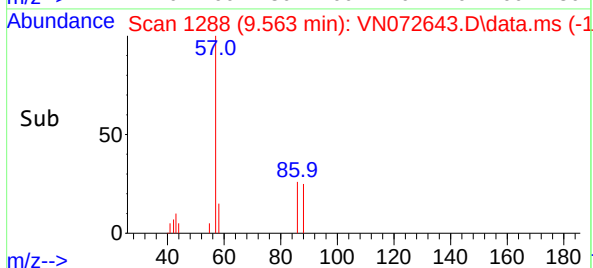
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

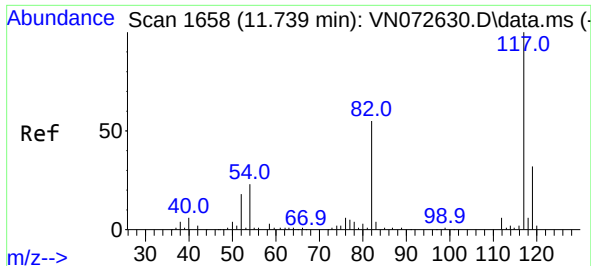


#45
1,4-Dioxane
Concen: 24.679 ug/l
RT: 9.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30



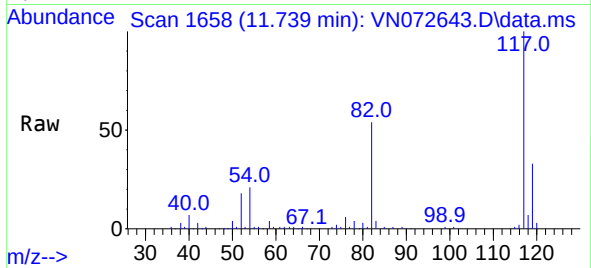
Tgt Ion: 88 Resp: 1299
Ion Ratio Lower Upper
88 100
43 55.1 25.0 37.6#
58 99.5 49.4 74.2#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

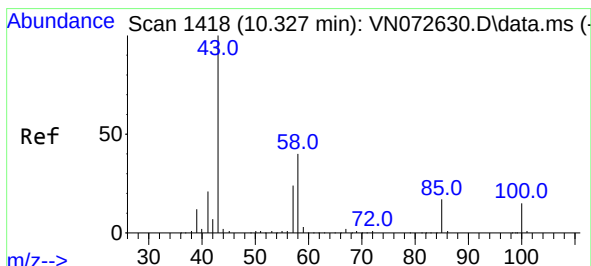
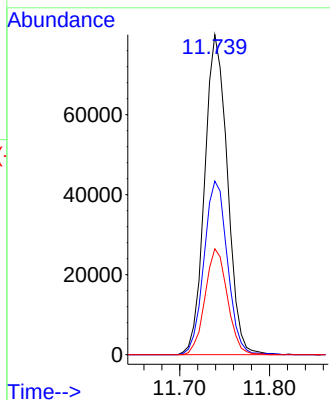
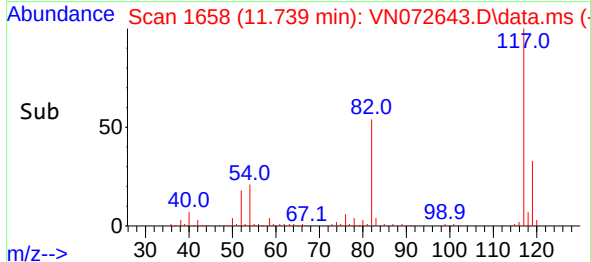
Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE



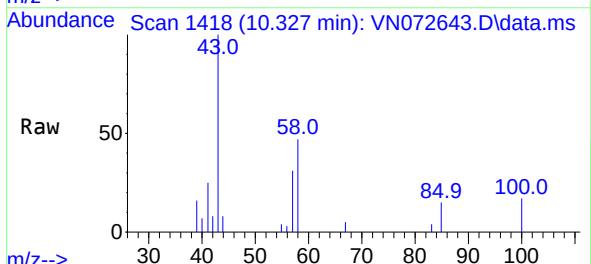
Tgt Ion: 117 Resp: 140920
Ion Ratio Lower Upper
117 100
82 55.9 43.6 65.4
119 32.5 25.8 38.6

Manual Integrations
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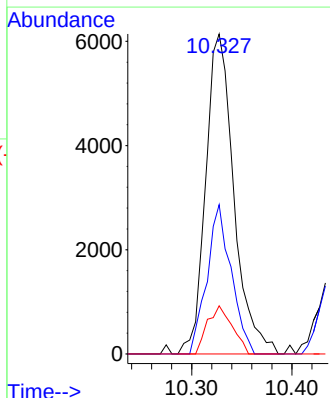
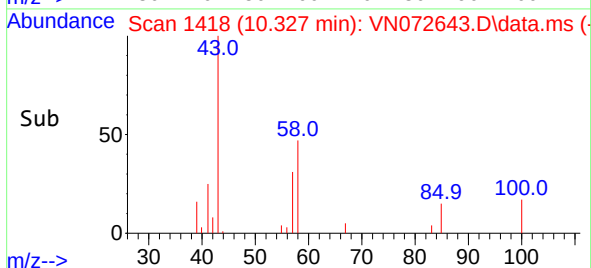
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

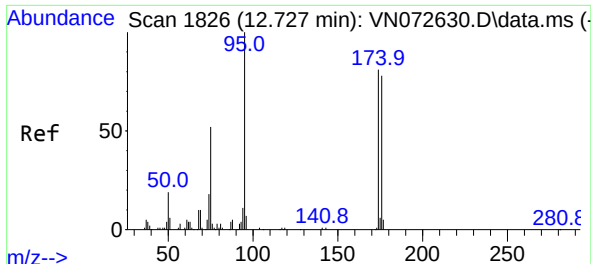


#58
4-Methyl-2-Pentanone
Concen: 2.951 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30



Tgt Ion: 43 Resp: 12010
Ion Ratio Lower Upper
43 100
58 40.1 30.0 45.0
85 13.2 15.0 22.6#





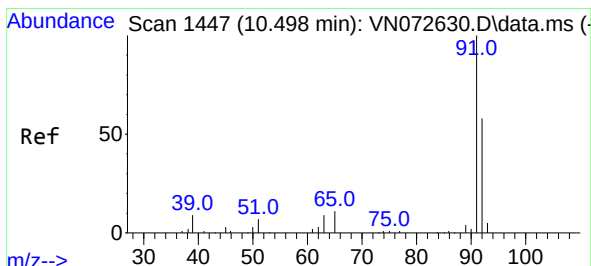
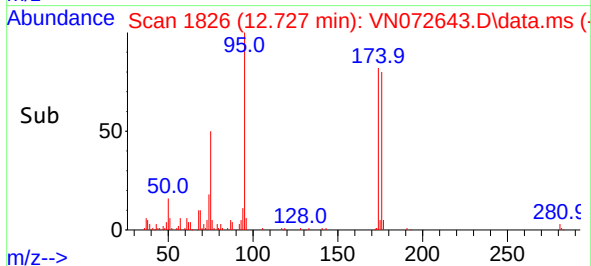
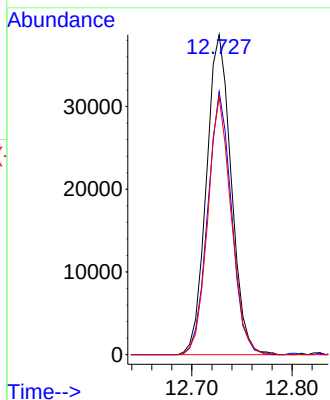
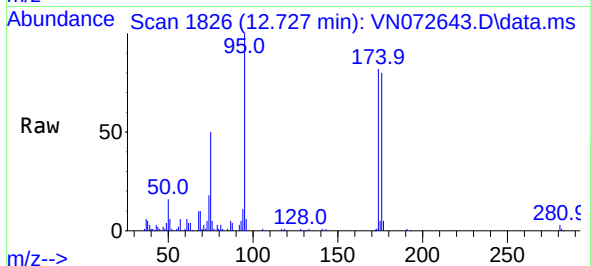
#60
4-Bromofluorobenzene
Concen: 26.945 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

