

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075674.D
 Acq On : 09 Dec 2022 18:07
 Operator : JC\MD
 Sample : N5906-11DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 H-1RDL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022

Quant Time: Dec 12 03:10:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	217820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	118558	51.299	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.600%			
35) Dibromofluoromethane	8.171	113	106529	49.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.780%			
50) Toluene-d8	10.571	98	409942	51.122	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.853	95	134338	48.998	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.000%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	30516	89.253	ug/l	96
19) Methyl tert-butyl Ether	5.806	73	7549	1.203	ug/l #	1
22) Diisopropyl ether	6.677	45	10107	1.912	ug/l #	89
31) Cyclohexane	8.236	56	8009	2.341	ug/l #	53
39) Methylcyclohexane	9.606	83	3029m	0.842	ug/l	
40) Benzene	8.612	78	38983	4.480	ug/l	99
52) Toluene	10.630	92	1233	0.214	ug/l	97
67) Ethyl Benzene	11.965	91	16412	1.522	ug/l	92
68) m/p-Xylenes	12.076	106	2674	0.614	ug/l	93
69) o-Xylene	12.400	106	1573	0.372	ug/l	99
73) Isopropylbenzene	12.694	105	37488	3.548	ug/l	99
78) n-propylbenzene	13.035	91	47712	4.069	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	4008	0.454	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	71186	8.018	ug/l	98
85) sec-Butylbenzene	13.618	105	11838	1.075	ug/l #	69
89) n-Butylbenzene	14.059	91	5499	0.745	ug/l #	81
95) Naphthalene	15.647	128	35220	5.020	ug/l	99

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

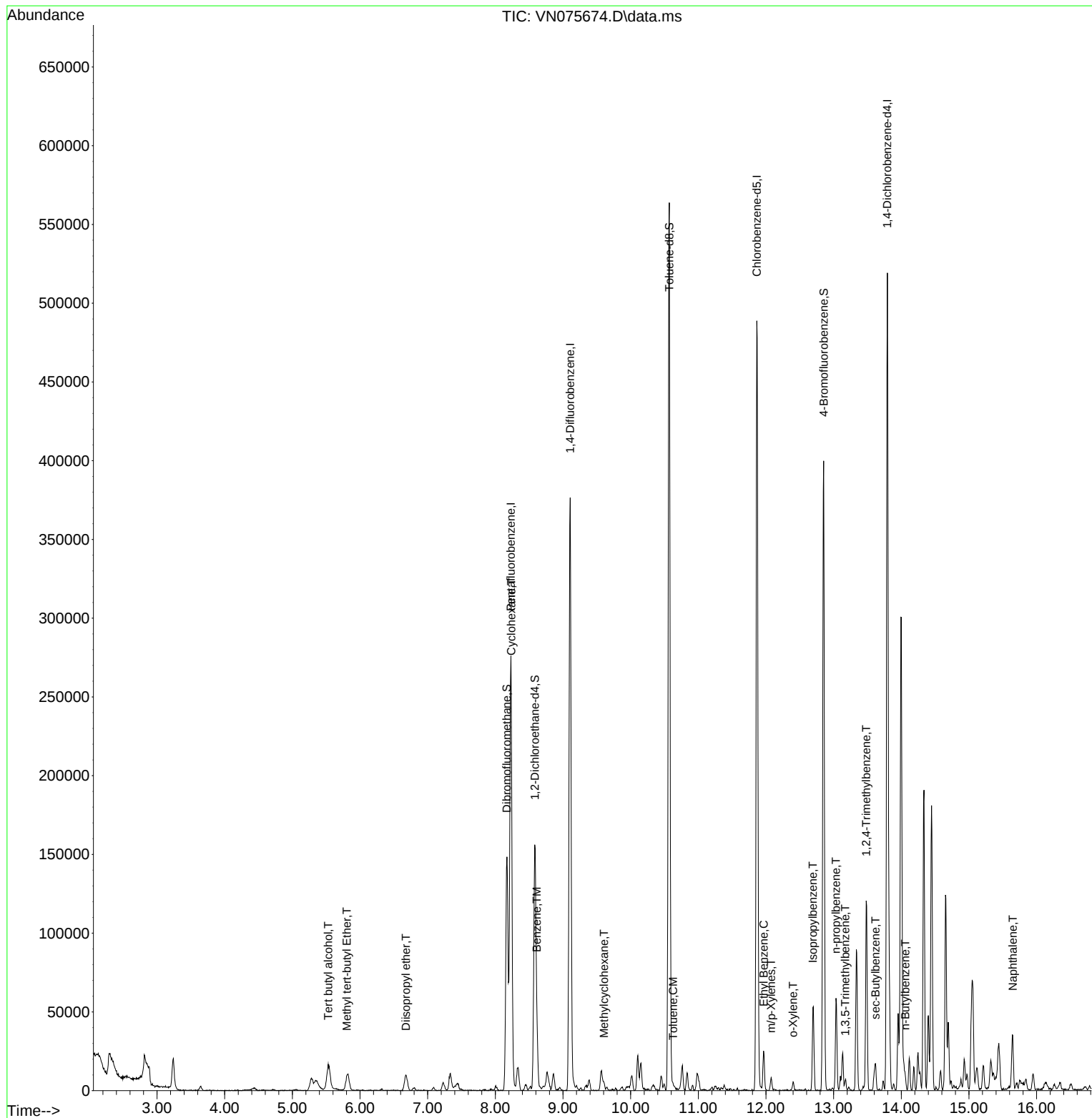
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
Data File : VN075674.D
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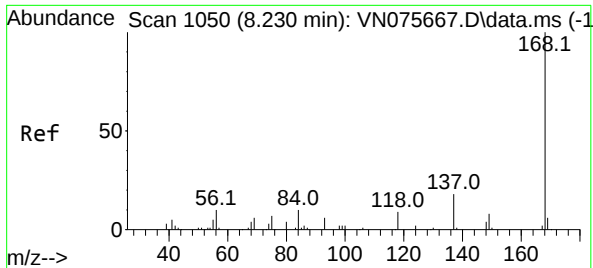
Instrument :
MSVOA_N
ClientSampleId :
H-1RDL

Quant Time: Dec 12 03:10:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 12 03:01:58 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

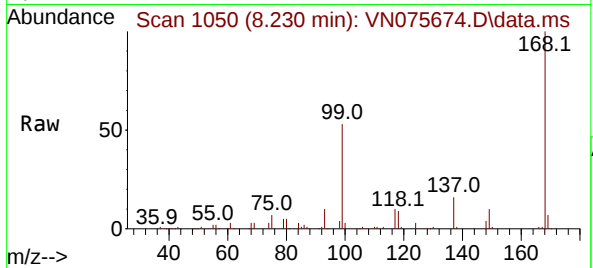
Reviewed By : John Carlone 12/12/2022
Supervised By : Mahesh Dadoda 12/12/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

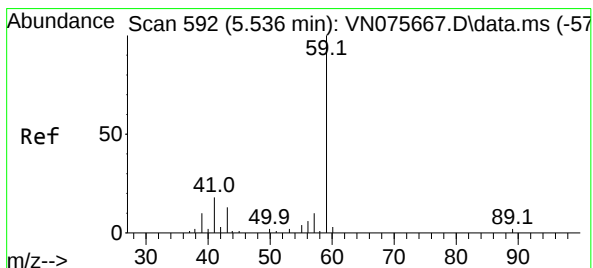
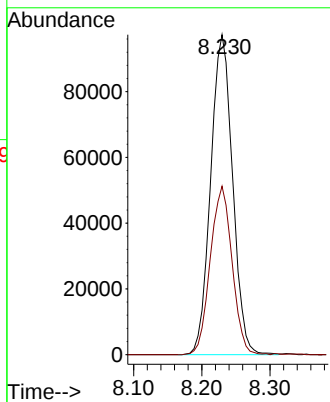
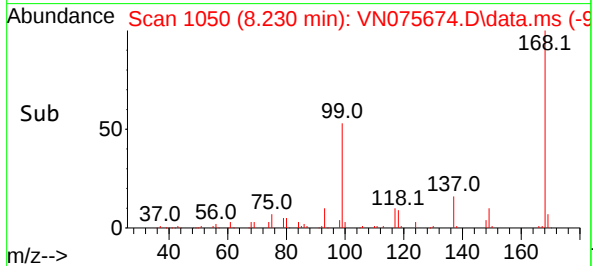
Instrument :
MSVOA_N
ClientSampleId :
H-1RDL



