

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075538.D
 Acq On : 02 Dec 2022 17:41
 Operator : JC\MD
 Sample : N5840-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-SILICA-1201

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 03 00:36:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	169461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	44239	48.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.260%		
35) Dibromofluoromethane	8.171	113	55607	51.489	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.980%		
50) Toluene-d8	10.571	98	118853	48.862	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.720%		
62) 4-Bromofluorobenzene	12.847	95	93596	52.131	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.260%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.971	74	146391	143.879	ug/l	94
11) Tert butyl alcohol	5.542	59	134998m	353.529	ug/l	
16) Acetone	4.436	43	278160	327.836	ug/l	97
18) Methyl Acetate	5.036	43	58204	26.605	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	84625	15.223	ug/l #	80
25) 2-Butanone	7.488	43	108117	91.271	ug/l	97
29) Tetrahydrofuran	7.859	42	4132	5.735	ug/l	88
31) Cyclohexane	8.265	56	19658	6.802	ug/l	95
39) Methylcyclohexane	9.606	83	18362	6.229	ug/l	92
40) Benzene	8.612	78	2548094	353.367	ug/l	99
43) Isopropyl Acetate	8.694	43	40449	11.883	ug/l	99
49) 1,4-Dioxane	9.706	88	4853	108.583	ug/l #	28
51) 4-Methyl-2-Pentanone	10.447	43	12744	5.878	ug/l	90
52) Toluene	10.635	92	3812052	820.364	ug/l	99
67) Ethyl Benzene	11.965	91	388004	43.401	ug/l	99
68) m/p-Xylenes	12.070	106	1175008	323.655	ug/l	98
69) o-Xylene	12.400	106	392672	108.861	ug/l	99
73) Isopropylbenzene	12.700	105	62541	6.786	ug/l	97
78) n-propylbenzene	13.041	91	41785	4.063	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	234307	30.601	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	421905	54.933	ug/l	100
85) sec-Butylbenzene	13.617	105	12214m	1.289	ug/l	
86) p-Isopropyltoluene	13.729	119	15485	1.943	ug/l	98
95) Naphthalene	15.641	128	15128	2.233	ug/l #	94

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

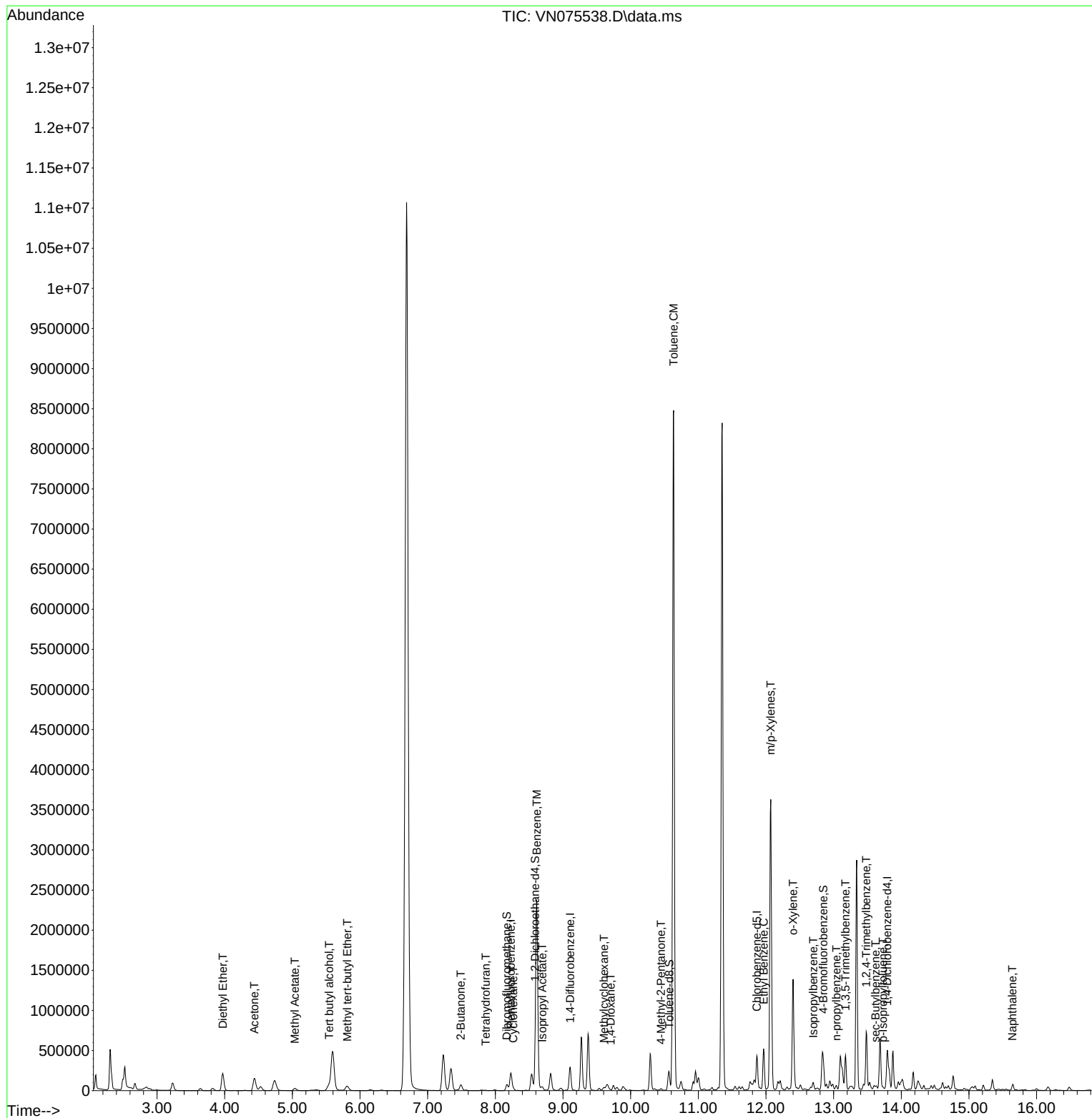
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
Data File : VN075538.D
Acq On : 02 Dec 2022 17:41
Operator : JC\MD
Sample : N5840-01 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

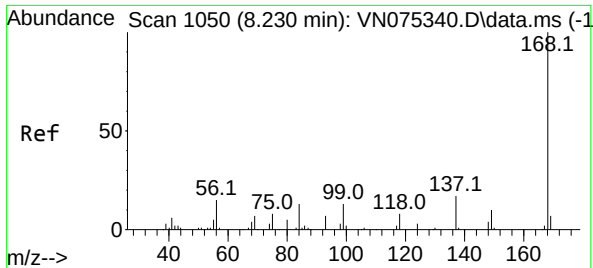
Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201

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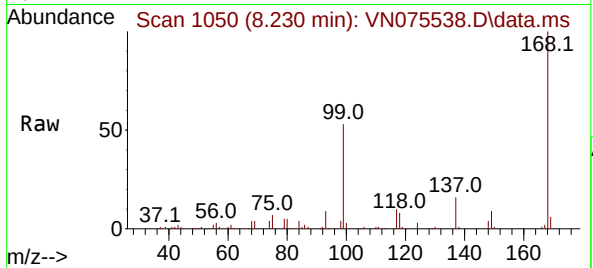
Quant Time: Dec 03 00:36:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

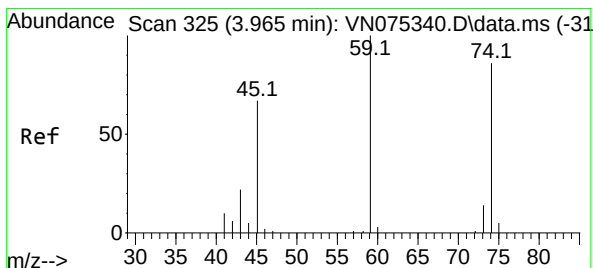
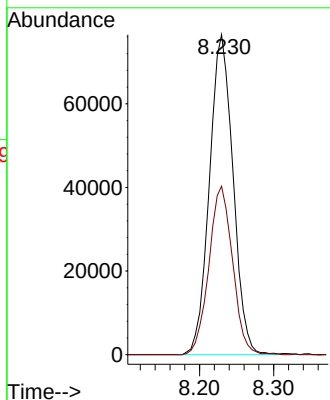
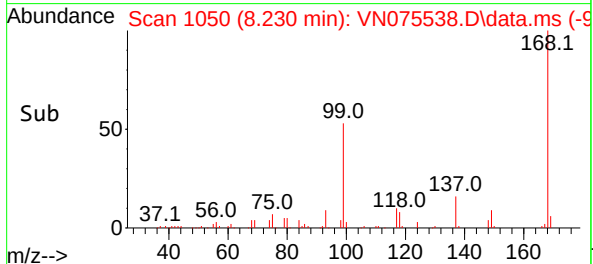
Instrument :
MSVOA_N
ClientSampleId :
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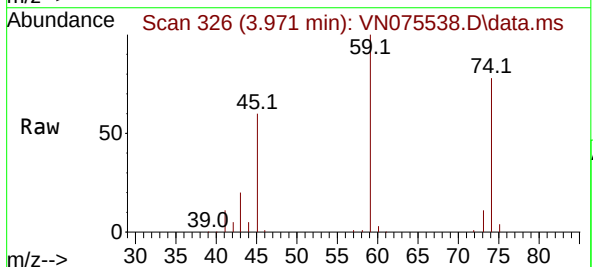
Tgt Ion:168 Resp: 16946
Ion Ratio Lower Upper
168 100
99 52.6 51.6 77.4

