

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120622\
 Data File : VN075585.D
 Acq On : 06 Dec 2022 15:26
 Operator : JC\MD
 Sample : N5876-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LIN-VRG-12-02

Quant Time: Dec 07 00:14:49 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 :Krupa Patel 12/07/2022
 Supervised By :Mahesh Dadoda 12/07/2022

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	177846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	310739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	304607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	164515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	54936	57.546	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.100%			
35) Dibromofluoromethane	8.177	113	56865	46.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.160%			
50) Toluene-d8	10.571	98	124903	45.430	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.860%			
62) 4-Bromofluorobenzene	12.853	95	106872	52.664	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.320%			
Target Compounds					Qvalue	
8) Diethyl Ether	3.965	74	215760	202.060	ug/l	96
16) Acetone	4.436	43	11728641	13171.485	ug/l	94
18) Methyl Acetate	5.030	43	704436	320.816	ug/l	95
19) Methyl tert-butyl Ether	5.812	73	306233	52.489	ug/l #	89
20) Methylene Chloride	5.289	84	13676	6.460	ug/l #	84
25) 2-Butanone	7.488	43	40484750m	32565.205	ug/l	
29) Tetrahydrofuran	7.847	42	11856236	15678.881	ug/l	99
31) Cyclohexane	8.259	56	23940	7.893	ug/l	96
39) Methylcyclohexane	9.606	83	101770	30.546	ug/l	98
40) Benzene	8.612	78	15360794	1884.681	ug/l	98
51) 4-Methyl-2-Pentanone	10.453	43	43806	17.876	ug/l	99
52) Toluene	10.624	92	25913558m	4933.881	ug/l	
67) Ethyl Benzene	11.971	91	13510417	1258.867	ug/l	95
68) m/p-Xylenes	12.065	106	19855872	4555.953	ug/l #	1
69) o-Xylene	12.406	106	11105632	2564.694	ug/l	69
73) Isopropylbenzene	12.700	105	1028316	85.555	ug/l	99
78) n-propylbenzene	13.041	91	1067302	79.568	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	1560918	156.313	ug/l	99
83) tert-Butylbenzene	13.441	119	58836	6.462	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	3337737	333.225	ug/l	100
85) sec-Butylbenzene	13.618	105	90345m	7.313	ug/l	
86) p-Isopropyltoluene	13.735	119	58718	5.649	ug/l #	77
89) n-Butylbenzene	14.059	91	31861	3.629	ug/l #	75
95) Naphthalene	15.641	128	265586	30.060	ug/l #	97

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

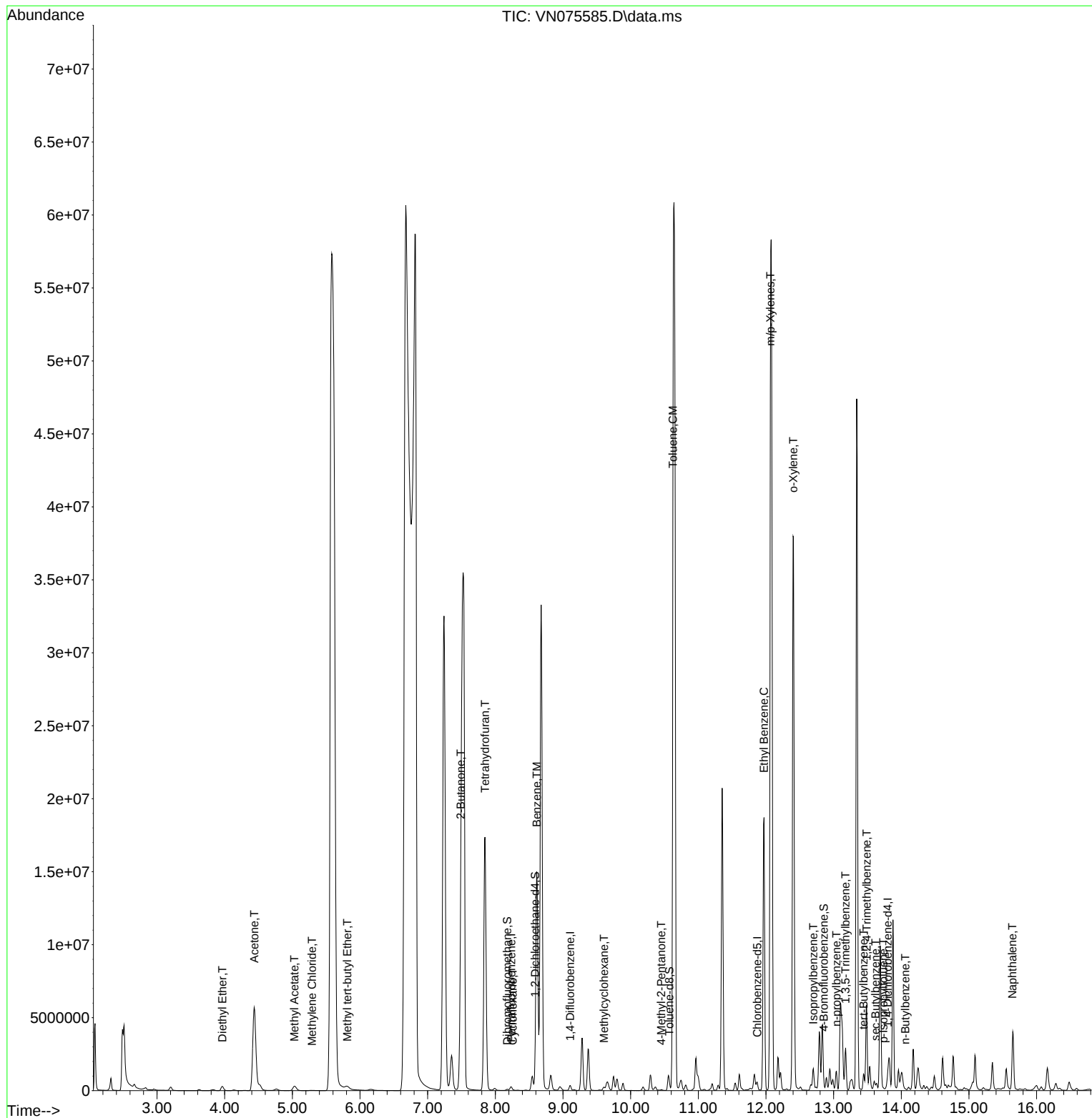
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120622\
Data File : VN075585.D
Acq On : 06 Dec 2022 15:26
Operator : JC\MD
Sample : N5876-02
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02

Quant Time: Dec 07 00:14:49 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

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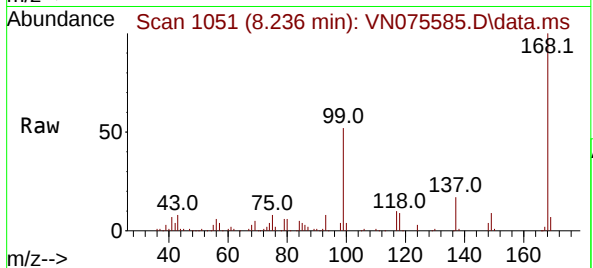
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

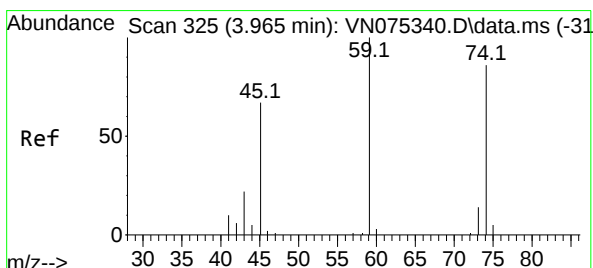
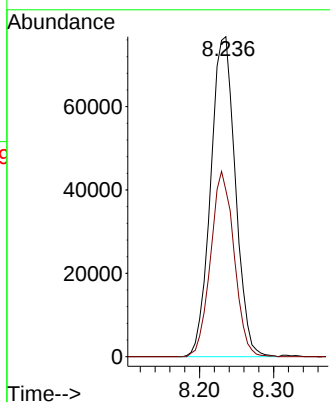
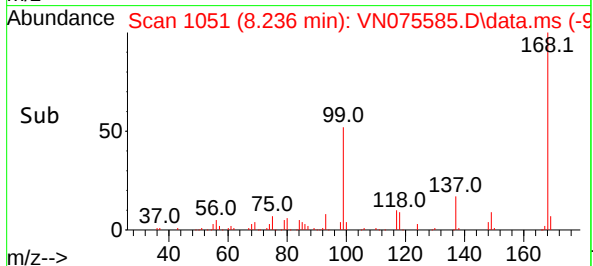
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02



Tgt Ion:168 Resp: 177840
Ion Ratio Lower Upper
168 100
99 52.0 51.6 77.4

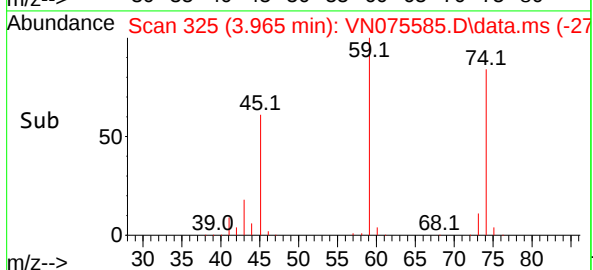
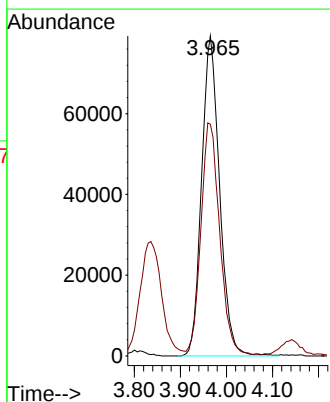
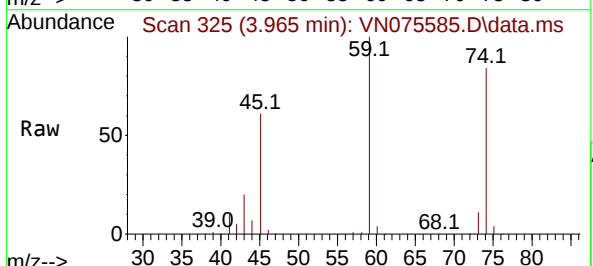
Manual Integrations
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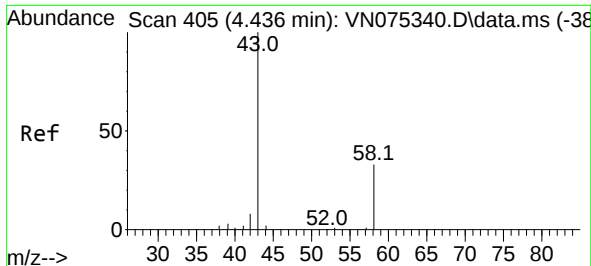
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#8
Diethyl Ether
Concen: 202.060 ug/l
RT: 3.965 min Scan# 325
Delta R.T. 0.000 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Tgt Ion: 74 Resp: 215760
Ion Ratio Lower Upper
74 100
45 75.4 39.3 117.9