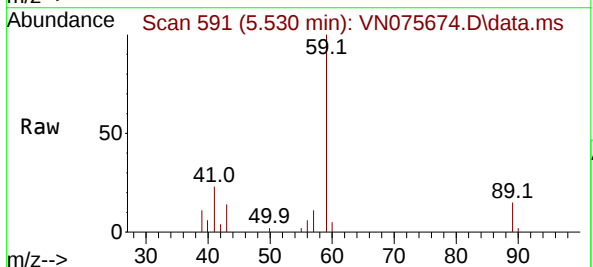
Tgt Ion:168 Resp: 217820
Ion Ratio Lower Upper
168 100
99 52.6 41.2 61.8

Manual Integrations
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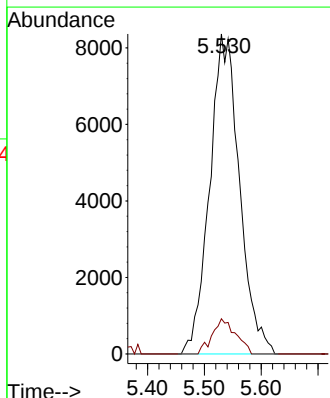
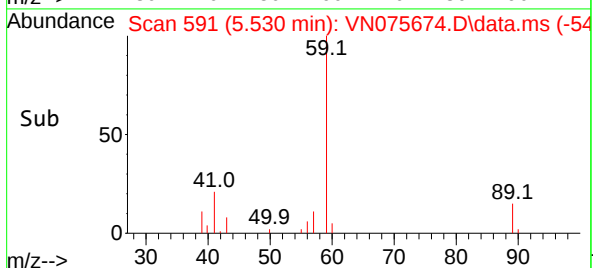
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

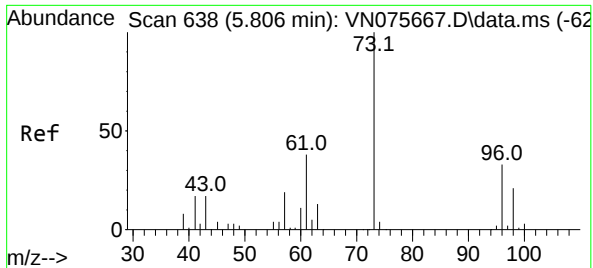


#11
Tert butyl alcohol
Concen: 89.253 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07



Tgt Ion: 59 Resp: 30516
Ion Ratio Lower Upper
59 100
57 8.6 8.2 12.4





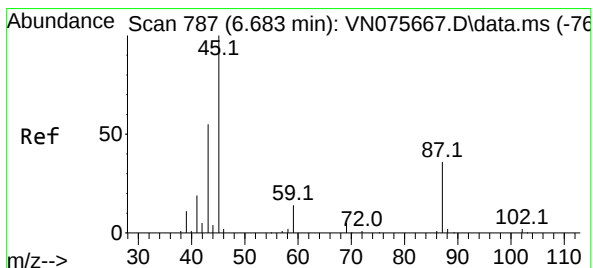
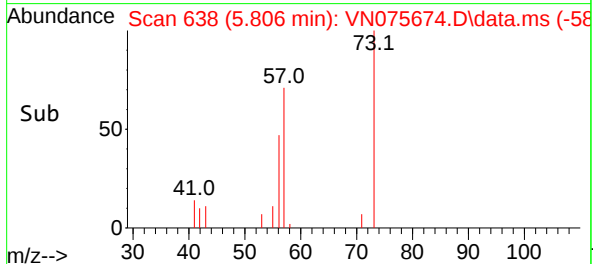
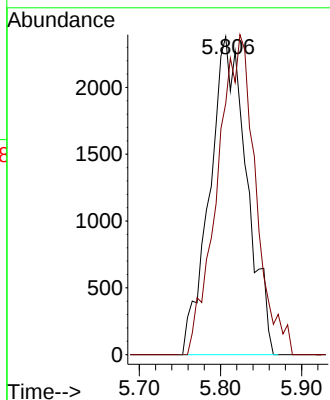
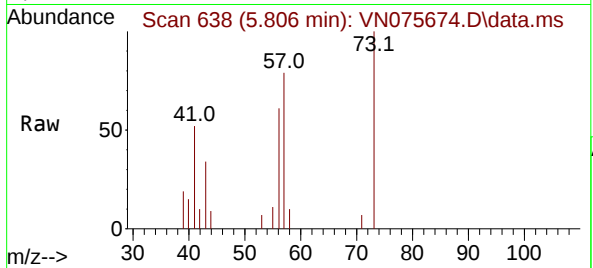
#19
Methyl tert-butyl Ether
Concen: 1.203 ug/l
RT: 5.806 min Scan# 614
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

Instrument :
MSVOA_N
ClientSampleId :
H-1RDL

Tgt Ion: 73 Resp: 7549
Ion Ratio Lower Upper
73 100
57 79.0 15.1 22.7

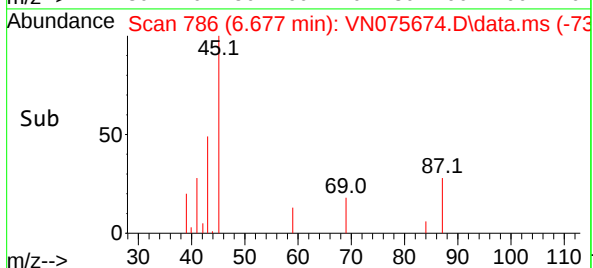
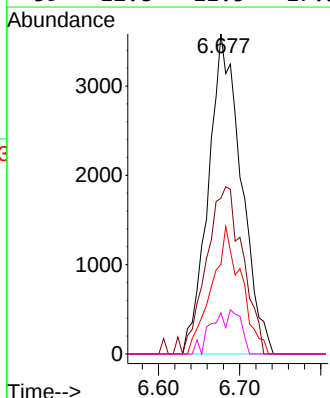
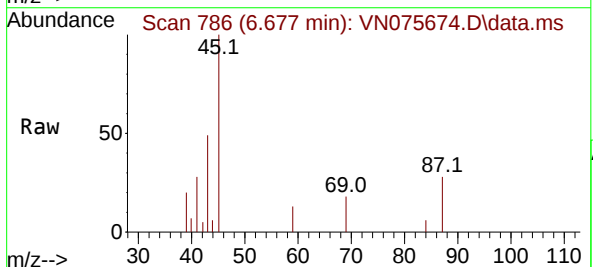
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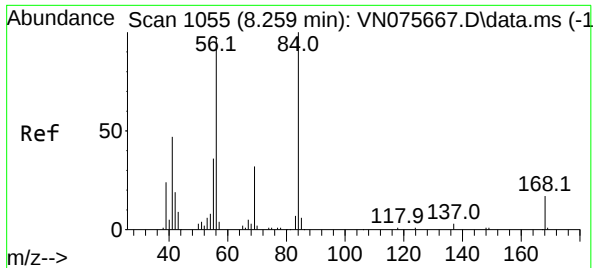
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#22
Diisopropyl ether
Concen: 1.912 ug/l
RT: 6.677 min Scan# 786
Delta R.T. -0.006 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

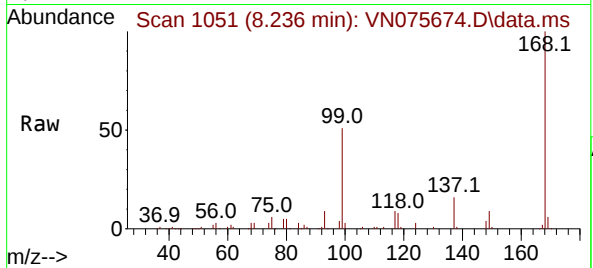
Tgt Ion: 45 Resp: 10107
Ion Ratio Lower Upper
45 100
43 48.6 44.9 67.3
87 28.0 28.8 43.2#
59 12.8 11.5 17.3