Manual Integrations
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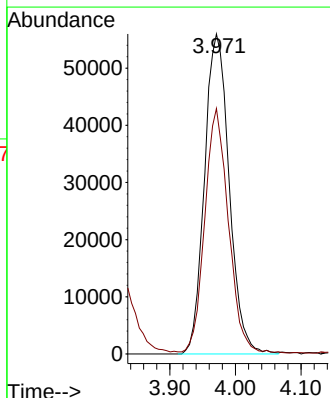
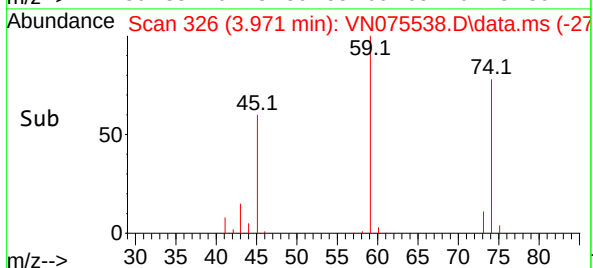
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

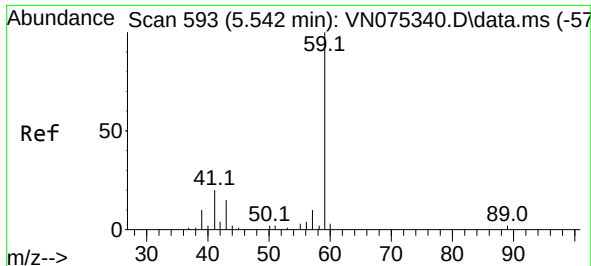


#8
Diethyl Ether
Concen: 143.879 ug/l
RT: 3.971 min Scan# 326
Delta R.T. 0.006 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41



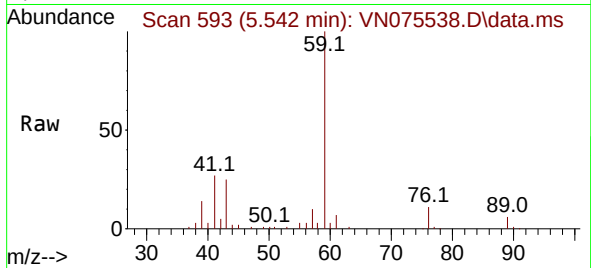
Tgt Ion: 74 Resp: 146391
Ion Ratio Lower Upper
74 100
45 73.4 39.3 117.9





#11
Tert butyl alcohol
Concen: 353.529 ug/l m
RT: 5.542 min Scan# 593
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

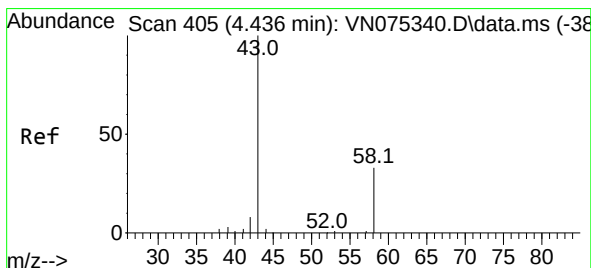
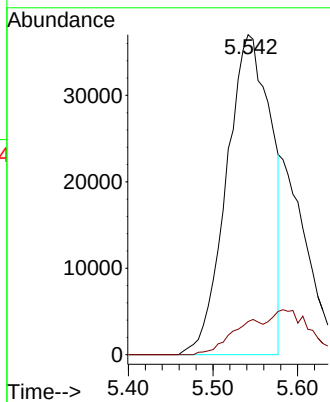
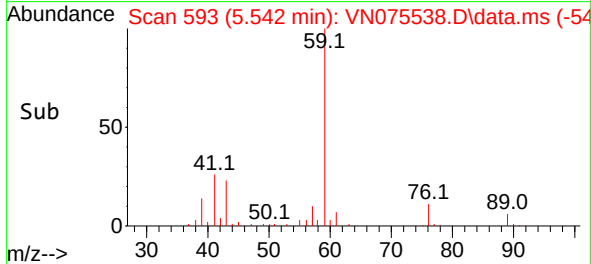
Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201



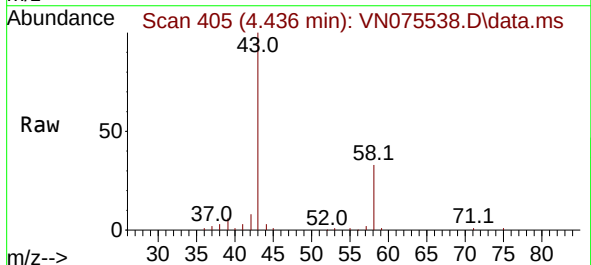
Tgt Ion: 59 Resp: 134998
Ion Ratio Lower Upper
59 100
57 8.1 8.5 12.7

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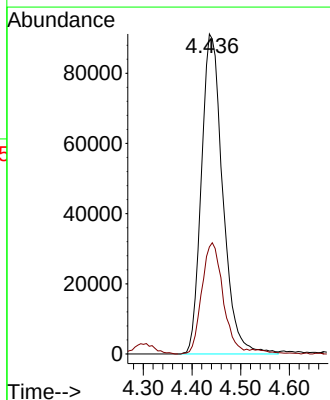
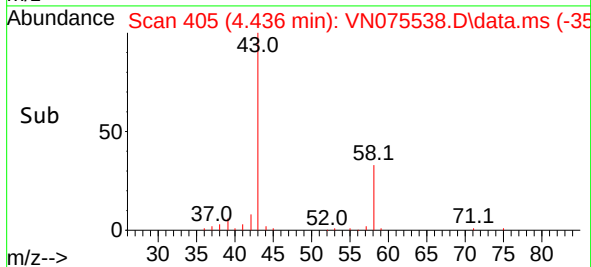
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

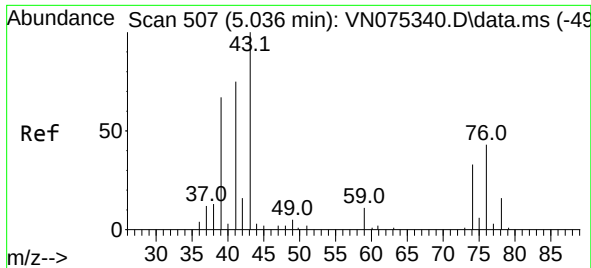


#16
Acetone
Concen: 327.836 ug/l
RT: 4.436 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41



Tgt Ion: 43 Resp: 278160
Ion Ratio Lower Upper
43 100
58 33.4 25.5 38.3





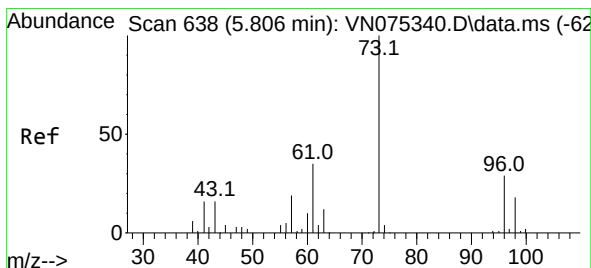
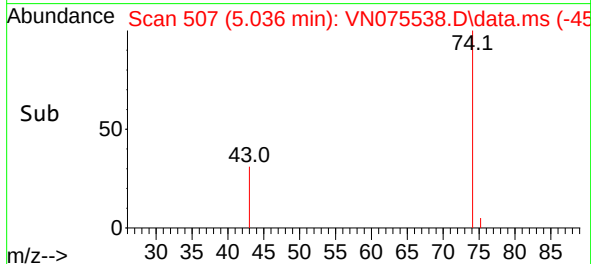
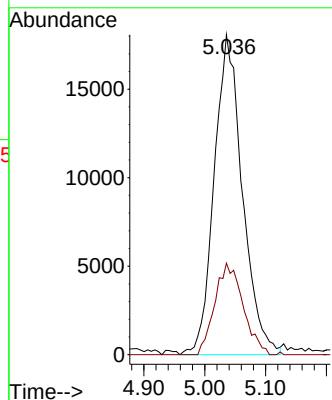
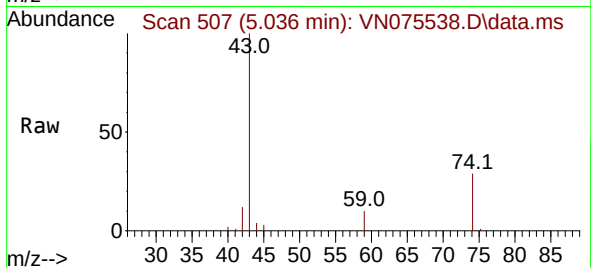
#18
Methyl Acetate
Concen: 26.605 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201

Tgt Ion: 43 Resp: 58204
Ion Ratio Lower Upper
43 100
74 28.5 22.0 33.0

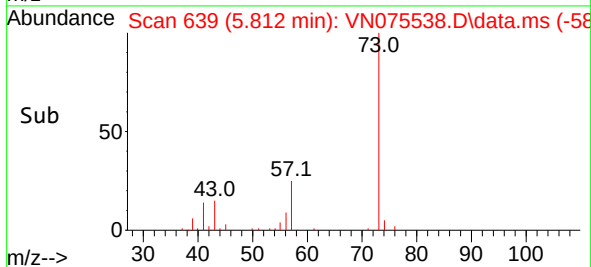
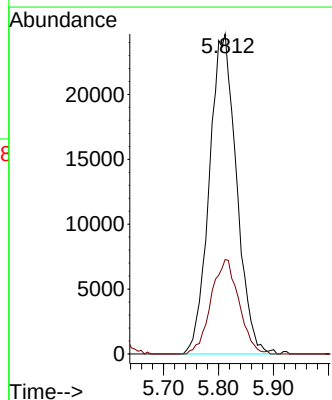
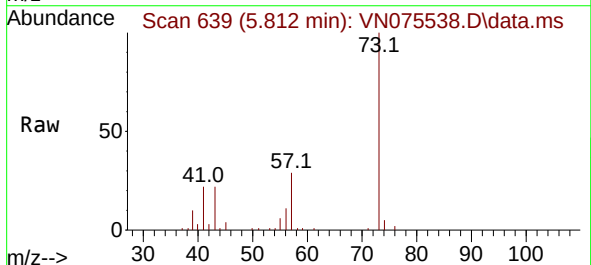
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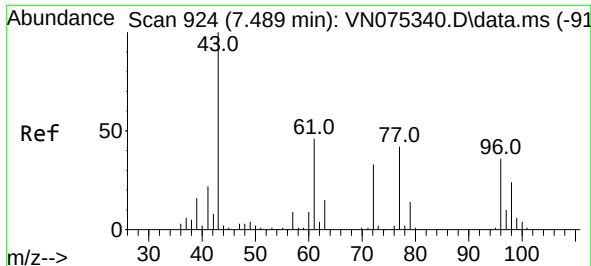
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#19
Methyl tert-butyl Ether
Concen: 15.223 ug/l
RT: 5.812 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

