

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075537.D
 Acq On : 02 Dec 2022 17:17
 Operator : JC\MD
 Sample : N5839-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAY2-VRG-1201

Quant Time: Dec 03 00:35:34 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

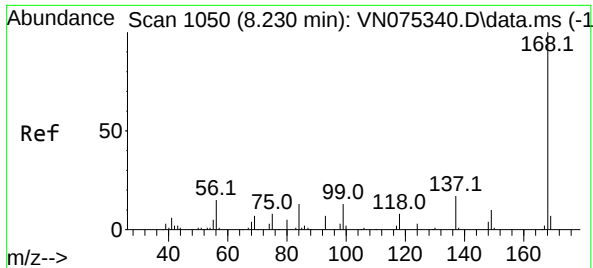
Manual Integrations APPROVED

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

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

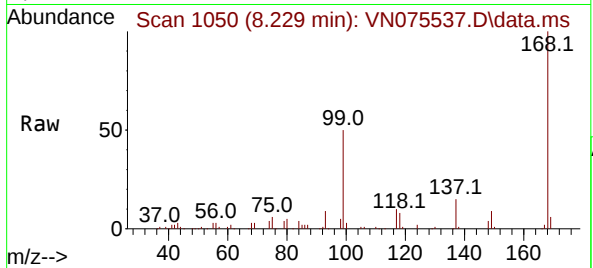
Internal Standards						
1) Pentafluorobenzene	8.229	168	167793	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	273552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	254936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	48602	53.961	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 107.920%		
35) Dibromofluoromethane	8.177	113	57232	53.259	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 106.520%		
50) Toluene-d8	10.570	98	129962	53.697	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 107.400%		
62) 4-Bromofluorobenzene	12.853	95	104647	58.578	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 117.160%		
Target Compounds						Qvalue
8) Diethyl Ether	3.977	74	10178	10.103	ug/l	91
11) Tert butyl alcohol	5.547	59	208619m	551.756	ug/l	
16) Acetone	4.441	43	455236	541.869	ug/l	96
18) Methyl Acetate	5.036	43	66970	31.131	ug/l	95
19) Methyl tert-butyl Ether	5.812	73	63589	11.552	ug/l #	69
25) 2-Butanone	7.488	43	520598	443.849	ug/l	98
29) Tetrahydrofuran	7.847	42	22973	32.200	ug/l	98
31) Cyclohexane	8.259	56	15171	5.302	ug/l	92
39) Methylcyclohexane	9.600	83	15856	5.406	ug/l #	71
40) Benzene	8.612	78	3923838	546.879	ug/l	99
43) Isopropyl Acetate	8.694	43	179748	53.070	ug/l	96
49) 1,4-Dioxane	9.706	88	8019	180.319	ug/l #	28
51) 4-Methyl-2-Pentanone	10.447	43	98638	45.724	ug/l	96
52) Toluene	10.635	92	3354169	725.442	ug/l	100
59) 2-Hexanone	11.200	43	32429	20.019	ug/l	68
67) Ethyl Benzene	11.965	91	303394	33.777	ug/l	100
68) m/p-Xylenes	12.070	106	878590	240.871	ug/l	97
69) o-Xylene	12.400	106	271412	74.891	ug/l	99
73) Isopropylbenzene	12.700	105	37455	3.865	ug/l	97
78) n-propylbenzene	13.041	91	28604	2.645	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	149675	18.588	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	245307	30.372	ug/l	100
86) p-Isopropyltoluene	13.735	119	12441m	1.484	ug/l	
95) Naphthalene	15.641	128	56274	7.899	ug/l #	90

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

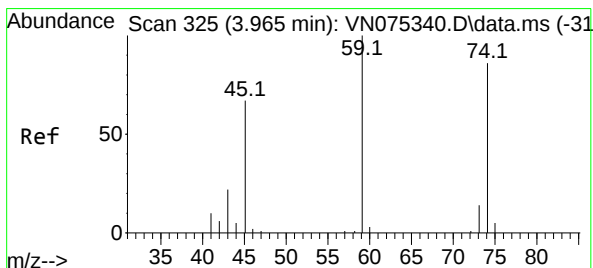
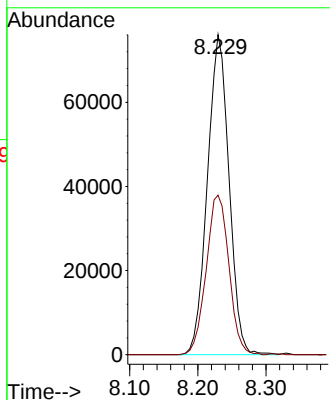
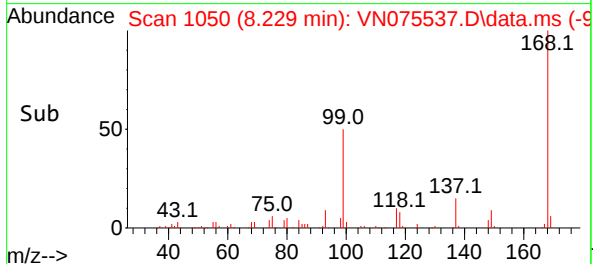
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



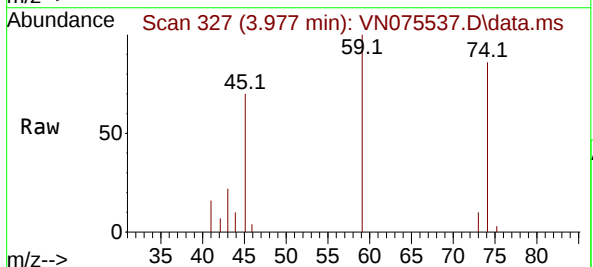
Tgt Ion:168 Resp: 16779
Ion Ratio Lower Upper
168 100
99 49.9 51.6 77.4

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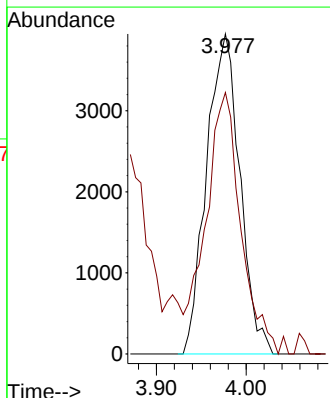
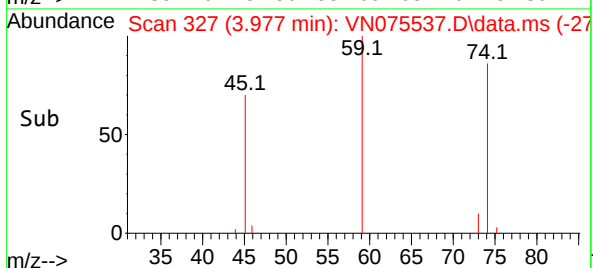
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

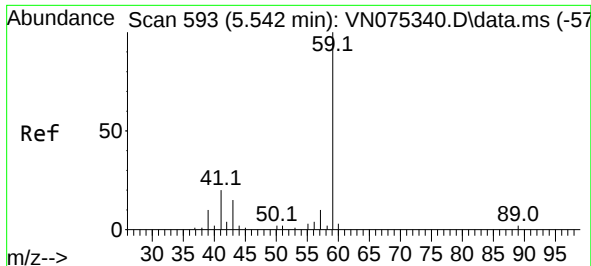


#8
Diethyl Ether
Concen: 10.103 ug/l
RT: 3.977 min Scan# 327
Delta R.T. 0.012 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17



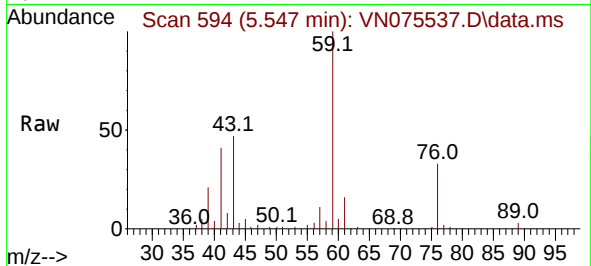
Tgt Ion: 74 Resp: 10178
Ion Ratio Lower Upper
74 100
45 86.1 39.3 117.9





#11
Tert butyl alcohol
Concen: 551.756 ug/l m
RT: 5.547 min Scan# 593
Delta R.T. 0.005 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

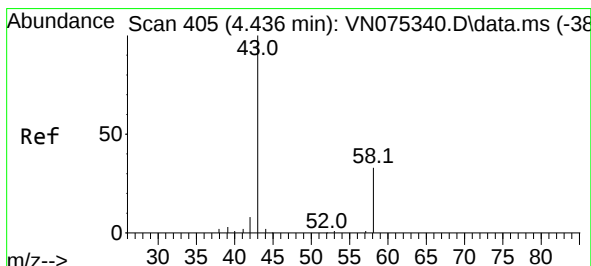
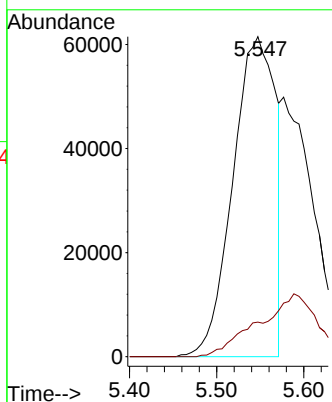
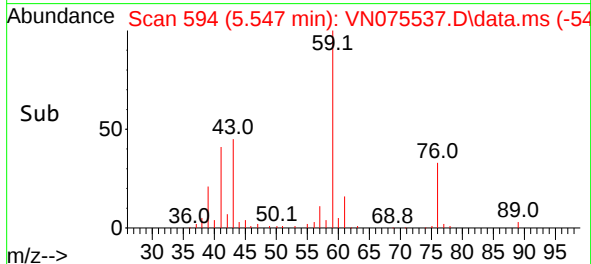
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