#31
Cyclohexane
Concen: 2.341 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

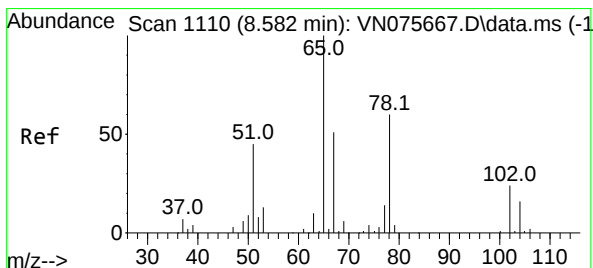
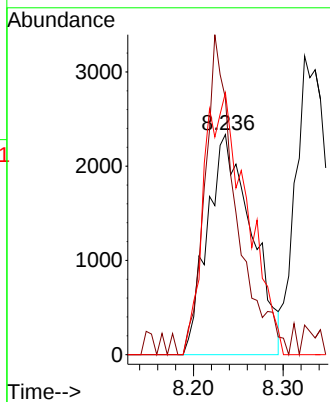
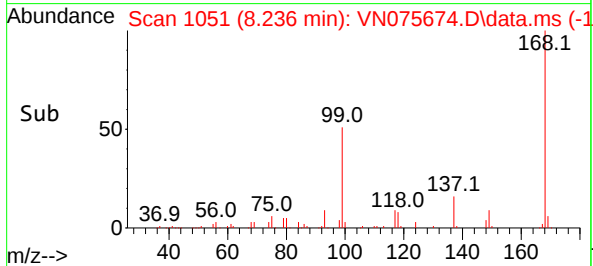
Instrument :
MSVOA_N
ClientSampleId :
H-1RDL



Tgt Ion: 56 Resp: 8009
Ion Ratio Lower Upper
56 100
69 116.6 26.2 39.2
84 119.0 82.8 124.2

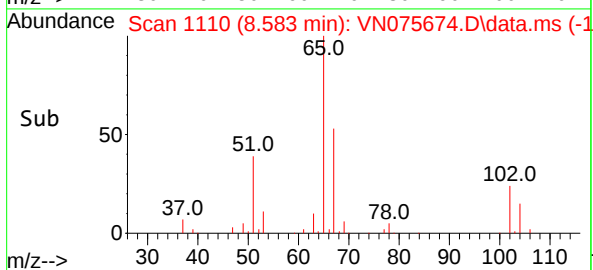
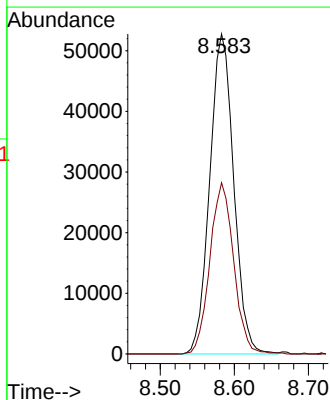
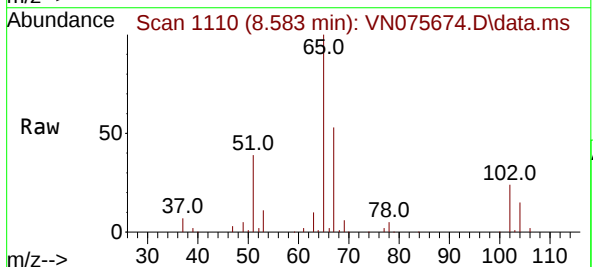
Manual Integrations
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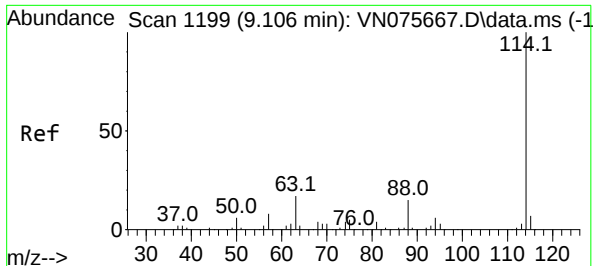
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#33
1,2-Dichloroethane-d4
Concen: 51.299 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

Tgt Ion: 65 Resp: 118558
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075674.D

Acq: 09 Dec 2022 18:07

Instrument :

MSVOA_N

ClientSampleId :

H-1RDL

Tgt Ion:114 Resp: 349979

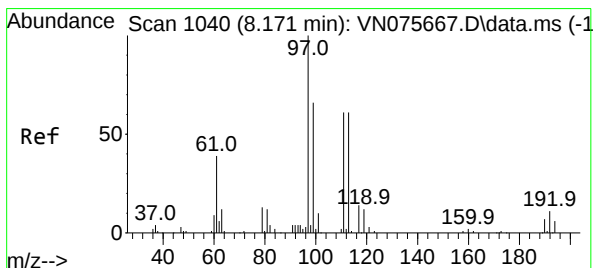
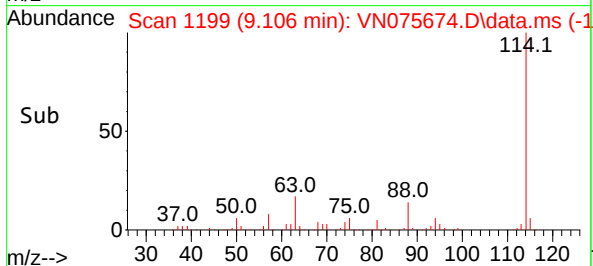
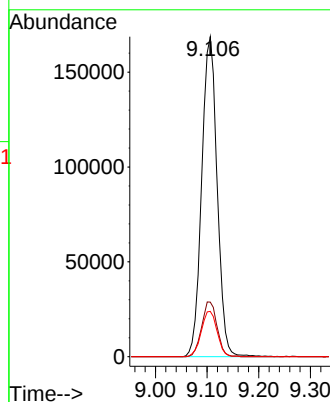
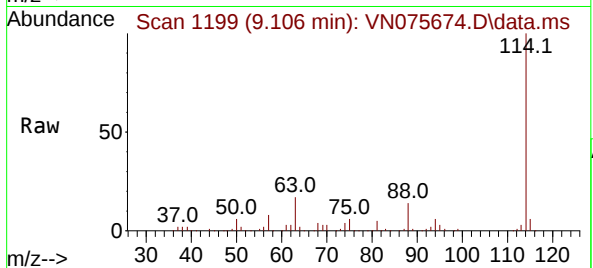
Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	34.4
88	14.2	0.0	29.2

Manual Integrations

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Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#35

Dibromofluoromethane

Concen: 49.890 ug/l

RT: 8.171 min Scan# 1040

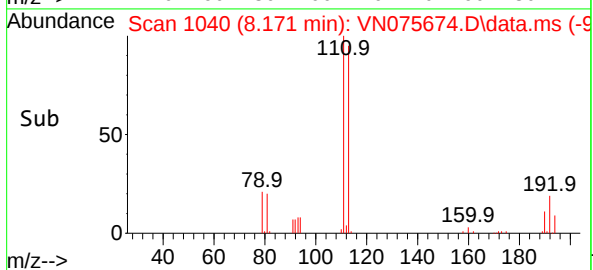
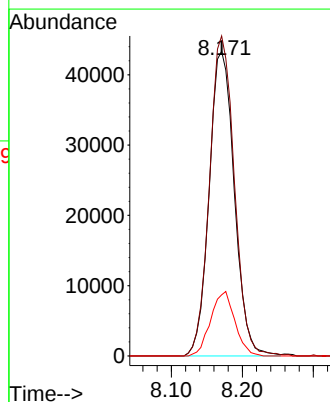
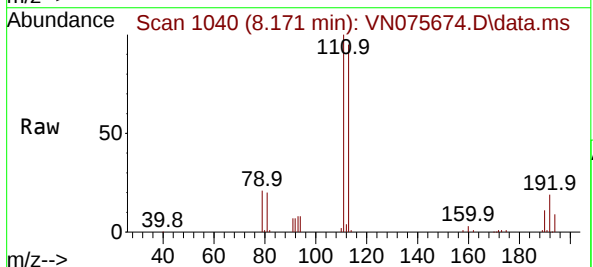
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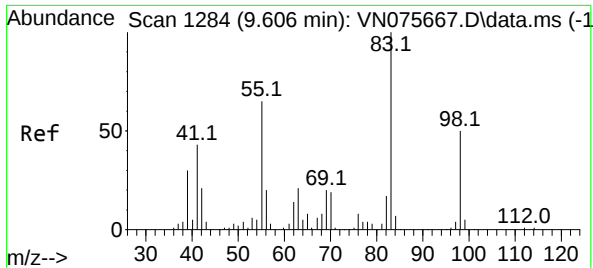
Lab File: VN075674.D