Tgt Ion: 73 Resp: 84625
Ion Ratio Lower Upper
73 100
57 29.5 16.3 24.5#





#25

2-Butanone

Concen: 91.271 ug/l

RT: 7.488 min Scan# 91

Delta R.T. -0.001 min

Lab File: VN075538.D

Acq: 02 Dec 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

SP-SILICA-1201

Tgt Ion: 43 Resp: 10811

Ion Ratio Lower Upper

43 100

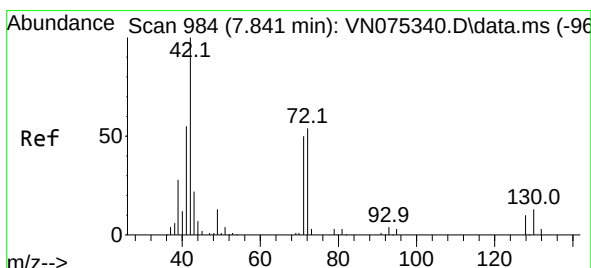
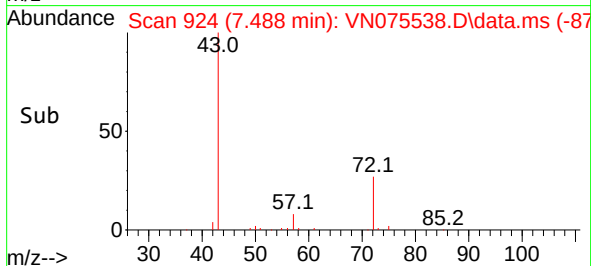
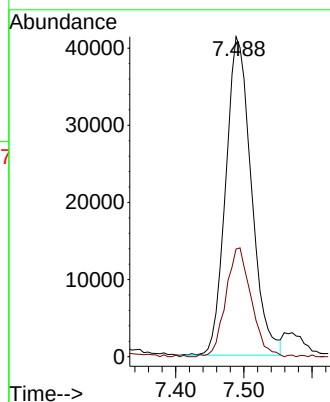
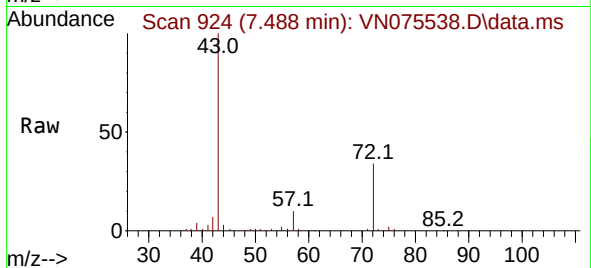
72 33.8 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2022

Supervised By :Mahesh Dadoda 12/05/2022



#29

Tetrahydrofuran

Concen: 5.735 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.018 min

Lab File: VN075538.D

Acq: 02 Dec 2022 17:41

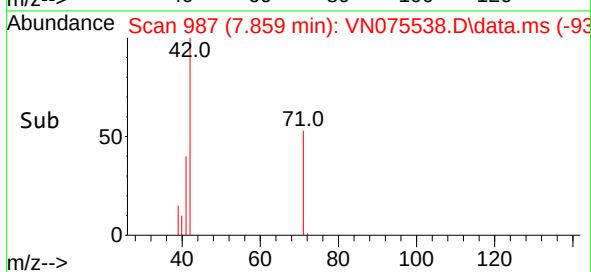
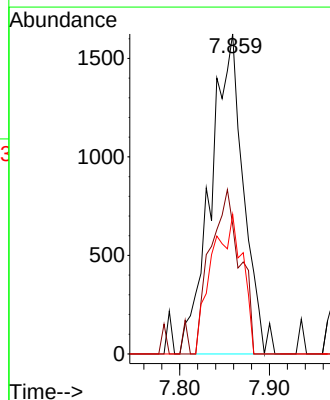
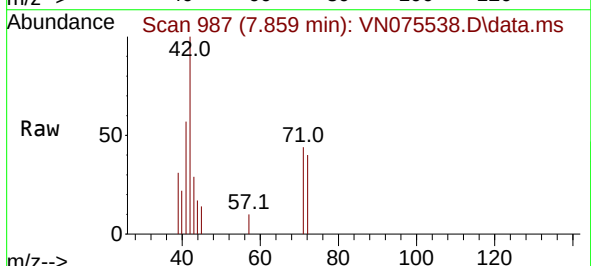
Tgt Ion: 42 Resp: 4132

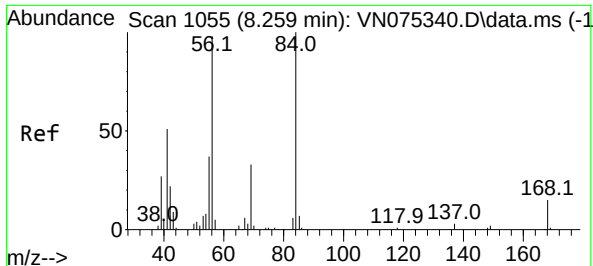
Ion Ratio Lower Upper

42 100

72 46.7 43.0 64.6

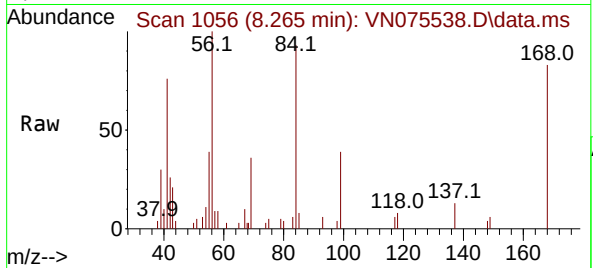
71 40.7 39.9 59.9





#31
Cyclohexane
Concen: 6.802 ug/l
RT: 8.265 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

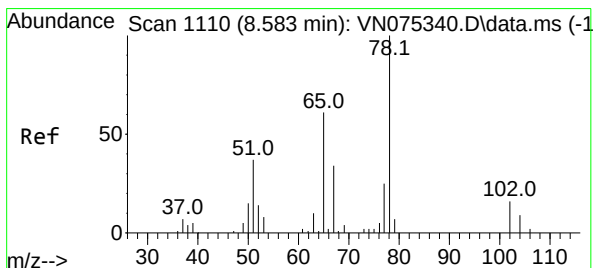
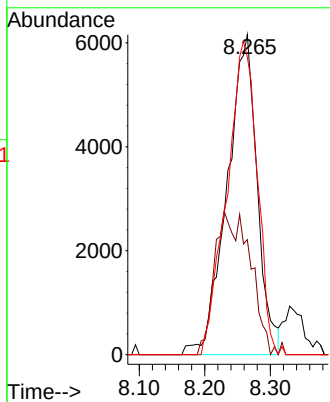
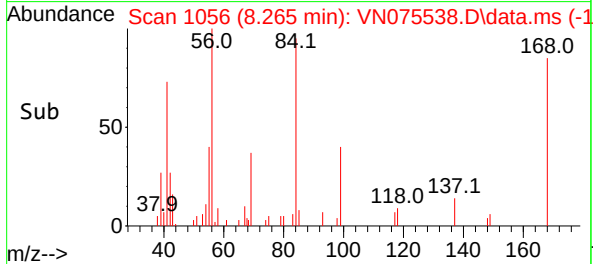
Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201



Tgt Ion: 56 Resp: 1965
Ion Ratio Lower Upper
56 100
69 36.0 25.2 37.8
84 93.0 77.8 116.8

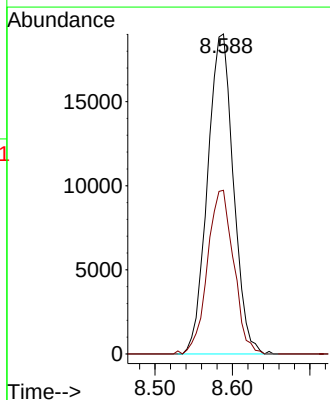
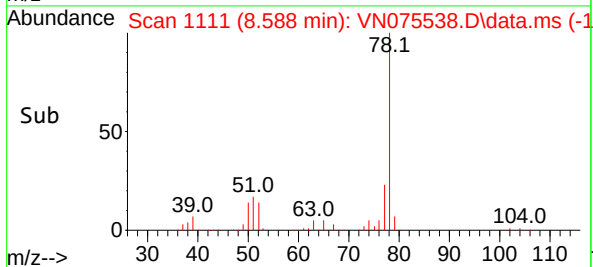
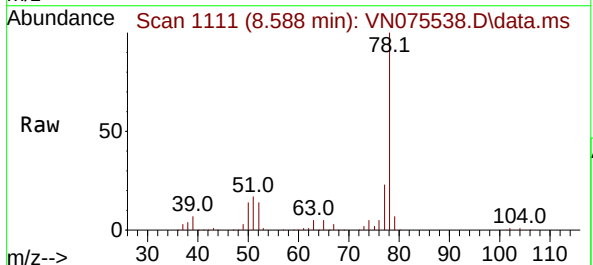
Manual Integrations
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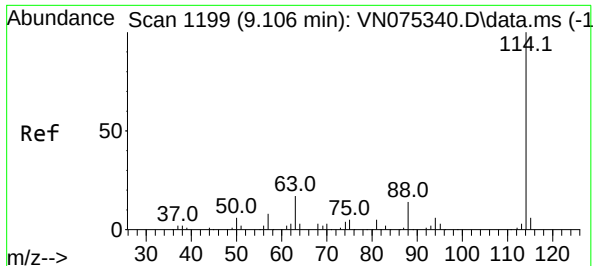
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#33
1,2-Dichloroethane-d4
Concen: 48.633 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

