

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046415.D
 Acq On : 30 May 2025 12:42
 Operator : JC/MD
 Sample : Q2136-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-646-COMP-52

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/02/2025
 Supervised By :Mahesh Dadoda 06/02/2025

Quant Time: May 30 23:26:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	62311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123353	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61051	52.554	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.100%			
35) Dibromofluoromethane	5.379	113	45295	50.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	8.647	98	156219	50.812	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.620%			
62) 4-Bromofluorobenzene	11.079	95	62016	52.587	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.180%			
Target Compounds					Qvalue	
8) Diethyl Ether	2.130	74	491	1.134	ug/l	82
16) Acetone	2.380	43	77719	166.858	ug/l	97
18) Methyl Acetate	2.703	43	2050	1.897	ug/l	95
20) Methylene Chloride	2.788	84	7282	8.158	ug/l	91
25) 2-Butanone	4.574	43	10511	15.544	ug/l	100
31) Cyclohexane	5.471	56	4705	3.399	ug/l #	92
39) Methylcyclohexane	7.373	83	2931	1.908	ug/l	92
40) Benzene	6.038	78	10399	2.975	ug/l	96
43) Isopropyl Acetate	6.348	43	11775	5.234	ug/l	96
52) Toluene	8.720	92	4615	2.153	ug/l	97
67) Ethyl Benzene	10.189	91	126974	27.591	ug/l	99
68) m/p-Xylenes	10.299	106	24415	14.506	ug/l	97
69) o-Xylene	10.640	106	2355	1.435	ug/l	87
73) Isopropylbenzene	10.963	105	11945	2.865	ug/l	98
78) n-propylbenzene	11.305	91	30969	6.388	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	4519	1.297	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	13144	3.726	ug/l	97
89) n-Butylbenzene	12.335	91	2849m	0.913	ug/l	

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

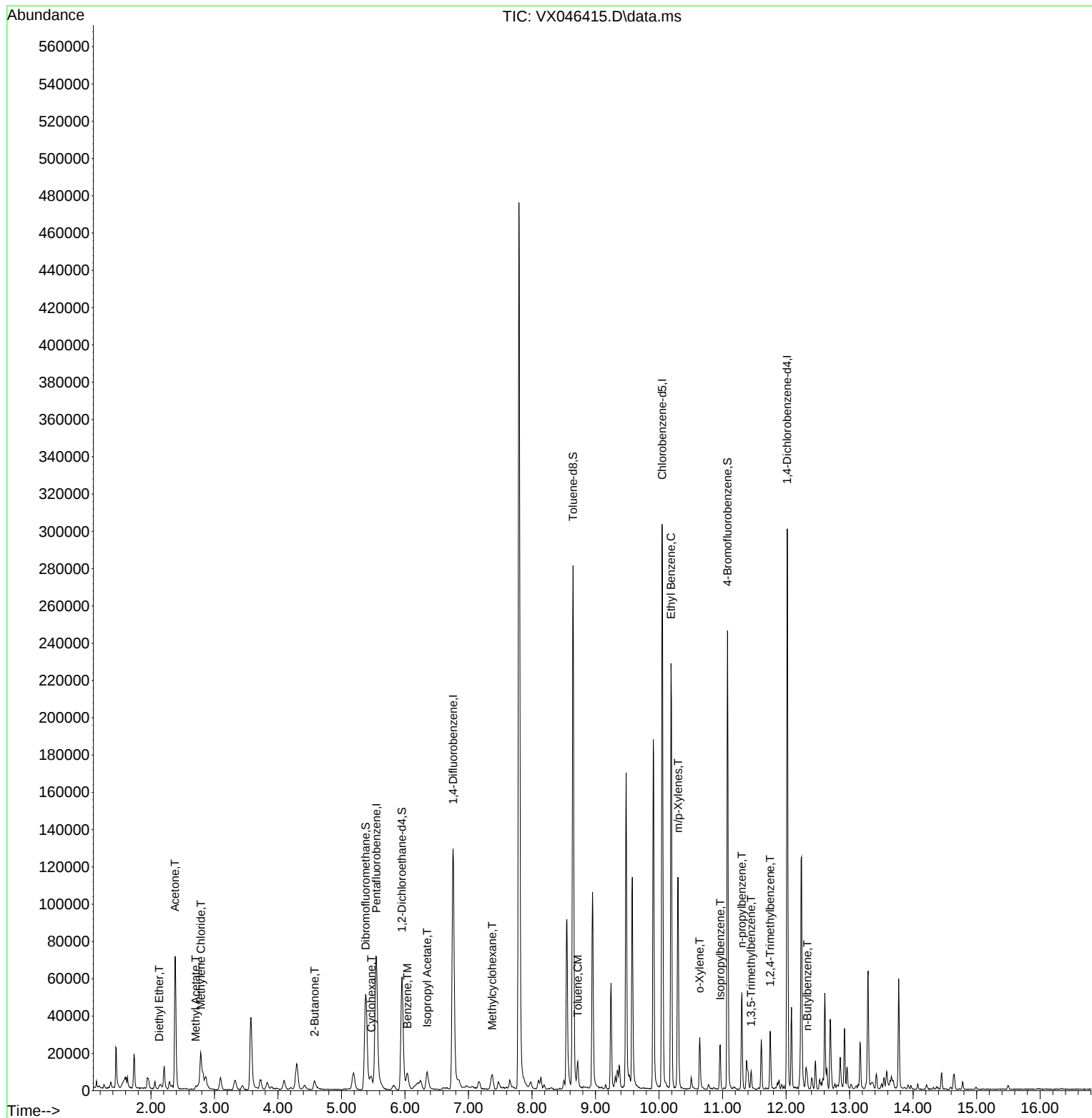
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046415.D
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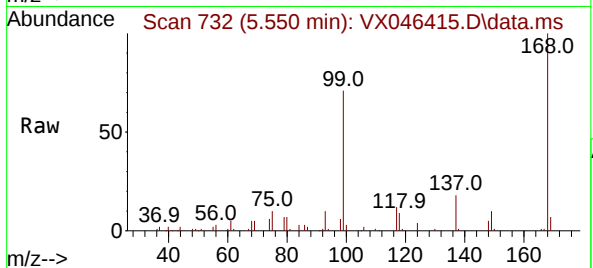
Quant Time: May 30 23:26:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