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SEMI-ANNUAL-CONDENSATE

Tgt Ion: 95 Resp: 66684
Ion Ratio Lower Upper
95 100
174 78.5 62.9 94.3
176 76.1 61.0 91.4

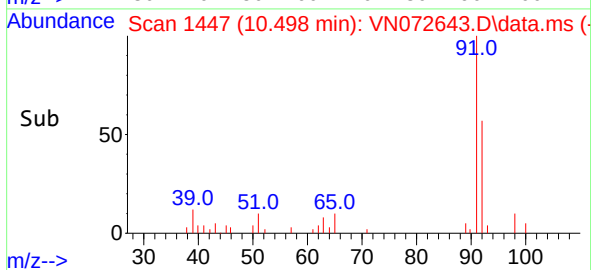
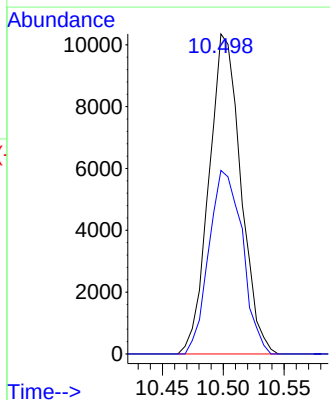
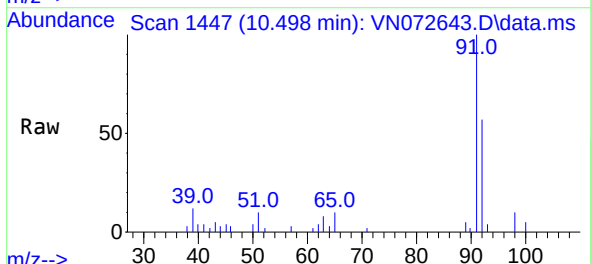
Manual Integrations
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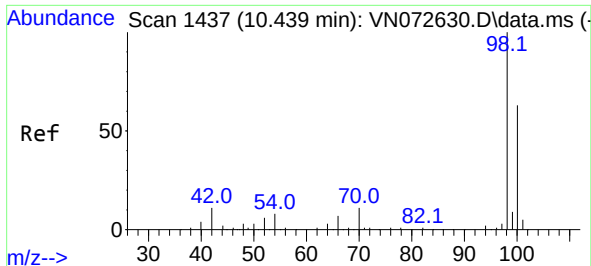
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#62
Toluene
Concen: 1.907 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

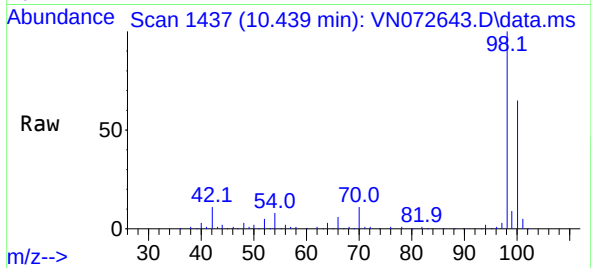
Tgt Ion: 91 Resp: 18861
Ion Ratio Lower Upper
91 100
92 60.2 44.6 67.0





#63
Toluene-d8
Concen: 29.809 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