Tgt Ion: 65 Resp: 44239
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075538.D

Acq: 02 Dec 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

SP-SILICA-1201

Tgt Ion:114 Resp: 27492

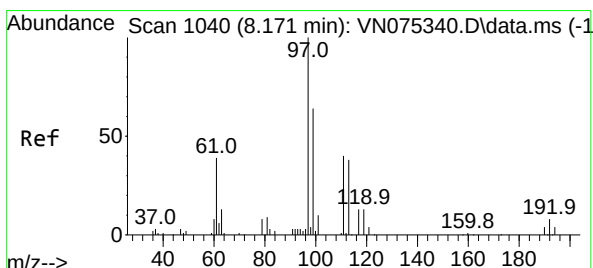
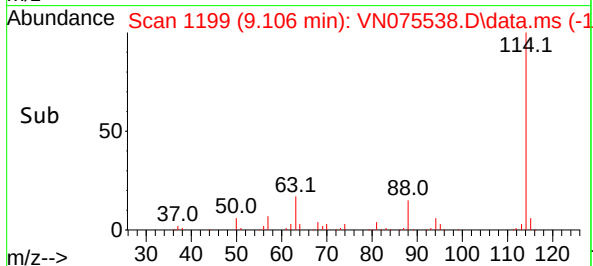
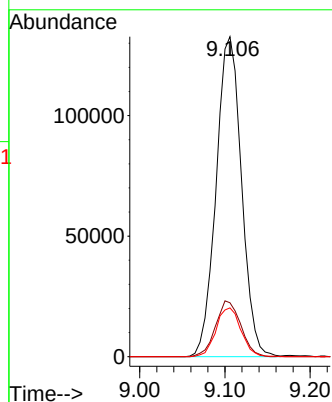
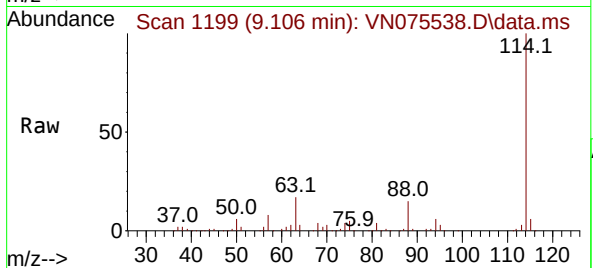
Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	39.6
88	15.3	0.0	29.0

Manual Integrations

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Supervised By :Mahesh Dadoda 12/05/2022



#35

Dibromofluoromethane

Concen: 51.489 ug/l

RT: 8.171 min Scan# 1040

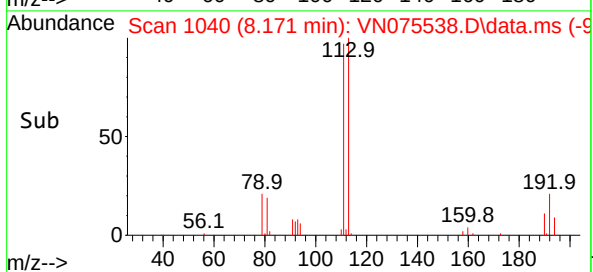
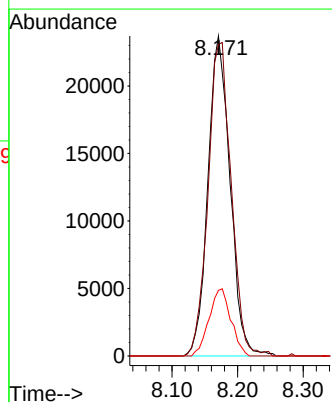
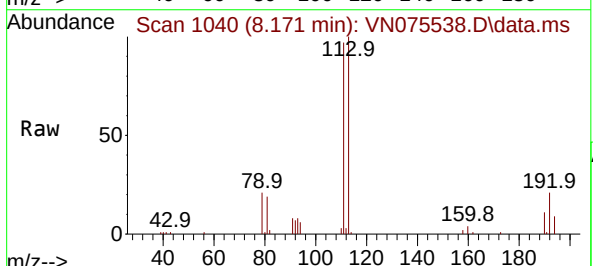
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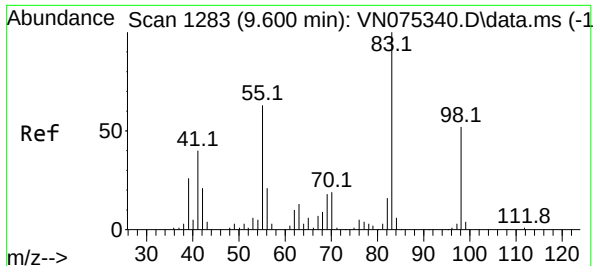
Lab File: VN075538.D

Acq: 02 Dec 2022 17:41

Tgt Ion:113 Resp: 55607

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.5	120.7
192	20.7	13.2	19.8





#39

Methylcyclohexane

Concen: 6.229 ug/l

RT: 9.606 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VN075538.D

Acq: 02 Dec 2022 17:41

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ClientSampleId :

SP-SILICA-1201

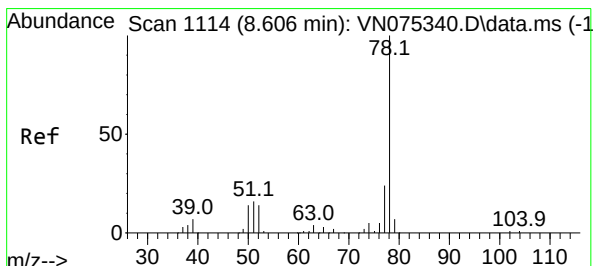
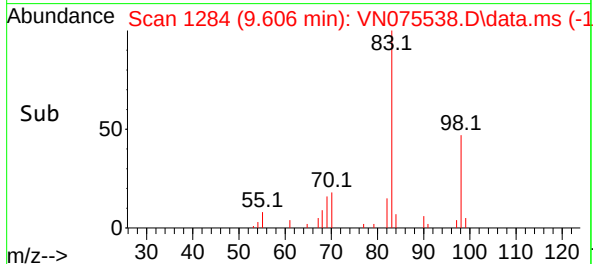
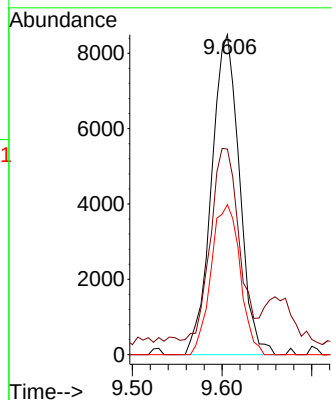
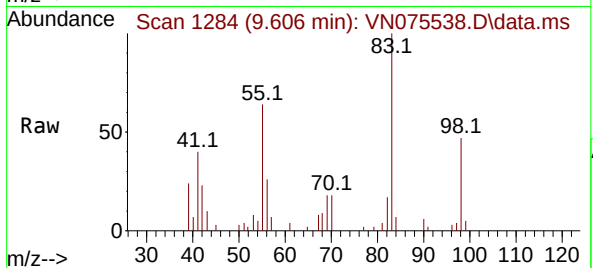
Tgt Ion: 83	Resp: 1836
Ion Ratio	Lower Upper
83	100
55	59.8 53.6 80.4
98	46.9 41.1 61.7

Manual Integrations

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Supervised By :Mahesh Dadoda 12/05/2022



#40

Benzene

Concen: 353.367 ug/l

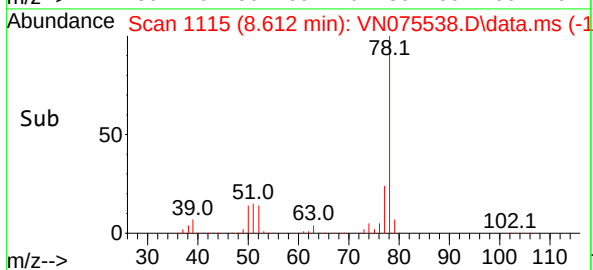
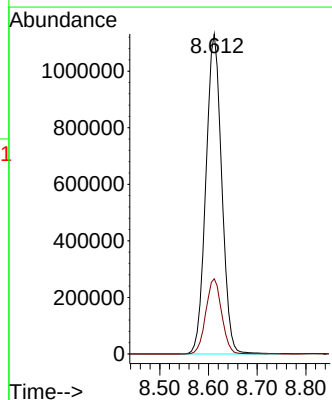
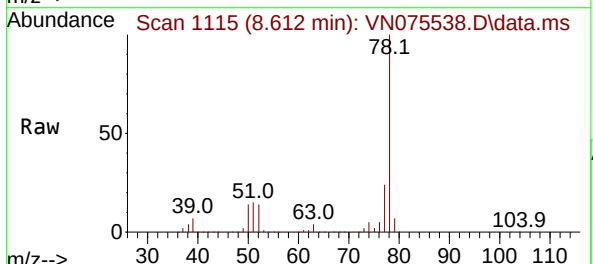
RT: 8.612 min Scan# 1115