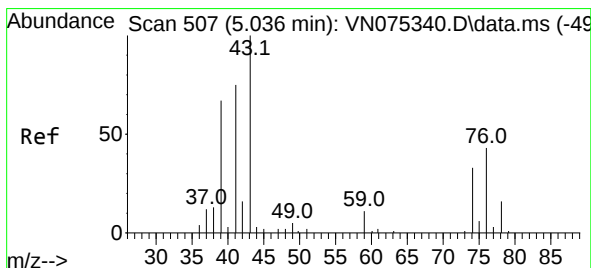
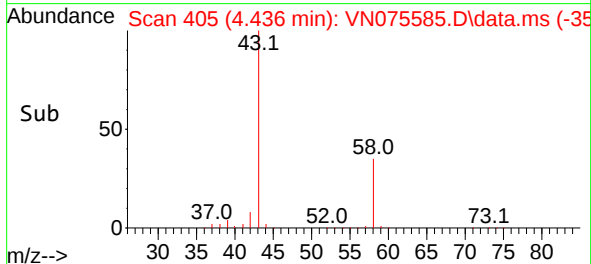
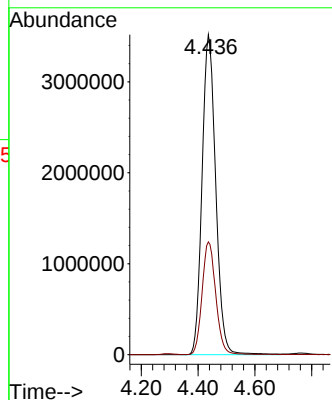
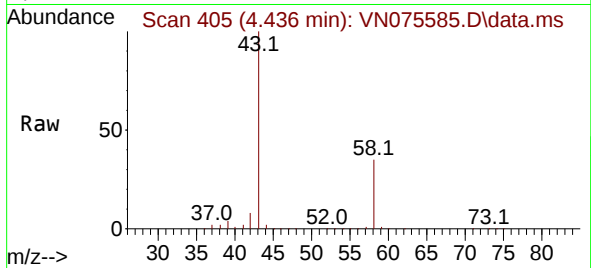
#16
Acetone
Concen: 13171.485 ug/l
RT: 4.436 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02

Tgt Ion: 43 Resp:1172864
Ion Ratio Lower Upper
43 100
58 35.2 25.5 38.3

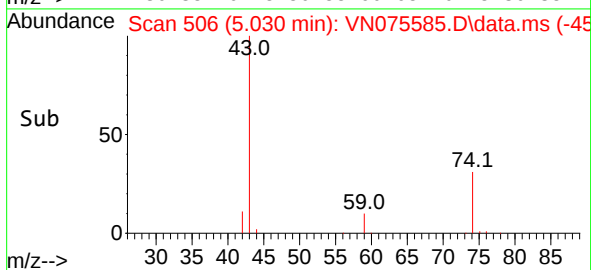
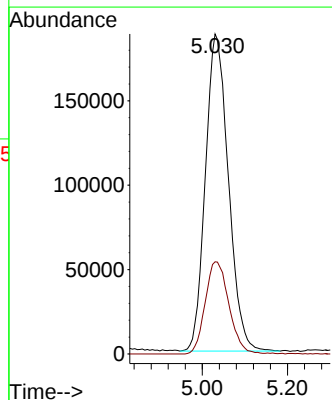
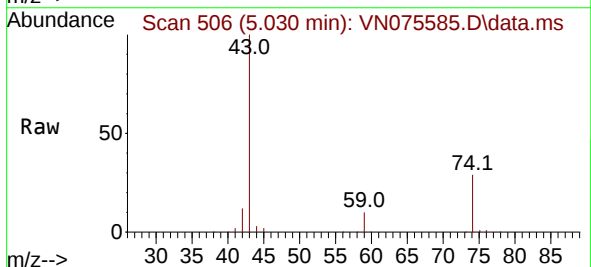
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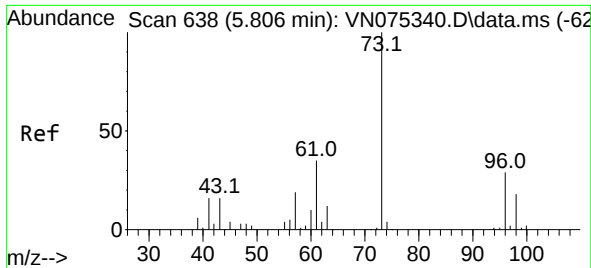
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#18
Methyl Acetate
Concen: 320.816 ug/l
RT: 5.030 min Scan# 506
Delta R.T. -0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Tgt Ion: 43 Resp: 704436
Ion Ratio Lower Upper
43 100
74 29.9 22.0 33.0





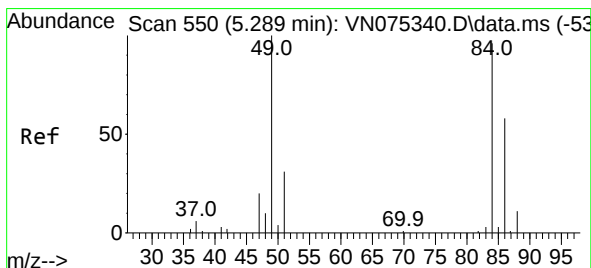
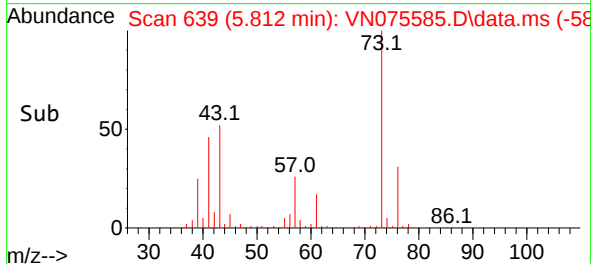
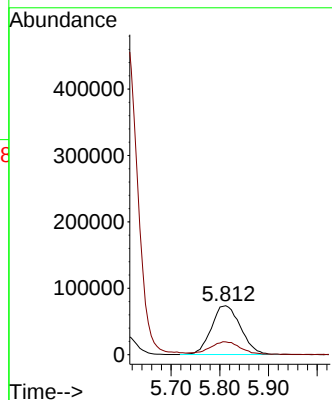
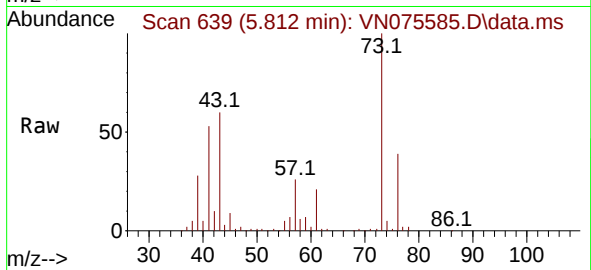
#19
Methyl tert-butyl Ether
Concen: 52.489 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02

Tgt Ion: 73 Resp: 30623
Ion Ratio Lower Upper
73 100
57 25.6 16.3 24.5

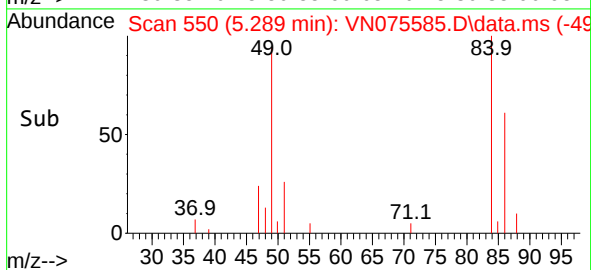
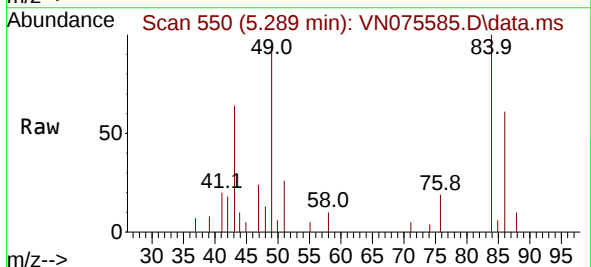
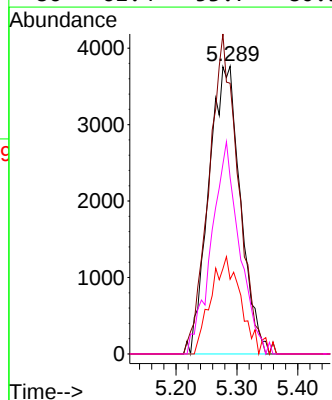
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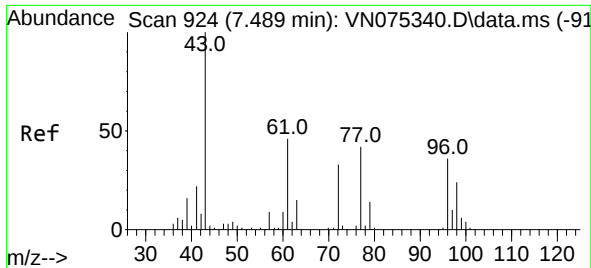
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#20
Methylene Chloride
Concen: 6.460 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