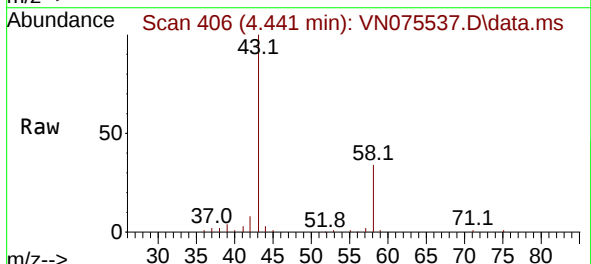
Tgt Ion: 59 Resp: 208619
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7

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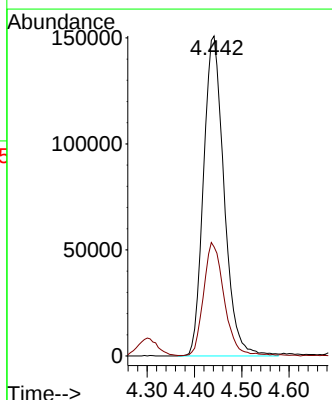
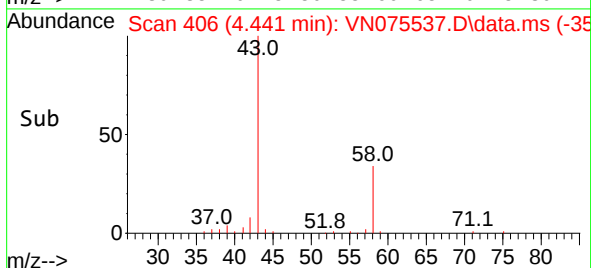
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#16
Acetone
Concen: 541.869 ug/l
RT: 4.441 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17



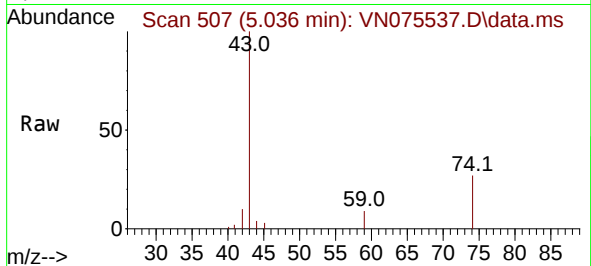
Tgt Ion: 43 Resp: 455236
Ion Ratio Lower Upper
43 100
58 34.0 25.5 38.3





#18
Methyl Acetate
Concen: 31.131 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

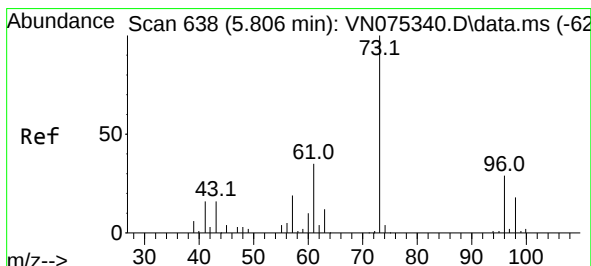
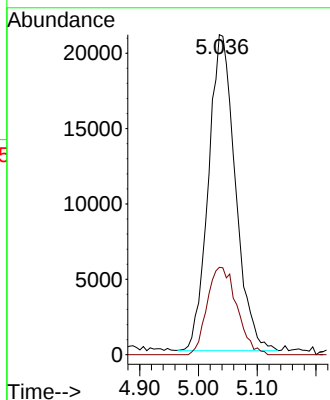
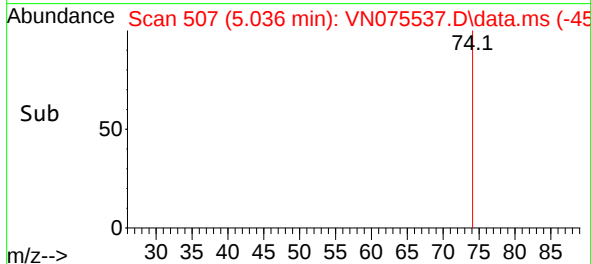
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



Tgt Ion: 43 Resp: 66970
Ion Ratio Lower Upper
43 100
74 30.4 22.0 33.0

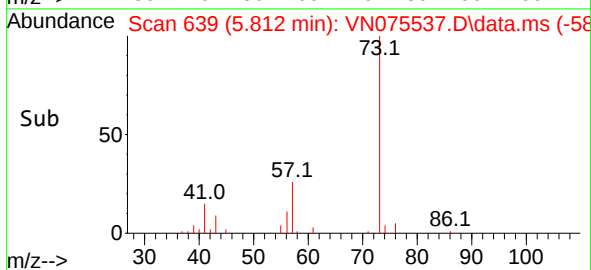
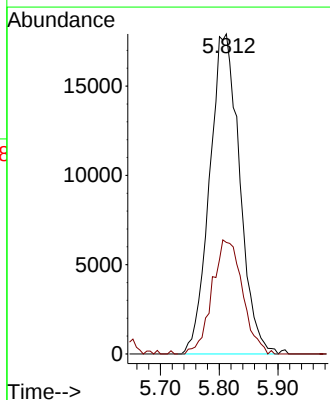
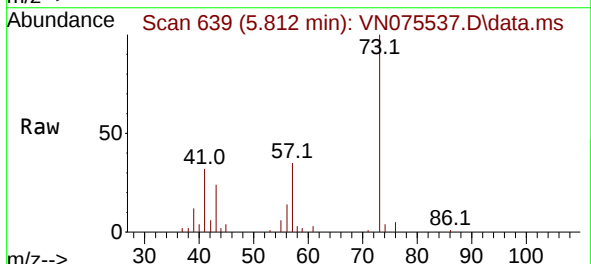
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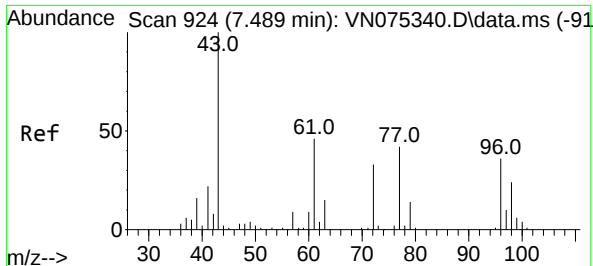
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#19
Methyl tert-butyl Ether
Concen: 11.552 ug/l
RT: 5.812 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

Tgt Ion: 73 Resp: 63589
Ion Ratio Lower Upper
73 100
57 34.9 16.3 24.5#





#25

2-Butanone

Concen: 443.849 ug/l

RT: 7.488 min Scan# 91

Delta R.T. -0.001 min

Lab File: VN075537.D

Acq: 02 Dec 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

SAY2-VRG-1201

Tgt Ion: 43 Resp: 520598

Ion Ratio Lower Upper

43 100

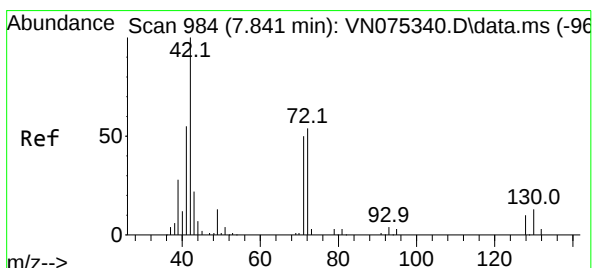
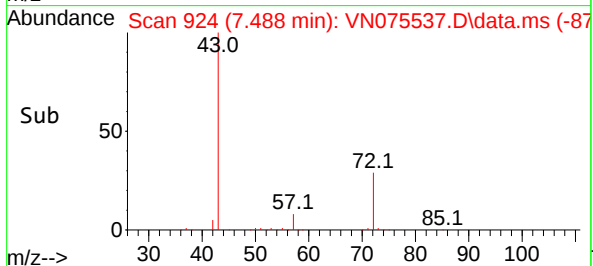
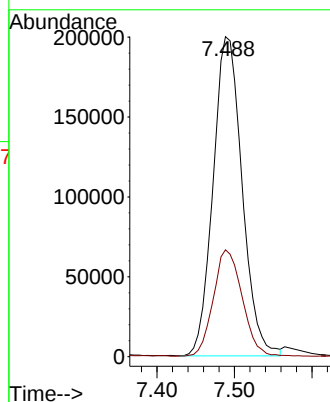
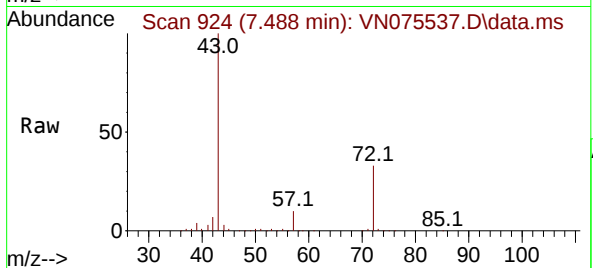
72 33.2 25.5 38.3

Manual Integrations

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Reviewed By :John Carlone 12/05/2022