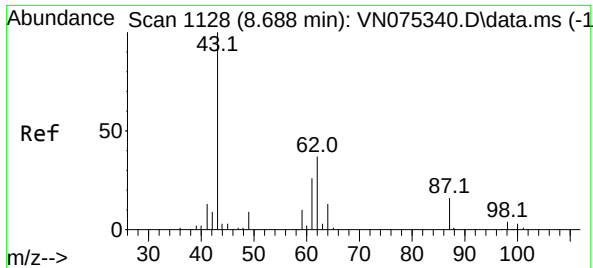
Delta R.T. 0.006 min

Lab File: VN075538.D

Acq: 02 Dec 2022 17:41

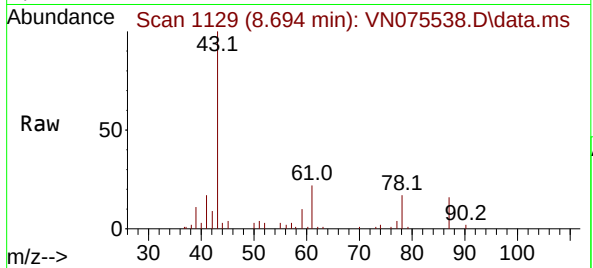
Tgt Ion: 78	Resp: 2548094
Ion Ratio	Lower Upper
78	100
77	23.5 19.4 29.0





#43
Isopropyl Acetate
Concen: 11.883 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

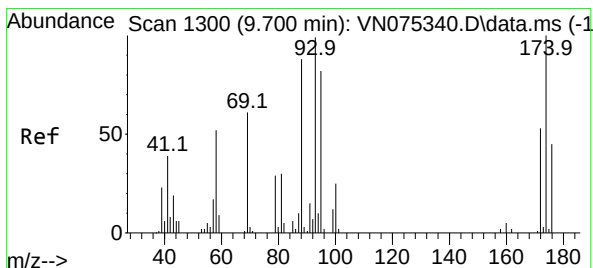
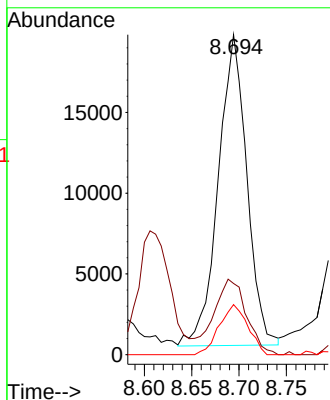
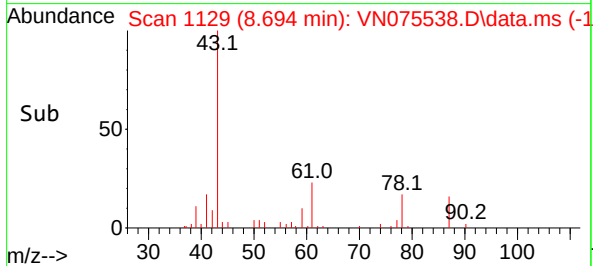
Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201



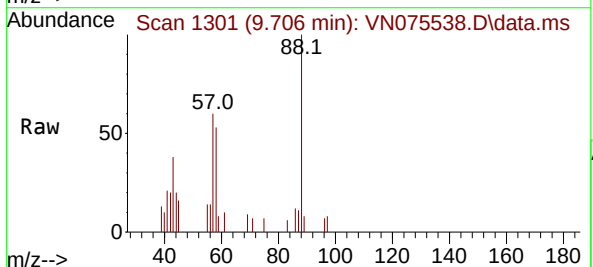
Tgt Ion: 43 Resp: 40449
Ion Ratio Lower Upper
43 100
61 27.8 22.4 33.6
87 16.1 12.5 18.7

Manual Integrations
APPROVED

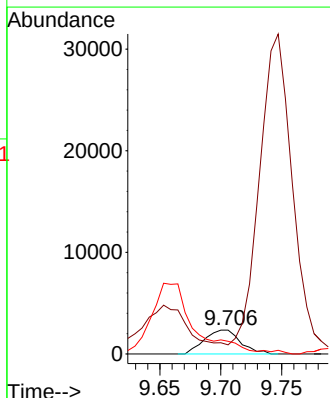
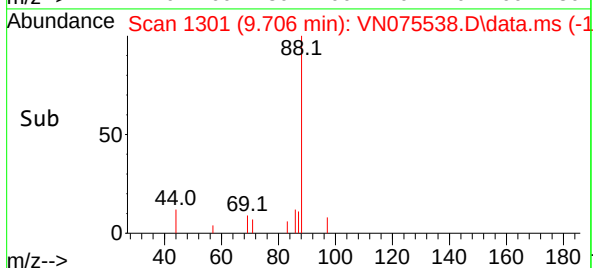
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

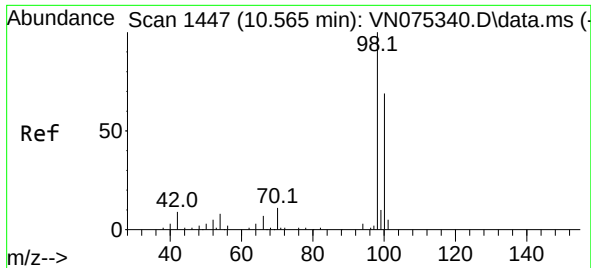


#49
1,4-Dioxane
Concen: 108.583 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41



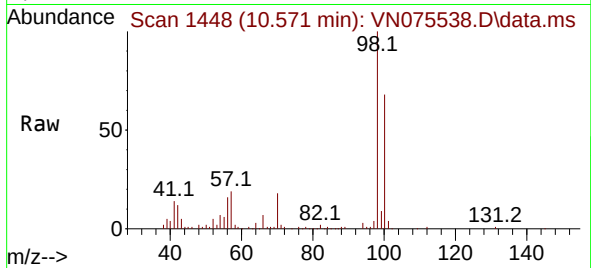
Tgt Ion: 88 Resp: 4853
Ion Ratio Lower Upper
88 100
43 0.0 17.5 26.3#
58 0.0 49.8 74.8#





#50
Toluene-d8
Concen: 48.862 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

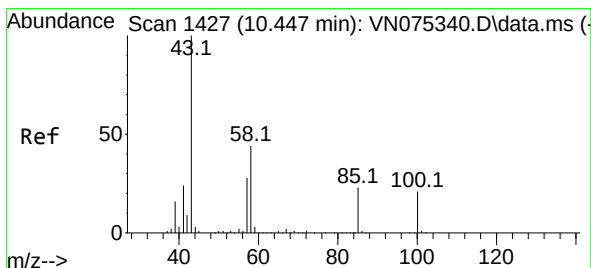
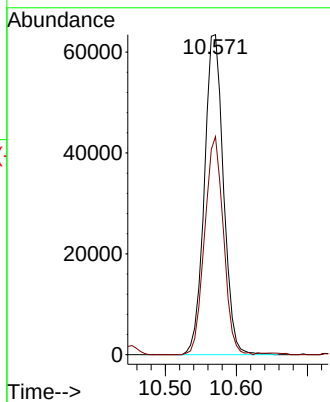
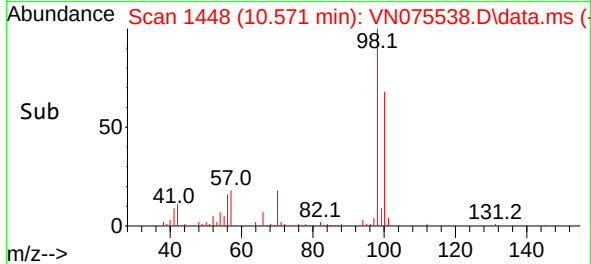
Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201



Tgt Ion: 98 Resp: 11885
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.6

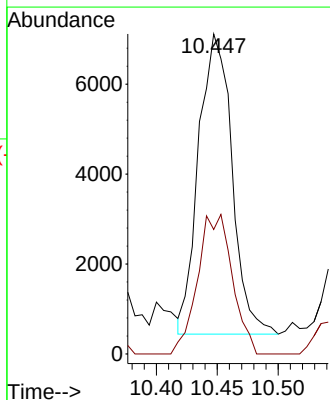
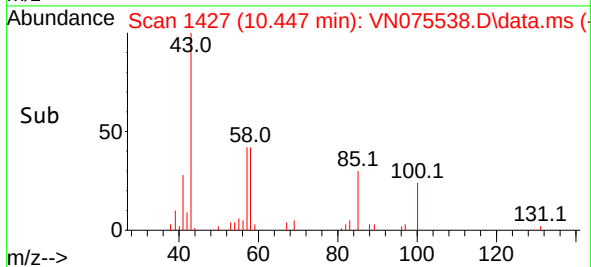
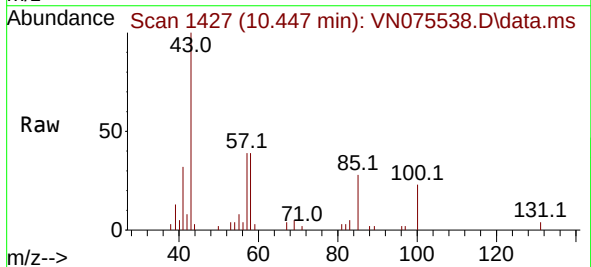
Manual Integrations
APPROVED

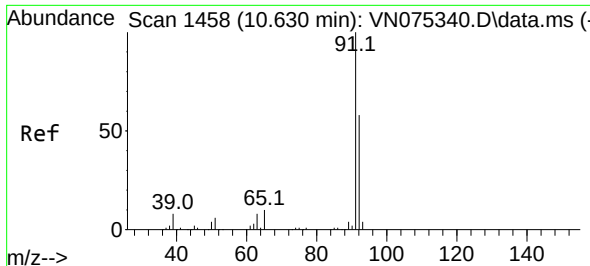
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#51
4-Methyl-2-Pentanone
Concen: 5.878 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

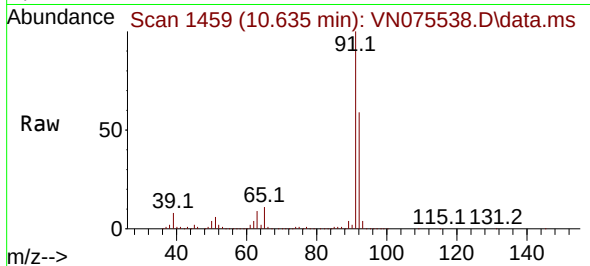
Tgt Ion: 43 Resp: 12744
Ion Ratio Lower Upper
43 100
58 48.2 33.6 50.4