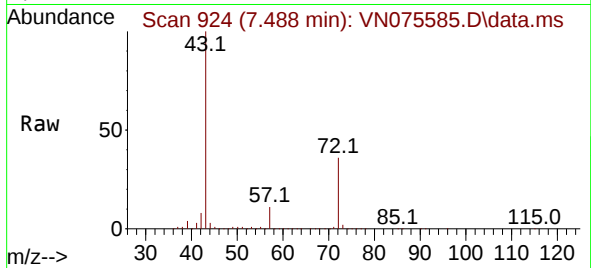
Tgt Ion: 84 Resp: 13676
Ion Ratio Lower Upper
84 100
49 94.1 94.9 142.3#
51 26.0 26.8 40.2#
86 61.4 53.7 80.5





#25
2-Butanone
Concen: 32565.205 ug/l m
RT: 7.488 min Scan# 91
Delta R.T. -0.001 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

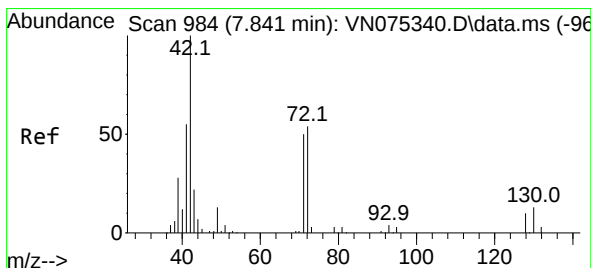
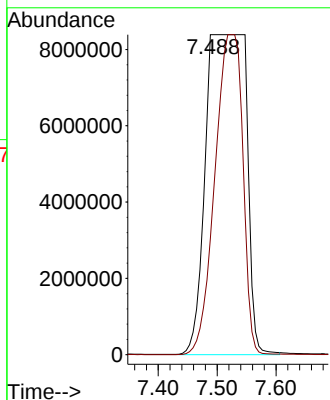
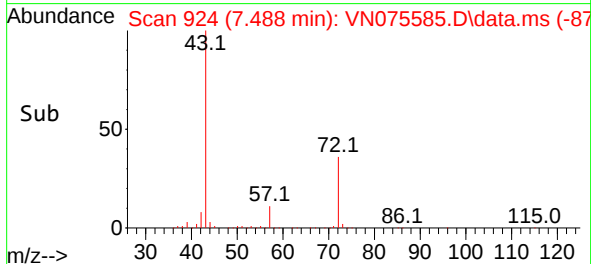
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02



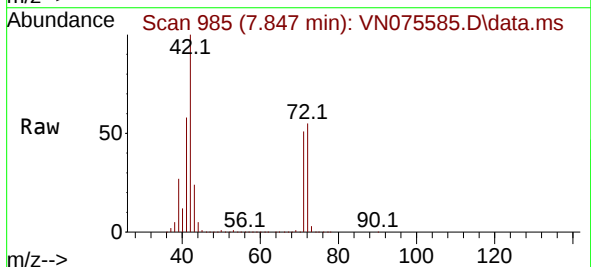
Tgt Ion: 43 Resp:40484750
Ion Ratio Lower Upper
43 100
72 36.2 25.5 38.3

Manual Integrations
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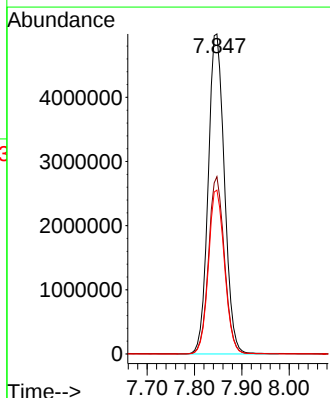
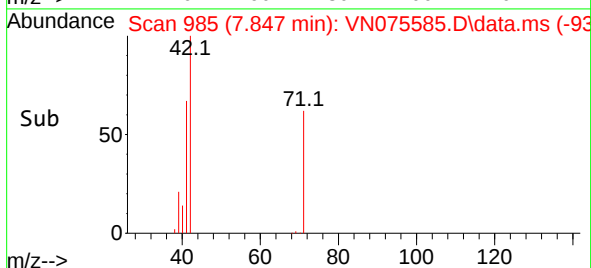
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022

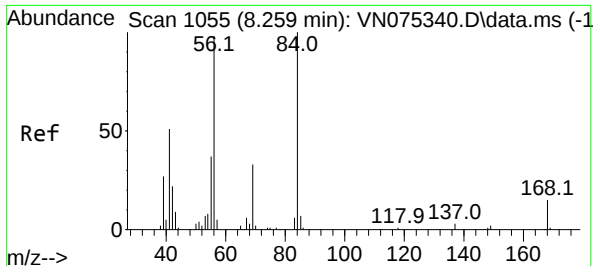


#29
Tetrahydrofuran
Concen: 15678.881 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26



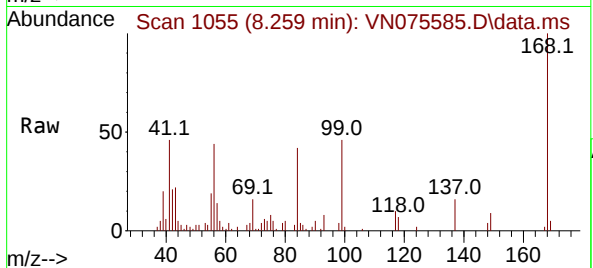
Tgt Ion: 42 Resp:11856236
Ion Ratio Lower Upper
42 100
72 54.4 43.0 64.6
71 50.9 39.9 59.9





#31
Cyclohexane
Concen: 7.893 ug/l
RT: 8.259 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

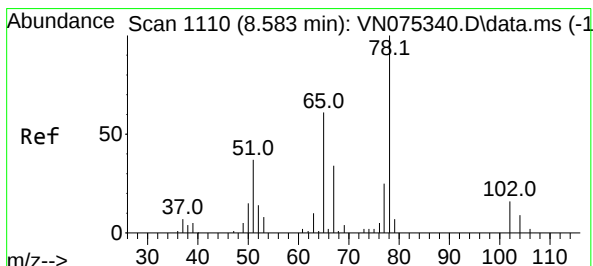
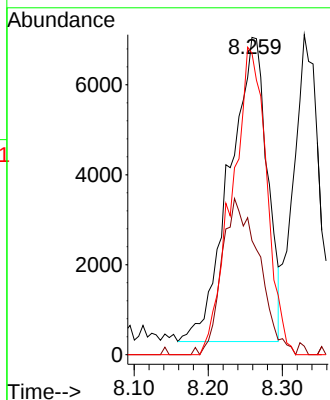
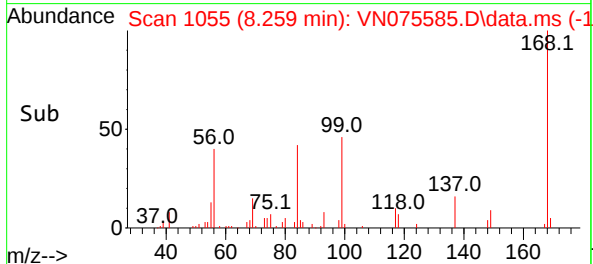
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02



Tgt Ion: 56 Resp: 23940
Ion Ratio Lower Upper
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69 37.5 25.2 37.8
84 99.2 77.8 116.8

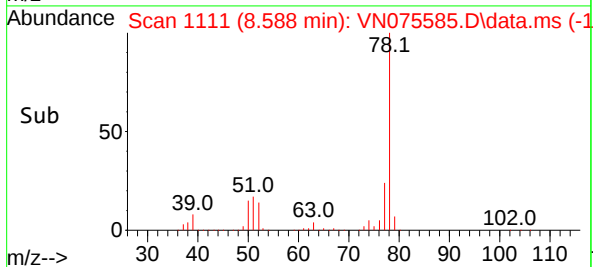
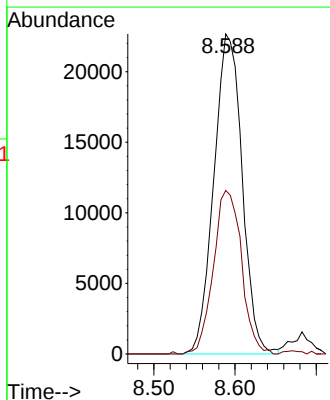
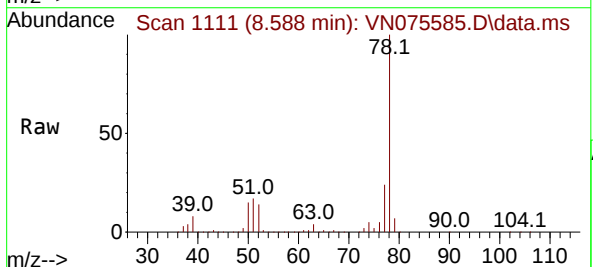
Manual Integrations
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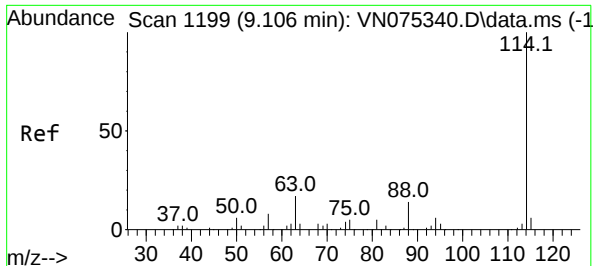
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#33
1,2-Dichloroethane-d4
Concen: 57.546 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Tgt Ion: 65 Resp: 54936
Ion Ratio Lower Upper
65 100
67 50.6 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: VN075585.D