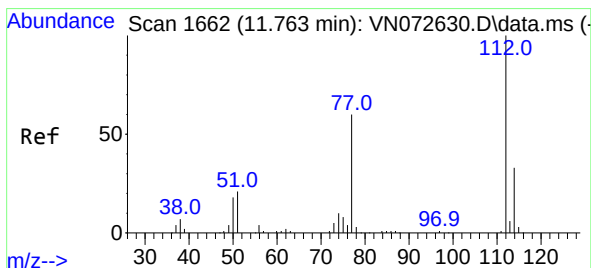
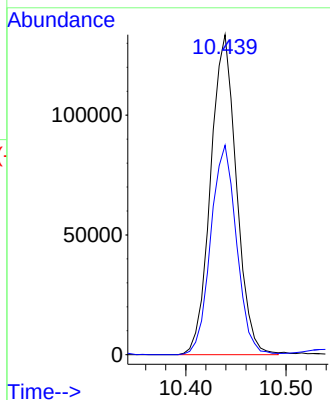
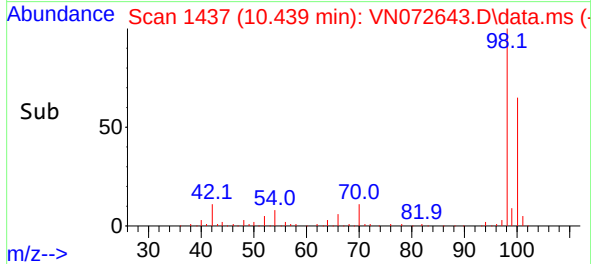
Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE



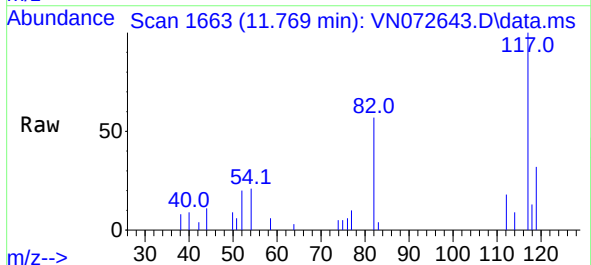
Tgt Ion: 98 Resp: 23884
Ion Ratio Lower Upper
98 100
100 65.5 50.6 76.0

Manual Integrations
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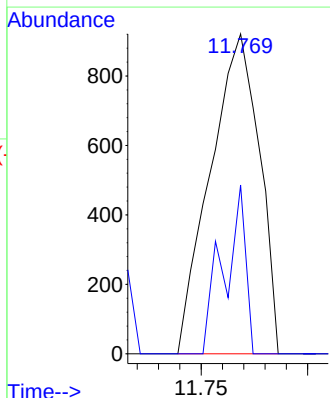
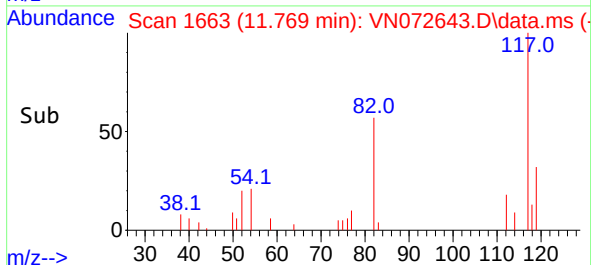
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

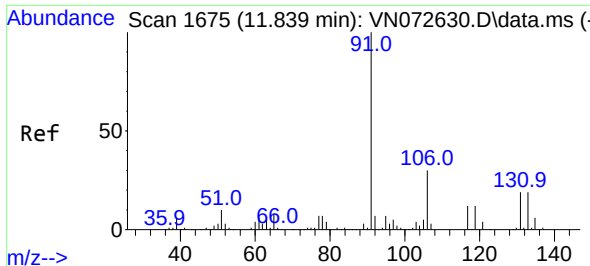


#64
Chlorobenzene
Concen: 0.256 ug/l
RT: 11.769 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30