#52
Toluene
Concen: 820.364 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

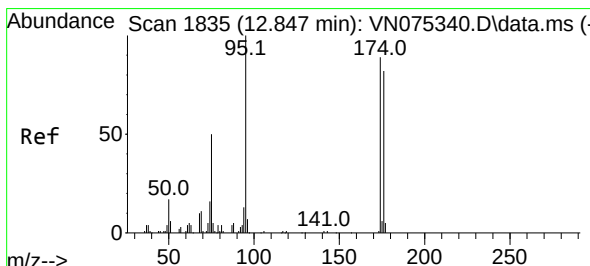
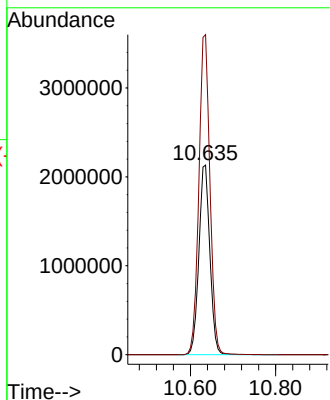
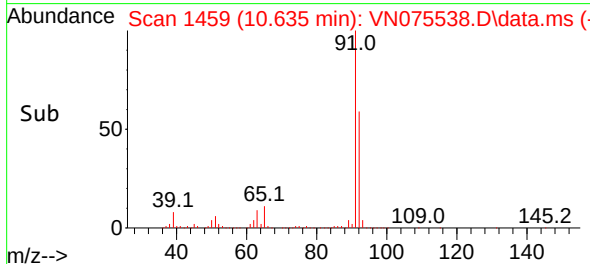
Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201



Tgt Ion: 92 Resp: 381205
Ion Ratio Lower Upper
92 100
91 170.1 135.4 203.2

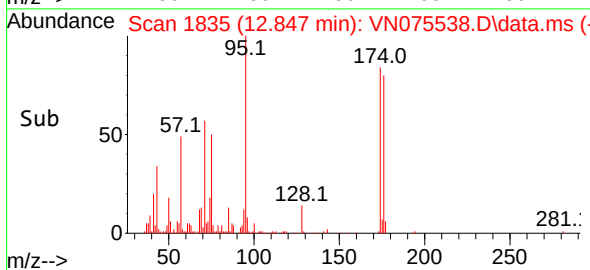
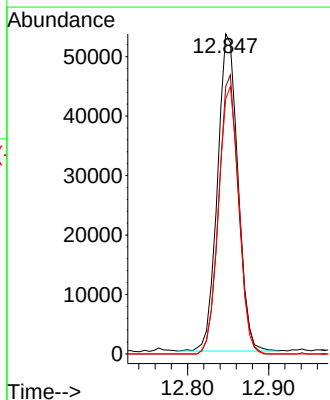
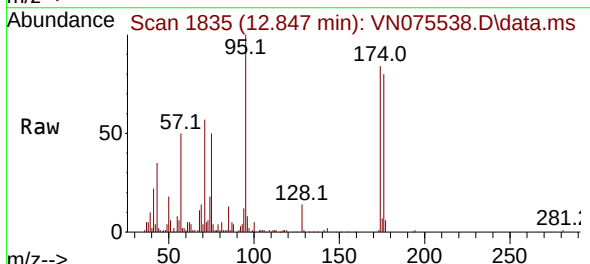
Manual Integrations
APPROVED

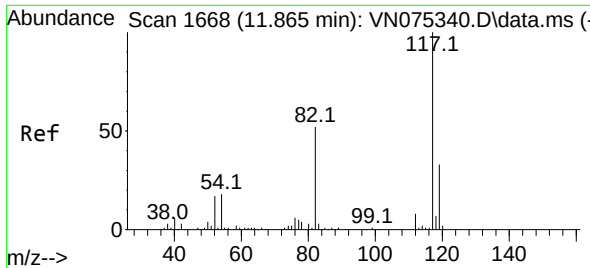
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#62
4-Bromofluorobenzene
Concen: 52.131 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

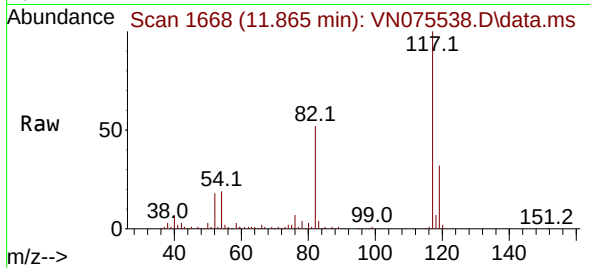
Tgt Ion: 95 Resp: 93596
Ion Ratio Lower Upper
95 100
174 84.9 0.0 147.4
176 83.8 0.0 142.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

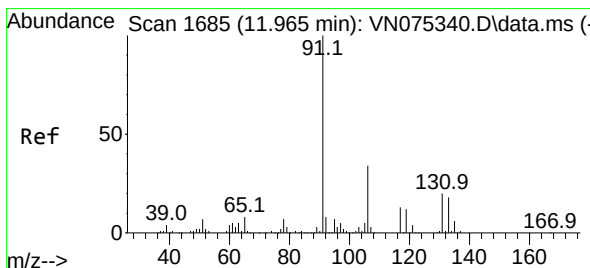
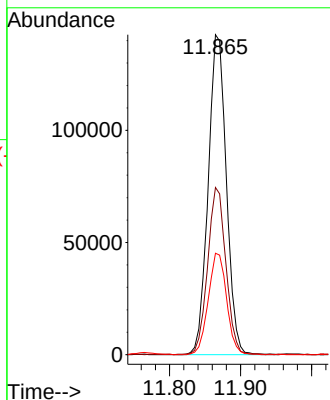
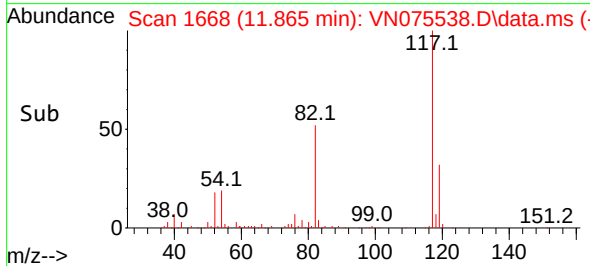
Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201



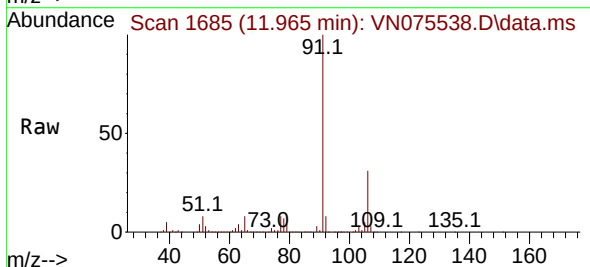
Tgt Ion: 117 Resp: 253740
Ion Ratio Lower Upper
117 100
82 52.1 43.1 64.7
119 31.7 25.5 38.3

Manual Integrations
APPROVED

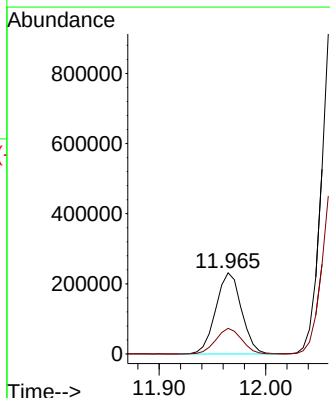
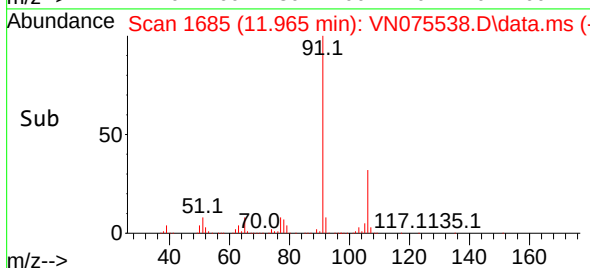
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

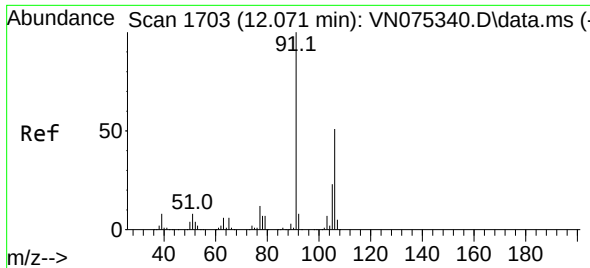


#67
Ethyl Benzene
Concen: 43.401 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41



Tgt Ion: 91 Resp: 388004
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3





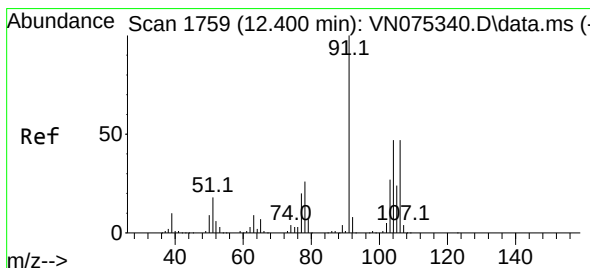
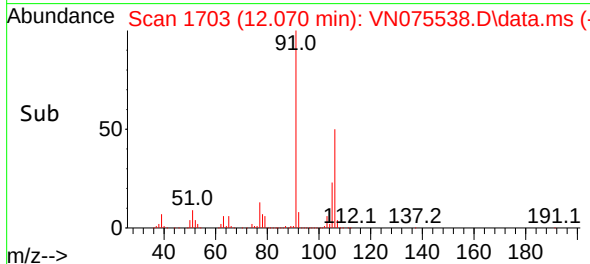
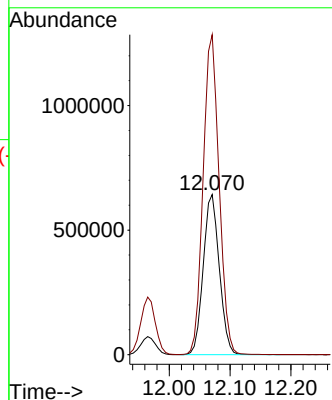
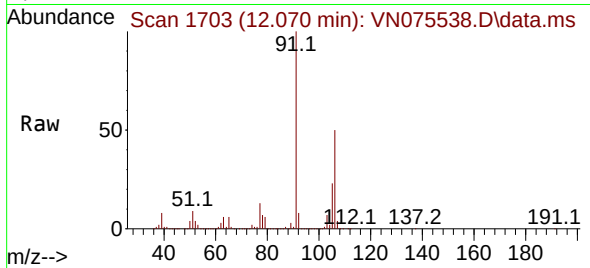
#68
m/p-Xylenes
Concen: 323.655 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201