Supervised By :Mahesh Dadoda 12/05/2022



#29

Tetrahydrofuran

Concen: 32.200 ug/l

RT: 7.847 min Scan# 985

Delta R.T. 0.006 min

Lab File: VN075537.D

Acq: 02 Dec 2022 17:17

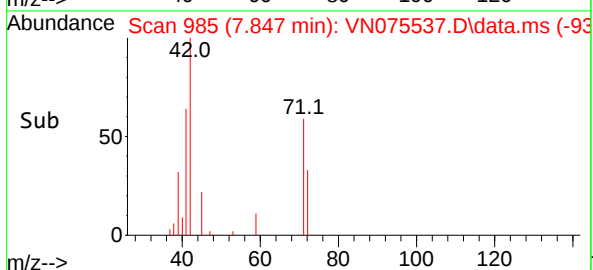
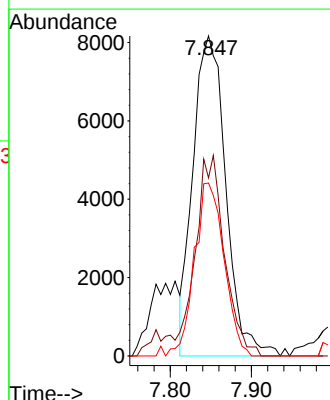
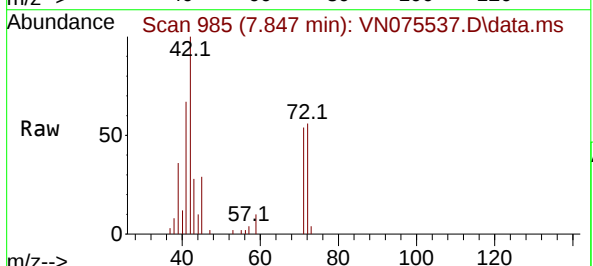
Tgt Ion: 42 Resp: 22973

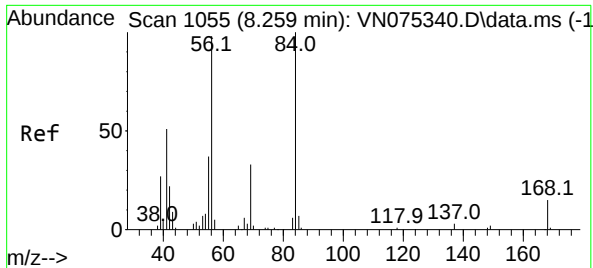
Ion Ratio Lower Upper

42 100

72 55.4 43.0 64.6

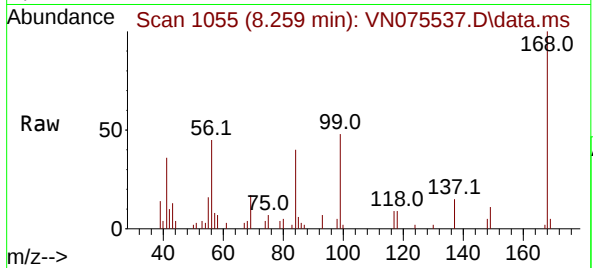
71 48.8 39.9 59.9





#31
Cyclohexane
Concen: 5.302 ug/l
RT: 8.259 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

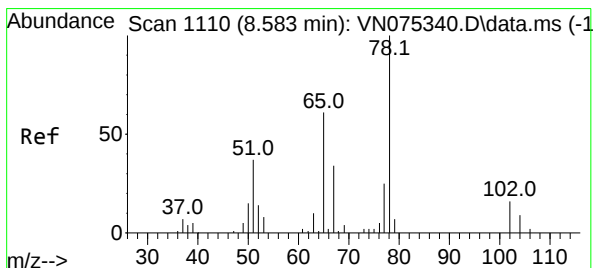
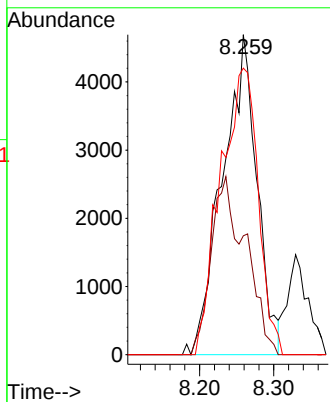
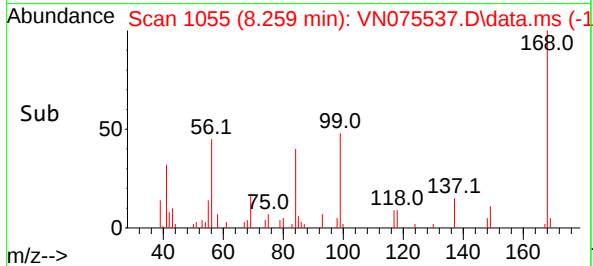
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



Tgt Ion: 56 Resp: 1517
Ion Ratio Lower Upper
56 100
69 37.2 25.2 37.8
84 89.6 77.8 116.8

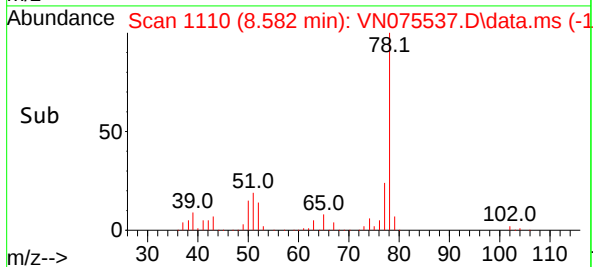
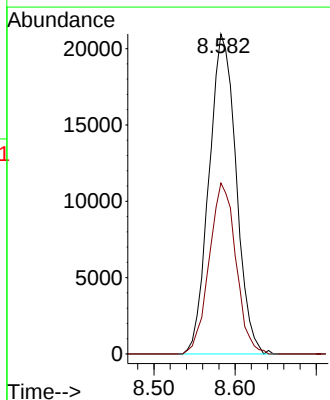
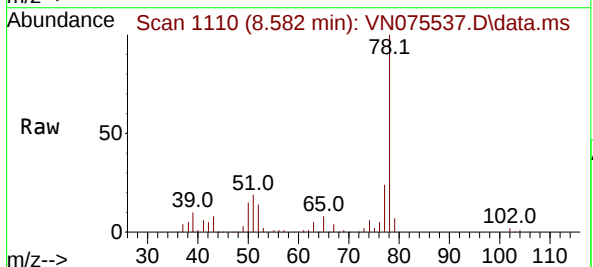
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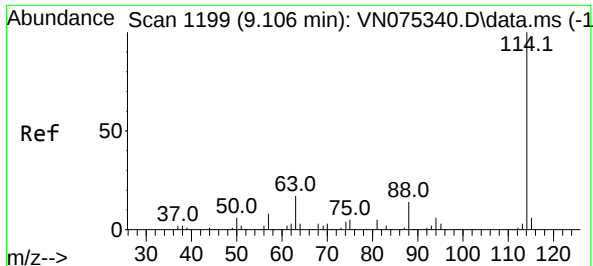
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#33
1,2-Dichloroethane-d4
Concen: 53.961 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

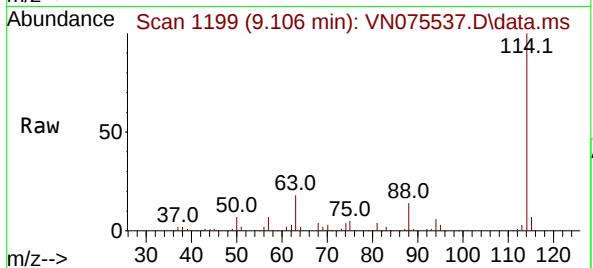
Tgt Ion: 65 Resp: 48602
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

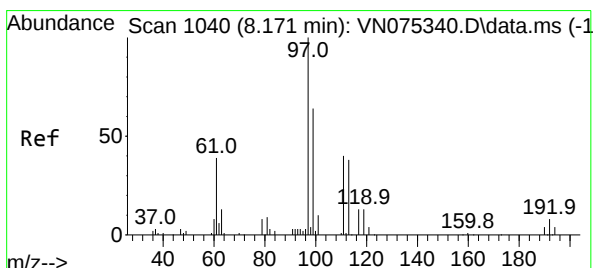
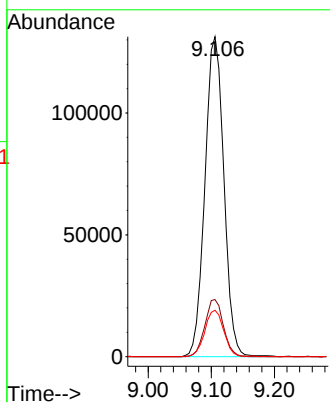
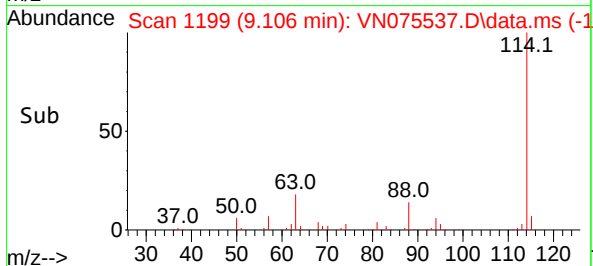
Instrument :
MSVOA_N
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SAY2-VRG-1201