Acq: 09 Dec 2022 18:07

Tgt Ion:113 Resp: 106529

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.6
192	20.4	16.2	24.2





#39

Methylcyclohexane

Concen: 0.842 ug/l m

RT: 9.606 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN075674.D

Acq: 09 Dec 2022 18:07

Instrument :

MSVOA_N

ClientSampleId :

H-1RDL

Tgt Ion: 83 Resp: 3029

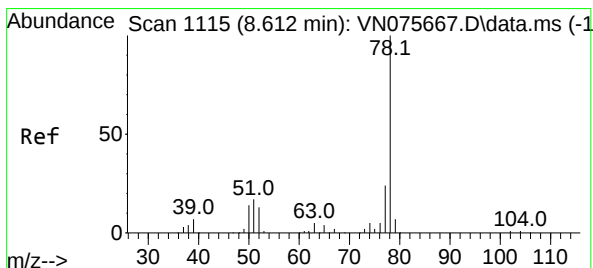
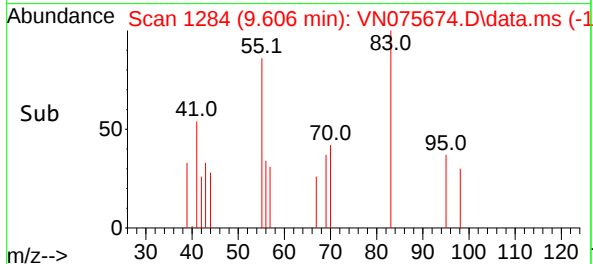
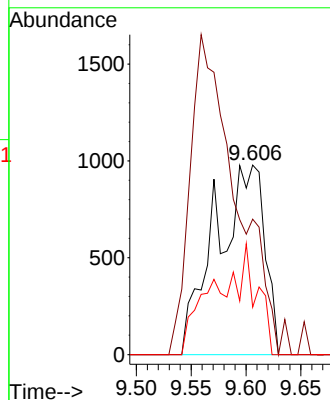
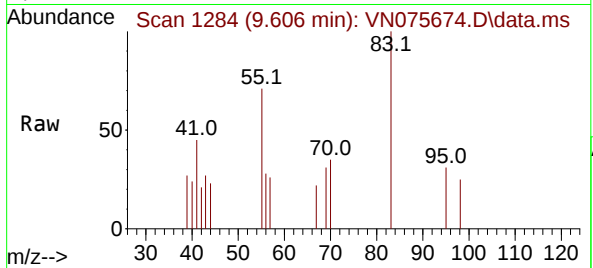
Ion	Ratio	Lower	Upper
83	100		
55	71.4	51.6	77.4
98	25.0	39.8	59.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/12/2022



#40

Benzene

Concen: 4.480 ug/l

RT: 8.612 min Scan# 1115

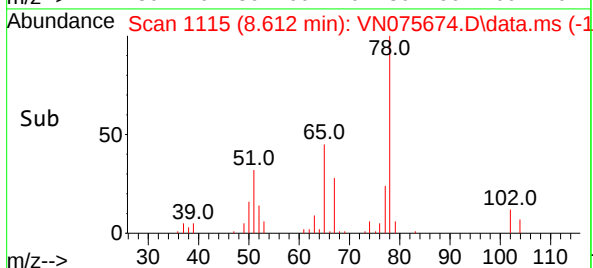
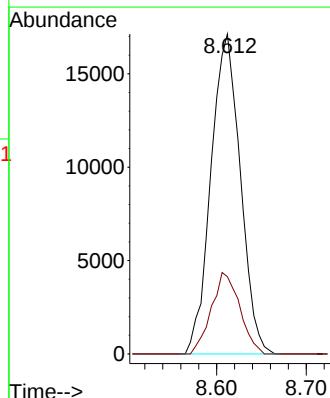
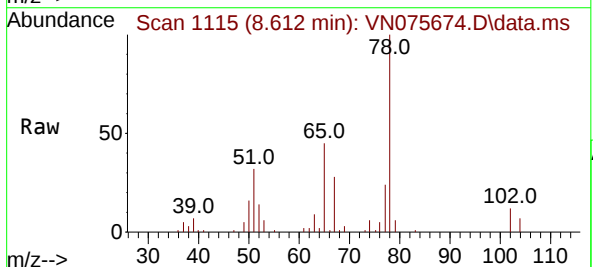
Delta R.T. 0.000 min

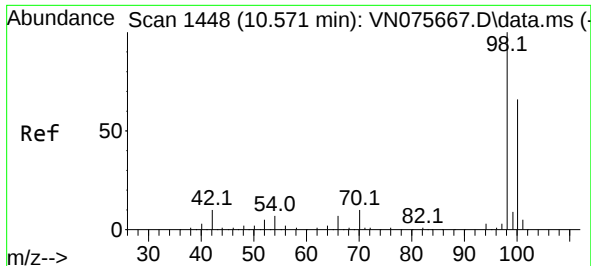
Lab File: VN075674.D

Acq: 09 Dec 2022 18:07

Tgt Ion: 78 Resp: 38983

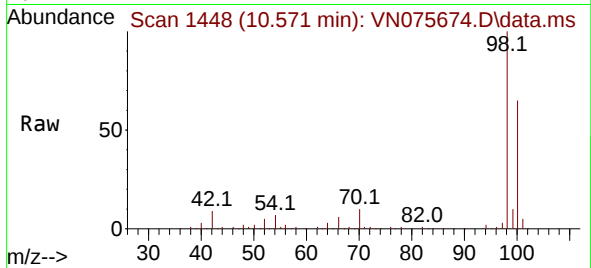
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





#50
Toluene-d8
Concen: 51.122 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

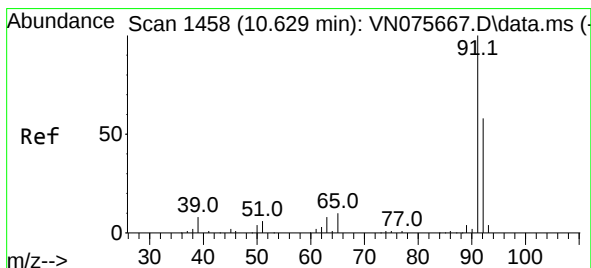
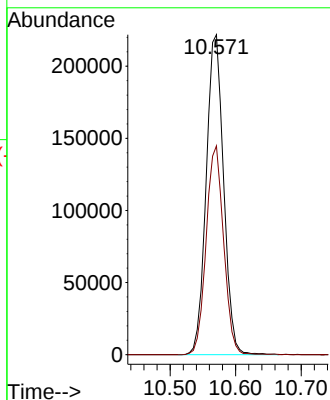
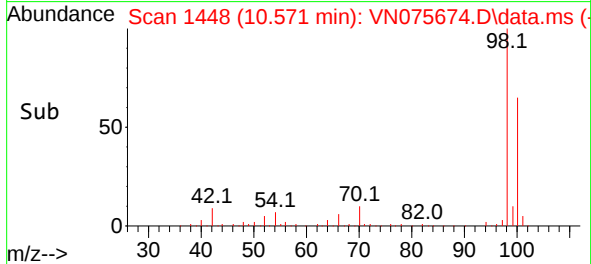
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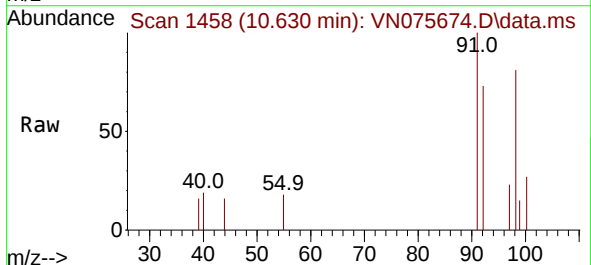
Tgt Ion: 98 Resp: 40994
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