Tgt Ion:106 Resp: 1175008
Ion Ratio Lower Upper
106 100
91 198.5 156.0 234.0

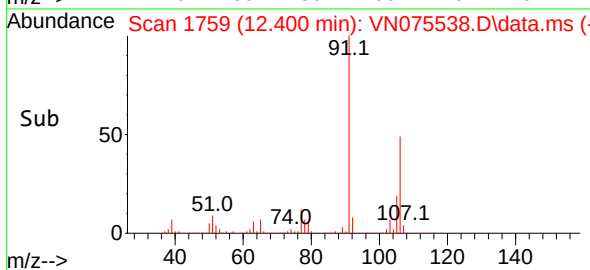
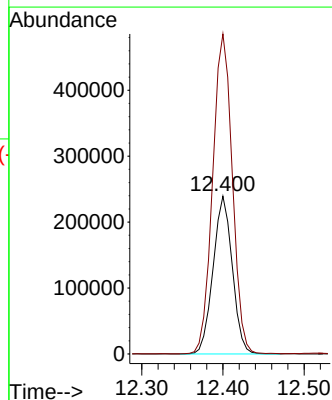
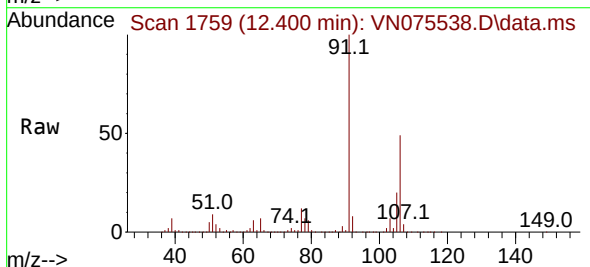
Manual Integrations
APPROVED

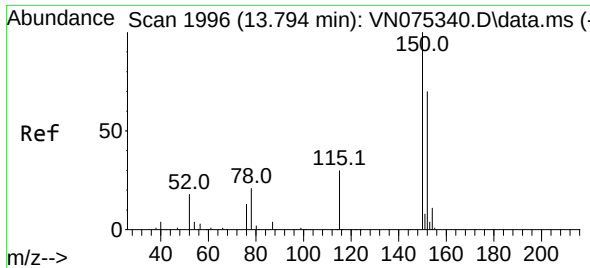
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#69
o-Xylene
Concen: 108.861 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

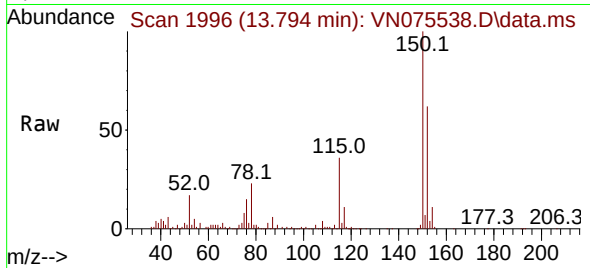
Tgt Ion:106 Resp: 392672
Ion Ratio Lower Upper
106 100
91 208.1 105.2 315.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

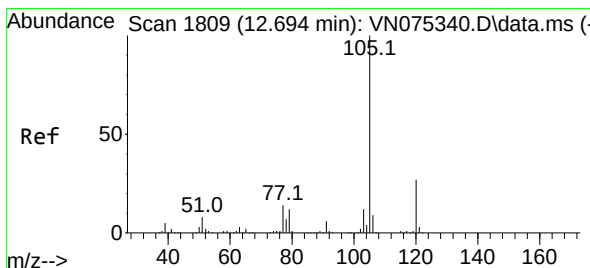
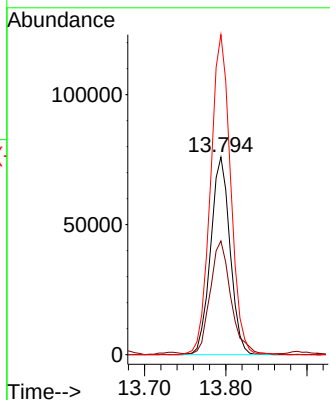
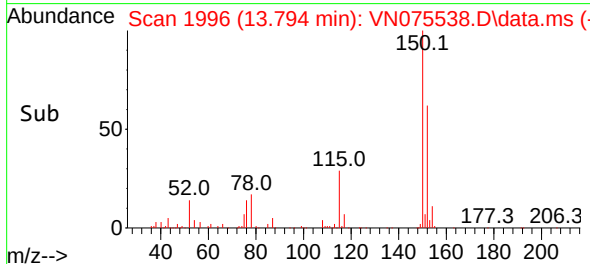
Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201



Tgt Ion:152 Resp: 126145
Ion Ratio Lower Upper
152 100
115 62.0 30.2 90.6
150 167.4 0.0 348.4

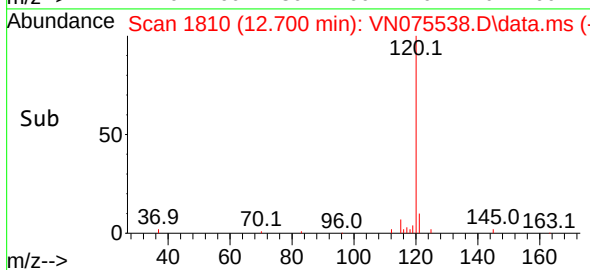
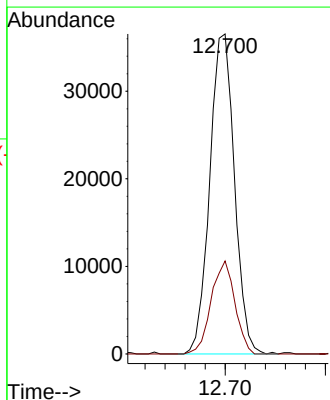
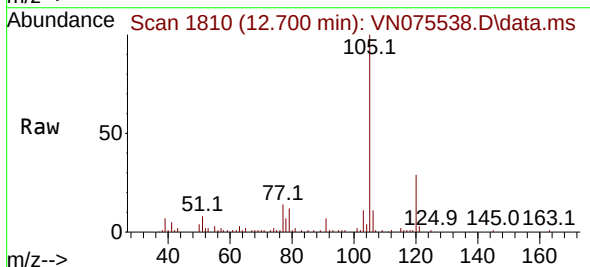
Manual Integrations
APPROVED

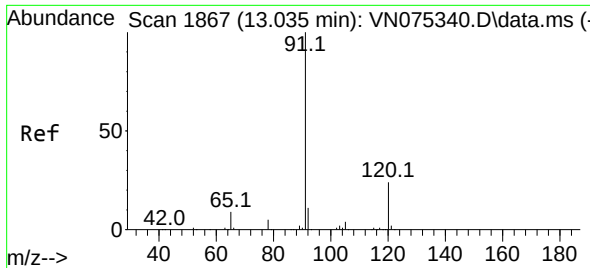
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#73
Isopropylbenzene
Concen: 6.786 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

Tgt Ion:105 Resp: 62541
Ion Ratio Lower Upper
105 100
120 27.9 13.1 39.1





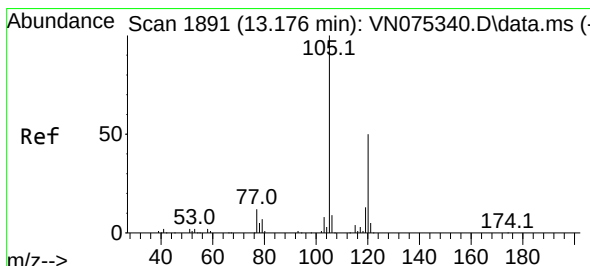
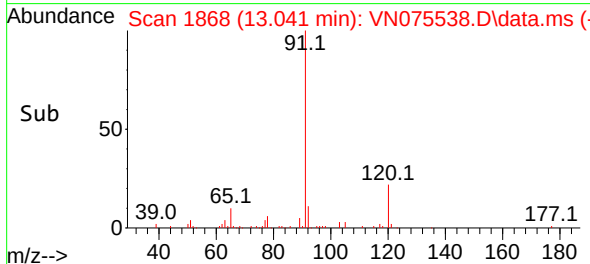
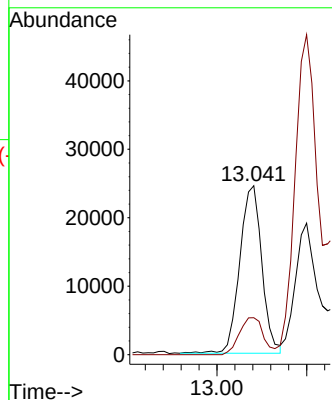
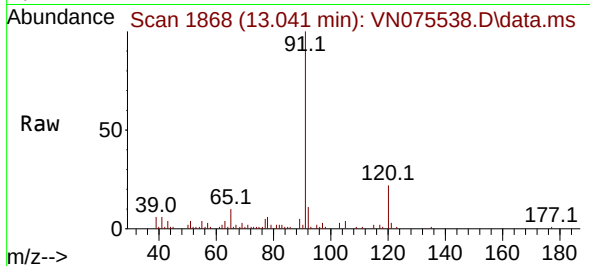
#78
n-propylbenzene
Concen: 4.063 ug/l
RT: 13.041 min Scan# 1867
Delta R.T. 0.006 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201