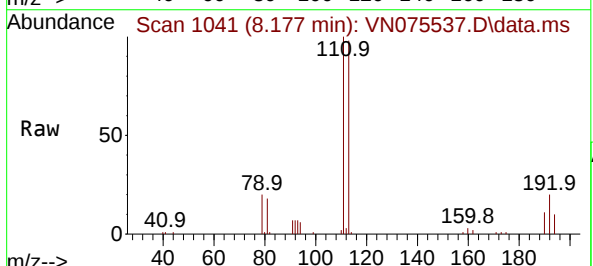
Tgt Ion:114 Resp: 273552
Ion Ratio Lower Upper
114 100
63 17.9 0.0 39.6
88 14.5 0.0 29.0

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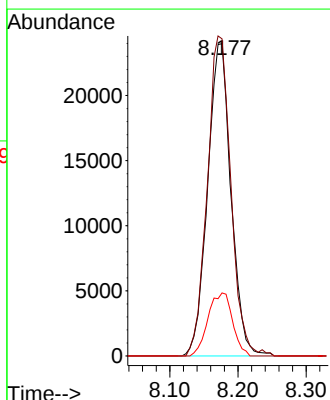
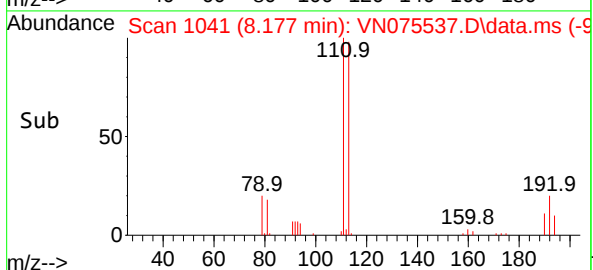
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

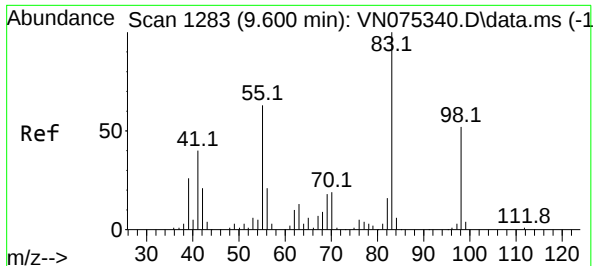


#35
Dibromofluoromethane
Concen: 53.259 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17



Tgt Ion:113 Resp: 57232
Ion Ratio Lower Upper
113 100
111 103.3 80.5 120.7
192 21.1 13.2 19.8#





#39

Methylcyclohexane

Concen: 5.406 ug/l

RT: 9.600 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN075537.D

Acq: 02 Dec 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

SAY2-VRG-1201

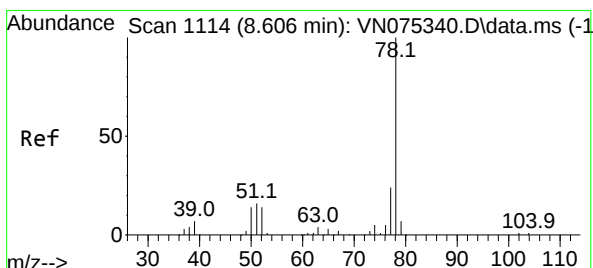
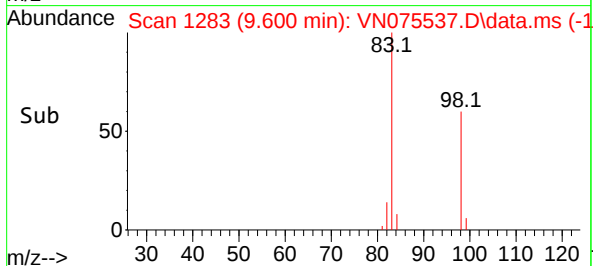
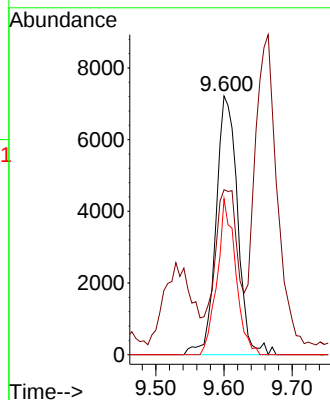
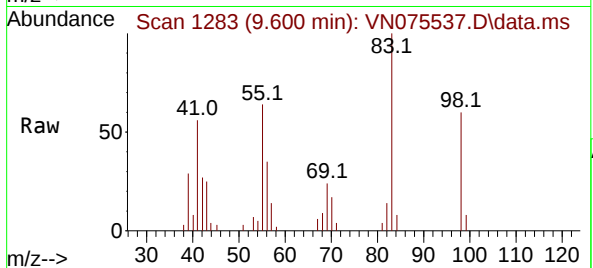
Tgt Ion: 83 Resp: 15850
 Ion Ratio Lower Upper
 83 100
 55 33.5 53.6 80.4
 98 60.3 41.1 61.7

Manual Integrations

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Supervised By :Mahesh Dadoda 12/05/2022



#40

Benzene

Concen: 546.879 ug/l

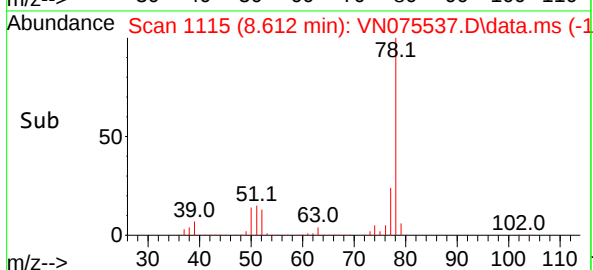
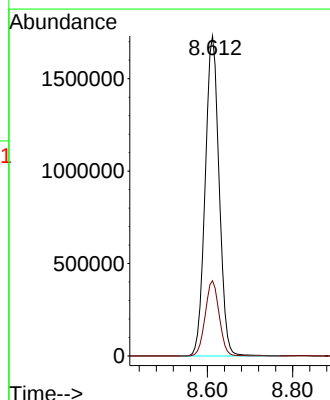
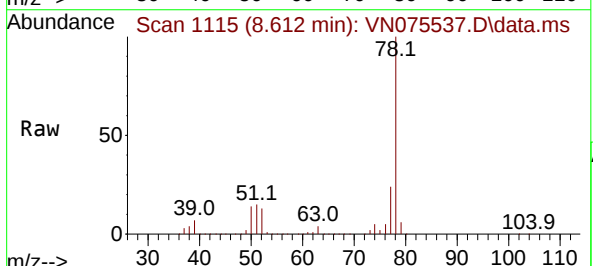
RT: 8.612 min Scan# 1115

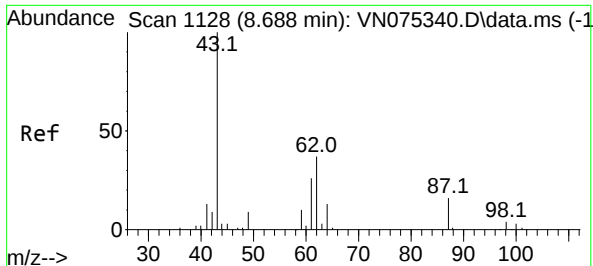
Delta R.T. 0.006 min

Lab File: VN075537.D

Acq: 02 Dec 2022 17:17

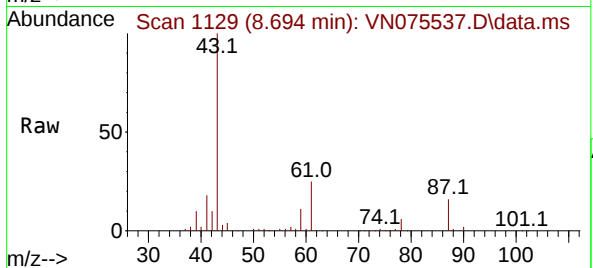
Tgt Ion: 78 Resp: 3923838
 Ion Ratio Lower Upper
 78 100
 77 23.5 19.4 29.0





#43
Isopropyl Acetate
Concen: 53.070 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

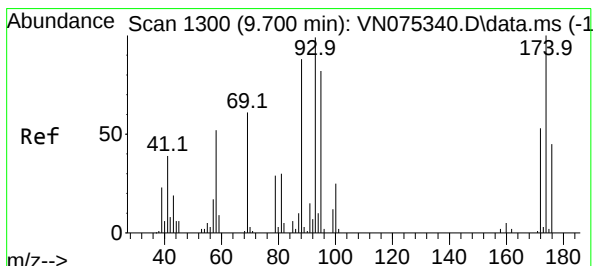
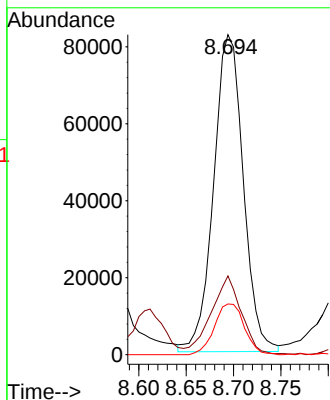
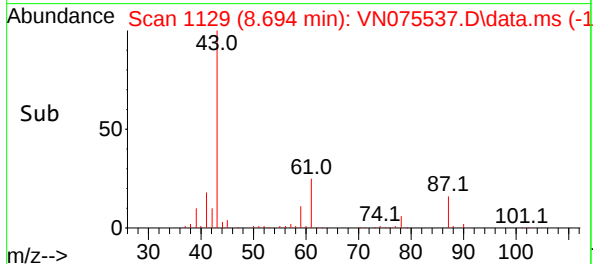
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