Manual Integrations
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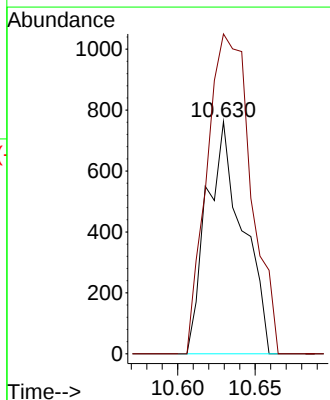
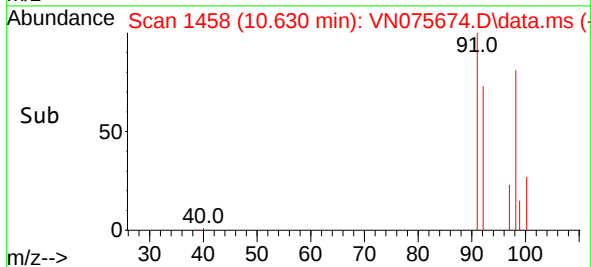
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

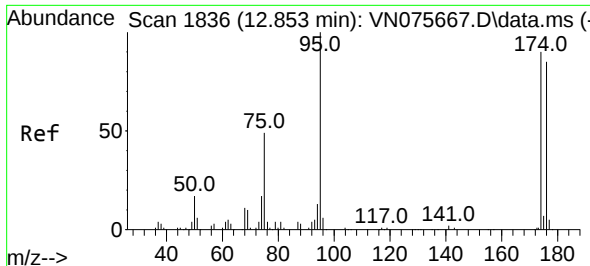


#52
Toluene
Concen: 0.214 ug/l
RT: 10.630 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07



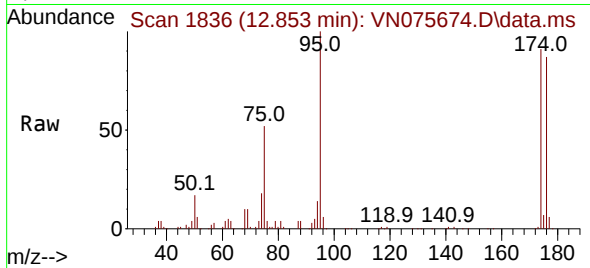
Tgt Ion: 92 Resp: 1233
Ion Ratio Lower Upper
92 100
91 168.5 137.9 206.9





#62
4-Bromofluorobenzene
Concen: 48.998 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

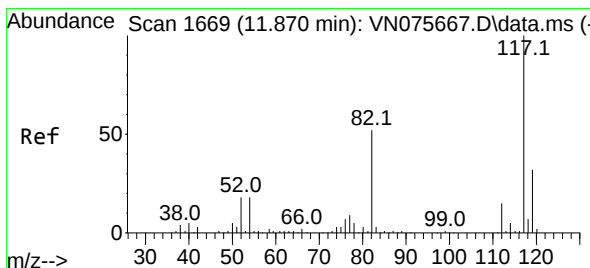
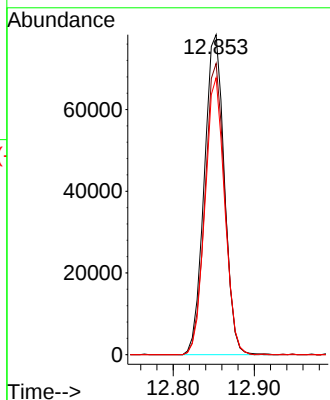
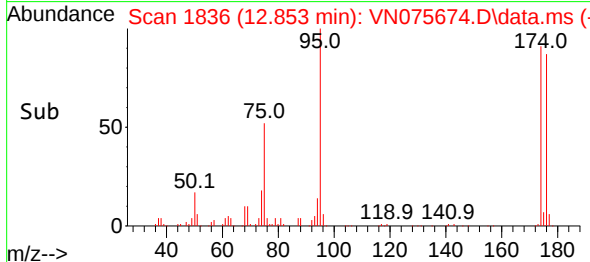
Instrument :
MSVOA_N
ClientSampleId :
H-1RDL



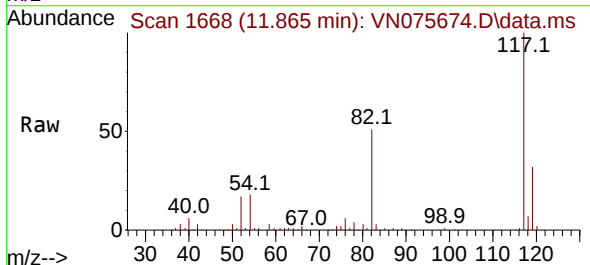
Tgt Ion: 95 Resp: 134338
Ion Ratio Lower Upper
95 100
174 89.4 0.0 178.6
176 84.6 0.0 170.8

Manual Integrations
APPROVED

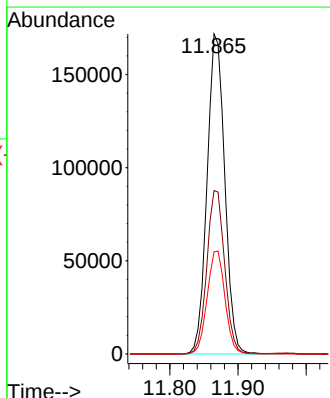
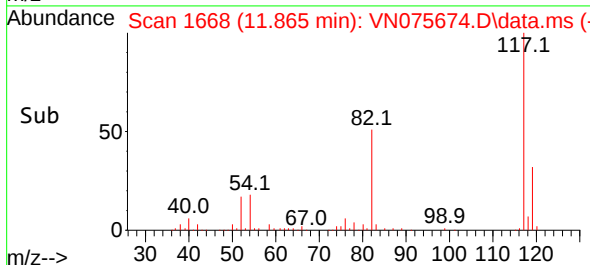
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

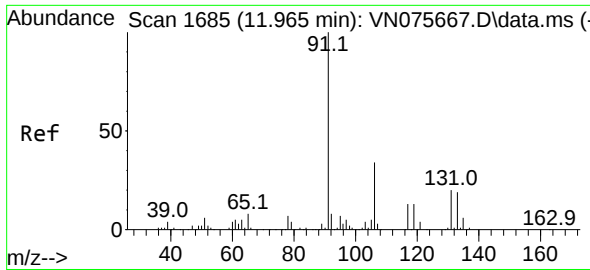


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07



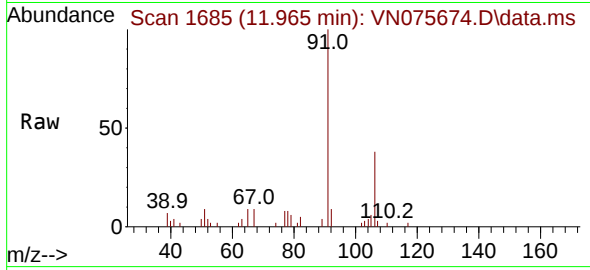
Tgt Ion:117 Resp: 309813
Ion Ratio Lower Upper
117 100
82 51.1 41.8 62.8
119 31.9 25.8 38.6





#67
Ethyl Benzene
Concen: 1.522 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