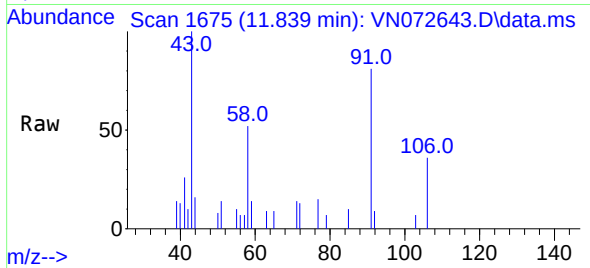
Tgt Ion:112 Resp: 1470
Ion Ratio Lower Upper
112 100
114 52.8 25.8 38.6#





#66
Ethyl Benzene
Concen: 0.342 ug/l m
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

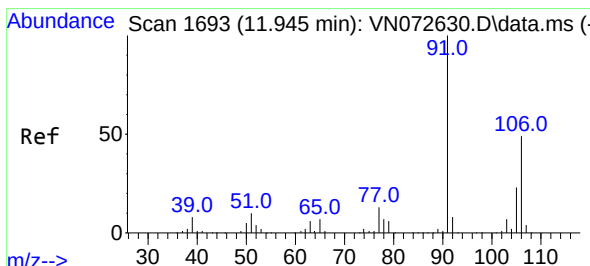
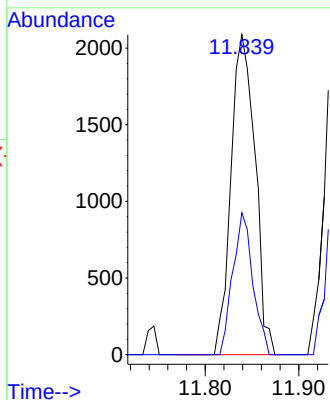
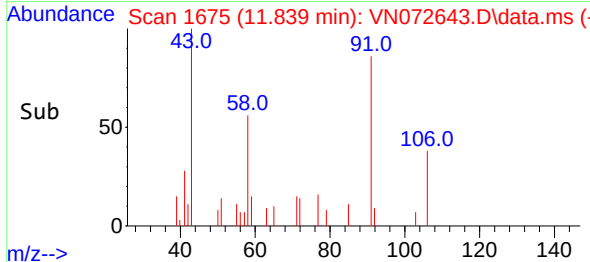
Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE



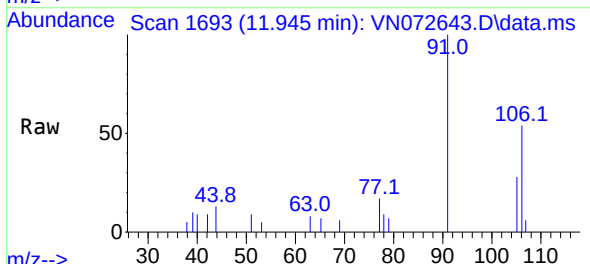
Tgt Ion: 91 Resp: 372
Ion Ratio Lower Upper
91 100
106 44.3 24.0 36.0

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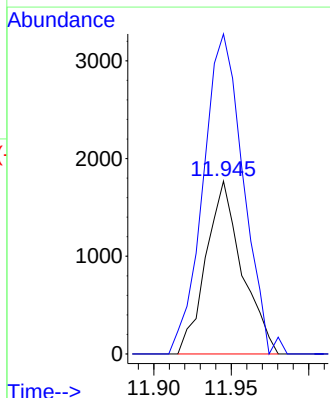
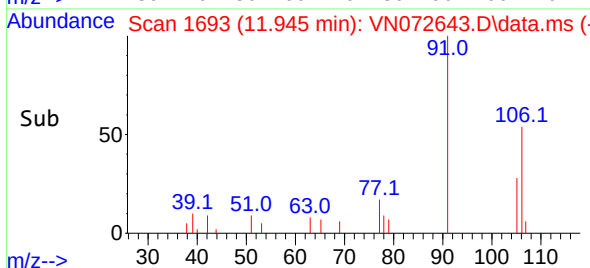
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

