

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010925\
 Data File : VN085415.D
 Acq On : 09 Jan 2025 17:59
 Operator : JC\MD
 Sample : Q1049-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-257952DL

Quant Time: Jan 10 00:25:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	223046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	403184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	342689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	159840	50.244	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.480%			
35) Dibromofluoromethane	8.159	113	123633	49.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.300%			
50) Toluene-d8	10.559	98	483273	52.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.720%			
62) 4-Bromofluorobenzene	12.847	95	157966	51.533	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.060%			
Target Compounds						Qvalue
16) Acetone	4.418	43	29581	28.278	ug/l	93
18) Methyl Acetate	5.030	43	3795m	1.185	ug/l	
25) 2-Butanone	7.471	43	24979	15.392	ug/l	92
39) Methylcyclohexane	9.588	83	5562	1.456	ug/l	95
40) Benzene	8.600	78	260303	23.378	ug/l	100
51) 4-Methyl-2-Pentanone	10.435	43	1039	0.307	ug/l #	63
52) Toluene	10.624	92	256675	38.715	ug/l	99
67) Ethyl Benzene	11.959	91	96047	7.799	ug/l	100
68) m/p-Xylenes	12.059	106	158951	35.268	ug/l	100
69) o-Xylene	12.394	106	80158	18.385	ug/l	100
73) Isopropylbenzene	12.688	105	12741	1.278	ug/l	100
78) n-propylbenzene	13.029	91	19648	1.691	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	46608	5.780	ug/l	98
83) tert-Butylbenzene	13.435	119	1742	0.249	ug/l	82
84) 1,2,4-Trimethylbenzene	13.476	105	92129	11.474	ug/l	99
85) sec-Butylbenzene	13.606	105	3878	0.400	ug/l #	77
86) p-Isopropyltoluene	13.723	119	4421	0.731	ug/l	89
89) n-Butylbenzene	14.047	91	1933	0.272	ug/l #	65

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

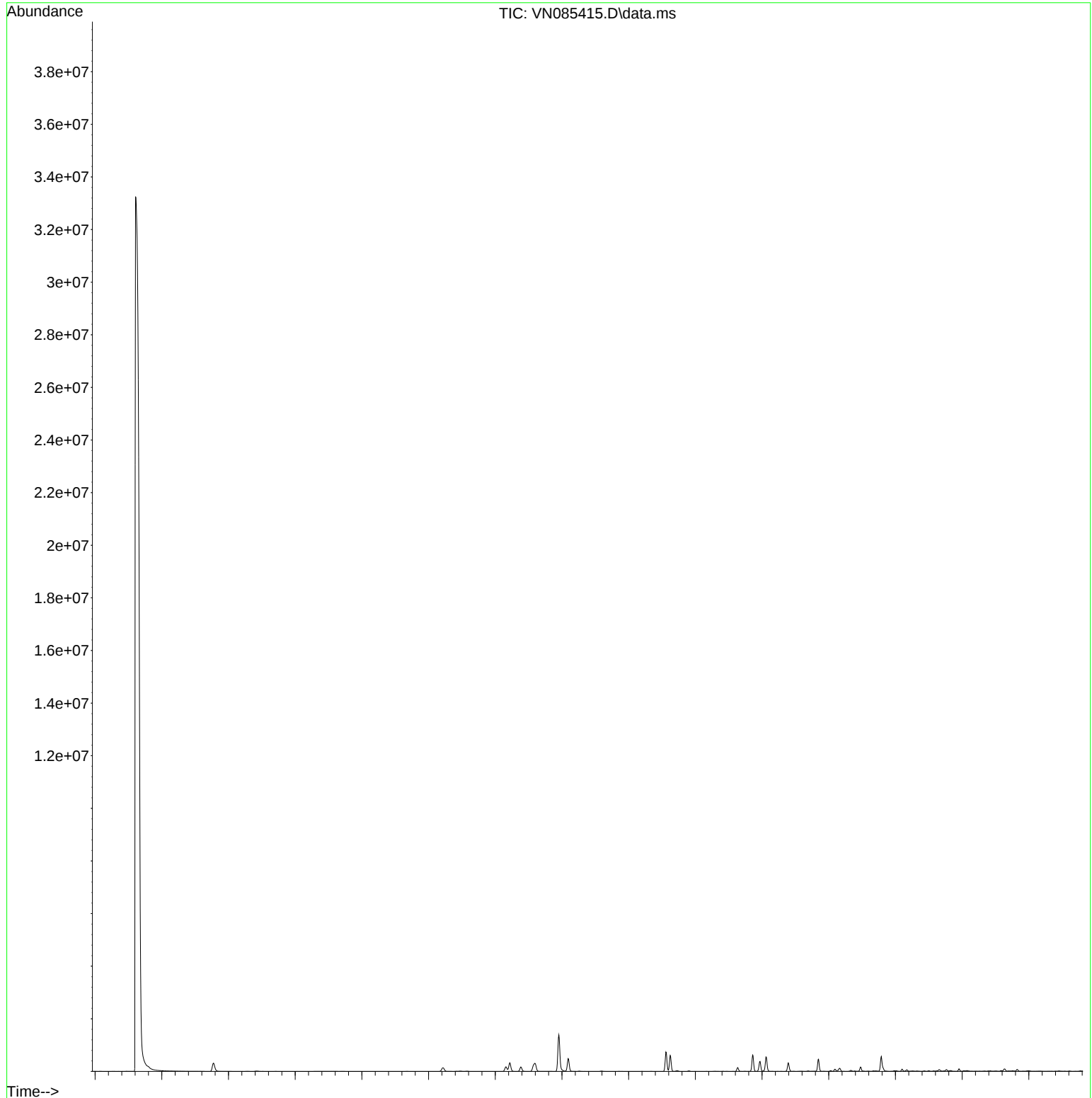
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010925\
Data File : VN085415.D
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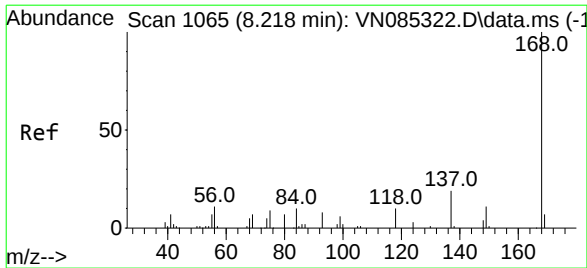
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-257952DL

Quant Time: Jan 10 00:25:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
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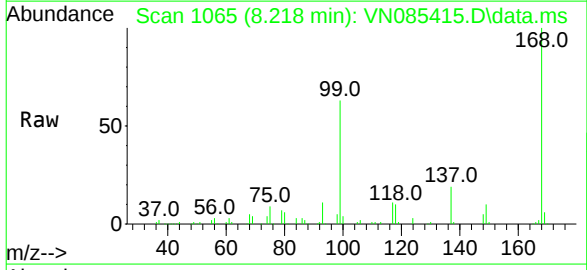
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

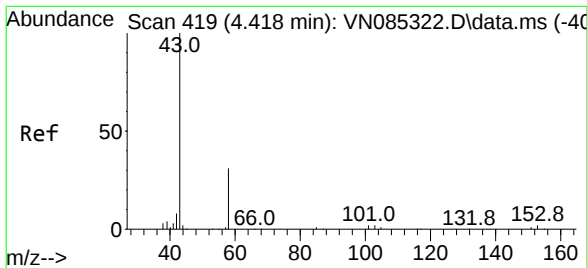
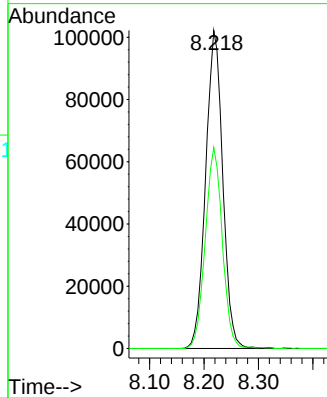
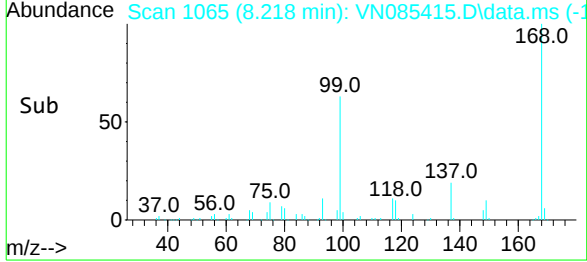
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-257952DL