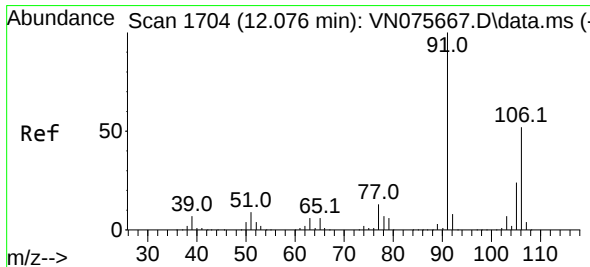
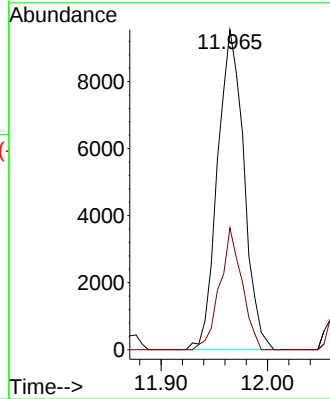
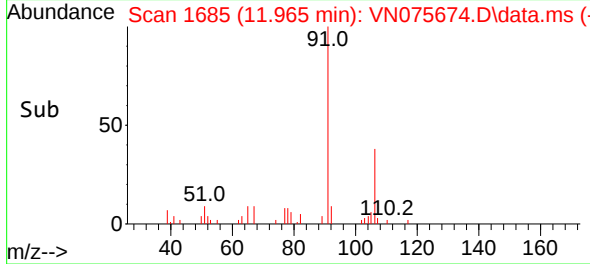
Instrument :
MSVOA_N
ClientSampleId :
H-1RDL



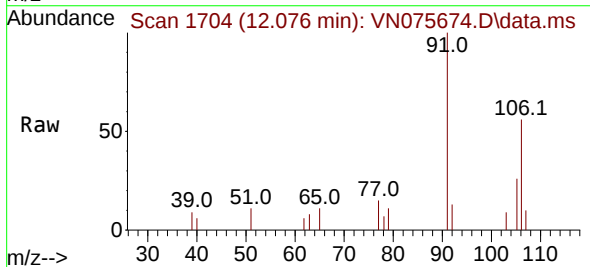
Tgt Ion: 91 Resp: 1641
Ion Ratio Lower Upper
91 100
106 38.0 26.9 40.3

Manual Integrations
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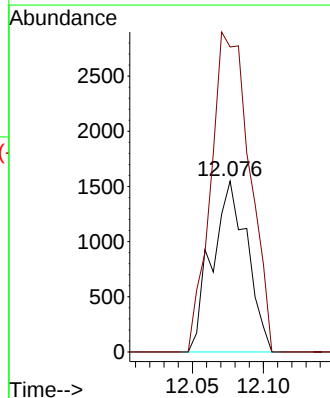
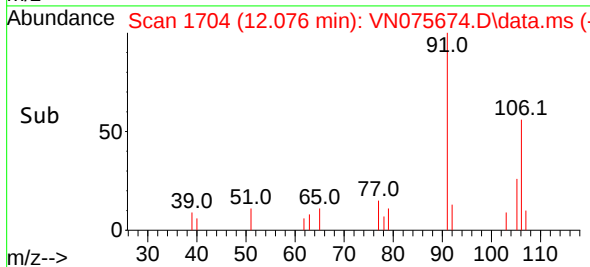
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

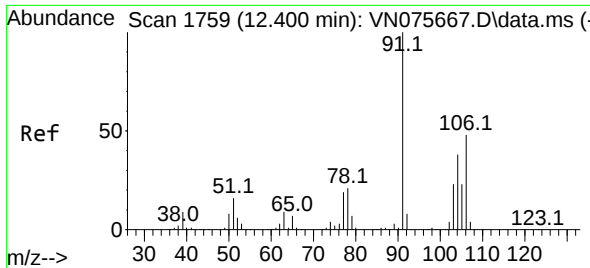


#68
m/p-Xylenes
Concen: 0.614 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07



Tgt Ion:106 Resp: 2674
Ion Ratio Lower Upper
106 100
91 206.4 156.2 234.4





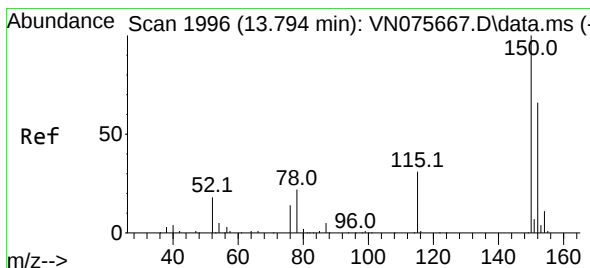
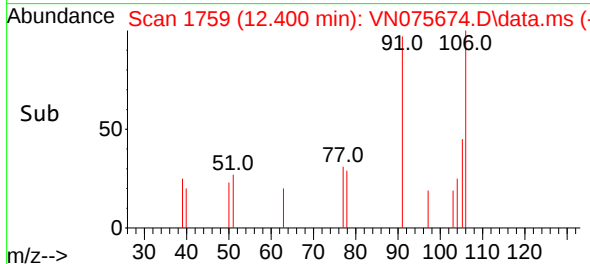
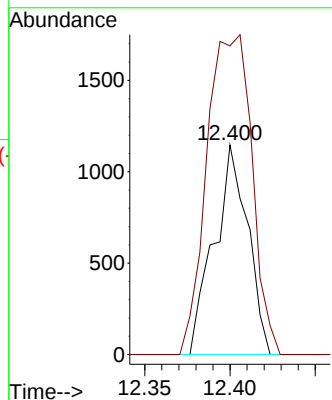
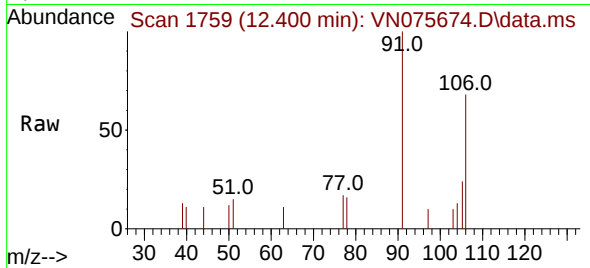
#69
o-Xylene
Concen: 0.372 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

Instrument :
MSVOA_N
ClientSampleId :
H-1RDL

Tgt Ion:106 Resp: 157
Ion Ratio Lower Upper
106 100
91 204.5 102.8 308.5

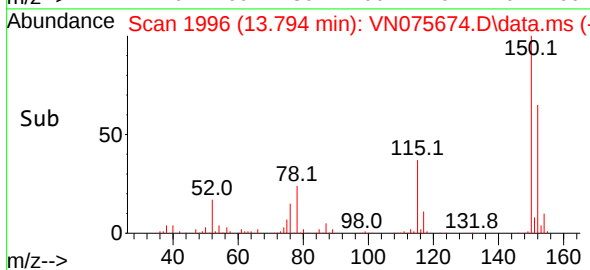
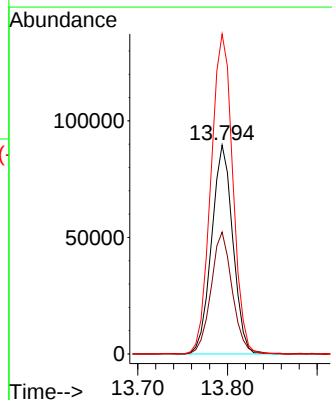
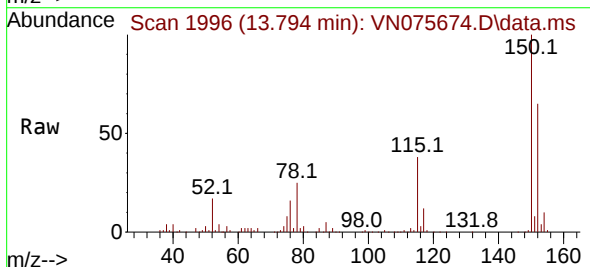
Manual Integrations
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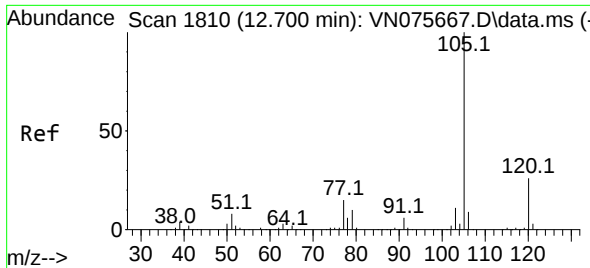
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