Acq: 06 Dec 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :

LIN-VRG-12-02

Tgt Ion:114 Resp: 310739

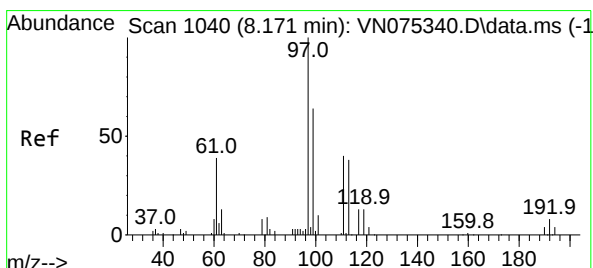
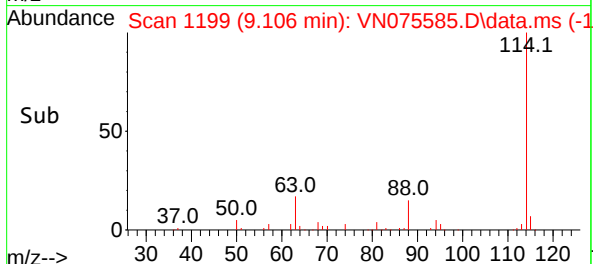
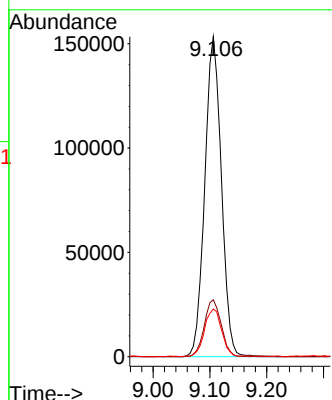
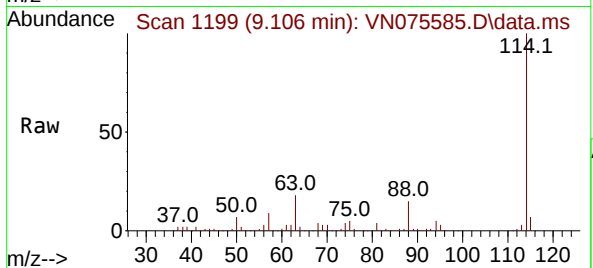
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	39.6
88	14.9	0.0	29.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 12/07/2022

Supervised By :Mahesh Dadoda 12/07/2022



#35

Dibromofluoromethane

Concen: 46.585 ug/l

RT: 8.177 min Scan# 1041

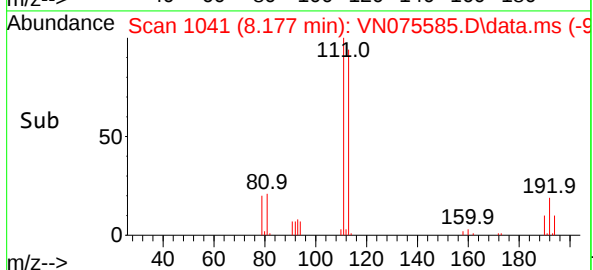
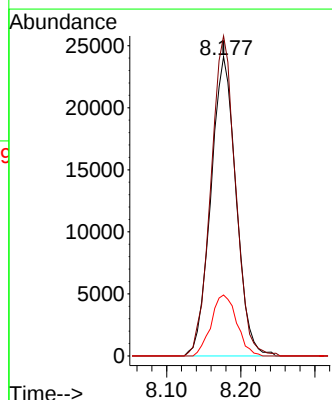
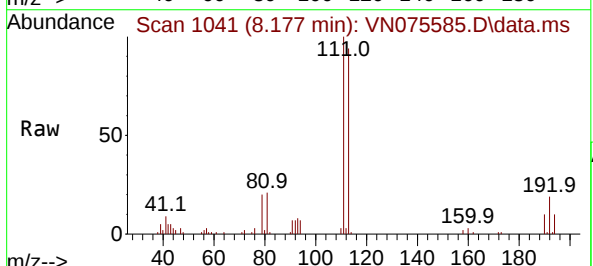
Delta R.T. 0.006 min

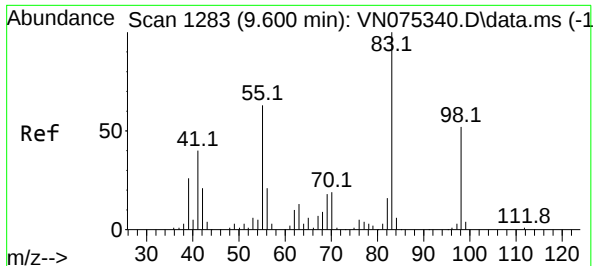
Lab File: VN075585.D

Acq: 06 Dec 2022 15:26

Tgt Ion:113 Resp: 56865

Ion	Ratio	Lower	Upper
113	100		
111	104.5	80.5	120.7
192	20.7	13.2	19.8





#39

Methylcyclohexane

Concen: 30.546 ug/l

RT: 9.606 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VN075585.D

Acq: 06 Dec 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :

LIN-VRG-12-02

Tgt Ion: 83 Resp: 101770

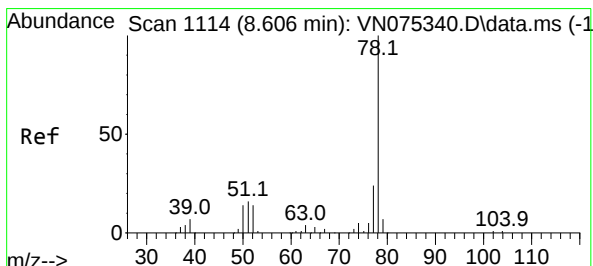
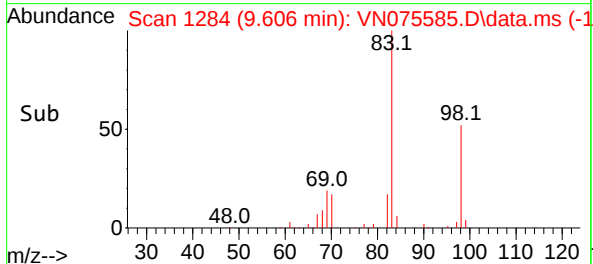
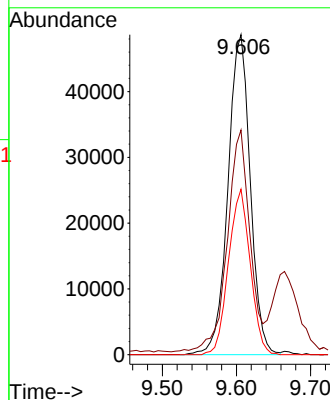
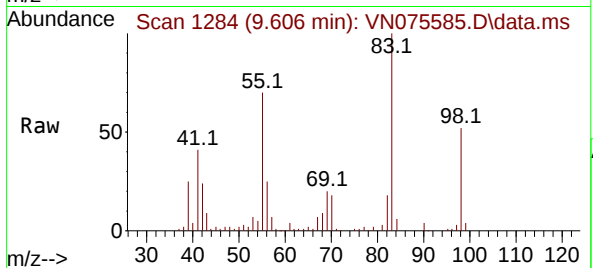
Ion	Ratio	Lower	Upper
83	100		
55	69.0	53.6	80.4
98	51.7	41.1	61.7

Manual Integrations

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Reviewed By :Krupa Patel 12/07/2022

Supervised By :Mahesh Dadoda 12/07/2022



#40

Benzene

Concen: 1884.681 ug/l

RT: 8.612 min Scan# 1115

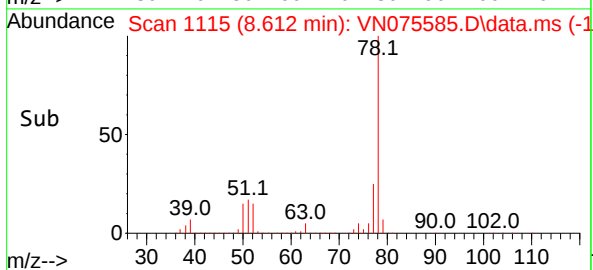
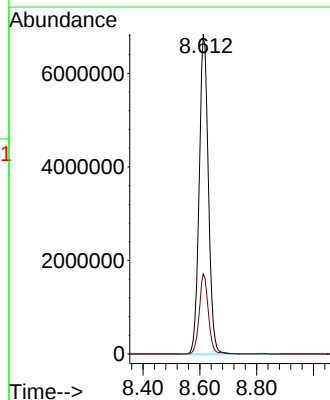
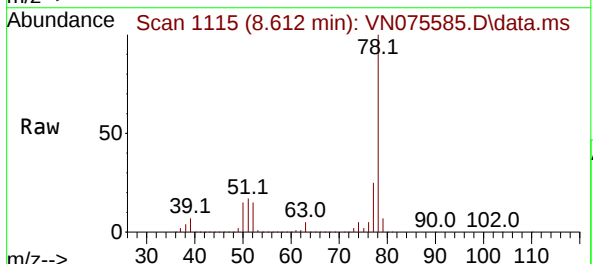
Delta R.T. 0.006 min

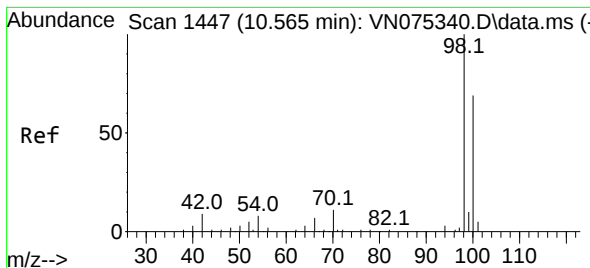
Lab File: VN075585.D

Acq: 06 Dec 2022 15:26

Tgt Ion: 78 Resp:15360794

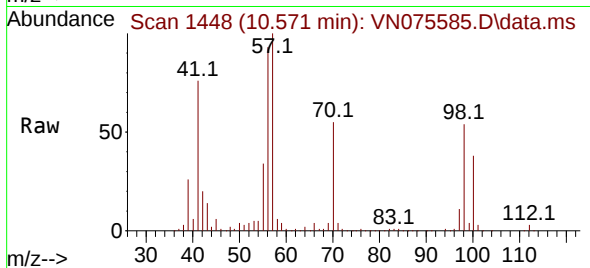
Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.4	29.0