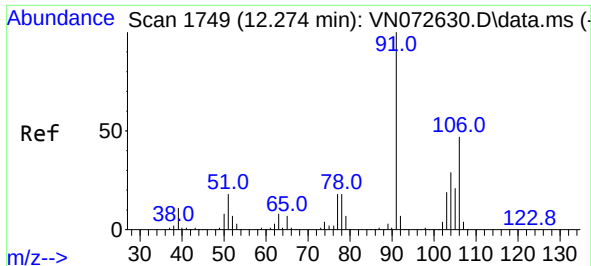


#67
m/p-Xylenes
Concen: 0.723 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30



Tgt Ion:106 Resp: 2867
Ion Ratio Lower Upper
106 100
91 203.6 162.9 244.3





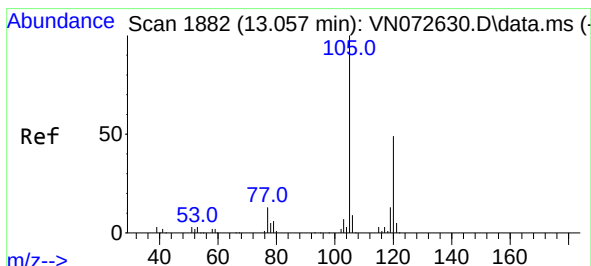
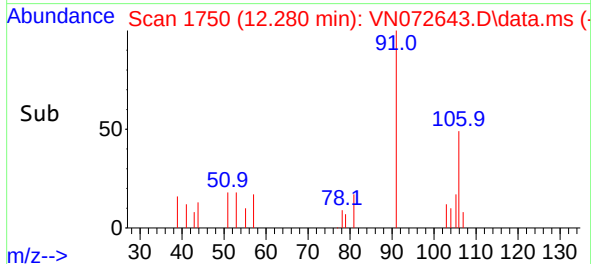
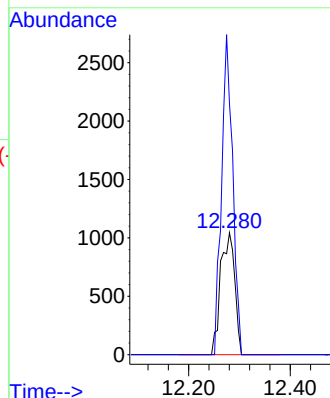
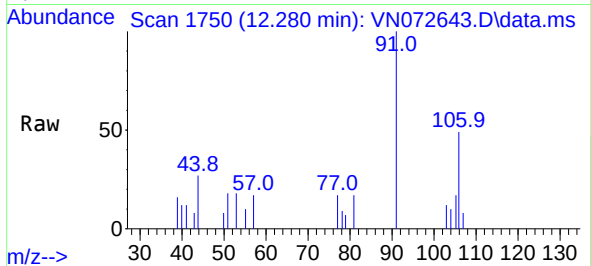
#68
o-Xylene
Concen: 0.505 ug/l m
RT: 12.280 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Tgt Ion:106 Resp: 1994
Ion Ratio Lower Upper
106 100
91 292.7 107.7 323.1