Tgt Ion:152 Resp: 147156
Ion Ratio Lower Upper
152 100
115 58.7 28.4 85.2
150 157.5 0.0 347.6





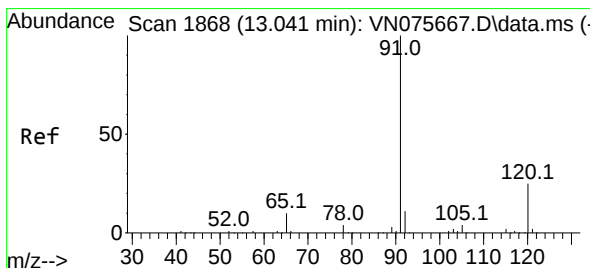
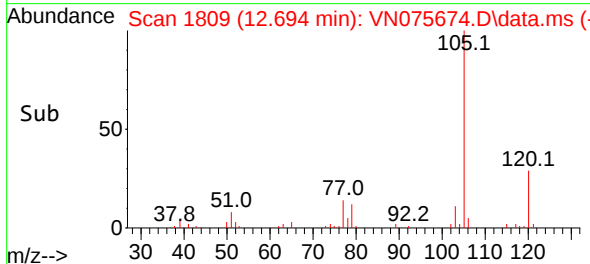
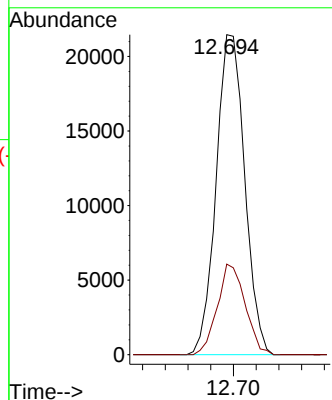
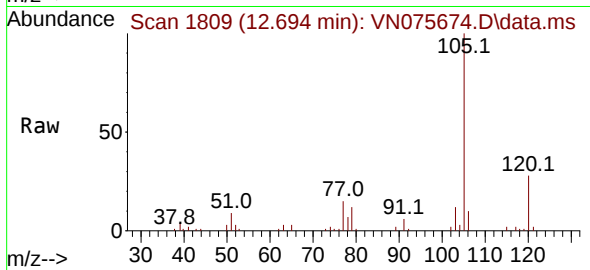
#73
Isopropylbenzene
Concen: 3.548 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

Instrument :
MSVOA_N
ClientSampleId :
H-1RDL

Tgt Ion:105 Resp: 3748
Ion Ratio Lower Upper
105 100
120 27.5 13.4 40.2

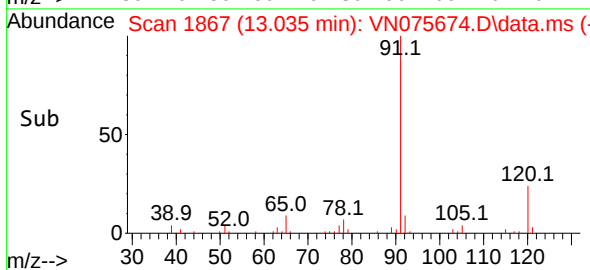
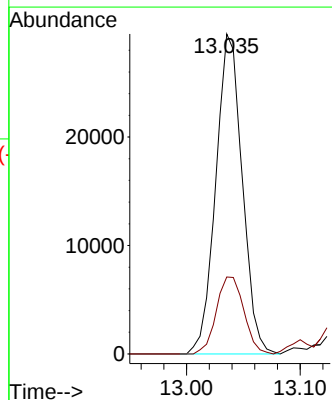
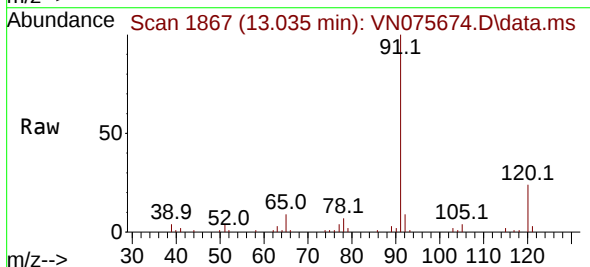
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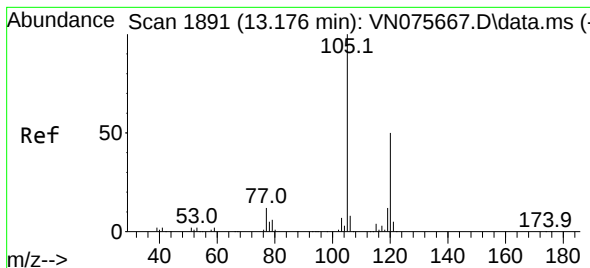
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#78
n-propylbenzene
Concen: 4.069 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

Tgt Ion: 91 Resp: 47712
Ion Ratio Lower Upper
91 100
120 25.0 12.1 36.3





#80

1,3,5-Trimethylbenzene

Concen: 0.454 ug/l

RT: 13.171 min Scan# 1891

Delta R.T. -0.006 min

Lab File: VN075674.D

Acq: 09 Dec 2022 18:07

Instrument :

MSVOA_N

ClientSampleId :

H-1RDL

Tgt Ion:105 Resp: 4008

Ion Ratio Lower Upper

105 100

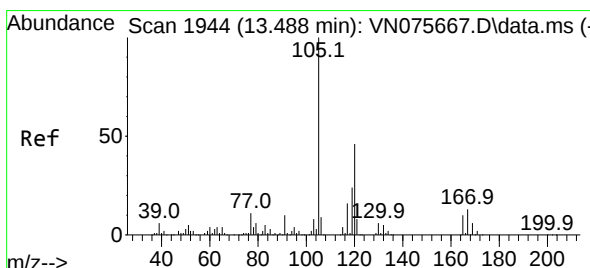
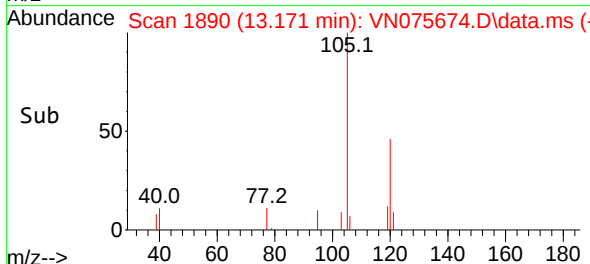
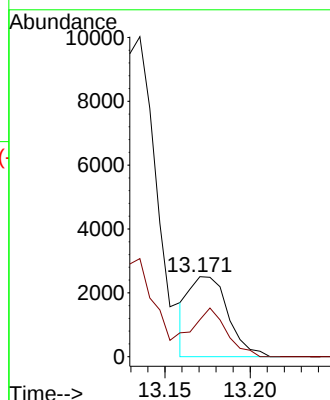
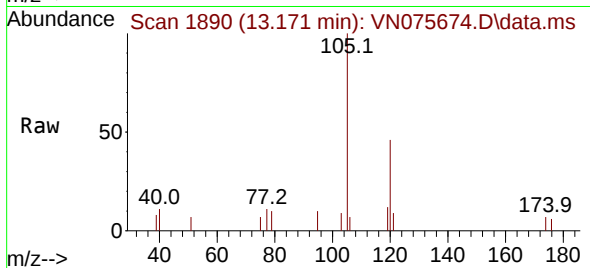
120 49.8 24.9 74.6

Manual Integrations

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Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#84