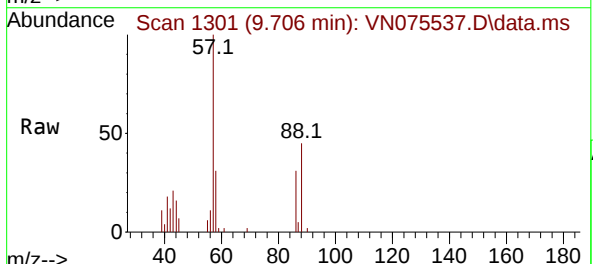
Tgt Ion: 43 Resp: 179748
Ion Ratio Lower Upper
43 100
61 25.4 22.4 33.6
87 16.2 12.5 18.7

Manual Integrations
APPROVED

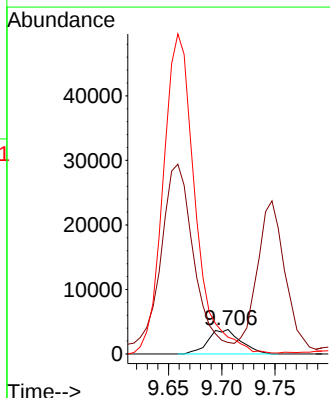
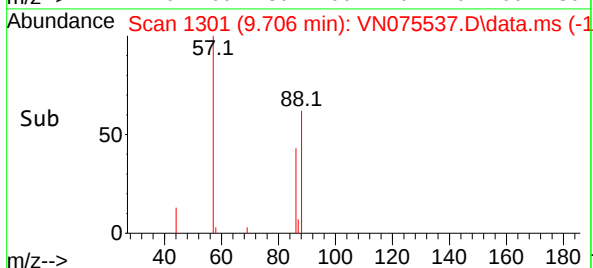
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

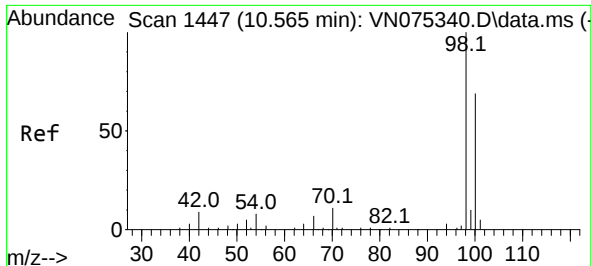


#49
1,4-Dioxane
Concen: 180.319 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17



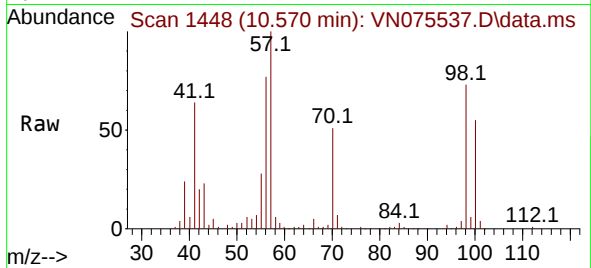
Tgt Ion: 88 Resp: 8019
Ion Ratio Lower Upper
88 100
43 0.0 17.5 26.3#
58 0.0 49.8 74.8#





#50
Toluene-d8
Concen: 53.697 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. 0.005 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

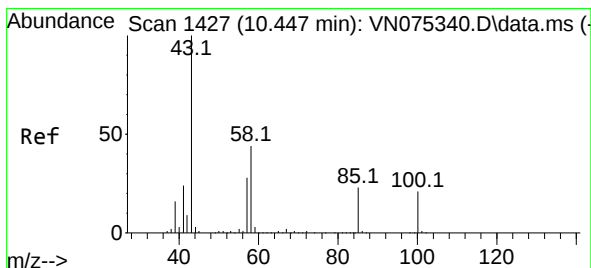
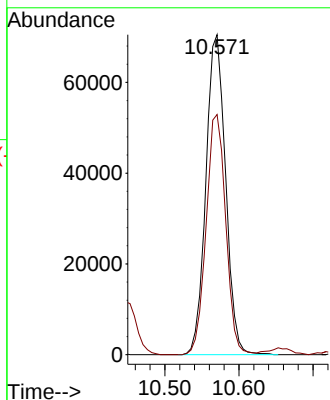
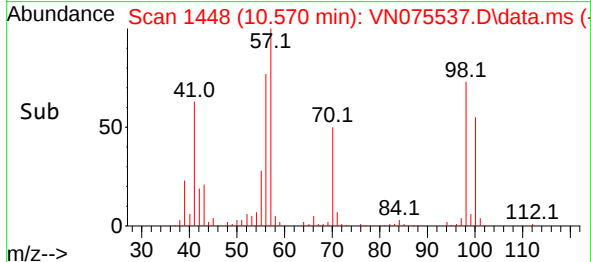
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



Tgt Ion: 98 Resp: 12996
Ion Ratio Lower Upper
98 100
100 74.9 53.0 79.6

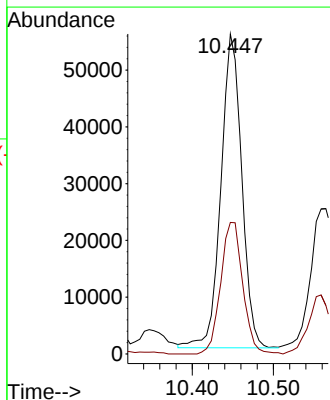
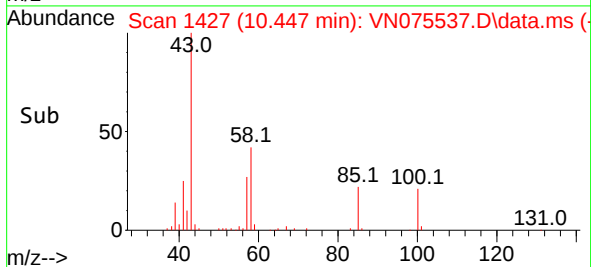
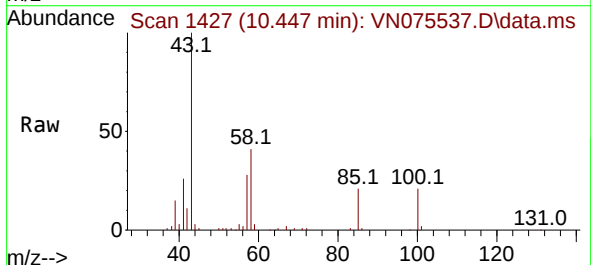
Manual Integrations
APPROVED

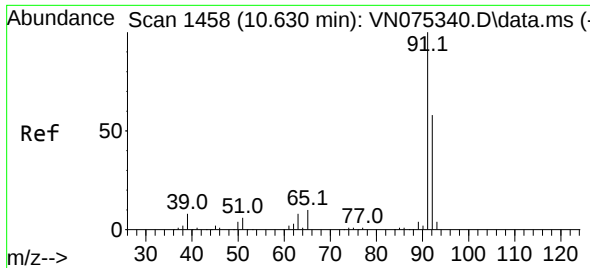
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#51
4-Methyl-2-Pentanone
Concen: 45.724 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

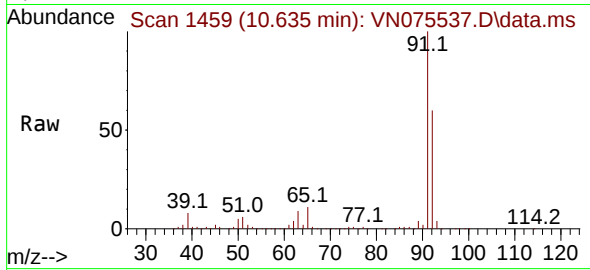
Tgt Ion: 43 Resp: 98638
Ion Ratio Lower Upper
43 100
58 44.5 33.6 50.4





#52
Toluene
Concen: 725.442 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

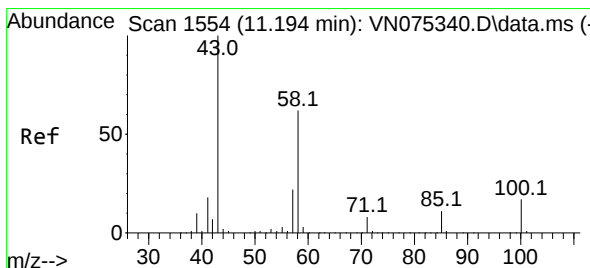
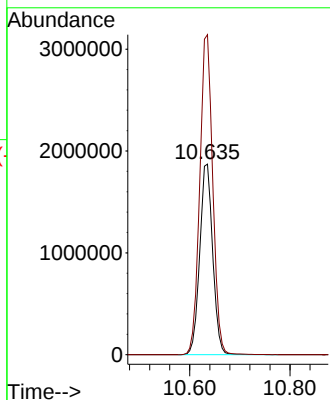
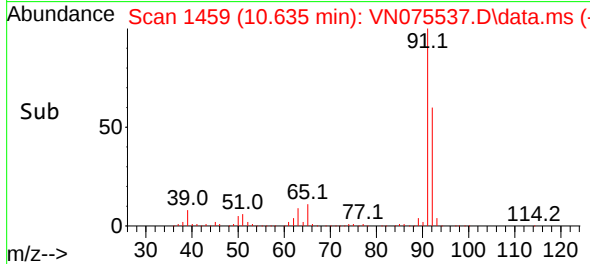
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