#50
Toluene-d8
Concen: 45.430 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

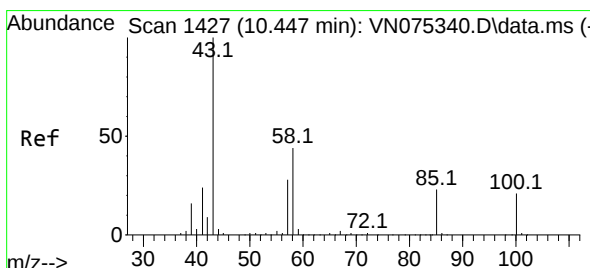
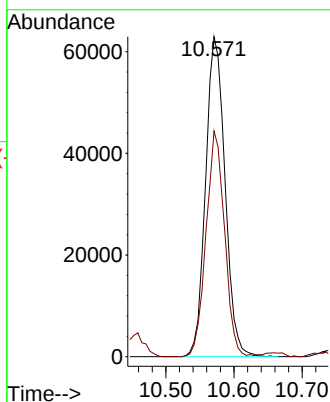
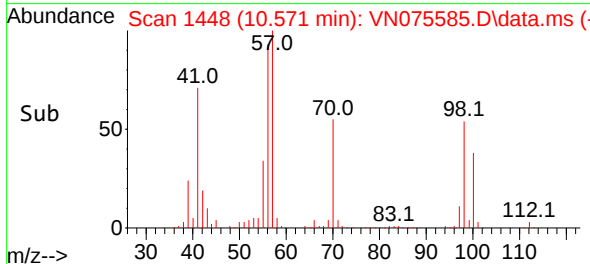
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02



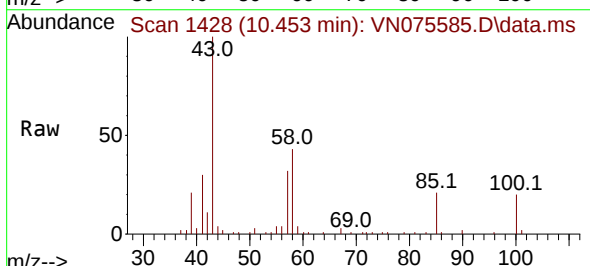
Tgt Ion: 98 Resp: 12490
Ion Ratio Lower Upper
98 100
100 67.3 53.0 79.6

Manual Integrations
APPROVED

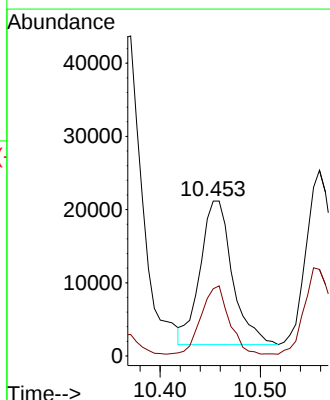
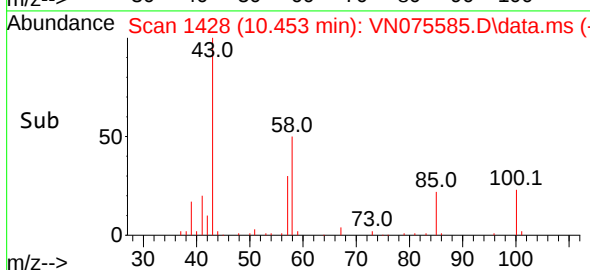
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022

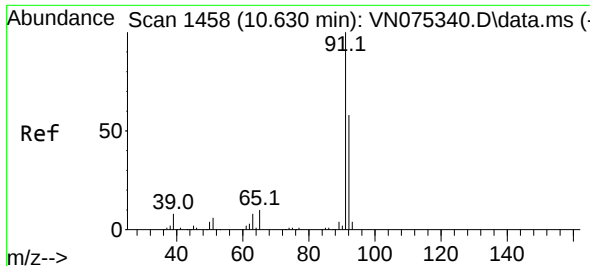


#51
4-Methyl-2-Pentanone
Concen: 17.876 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26



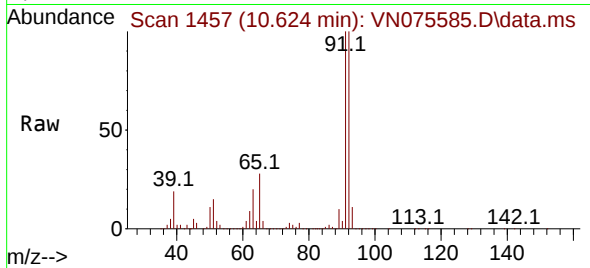
Tgt Ion: 43 Resp: 43806
Ion Ratio Lower Upper
43 100
58 41.1 33.6 50.4





#52
Toluene
Concen: 4933.881 ug/l m
RT: 10.624 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

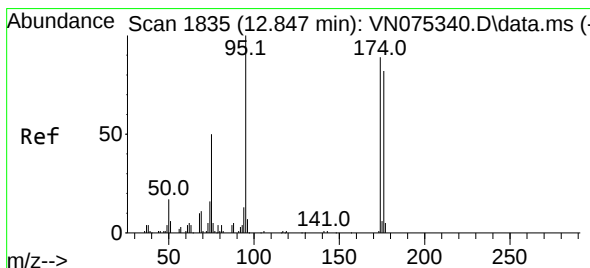
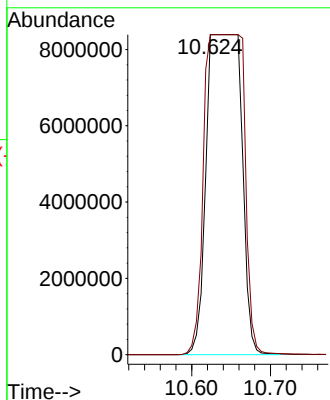
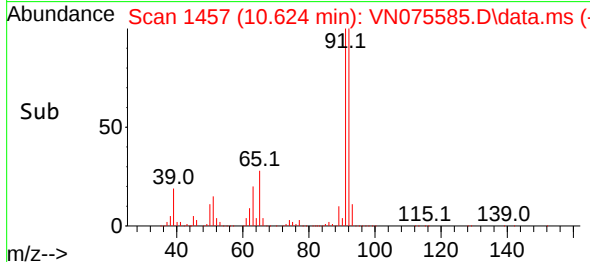
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02



Tgt Ion: 92 Resp: 2591355
Ion Ratio Lower Upper
92 100
91 0.0 135.4 203.2

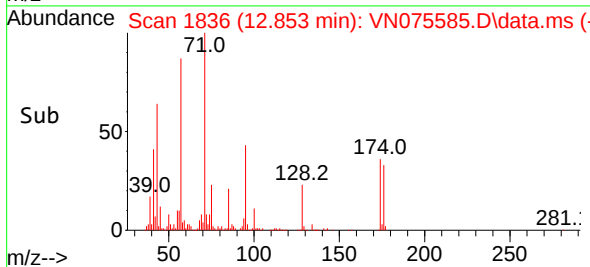
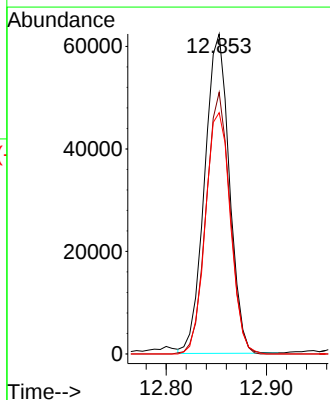
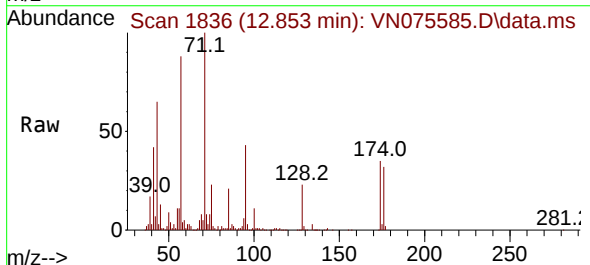
Manual Integrations
APPROVED

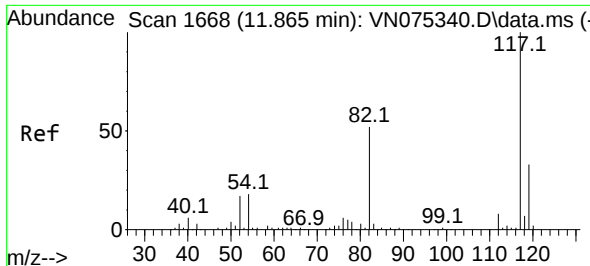
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#62
4-Bromofluorobenzene
Concen: 52.664 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

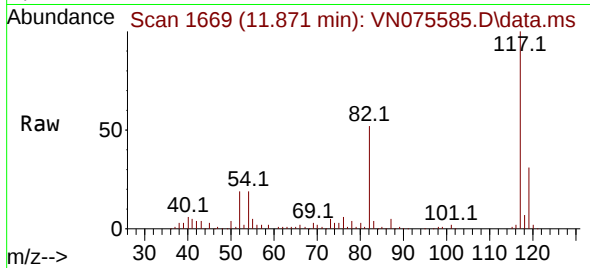
Tgt Ion: 95 Resp: 106872
Ion Ratio Lower Upper
95 100
174 79.2 0.0 147.4
176 76.7 0.0 142.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