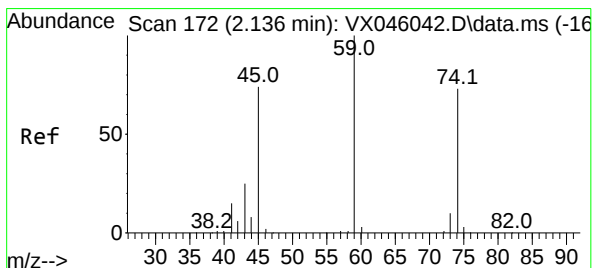
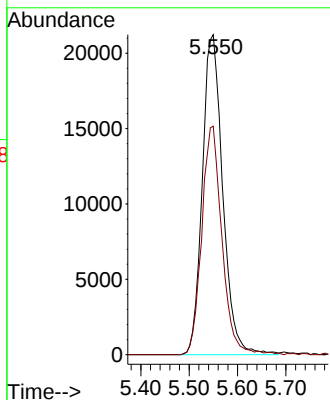
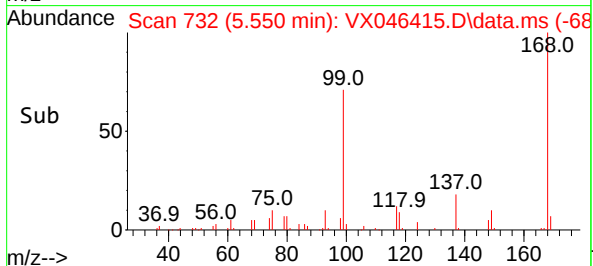
Instrument :
MSVOA_X
ClientSampleId :
OR-646-COMP-52