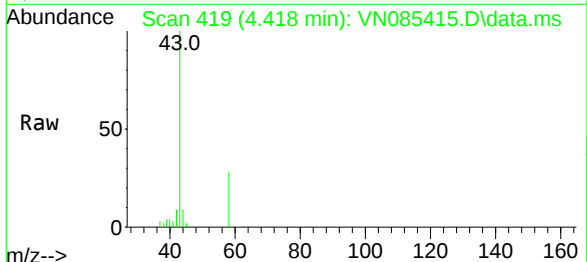
Tgt Ion:168 Resp: 223046
Ion Ratio Lower Upper
168 100
99 63.2 51.0 76.4

Manual Integrations
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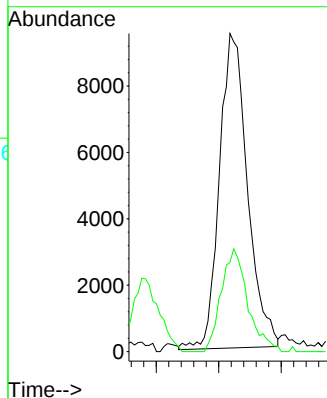
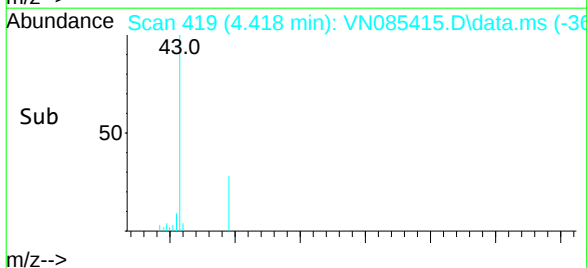
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

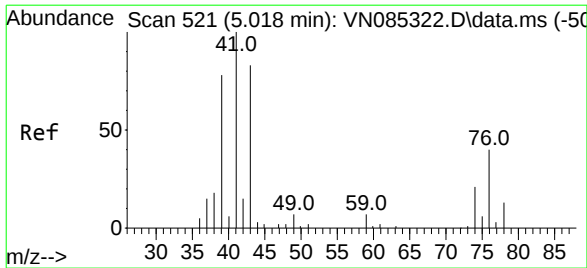


#16
Acetone
Concen: 28.278 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59



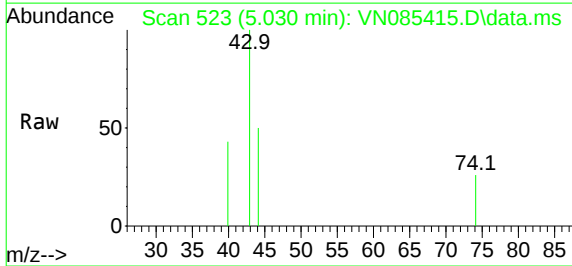
Tgt Ion: 43 Resp: 29581
Ion Ratio Lower Upper
43 100
58 26.9 24.5 36.7





#18
Methyl Acetate
Concen: 1.185 ug/l m
RT: 5.030 min Scan# 521
Delta R.T. 0.012 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

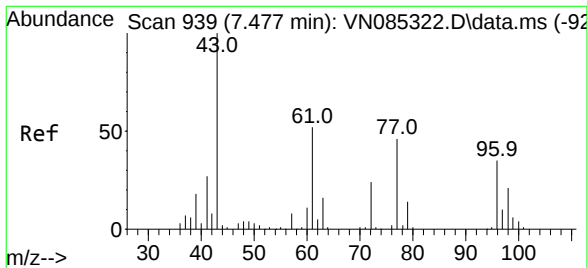
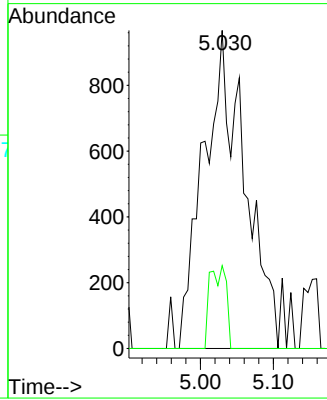
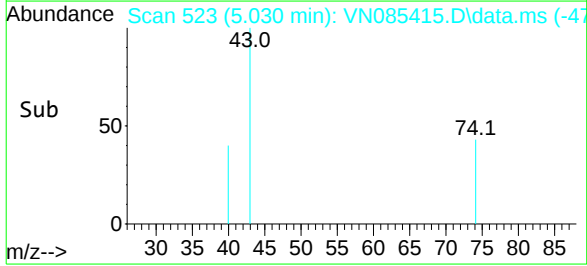
Instrument :
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Tgt Ion: 43 Resp: 3795
Ion Ratio Lower Upper
43 100
74 10.4 19.0 28.6

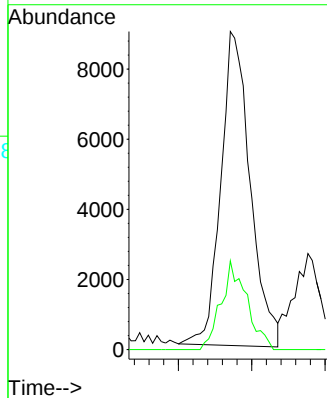
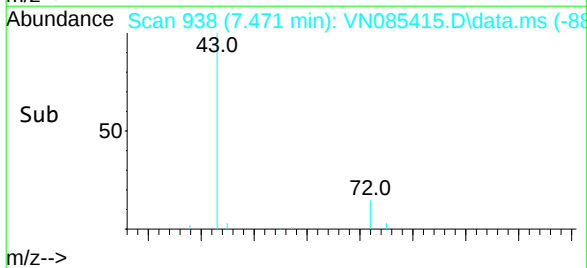
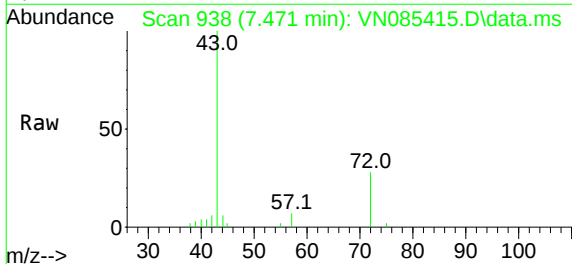
Manual Integrations
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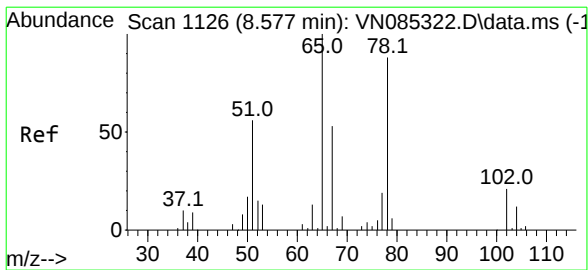
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#25
2-Butanone
Concen: 15.392 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

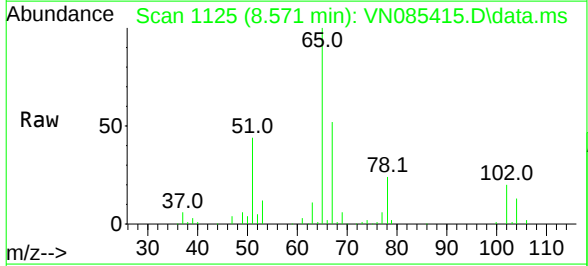
Tgt Ion: 43 Resp: 24979
Ion Ratio Lower Upper
43 100
72 28.4 19.6 29.4





#33
1,2-Dichloroethane-d4
Concen: 50.244 ug/l
RT: 8.571 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