1,2,4-Trimethylbenzene

Concen: 8.018 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. -0.006 min

Lab File: VN075674.D

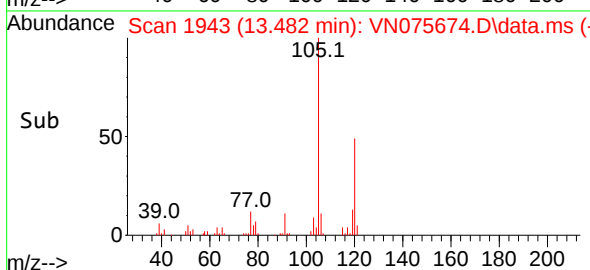
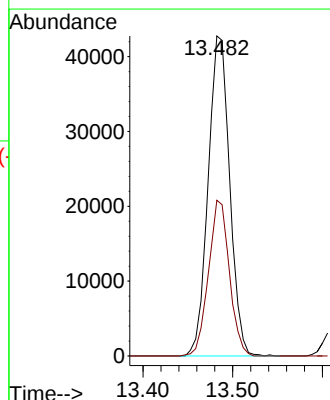
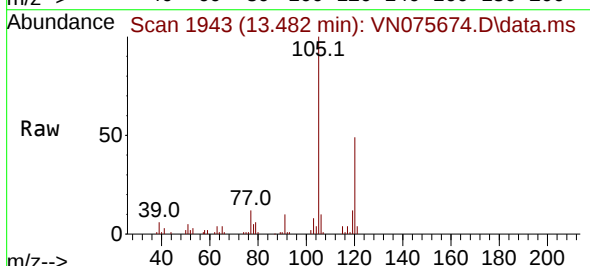
Acq: 09 Dec 2022 18:07

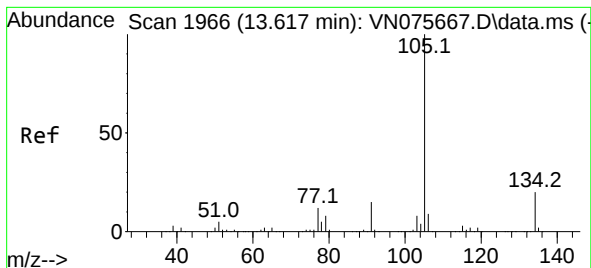
Tgt Ion:105 Resp: 71186

Ion Ratio Lower Upper

105 100

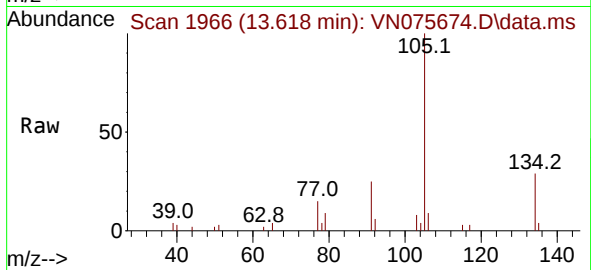
120 47.2 23.1 69.2





#85
 sec-Butylbenzene
 Concen: 1.075 ug/l
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN075674.D
 Acq: 09 Dec 2022 18:07

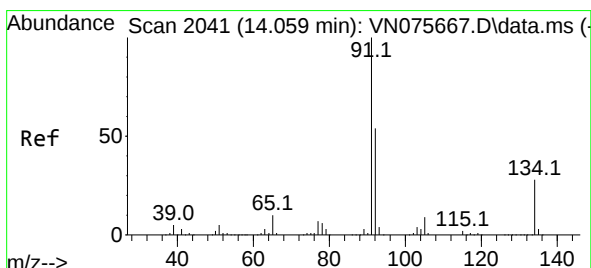
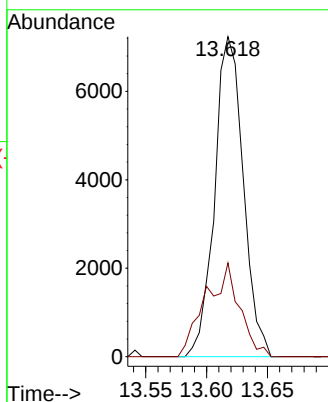
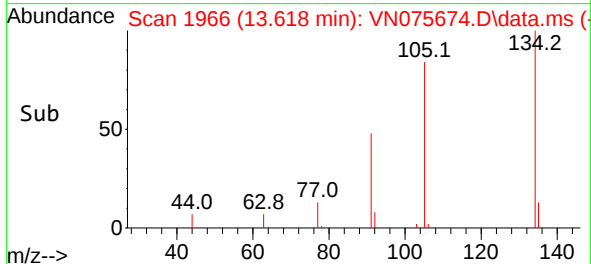
Instrument :
 MSVOA_N
 ClientSampleId :
 H-1RDL



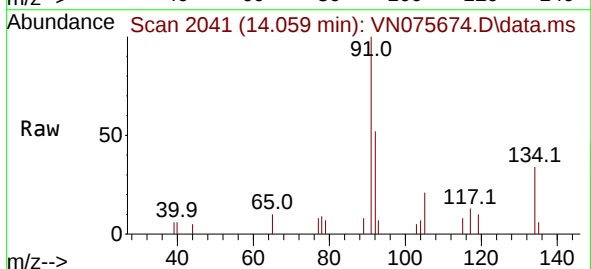
Tgt Ion:105 Resp: 11838
 Ion Ratio Lower Upper
 105 100
 134 34.7 10.2 30.6

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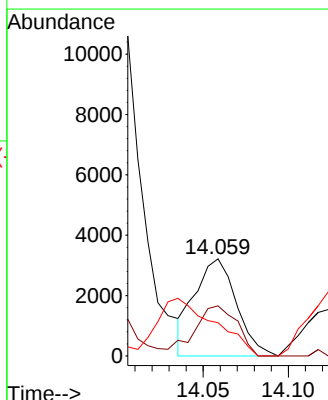
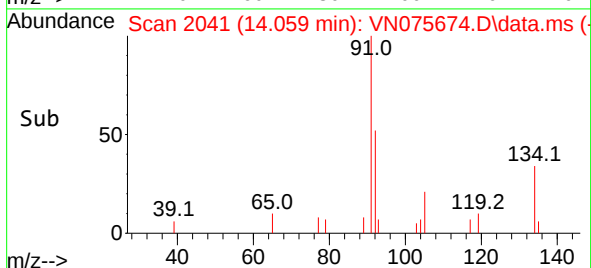
Reviewed By :John Carlone 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022

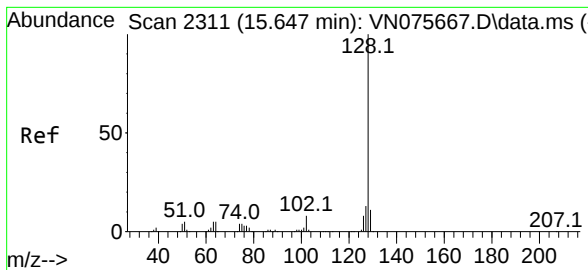


#89
 n-Butylbenzene
 Concen: 0.745 ug/l
 RT: 14.059 min Scan# 2041
 Delta R.T. 0.000 min
 Lab File: VN075674.D
 Acq: 09 Dec 2022 18:07



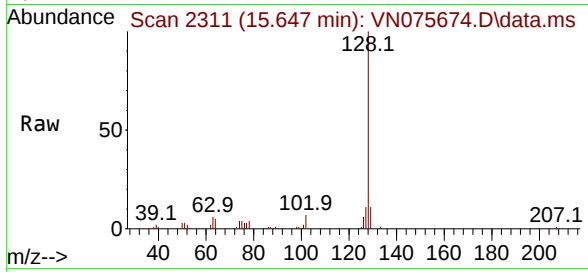
Tgt Ion: 91 Resp: 5499
 Ion Ratio Lower Upper
 91 100
 92 52.2 26.7 80.1
 134 0.0 13.9 41.7#





#95
Naphthalene
Concen: 5.020 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN075674.D
Acq: 09 Dec 2022 18:07

Instrument :
MSVOA_N
ClientSampleId :
H-1RDL



Tgt Ion:128 Resp: 35220
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.3 8.4 12.6

Manual Integrations
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Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