Tgt Ion:168 Resp: 6231
Ion Ratio Lower Upper
168 100
99 71.4 54.9 82.3

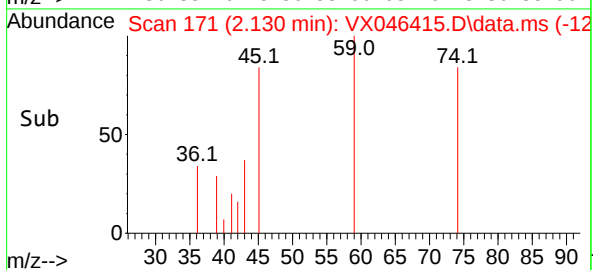
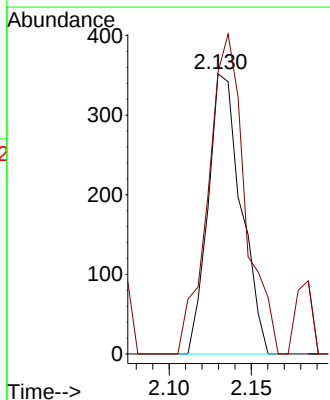
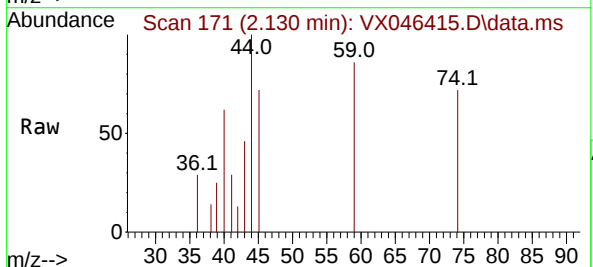
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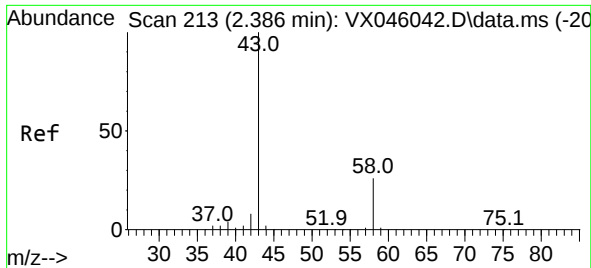
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#8
Diethyl Ether
Concen: 1.134 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

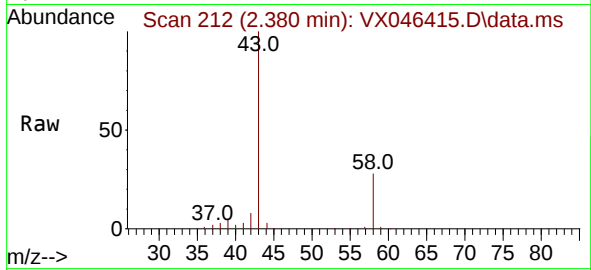
Tgt Ion: 74 Resp: 491
Ion Ratio Lower Upper
74 100
45 128.7 54.9 164.8





#16
Acetone
Concen: 166.858 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

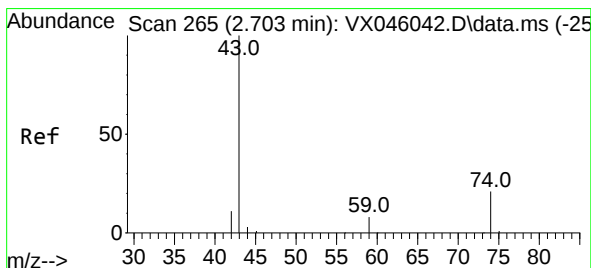
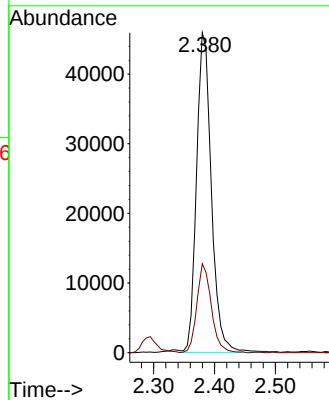
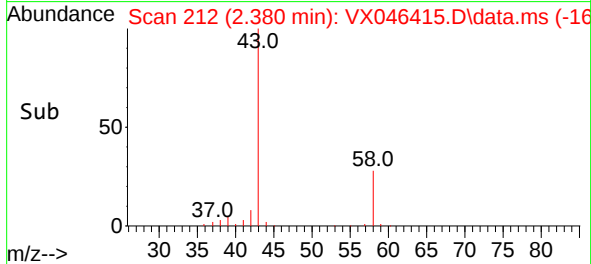
Instrument :
MSVOA_X
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OR-646-COMP-52