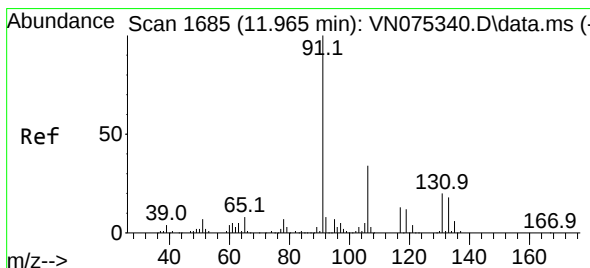
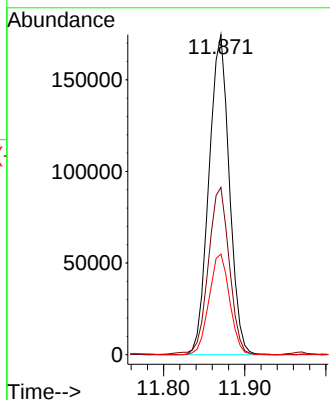
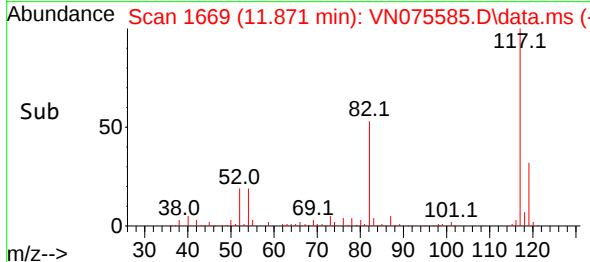
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02



Tgt Ion:117 Resp: 304607
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 31.5 25.5 38.3

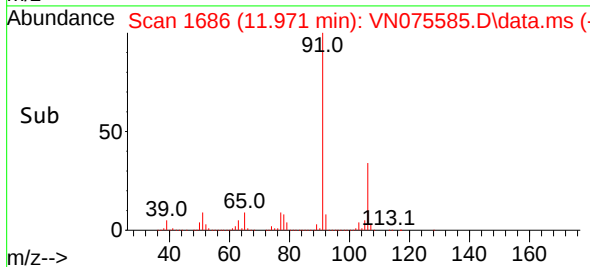
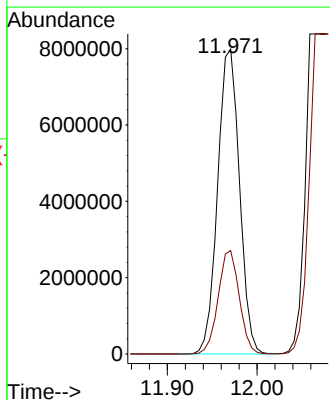
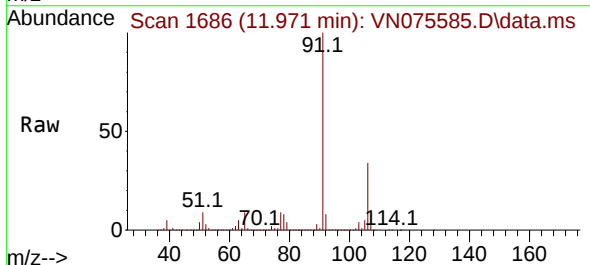
Manual Integrations
APPROVED

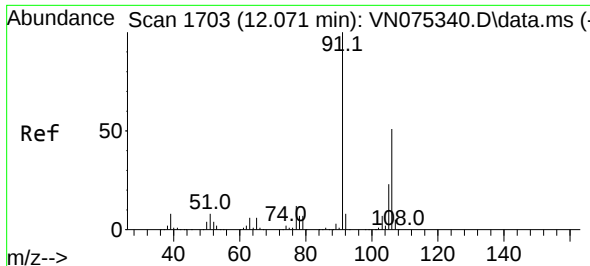
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#67
Ethyl Benzene
Concen: 1258.867 ug/l
RT: 11.971 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Tgt Ion: 91 Resp:13510417
Ion Ratio Lower Upper
91 100
106 33.9 24.9 37.3





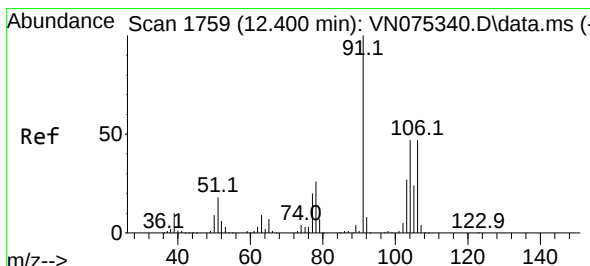
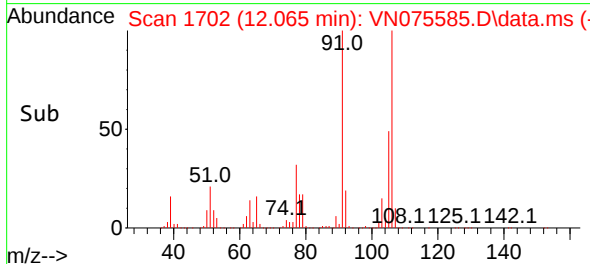
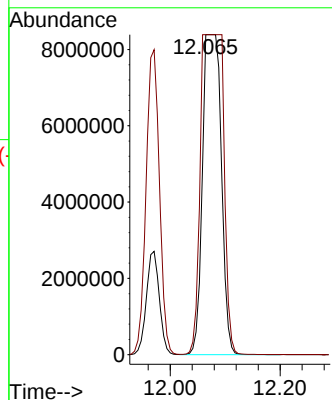
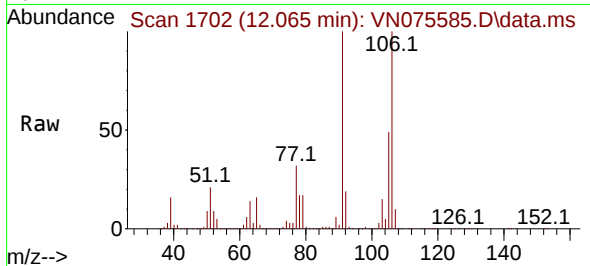
#68
m/p-Xylenes
Concen: 4555.953 ug/l
RT: 12.065 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02

Tgt Ion:106 Resp:19855872
Ion Ratio Lower Upper
106 100
91 0.0 156.0 234.0

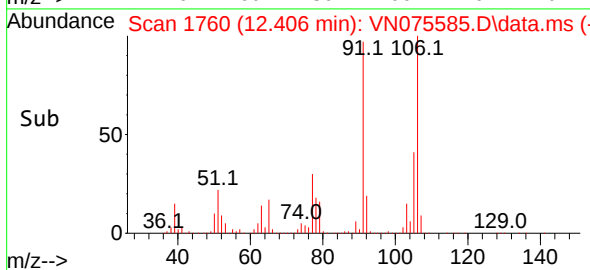
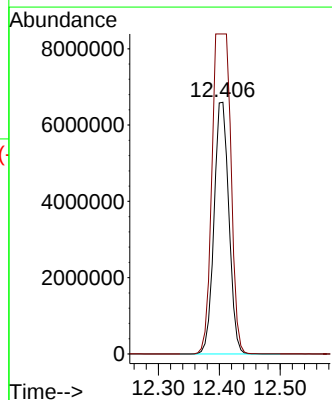
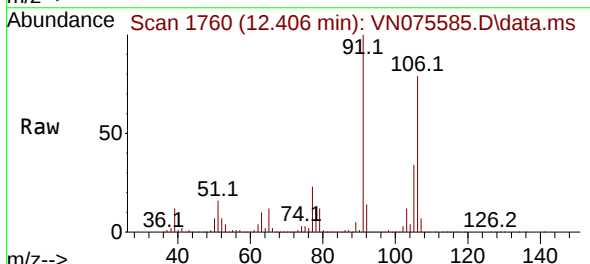
Manual Integrations
APPROVED

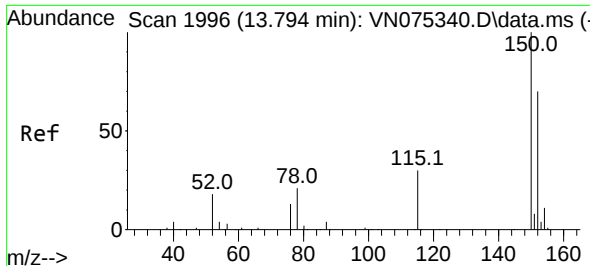
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#69
o-Xylene
Concen: 2564.694 ug/l
RT: 12.406 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

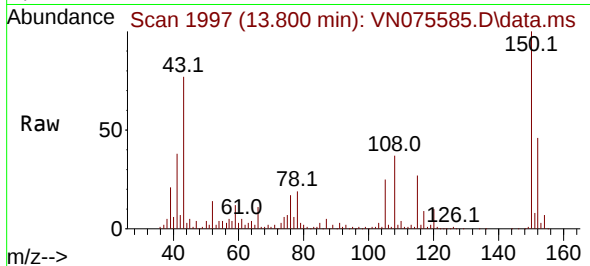
Tgt Ion:106 Resp:11105632
Ion Ratio Lower Upper
106 100
91 162.3 105.2 315.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 1997
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

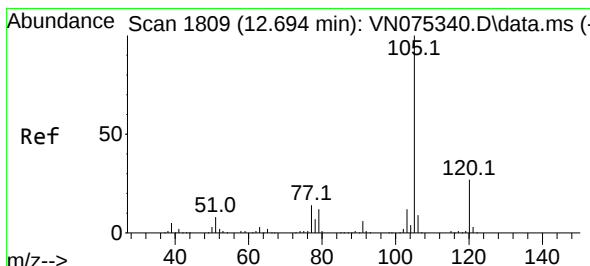
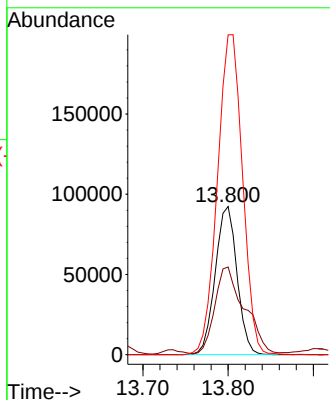
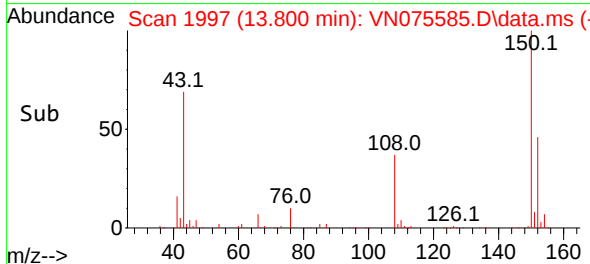
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02