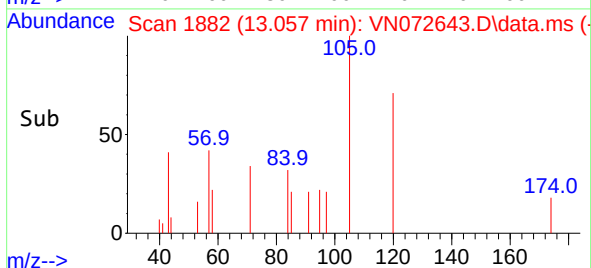
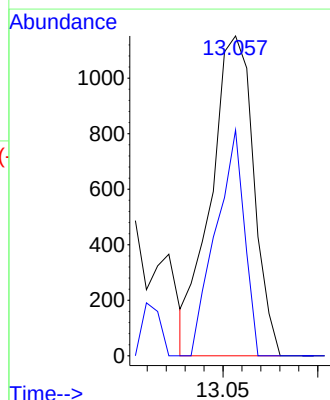
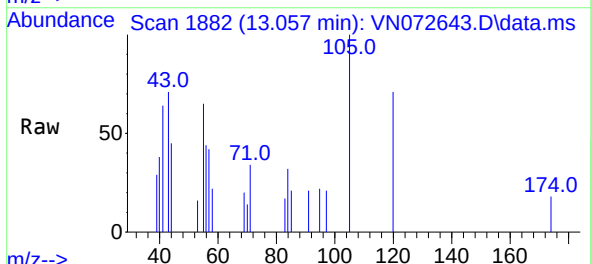
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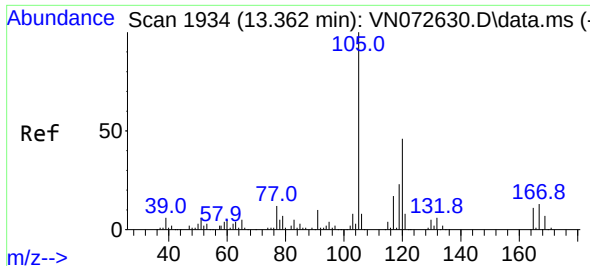
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#76
1,3,5-Trimethylbenzene
Concen: 0.227 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

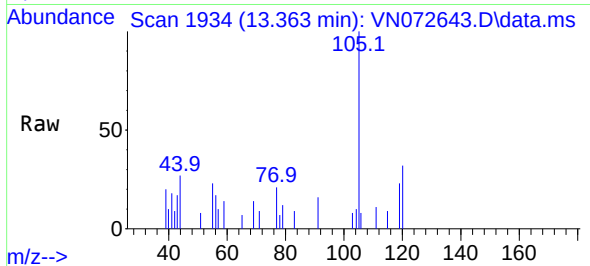
Tgt Ion:105 Resp: 1810
Ion Ratio Lower Upper
105 100
120 47.1 0.0 93.8





#80
1,2,4-Trimethylbenzene
Concen: 0.489 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30

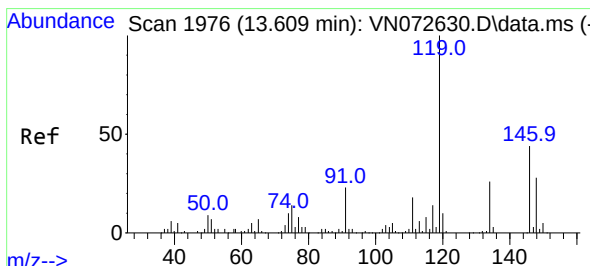
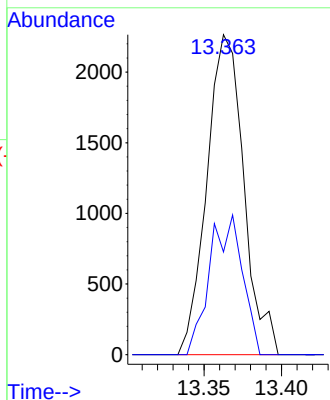
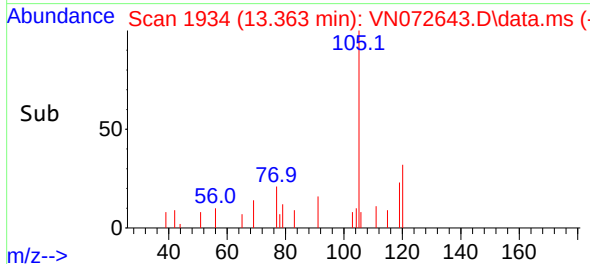
Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE



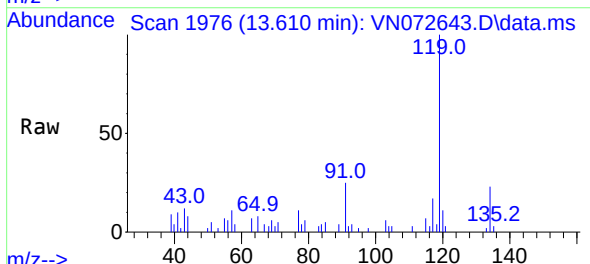
Tgt Ion:105 Resp: 3754
Ion Ratio Lower Upper
105 100
120 38.7 0.0 0.2

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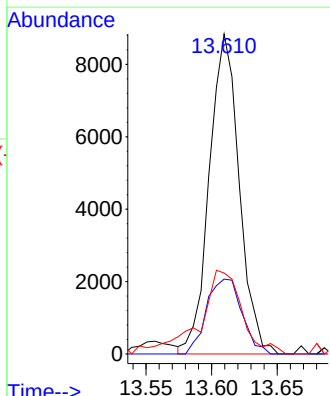
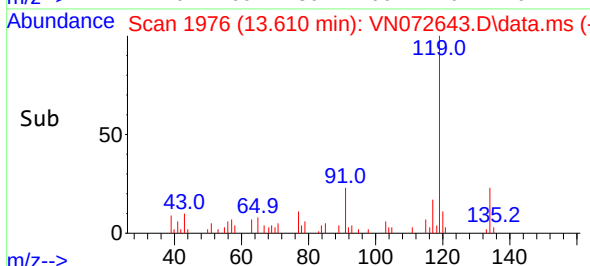
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

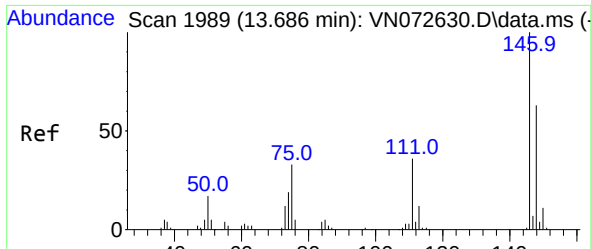


#82
p-Isopropyltoluene
Concen: 1.795 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VN072643.D
Acq: 26 May 2022 21:30



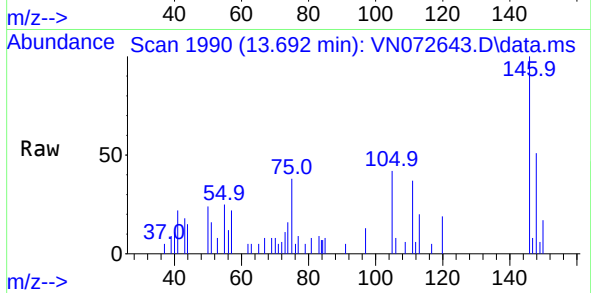
Tgt Ion:119 Resp: 14021
Ion Ratio Lower Upper
119 100
134 27.6 0.0 51.8
91 23.6 0.0 50.4





#84
 1,4-Dichlorobenzene
 Concen: 1.473 ug/l
 RT: 13.692 min Scan# 1990
 Delta R.T. 0.006 min
 Lab File: VN072643.D
 Acq: 26 May 2022 21:30

Instrument : MSVOA_N
 ClientSampleId : SEMI-ANNUAL-CONDENSATE



Tgt Ion:	146	Resp:	550
Ion Ratio	Lower	Upper	
146	100		
111	42.2	19.5	58.5
148	56.0	31.1	93.5

Manual Integrations
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Reviewed By :John Carlone 05/27/2022
 Supervised By :Mahesh Dadoda 05/27/2022