Tgt Ion: 43 Resp: 77719
Ion Ratio Lower Upper
43 100
58 27.8 21.2 31.8

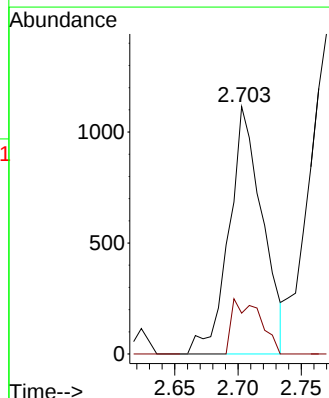
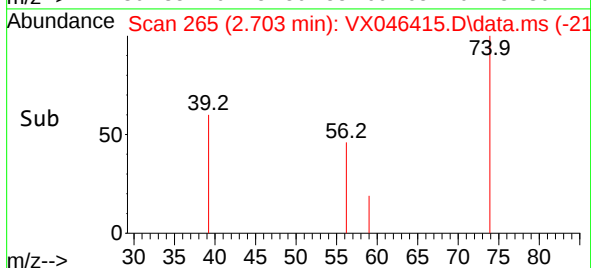
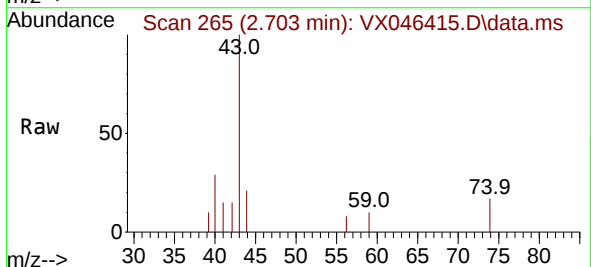
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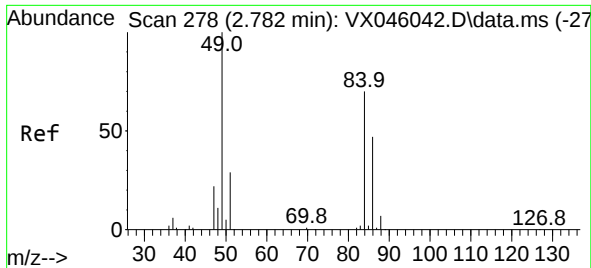
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#18
Methyl Acetate
Concen: 1.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

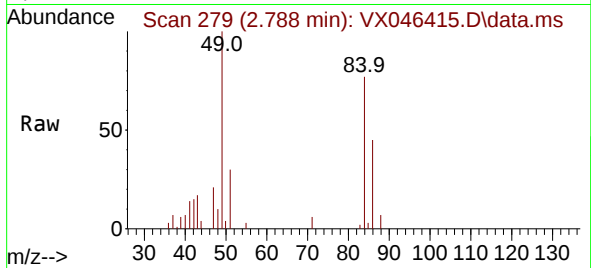
Tgt Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
74 18.8 16.7 25.1





#20
Methylene Chloride
Concen: 8.158 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