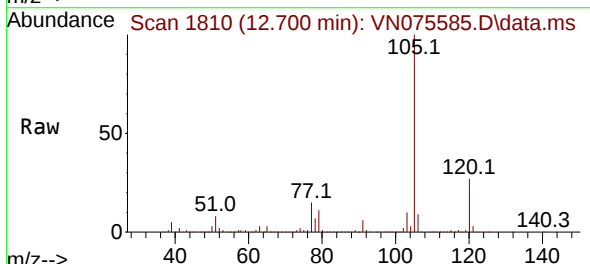
Tgt Ion:152 Resp: 164519
Ion Ratio Lower Upper
152 100
115 79.8 30.2 90.6
150 248.6 0.0 348.4

Manual Integrations
APPROVED

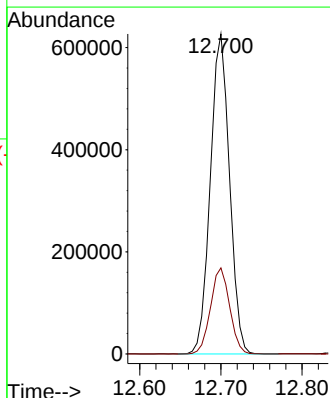
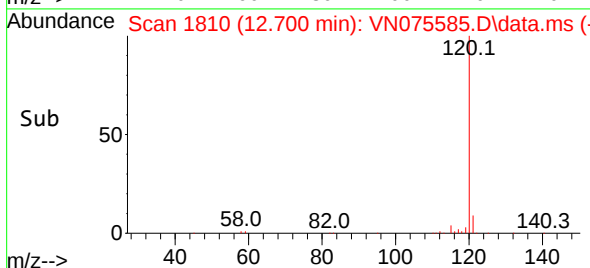
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022

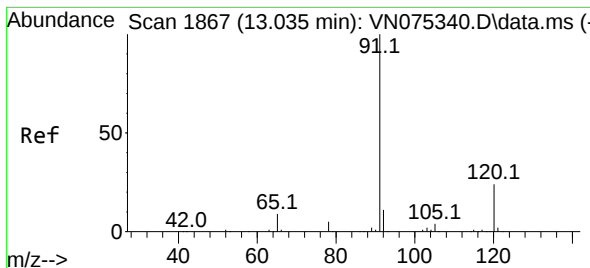


#73
Isopropylbenzene
Concen: 85.555 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26



Tgt Ion:105 Resp: 1028316
Ion Ratio Lower Upper
105 100
120 26.8 13.1 39.1





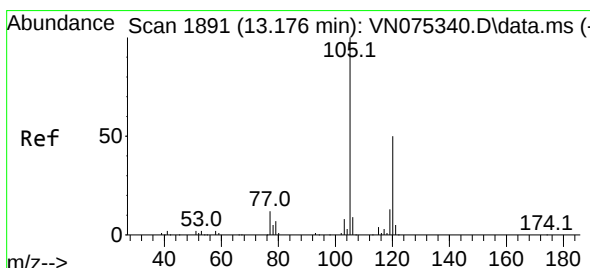
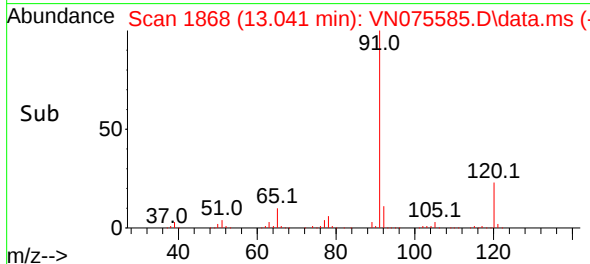
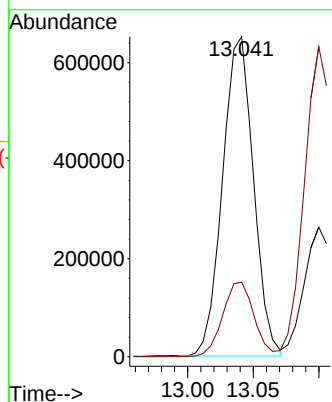
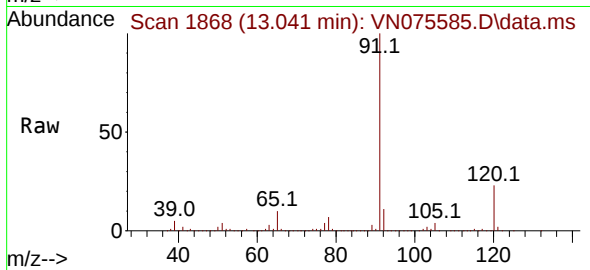
#78
n-propylbenzene
Concen: 79.568 ug/l
RT: 13.041 min Scan# 1867
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02

Tgt Ion: 91 Resp: 1067302
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5

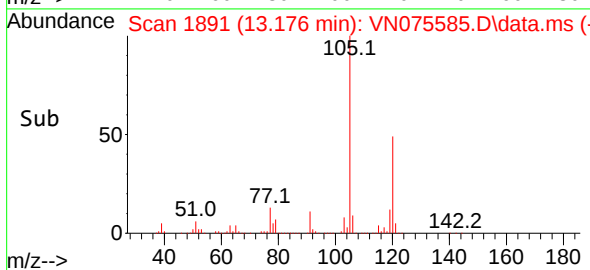
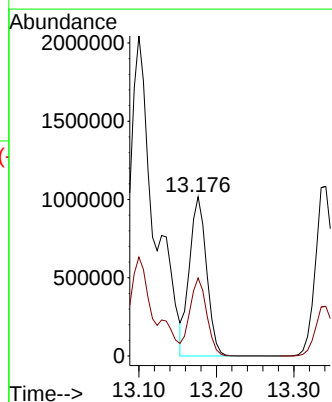
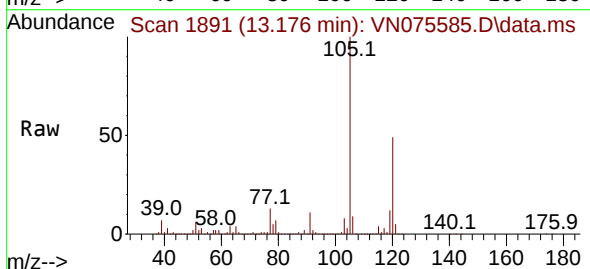
Manual Integrations
APPROVED

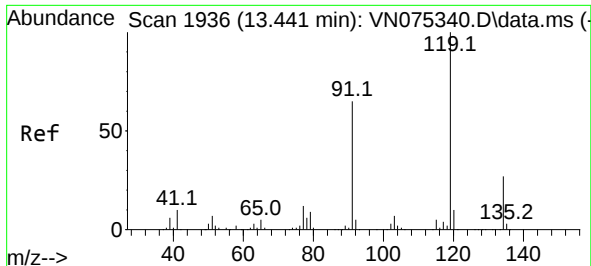
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#80
1,3,5-Trimethylbenzene
Concen: 156.313 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

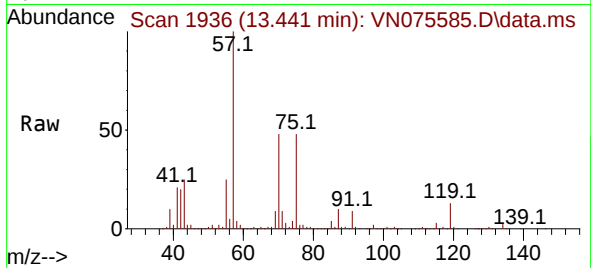
Tgt Ion:105 Resp: 1560918
Ion Ratio Lower Upper
105 100
120 48.7 24.7 74.1





#83
tert-Butylbenzene
Concen: 6.462 ug/l
RT: 13.441 min Scan# 1936
Delta R.T. 0.000 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

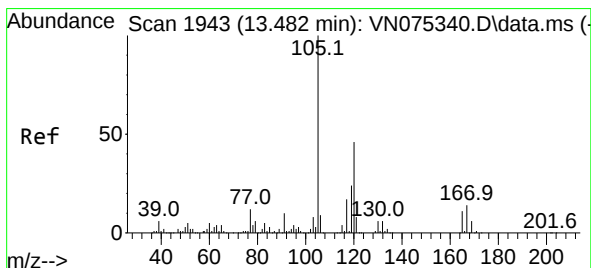
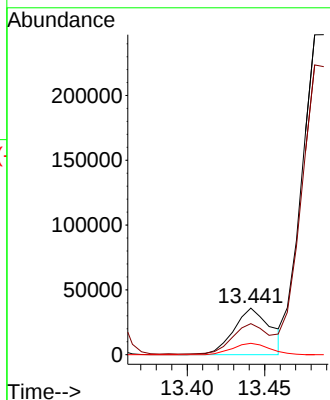
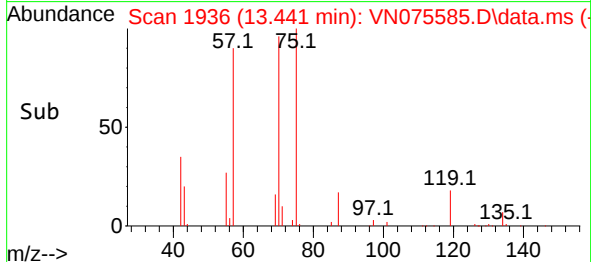
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02