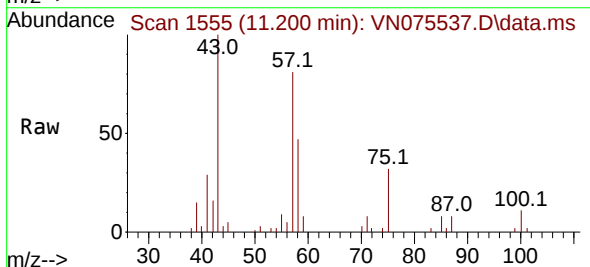
Tgt Ion: 92 Resp: 3354169
Ion Ratio Lower Upper
92 100
91 168.6 135.4 203.2

Manual Integrations
APPROVED

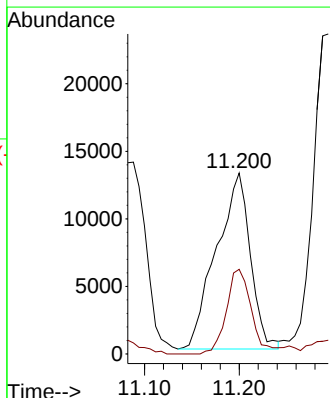
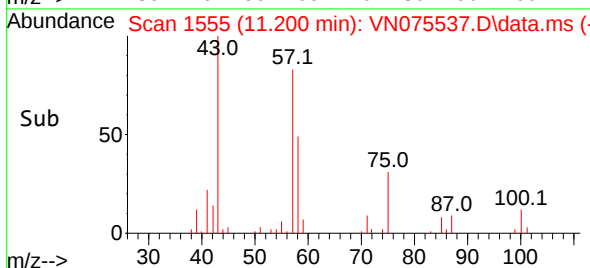
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

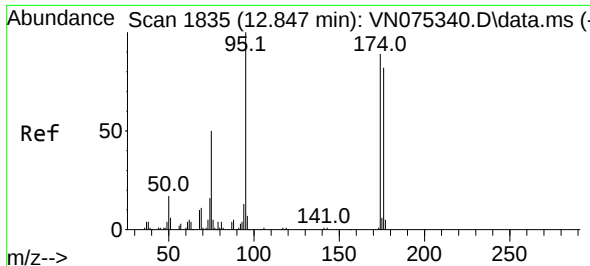


#59
2-Hexanone
Concen: 20.019 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17



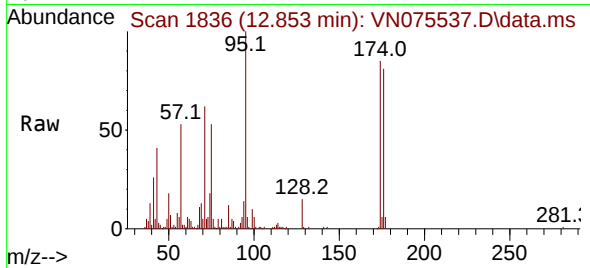
Tgt Ion: 43 Resp: 32429
Ion Ratio Lower Upper
43 100
58 35.4 29.6 88.8





#62
4-Bromofluorobenzene
Concen: 58.578 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

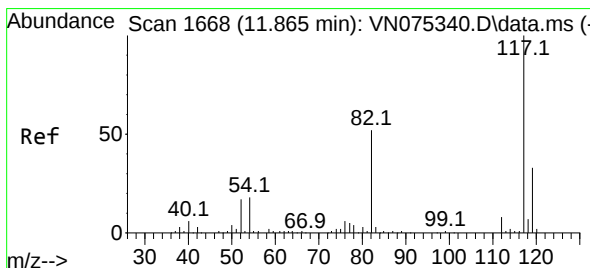
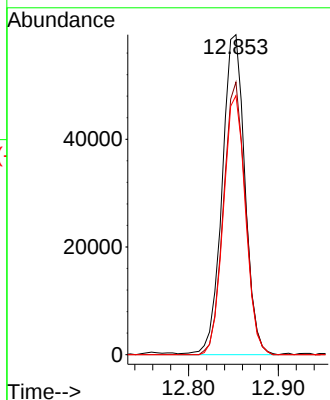
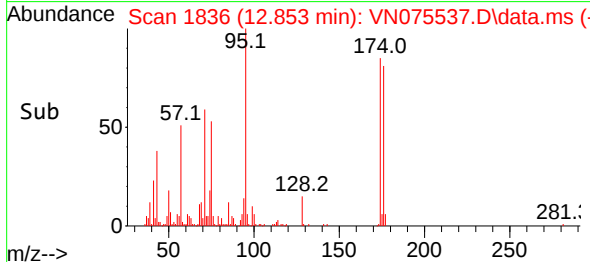
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



Tgt Ion: 95 Resp: 10464
Ion Ratio Lower Upper
95 100
174 82.1 0.0 147.4
176 78.8 0.0 142.2

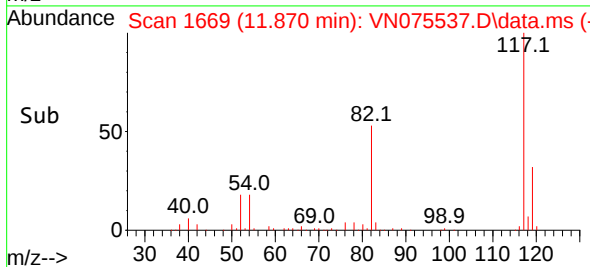
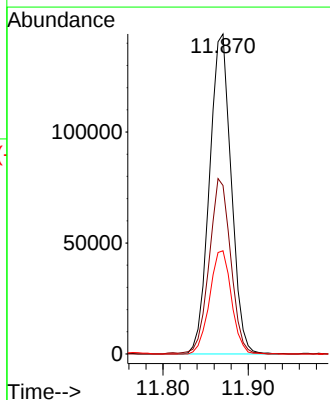
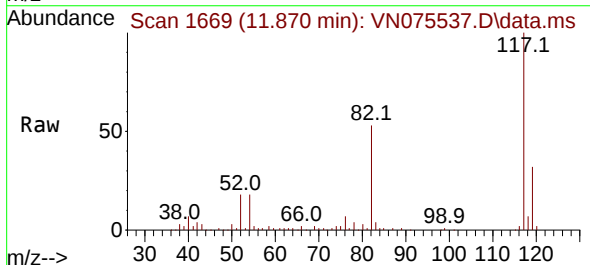
Manual Integrations
APPROVED

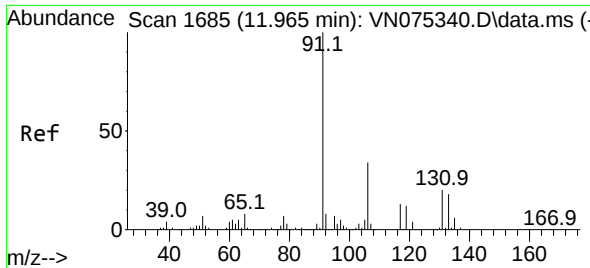
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

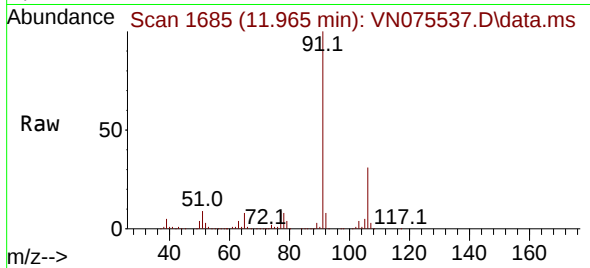
Tgt Ion:117 Resp: 254936
Ion Ratio Lower Upper
117 100
82 52.5 43.1 64.7
119 32.2 25.5 38.3





#67
Ethyl Benzene
Concen: 33.777 ug/l
RT: 11.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

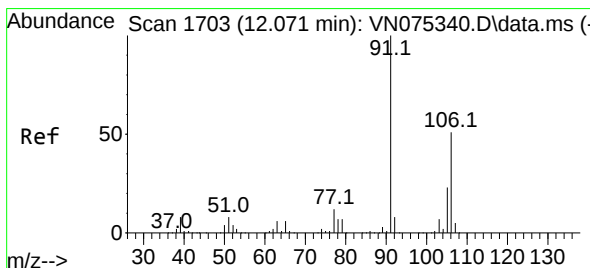
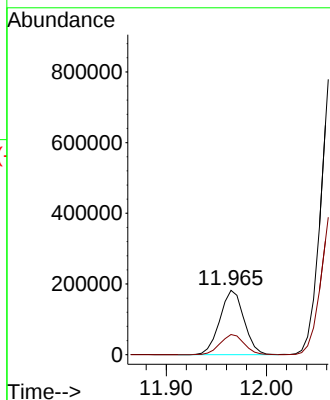
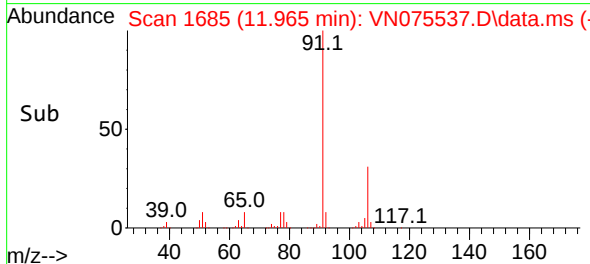
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