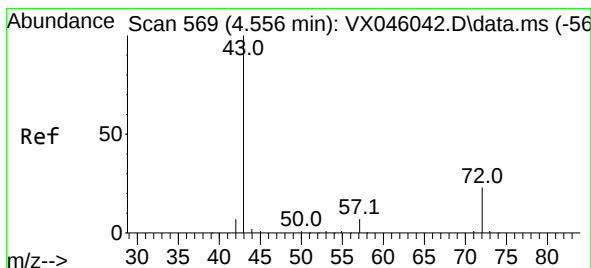
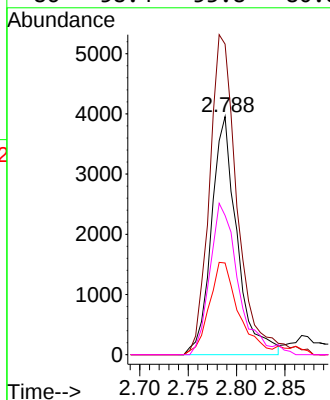
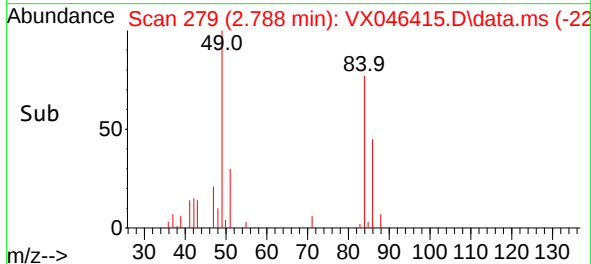
Instrument :
MSVOA_X
ClientSampleId :
OR-646-COMP-52



Tgt Ion: 84 Resp: 728
Ion Ratio Lower Upper
84 100
49 130.4 113.9 170.9
51 38.5 33.5 50.3
86 58.4 53.8 80.8

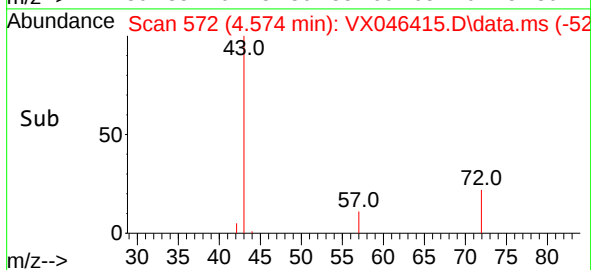
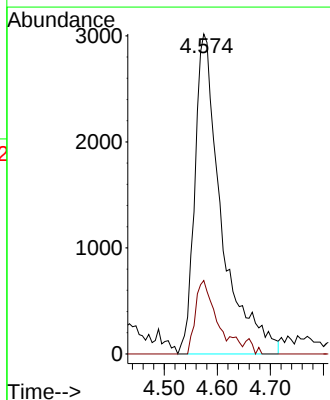
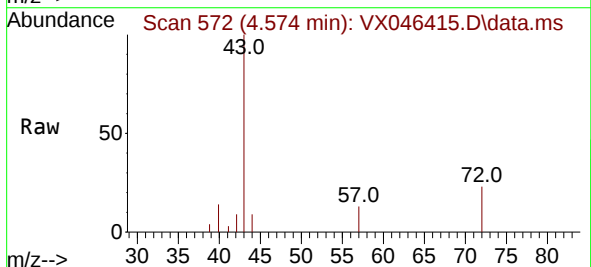
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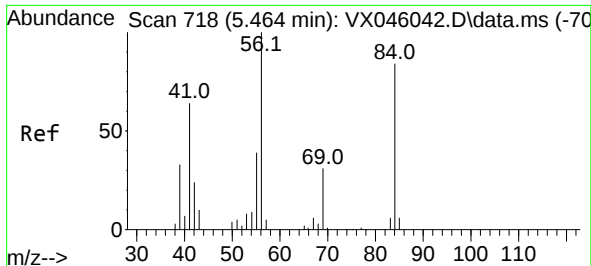
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#25
2-Butanone
Concen: 15.544 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

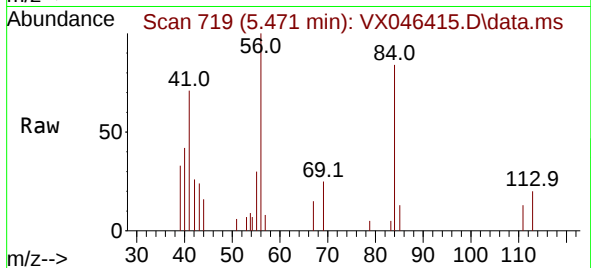
Tgt Ion: 43 Resp: 10511
Ion Ratio Lower Upper
43 100
72 22.9 18.4 27.6





#31
Cyclohexane
Concen: 3.399 ug/l
RT: 5.471 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