Tgt Ion: 91 Resp: 41785
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.5

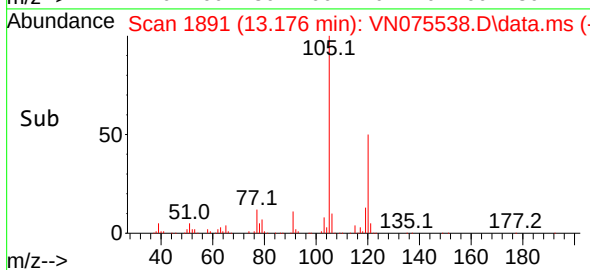
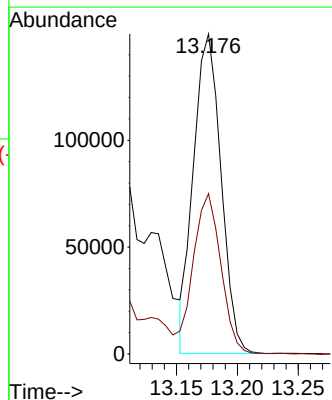
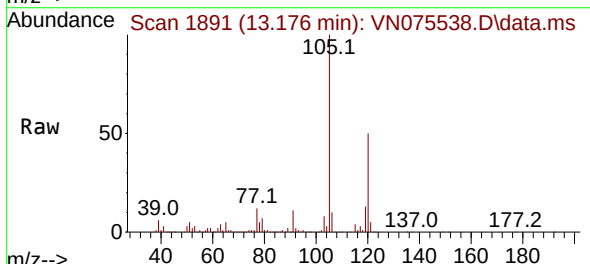
Manual Integrations
APPROVED

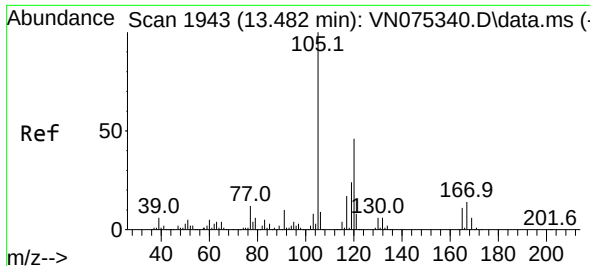
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#80
1,3,5-Trimethylbenzene
Concen: 30.601 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

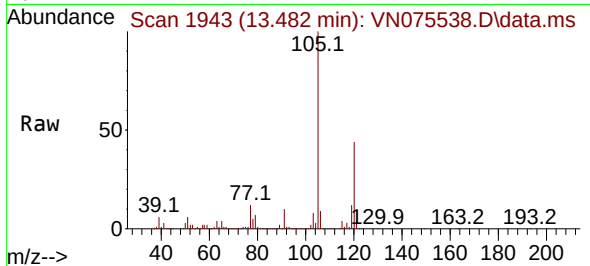
Tgt Ion:105 Resp: 234307
Ion Ratio Lower Upper
105 100
120 51.3 24.7 74.1





#84
1,2,4-Trimethylbenzene
Concen: 54.933 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

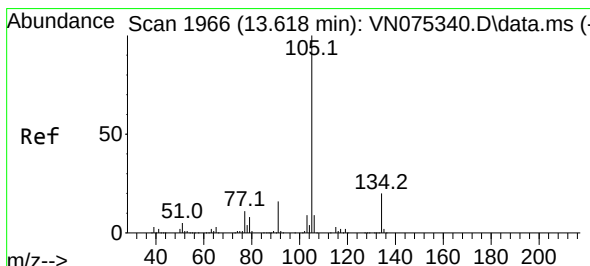
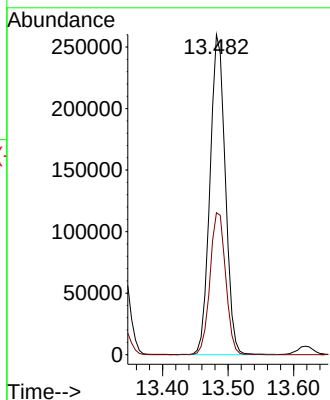
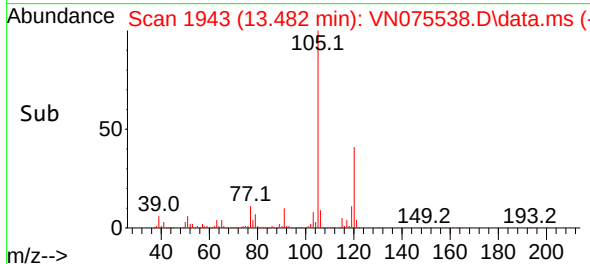
Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201



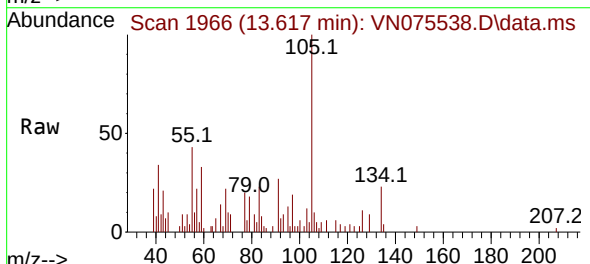
Tgt Ion:105 Resp: 42190
Ion Ratio Lower Upper
105 100
120 45.4 22.7 68.1

Manual Integrations
APPROVED

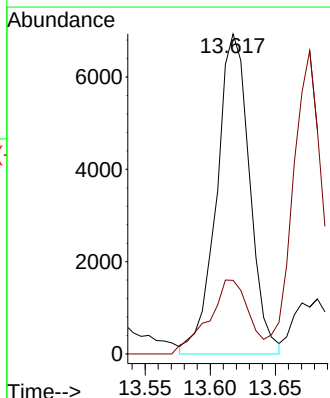
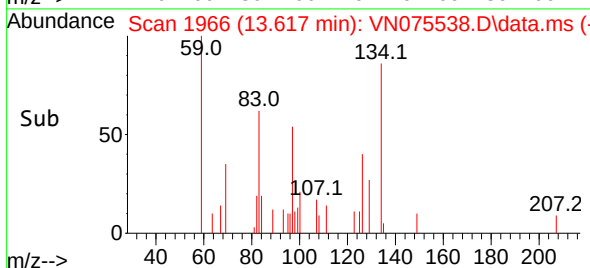
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

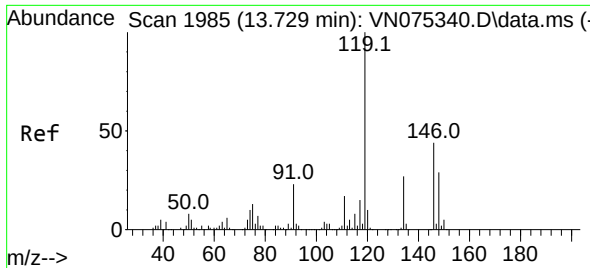


#85
sec-Butylbenzene
Concen: 1.289 ug/l m
RT: 13.617 min Scan# 1966
Delta R.T. -0.001 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41



Tgt Ion:105 Resp: 12214
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#





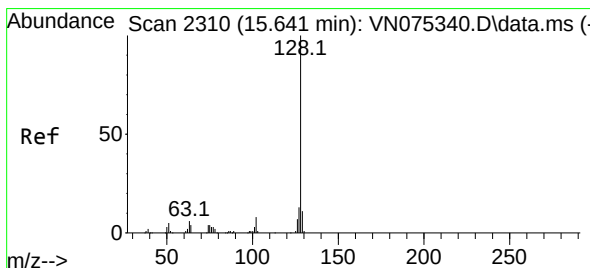
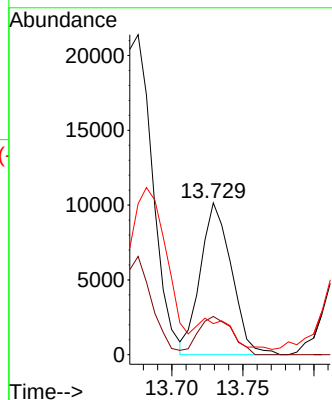
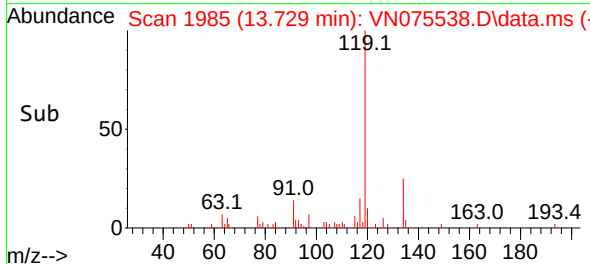
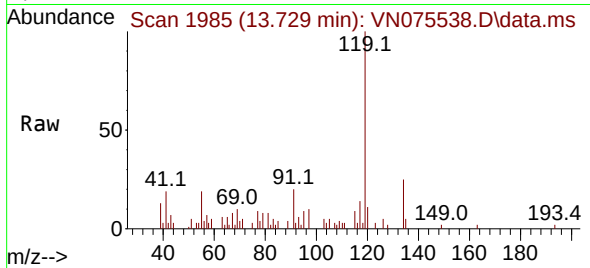
#86
p-Isopropyltoluene
Concen: 1.943 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :
SP-SILICA-1201

Tgt Ion:119 Resp: 15485
Ion Ratio Lower Upper
119 100
134 27.4 13.1 39.3
91 22.5 11.9 35.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#95
Naphthalene
Concen: 2.233 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075538.D
Acq: 02 Dec 2022 17:41

Tgt Ion:128 Resp: 15128
Ion Ratio Lower Upper
128 100
127 14.2 10.4 15.6
129 14.3 8.6 12.8#