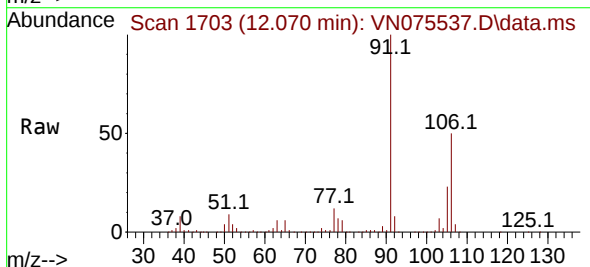
Tgt Ion: 91 Resp: 303394
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

Manual Integrations
APPROVED

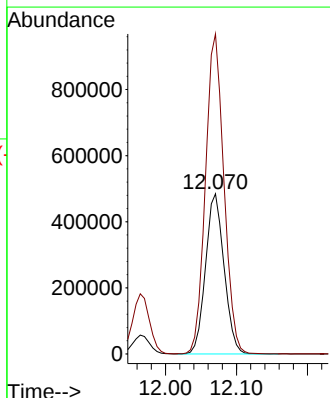
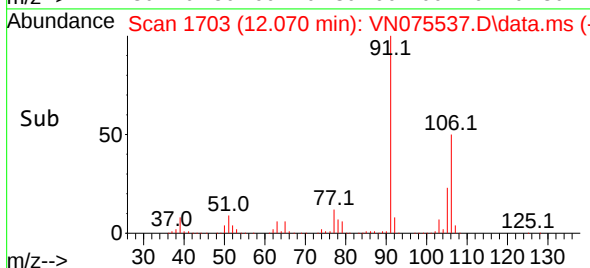
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

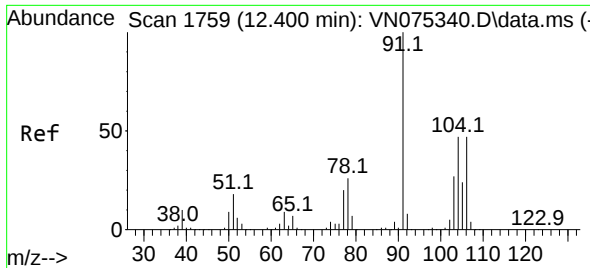


#68
m/p-Xylenes
Concen: 240.871 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17



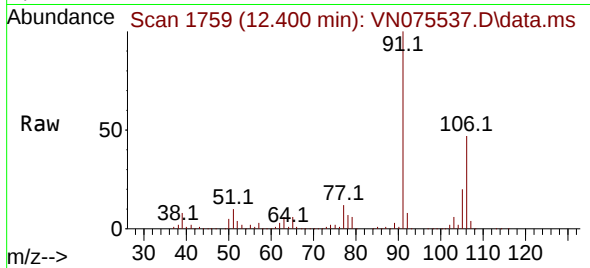
Tgt Ion:106 Resp: 878590
Ion Ratio Lower Upper
106 100
91 198.8 156.0 234.0





#69
o-Xylene
Concen: 74.891 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

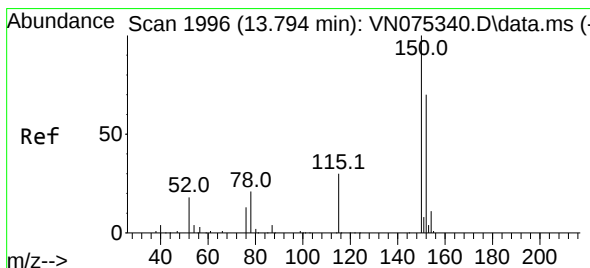
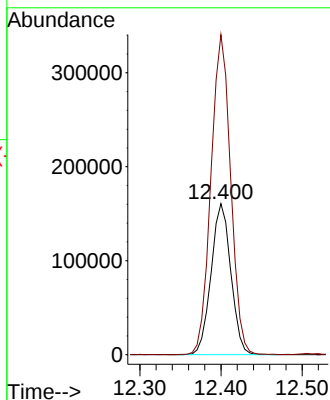
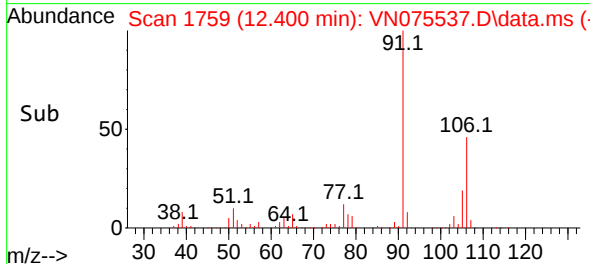
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



Tgt Ion:106 Resp: 27141
Ion Ratio Lower Upper
106 100
91 212.0 105.2 315.5

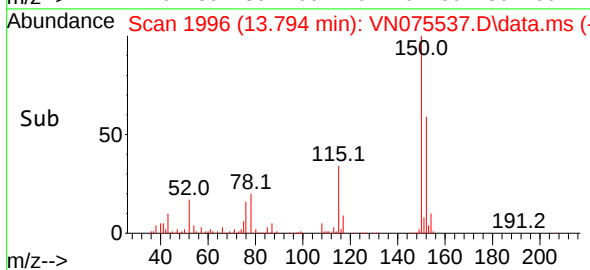
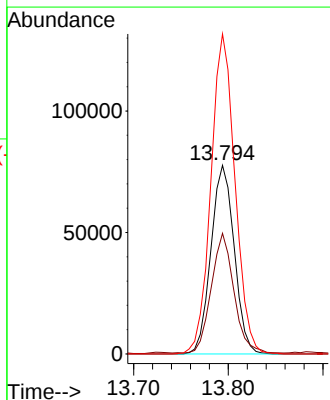
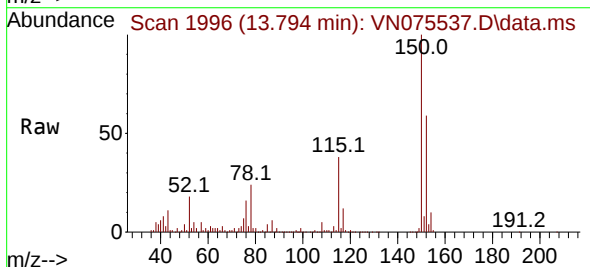
Manual Integrations
APPROVED

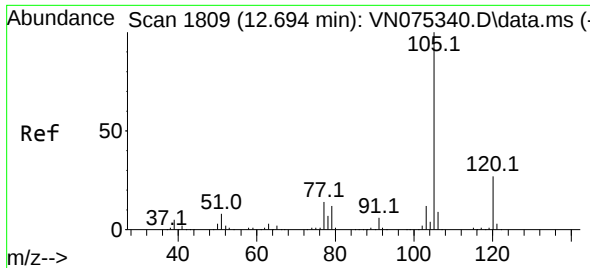
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

Tgt Ion:152 Resp: 132656
Ion Ratio Lower Upper
152 100
115 61.8 30.2 90.6
150 175.5 0.0 348.4





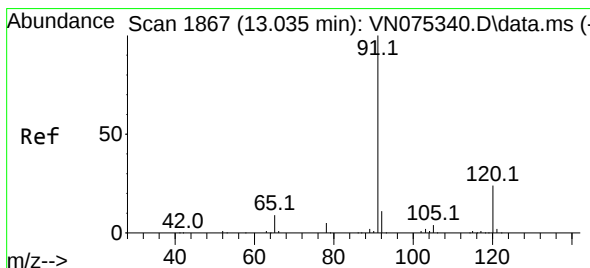
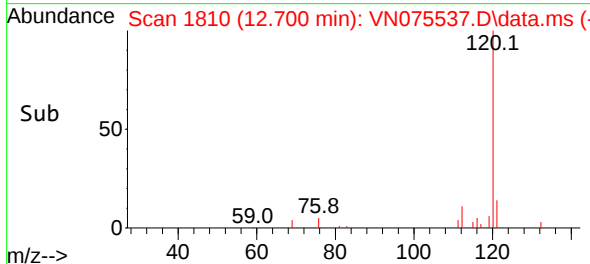
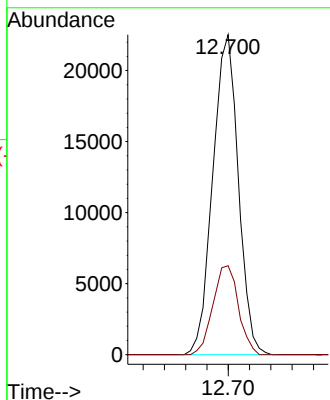
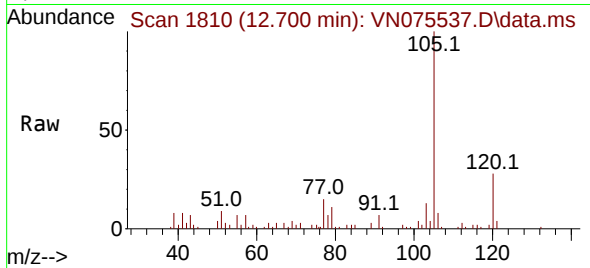
#73
Isopropylbenzene
Concen: 3.865 ug/l
RT: 12.700 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201