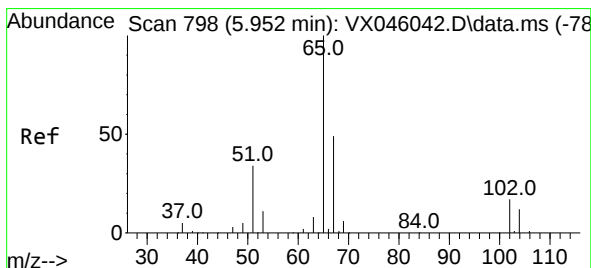
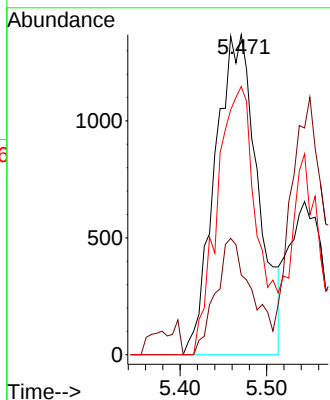
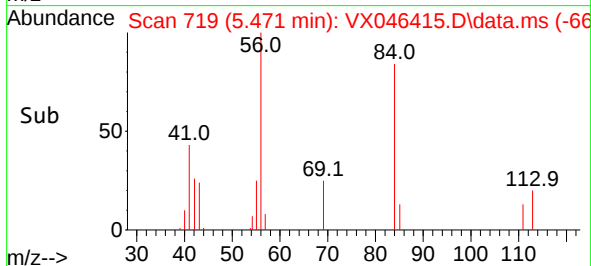
Instrument :
MSVOA_X
ClientSampleId :
OR-646-COMP-52



Tgt Ion: 56 Resp: 470
Ion Ratio Lower Upper
56 100
69 14.0 24.4 36.6
84 83.8 66.9 100.3

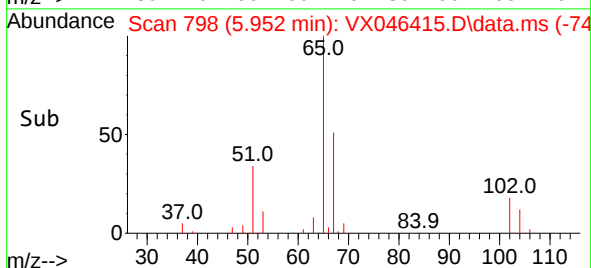
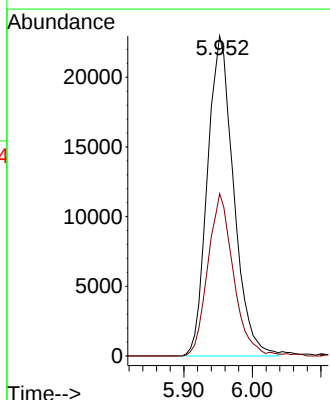
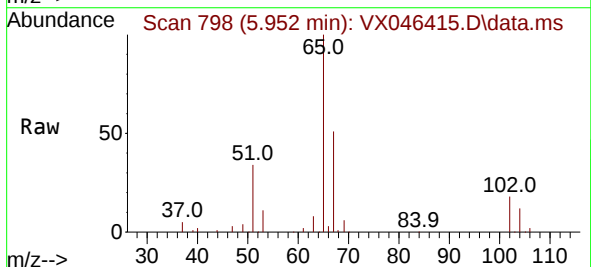
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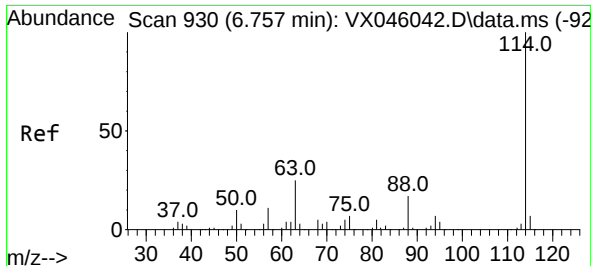
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#33
1,2-Dichloroethane-d4
Concen: 52.554 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