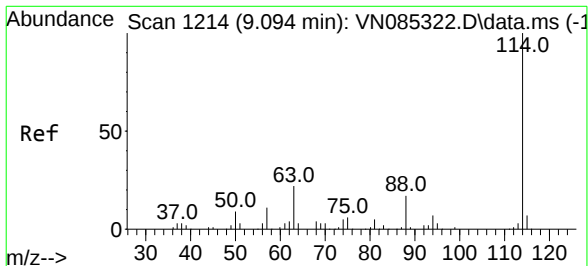
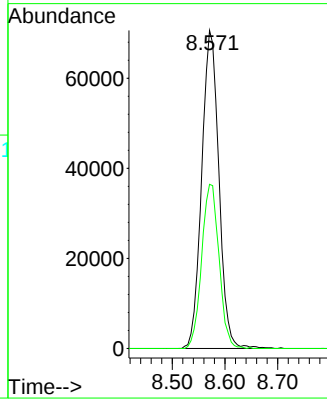
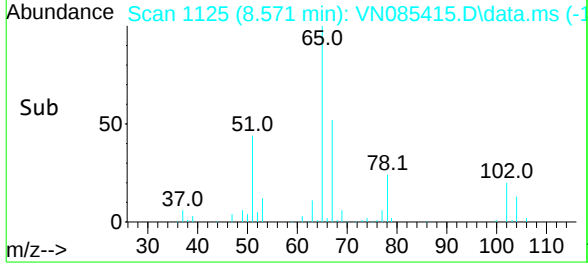
Instrument :
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ClientSampleId :
FRAC-TANK-257952DL



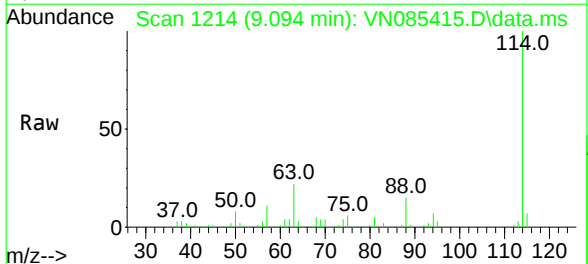
Tgt Ion: 65 Resp: 159840
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0

Manual Integrations
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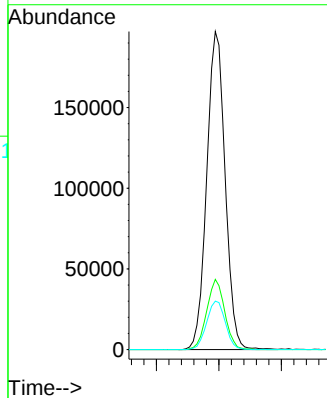
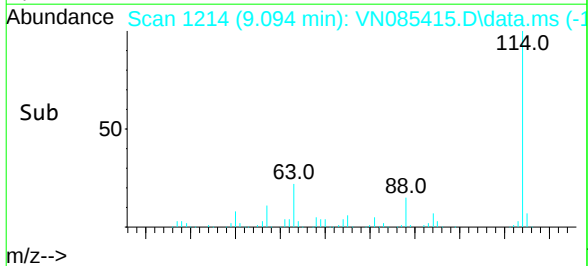
Reviewed By :Mahesh Dadoda 01/10/2025
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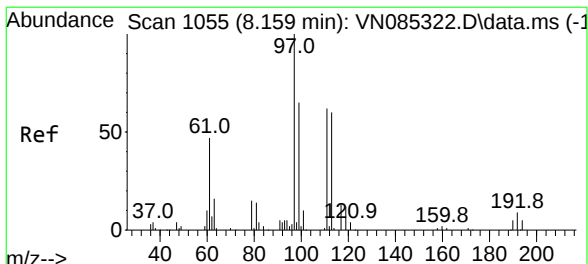


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59



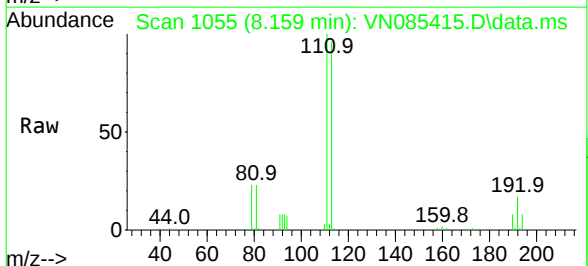
Tgt Ion:114 Resp: 403184
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.4
88 15.2 0.0 33.6





#35
Dibromofluoromethane
Concen: 49.153 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

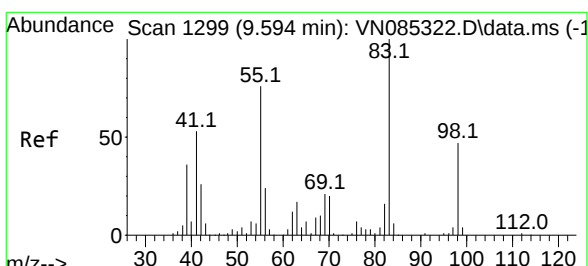
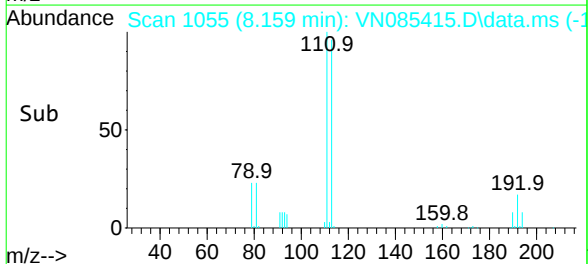
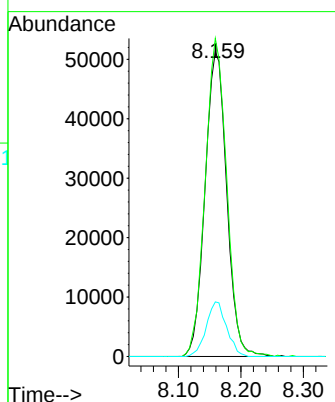
Instrument : MSVOA_N
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Tgt Ion:	113	Resp:	123633
Ion Ratio	Lower	Upper	
113	100		
111	103.6	80.5	120.7
192	16.9	12.9	19.3

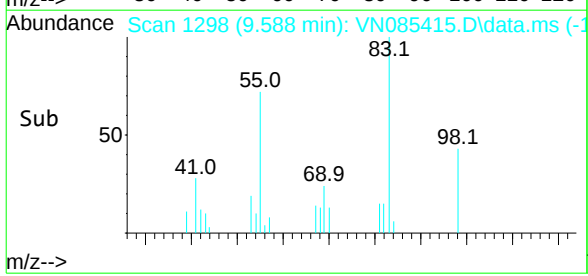
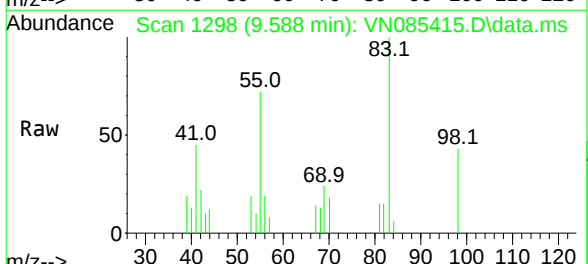
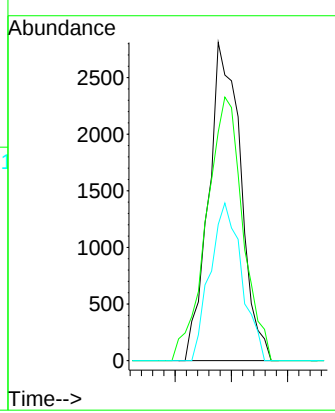
Manual Integrations
APPROVED

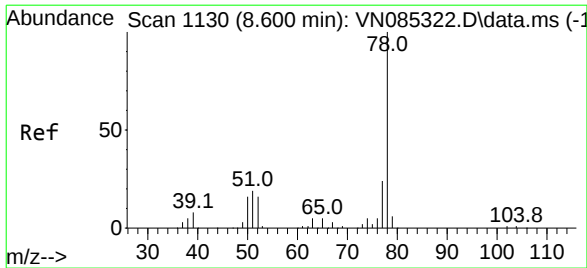
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#39
Methylcyclohexane
Concen: 1.456 ug/l
RT: 9.588 min Scan# 1298
Delta R.T. -0.006 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