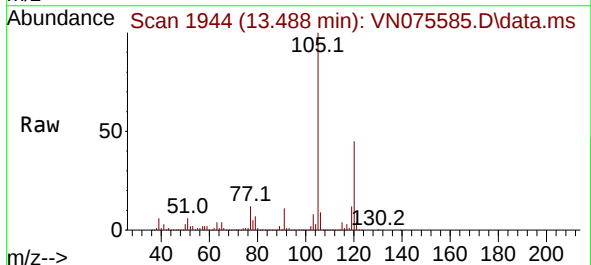
Tgt Ion:119 Resp: 58830
Ion Ratio Lower Upper
119 100
91 59.8 32.8 98.4
134 24.5 12.3 36.9

Manual Integrations
APPROVED

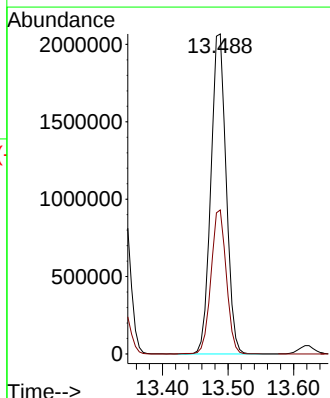
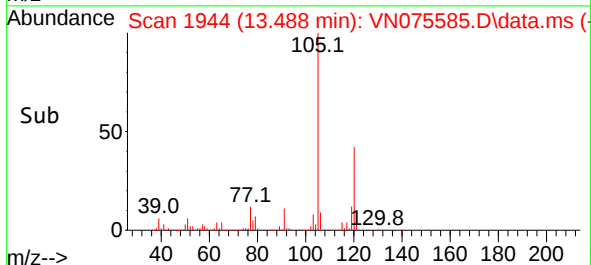
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022

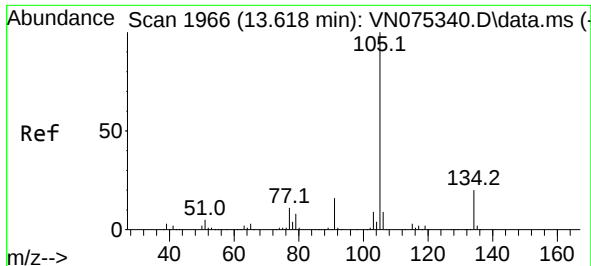


#84
1,2,4-Trimethylbenzene
Concen: 333.225 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26



Tgt Ion:105 Resp: 3337737
Ion Ratio Lower Upper
105 100
120 45.1 22.7 68.1





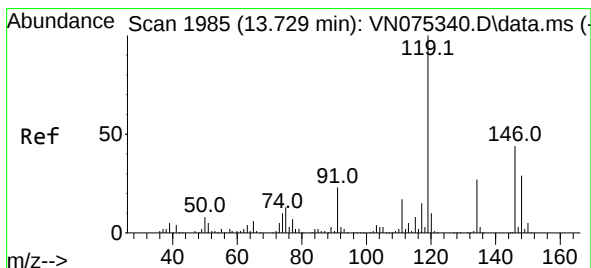
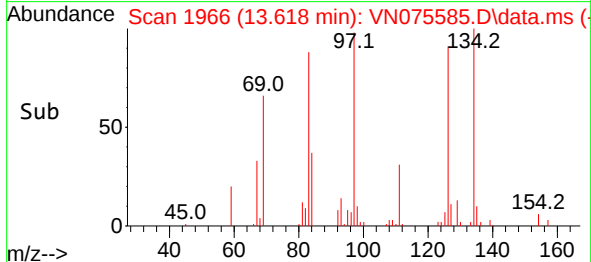
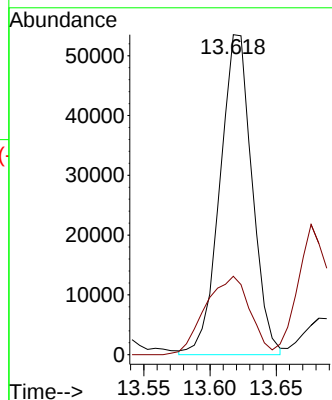
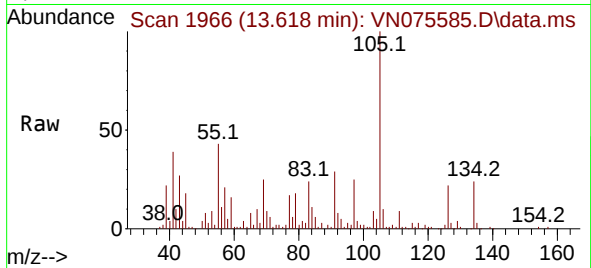
#85
 sec-Butylbenzene
 Concen: 7.313 ug/l m
 RT: 13.618 min Scan# 1966
 Delta R.T. -0.001 min
 Lab File: VN075585.D
 Acq: 06 Dec 2022 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 LIN-VRG-12-02

Tgt Ion:105 Resp: 90345
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6

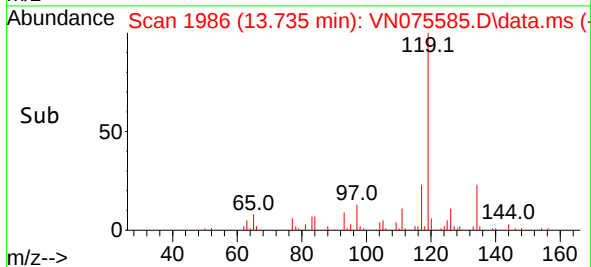
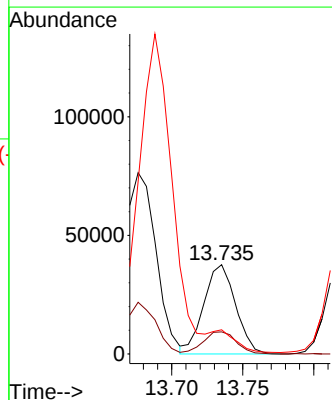
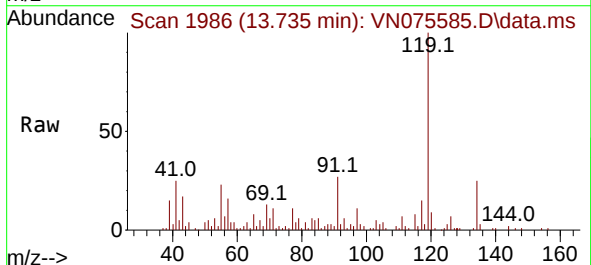
Manual Integrations
 APPROVED

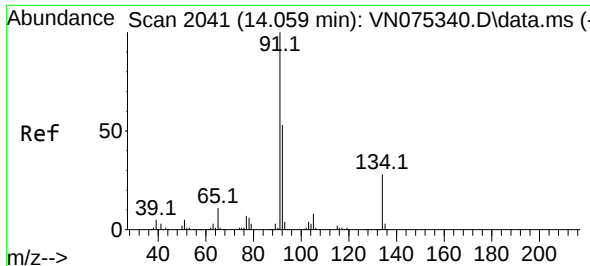
Reviewed By :Krupa Patel 12/07/2022
 Supervised By :Mahesh Dadoda 12/07/2022



#86
 p-Isopropyltoluene
 Concen: 5.649 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN075585.D
 Acq: 06 Dec 2022 15:26

Tgt Ion:119 Resp: 58718
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.1 39.3
 91 0.0 11.9 35.5





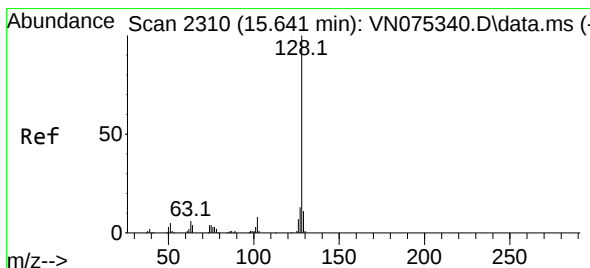
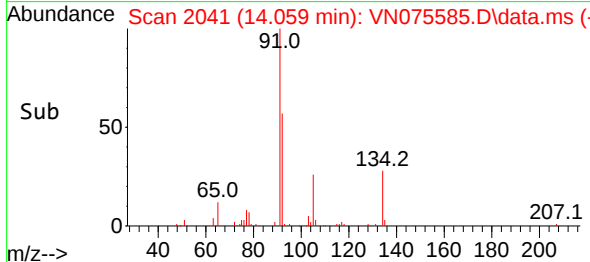
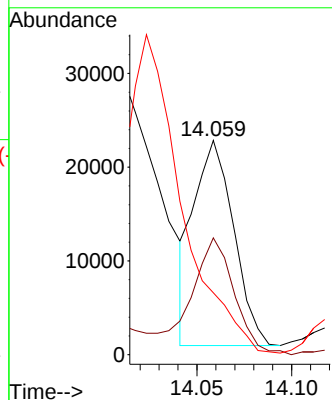
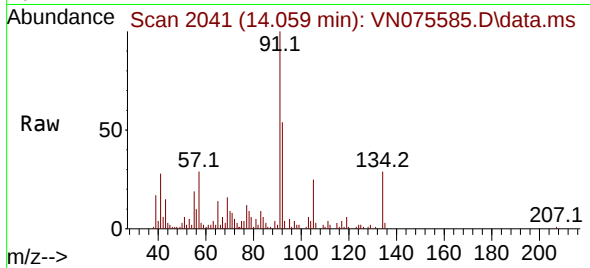
#89
n-Butylbenzene
Concen: 3.629 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02

Tgt Ion: 91 Resp: 3186
Ion Ratio Lower Upper
91 100
92 61.7 26.5 79.4
134 0.0 13.0 39.0

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#95
Naphthalene
Concen: 30.060 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075585.D
Acq: 06 Dec 2022 15:26

Tgt Ion:128 Resp: 265586
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 13.3 8.6 12.8#