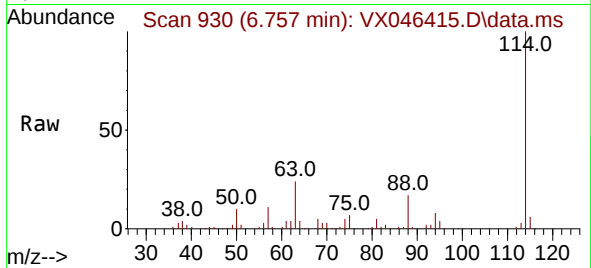
Tgt Ion: 65 Resp: 61051
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 914
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

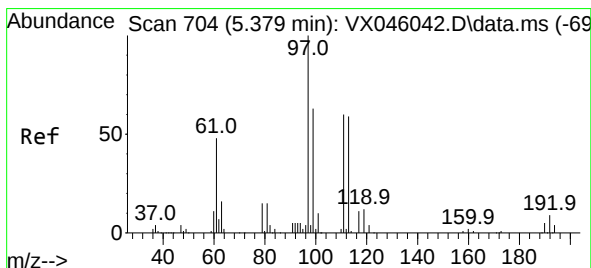
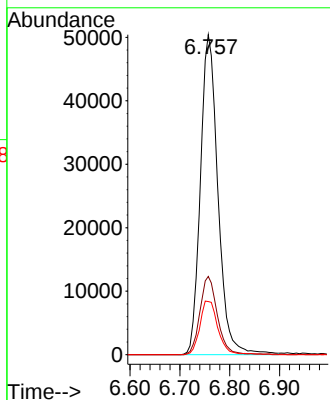
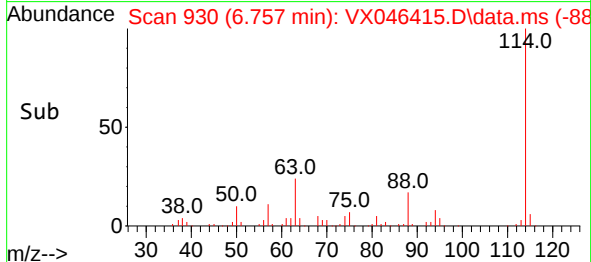
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MSVOA_X
ClientSampleId :
OR-646-COMP-52



Tgt Ion:114 Resp: 12335
Ion Ratio Lower Upper
114 100
63 24.5 0.0 49.2
88 16.6 0.0 33.6

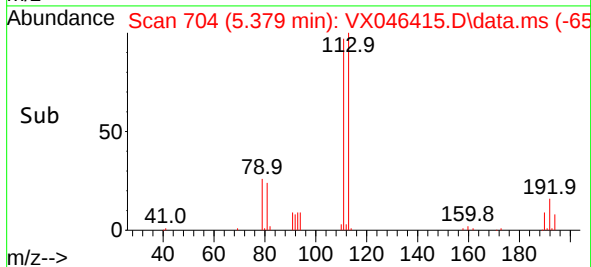
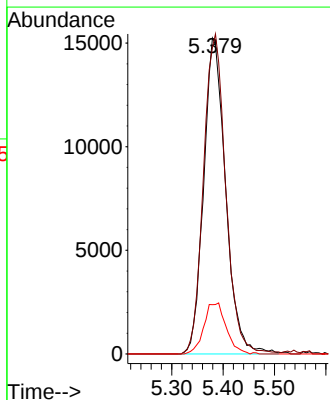
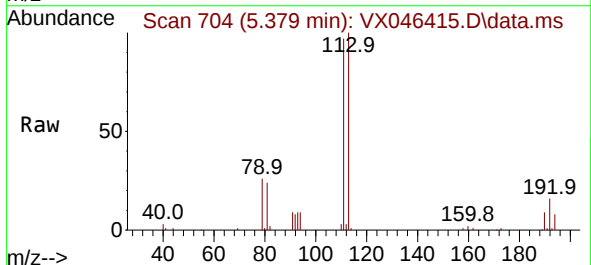
Manual Integrations
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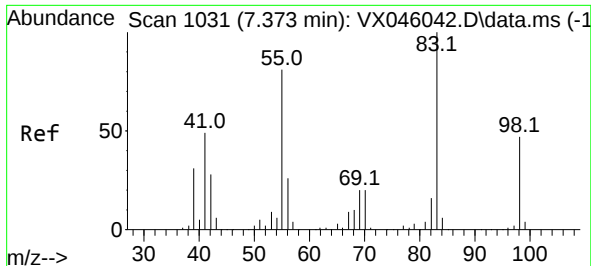
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#35
Dibromofluoromethane
Concen: 50.992 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