Tgt Ion:	83	Resp:	5562
Ion Ratio	Lower	Upper	
83	100		
55	71.9	60.7	91.1
98	42.8	37.7	56.5





#40

Benzene

Concen: 23.378 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085415.D

Acq: 09 Jan 2025 17:59

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-257952DL

Tgt Ion: 78 Resp: 260303

Ion Ratio Lower Upper

78 100

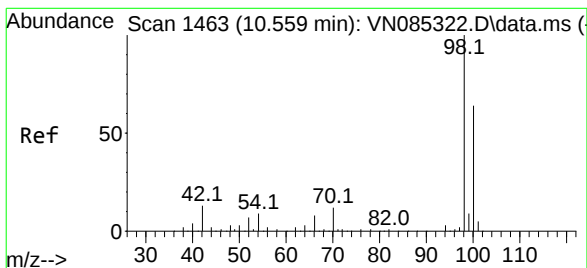
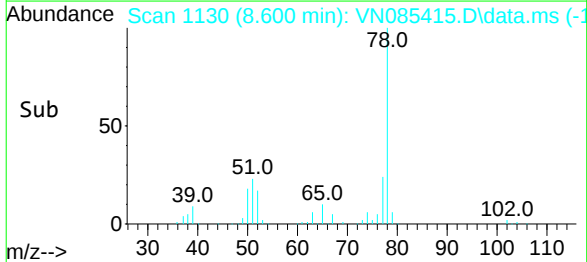
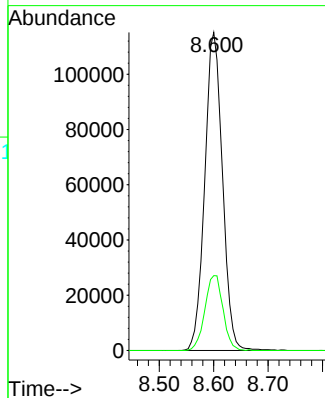
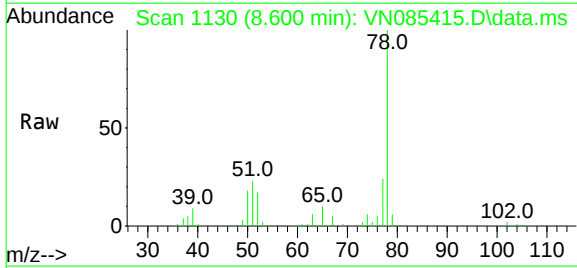
77 23.5 19.0 28.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#50

Toluene-d8

Concen: 52.359 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VN085415.D

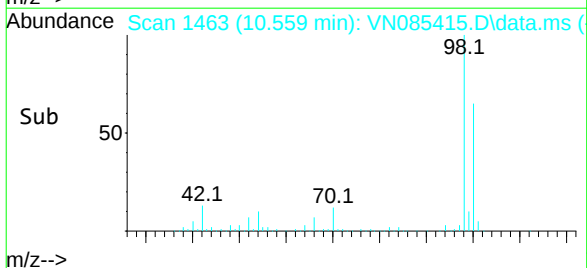
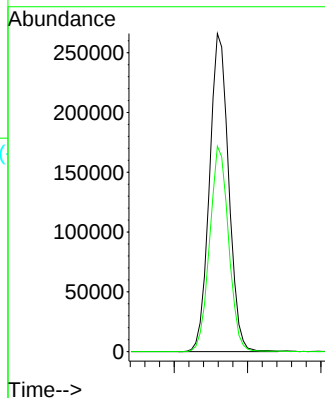
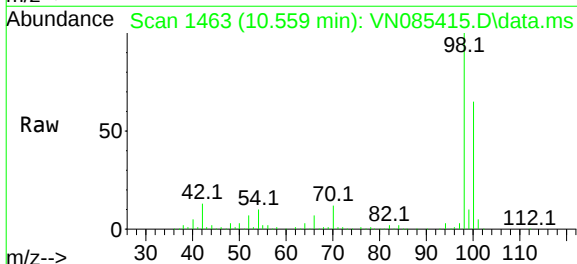
Acq: 09 Jan 2025 17:59

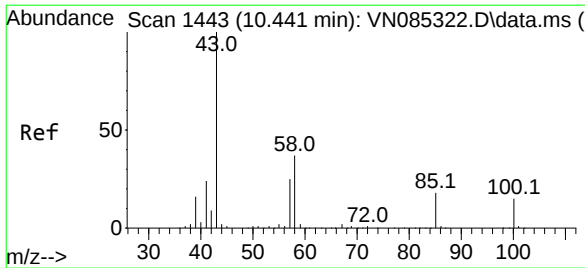
Tgt Ion: 98 Resp: 483273

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3





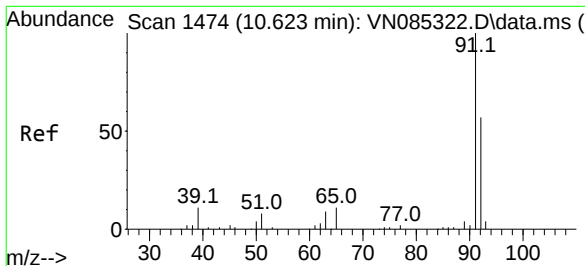
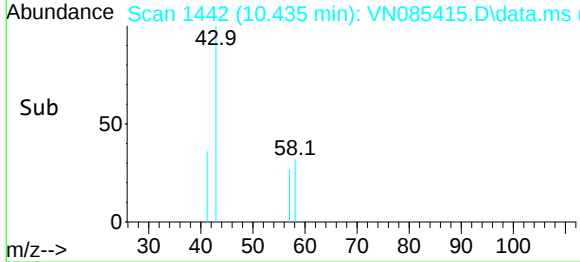
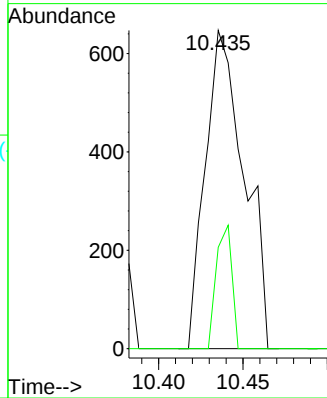
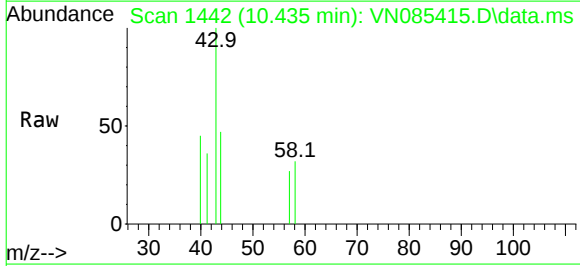
#51
4-Methyl-2-Pentanone
Concen: 0.307 ug/l
RT: 10.435 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