Tgt Ion:105 Resp: 3745
Ion Ratio Lower Upper
105 100
120 27.7 13.1 39.1

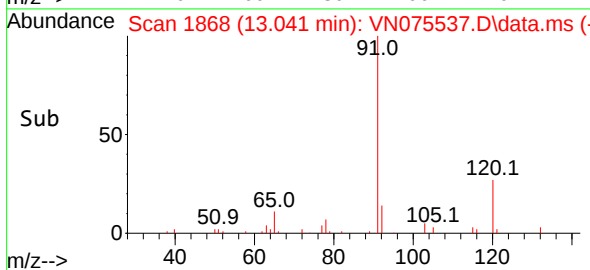
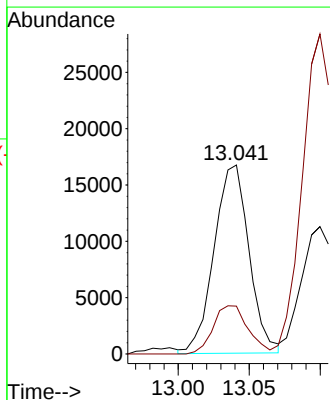
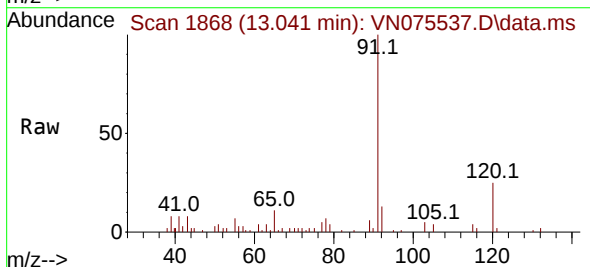
Manual Integrations
APPROVED

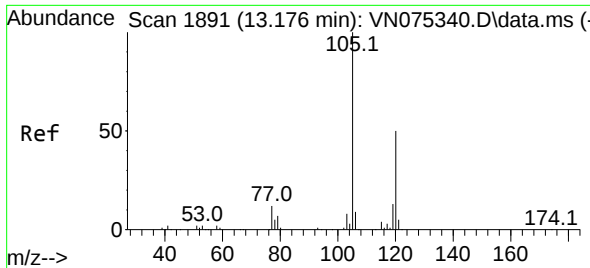
Reviewed By :John Carbone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#78
n-propylbenzene
Concen: 2.645 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

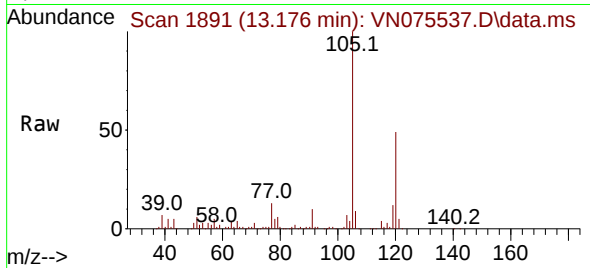
Tgt Ion: 91 Resp: 28604
Ion Ratio Lower Upper
91 100
120 25.6 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 18.588 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

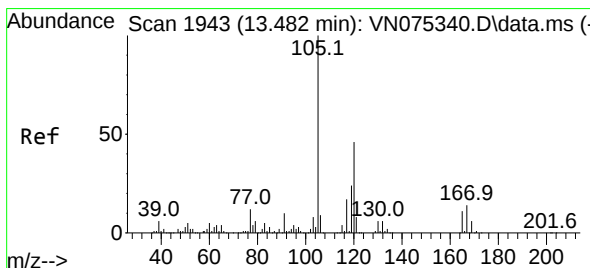
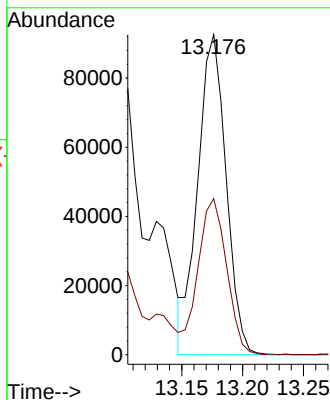
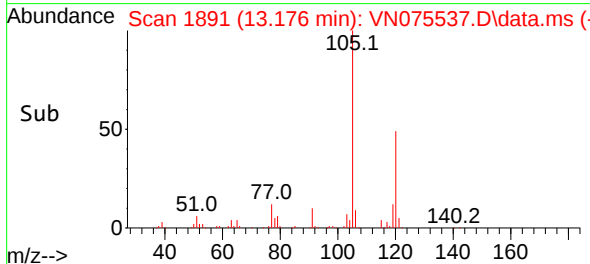
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



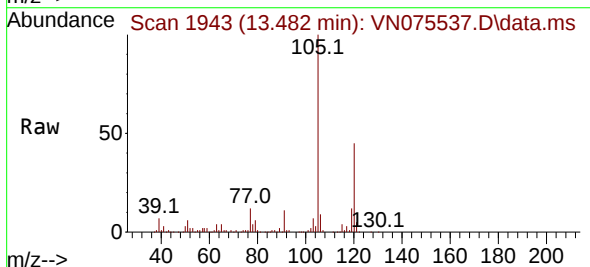
Tgt Ion:105 Resp: 149679
Ion Ratio Lower Upper
105 100
120 49.5 24.7 74.1

Manual Integrations
APPROVED

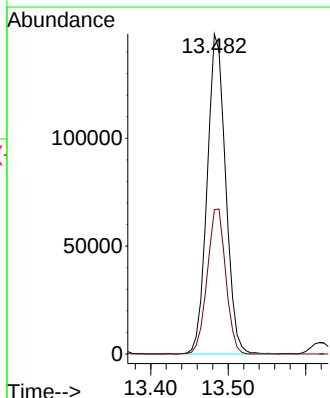
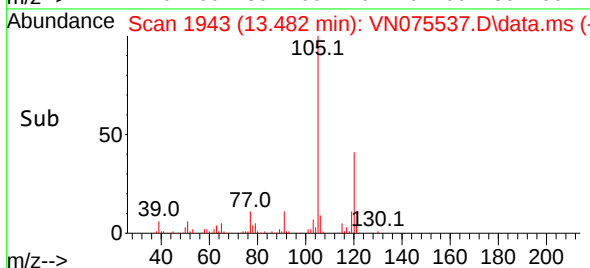
Reviewed By :John Carlone 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

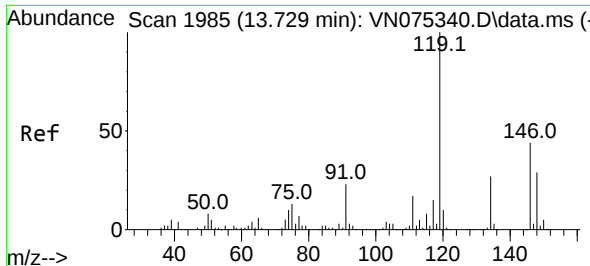


#84
1,2,4-Trimethylbenzene
Concen: 30.372 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17



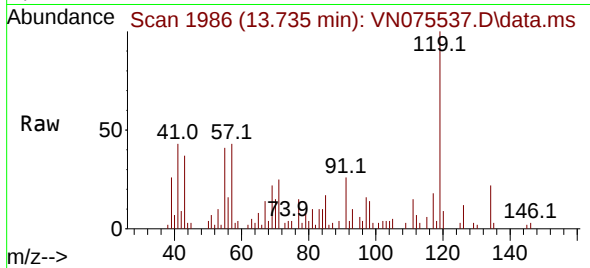
Tgt Ion:105 Resp: 245307
Ion Ratio Lower Upper
105 100
120 45.6 22.7 68.1





#86
p-Isopropyltoluene
Concen: 1.484 ug/l m
RT: 13.735 min Scan# 1985
Delta R.T. 0.006 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

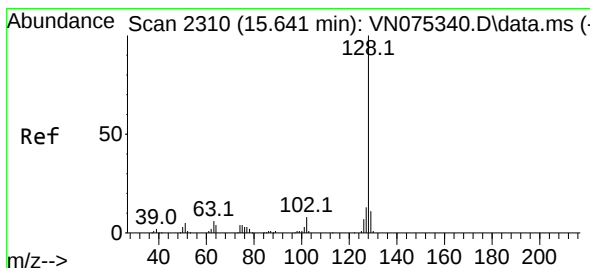
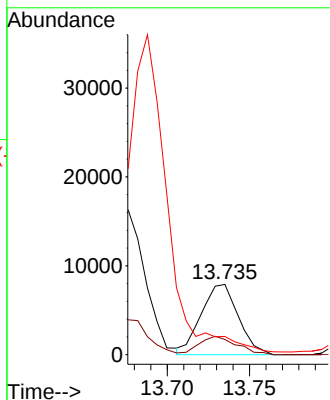
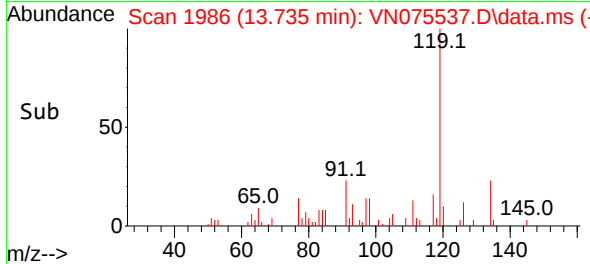
Instrument :
MSVOA_N
ClientSampleId :
SAY2-VRG-1201



Tgt Ion:119 Resp: 1244
Ion Ratio Lower Upper
119 100
134 22.0 13.1 39.3
91 23.2 11.9 35.5

Manual Integrations
APPROVED

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



#95
Naphthalene
Concen: 7.899 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075537.D
Acq: 02 Dec 2022 17:17

Tgt Ion:128 Resp: 56274
Ion Ratio Lower Upper
128 100
127 17.2 10.4 15.6#
129 13.9 8.6 12.8#