Instrument : MSVOA_N
ClientSampleId : FRAC-TANK-257952DL

Tgt Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
58 15.5 30.3 45.5#

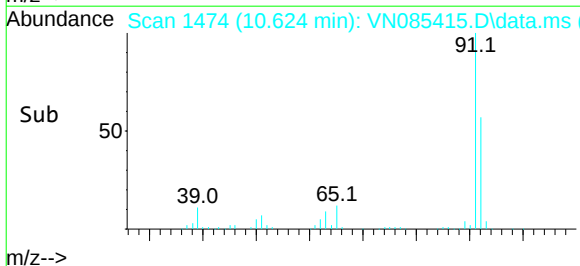
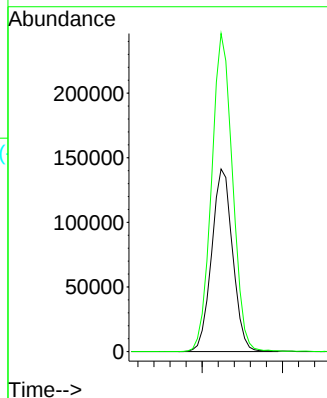
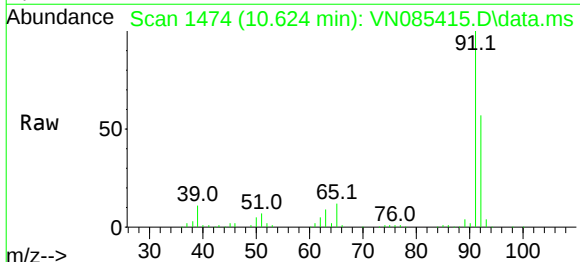
Manual Integrations
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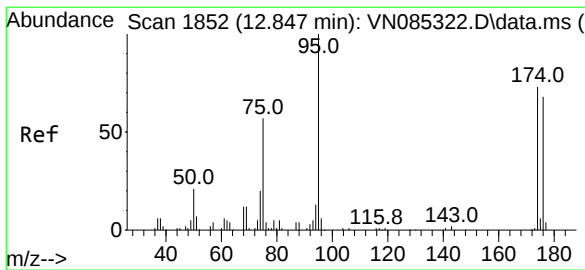
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#52
Toluene
Concen: 38.715 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

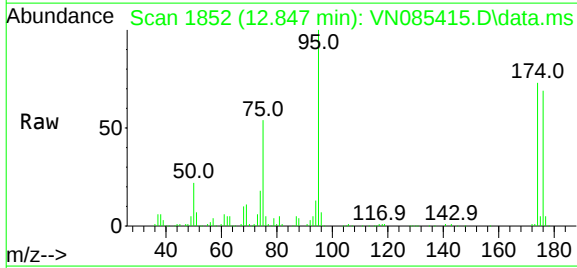
Tgt Ion: 92 Resp: 256675
Ion Ratio Lower Upper
92 100
91 174.2 140.2 210.4





#62
4-Bromofluorobenzene
Concen: 51.533 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

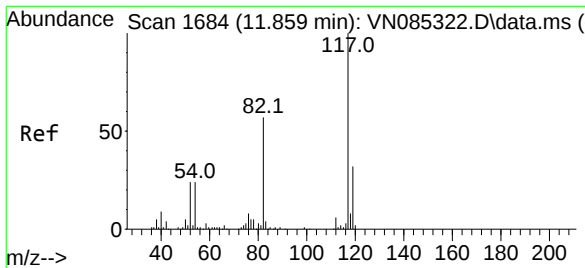
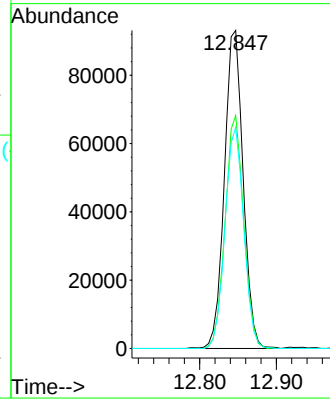
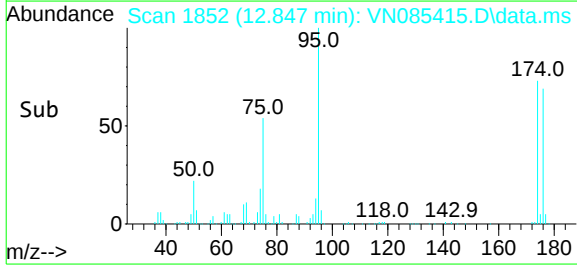
Instrument :
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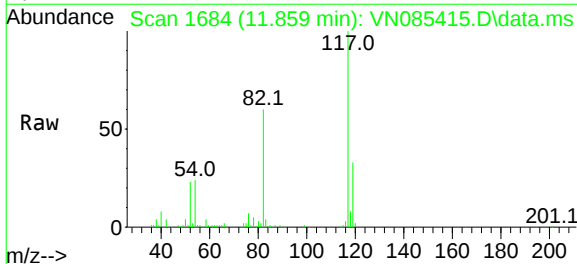
Tgt Ion: 95 Resp: 157966
Ion Ratio Lower Upper
95 100
174 72.8 0.0 143.2
176 69.5 0.0 135.8

Manual Integrations
APPROVED

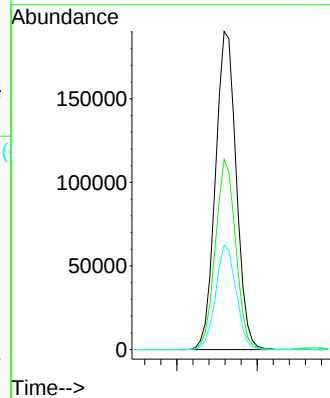
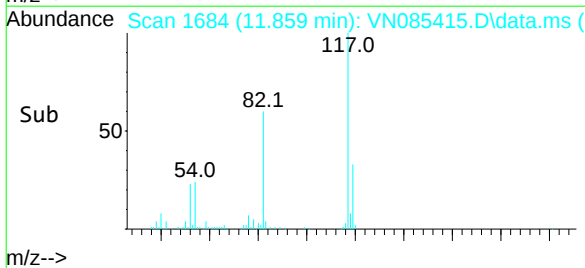
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

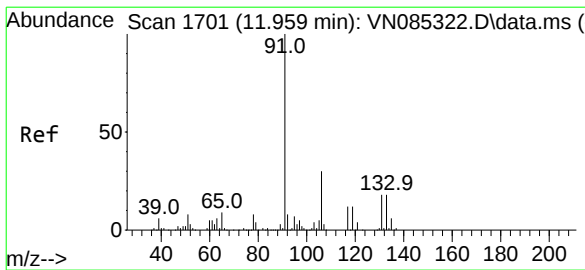


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59



Tgt Ion:117 Resp: 342689
Ion Ratio Lower Upper
117 100
82 59.8 45.7 68.5
119 32.9 25.8 38.8





#67

Ethyl Benzene

Concen: 7.799 ug/l

RT: 11.959 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VN085415.D

Acq: 09 Jan 2025 17:59

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-257952DL

Tgt Ion: 91 Resp: 96047

Ion Ratio Lower Upper

91 100

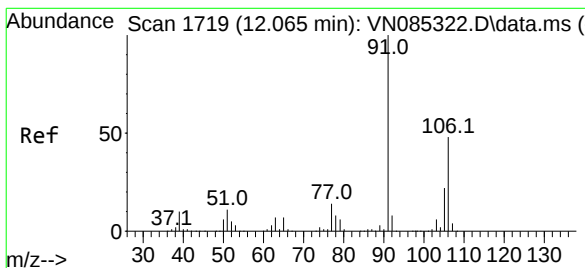
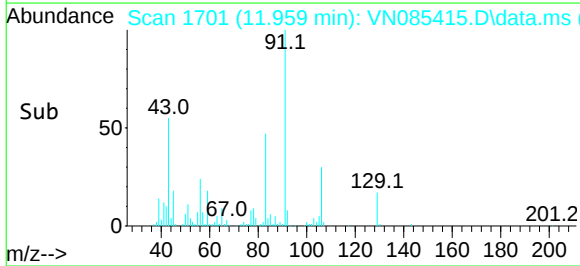
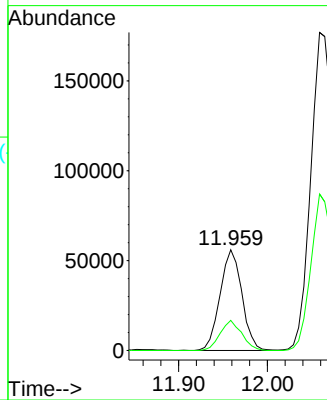
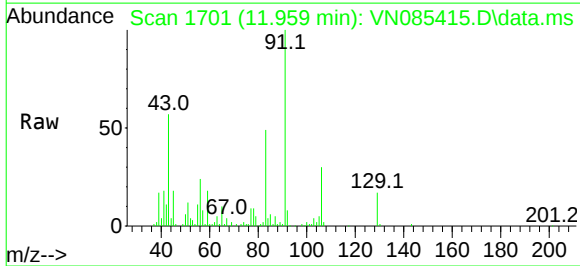
106 29.9 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#68

m/p-Xylenes

Concen: 35.268 ug/l

RT: 12.059 min Scan# 1718

Delta R.T. -0.006 min

Lab File: VN085415.D

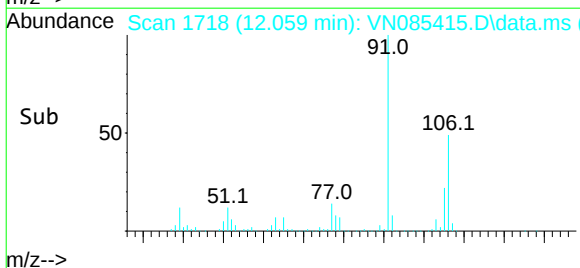
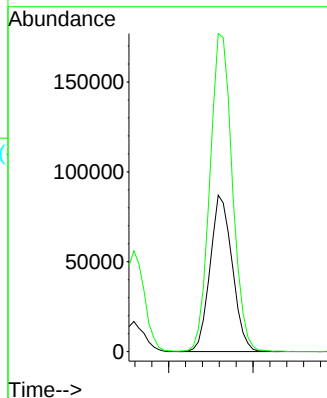
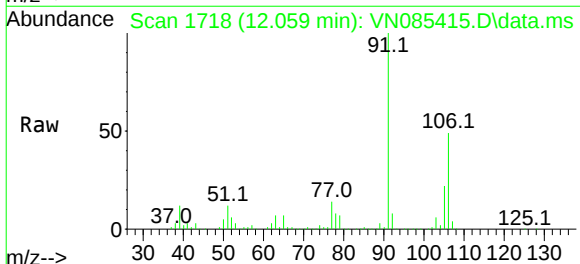
Acq: 09 Jan 2025 17:59

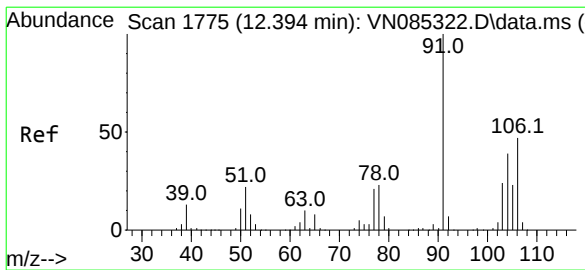
Tgt Ion:106 Resp: 158951

Ion Ratio Lower Upper

106 100

91 206.2 165.2 247.8





#69

o-Xylene

Concen: 18.385 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085415.D

Acq: 09 Jan 2025 17:59

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-257952DL

Tgt Ion:106 Resp: 80158

Ion Ratio Lower Upper

106 100

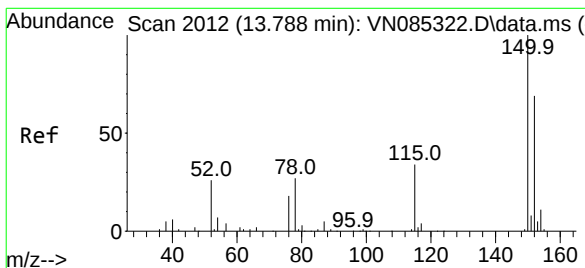
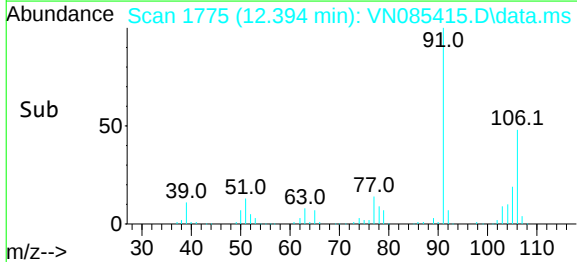
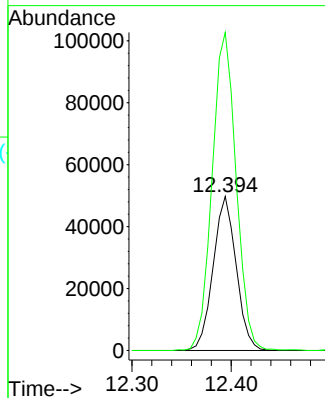
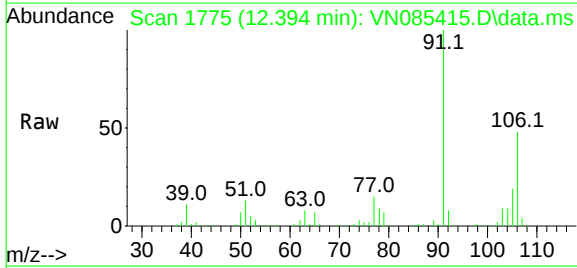
91 215.0 107.3 321.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085415.D

Acq: 09 Jan 2025 17:59

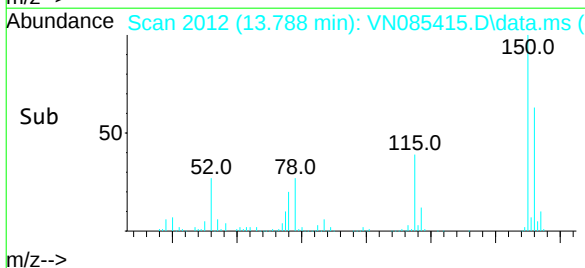
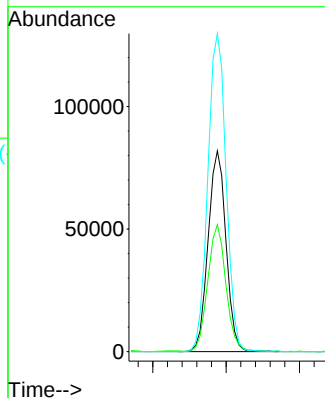
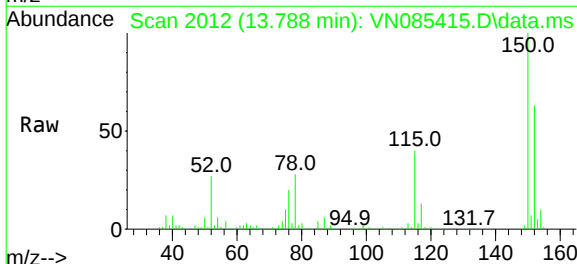
Tgt Ion:152 Resp: 138631

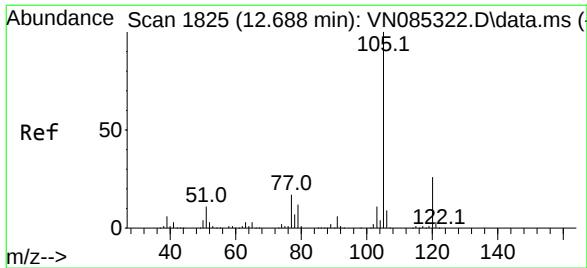
Ion Ratio Lower Upper

152 100

115 64.4 30.4 91.3

150 161.6 0.0 345.0





#73

Isopropylbenzene

Concen: 1.278 ug/l

RT: 12.688 min Scan# 1825

Delta R.T. 0.000 min

Lab File: VN085415.D

Acq: 09 Jan 2025 17:59

Instrument :

MSVOA_N

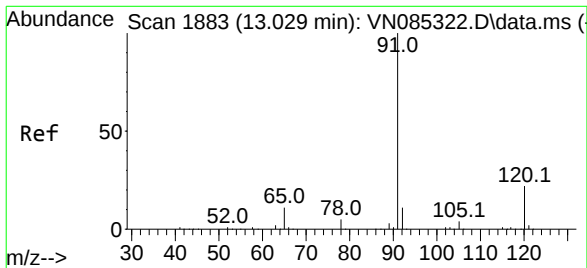
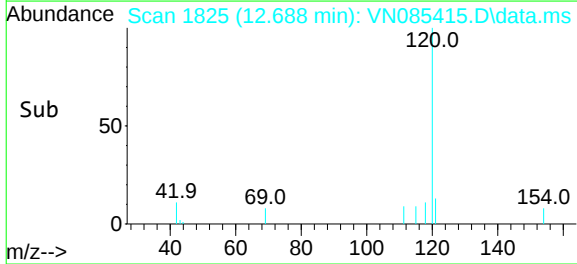
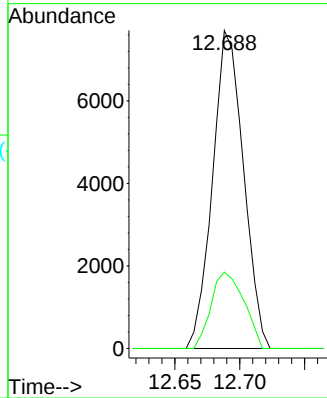
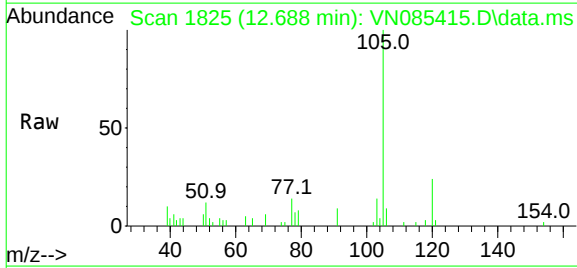
ClientSampleId :

FRAC-TANK-257952DL

Tgt Ion: 105 Resp: 12741
 Ion Ratio Lower Upper
 105 100
 120 25.5 12.9 38.6

Manual Integrations
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Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#78

n-propylbenzene

Concen: 1.691 ug/l

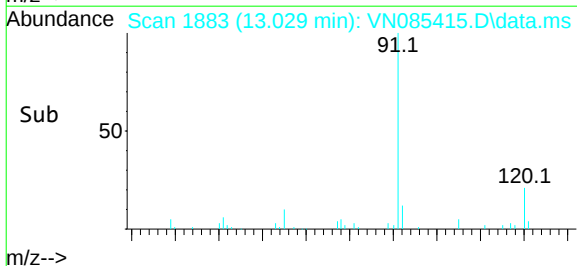
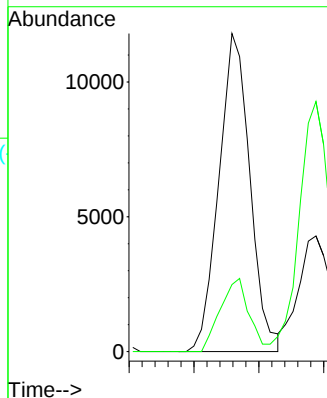
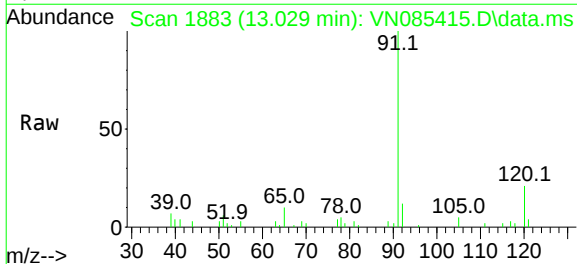
RT: 13.029 min Scan# 1883

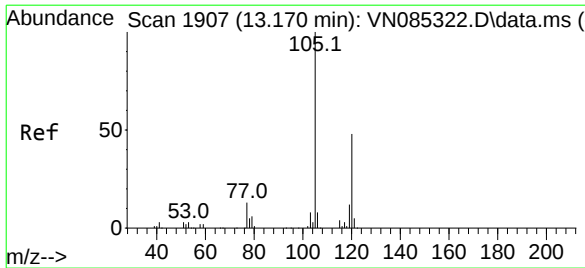
Delta R.T. 0.000 min

Lab File: VN085415.D

Acq: 09 Jan 2025 17:59

Tgt Ion: 91 Resp: 19648
 Ion Ratio Lower Upper
 91 100
 120 21.5 10.9 32.9





#80

1,3,5-Trimethylbenzene

Concen: 5.780 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085415.D

Acq: 09 Jan 2025 17:59

Instrument :

MSVOA_N

ClientSampleId :

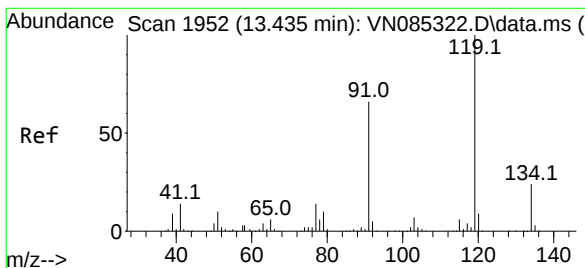
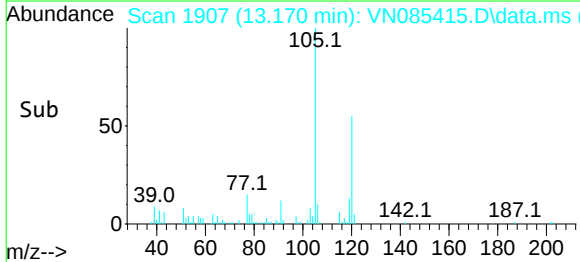
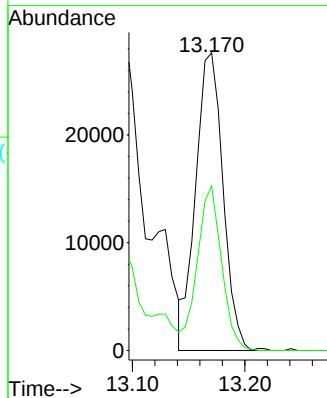
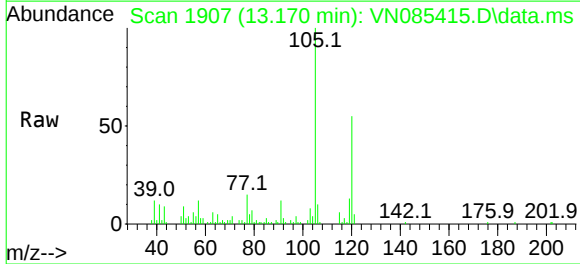
FRAC-TANK-257952DL

Tgt Ion:	105	Resp:	46608
Ion Ratio	Lower	Upper	
105	100		
120	49.3	24.0	72.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#83

tert-Butylbenzene

Concen: 0.249 ug/l

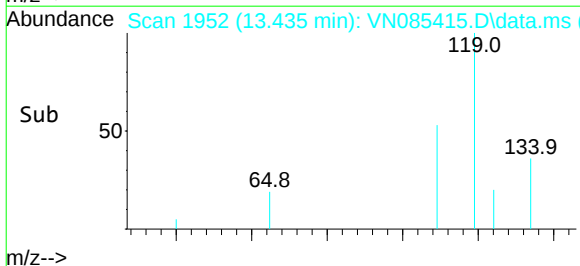
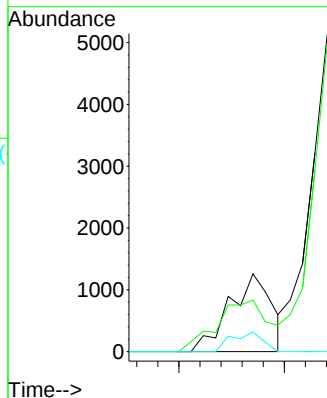
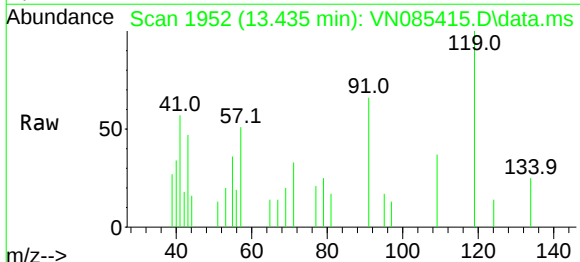
RT: 13.435 min Scan# 1952

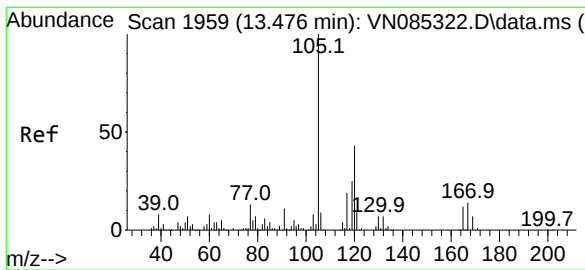
Delta R.T. 0.000 min

Lab File: VN085415.D

Acq: 09 Jan 2025 17:59

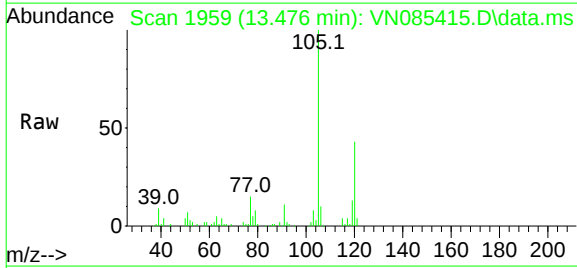
Tgt Ion:	119	Resp:	1742
Ion Ratio	Lower	Upper	
119	100		
91	82.2	33.6	100.8
134	18.8	13.3	39.8





#84
1,2,4-Trimethylbenzene
Concen: 11.474 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

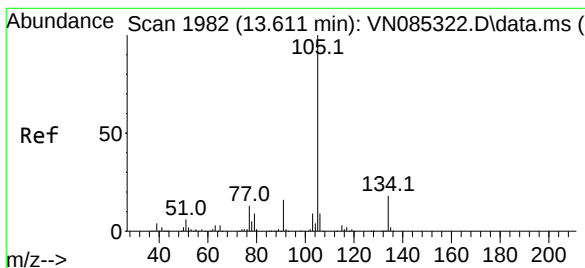
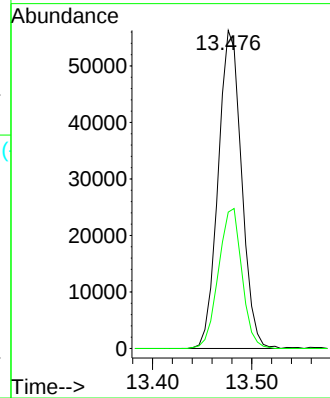
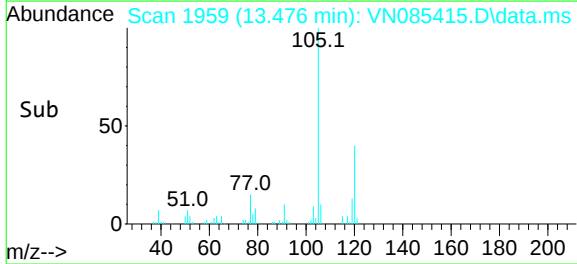
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-257952DL



Tgt Ion:105 Resp: 92129
Ion Ratio Lower Upper
105 100
120 44.1 21.7 65.1

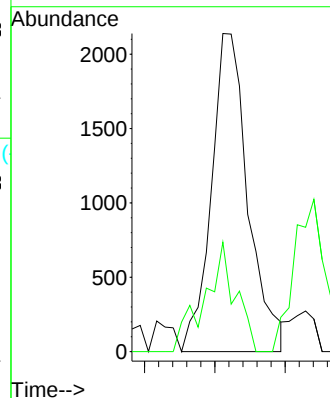
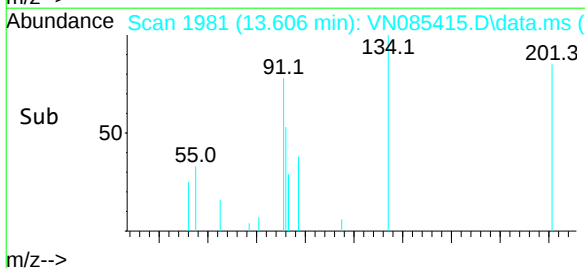
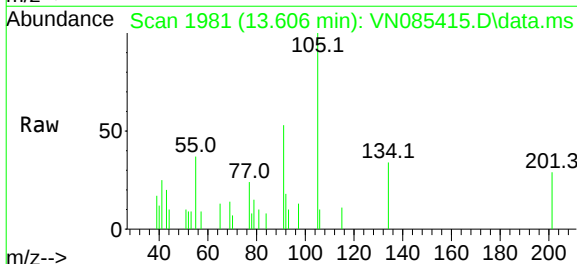
Manual Integrations
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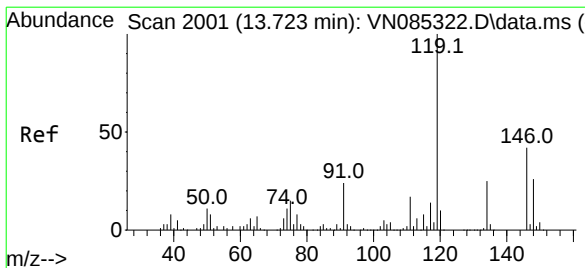
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#85
sec-Butylbenzene
Concen: 0.400 ug/l
RT: 13.606 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

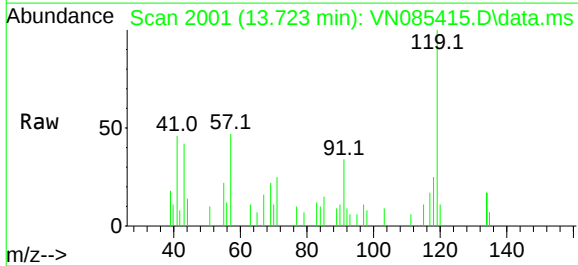
Tgt Ion:105 Resp: 3878
Ion Ratio Lower Upper
105 100
134 29.1 9.4 28.3#





#86
p-Isopropyltoluene
Concen: 0.731 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59

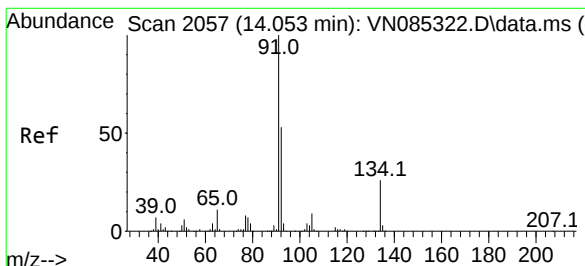
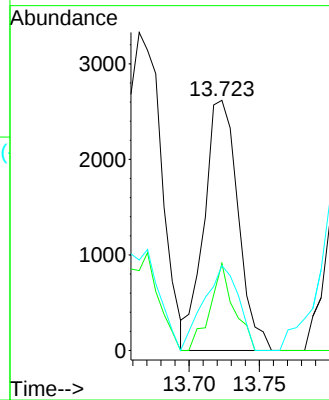
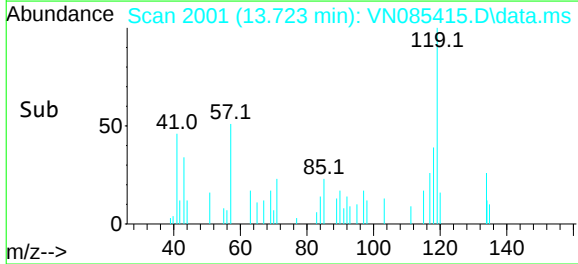
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-257952DL



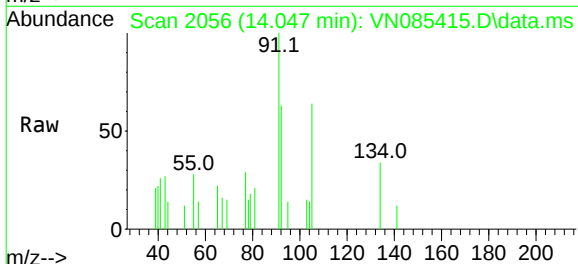
Tgt Ion:	119	Resp:	4421
Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.5	37.5
91	34.6	12.2	36.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#89
n-Butylbenzene
Concen: 0.272 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VN085415.D
Acq: 09 Jan 2025 17:59



Tgt Ion:	91	Resp:	1933
Ion	Ratio	Lower	Upper
91	100		
92	72.3	26.0	78.0
134	0.0	12.1	36.3#