Tgt Ion:113 Resp: 45295
Ion Ratio Lower Upper
113 100
111 102.5 83.1 124.7
192 16.3 13.3 19.9





#39

Methylcyclohexane

Concen: 1.908 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046415.D

Acq: 30 May 2025 12:42

Instrument :

MSVOA_X

ClientSampleId :

OR-646-COMP-52

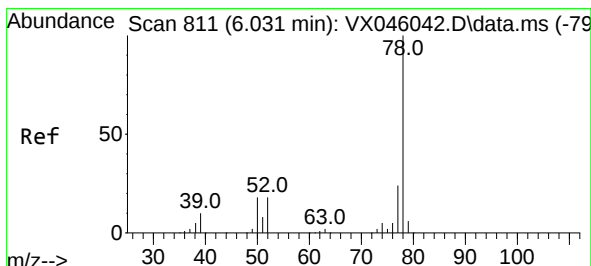
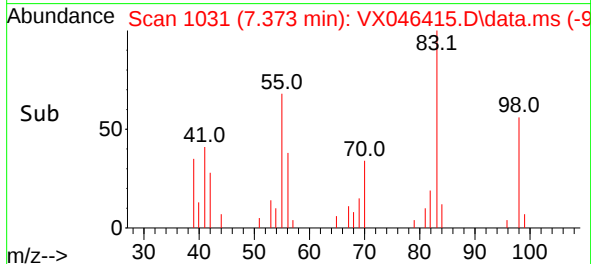
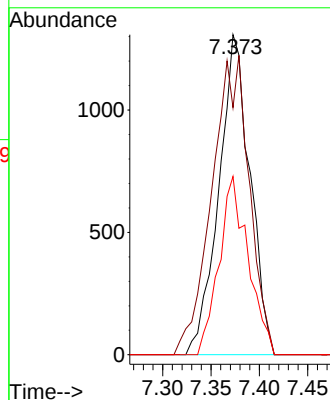
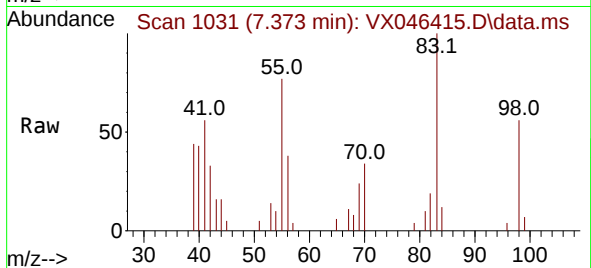
Tgt Ion: 83	Resp: 293
Ion Ratio	Lower Upper
83	100
55	77.2 64.7 97.1
98	55.7 37.4 56.2

Manual Integrations

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Supervised By :Mahesh Dadoda 06/02/2025



#40

Benzene

Concen: 2.975 ug/l

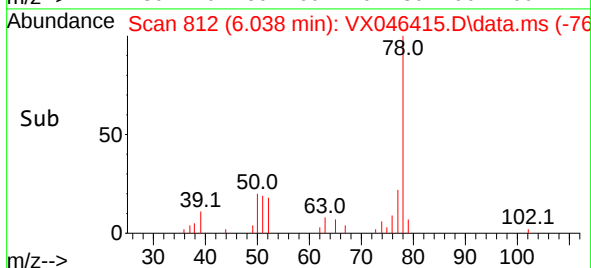
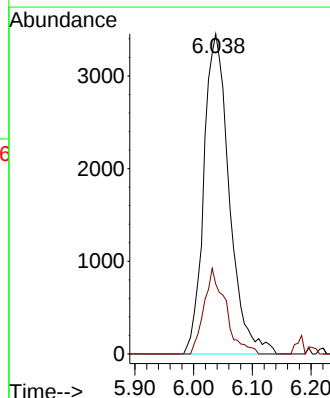
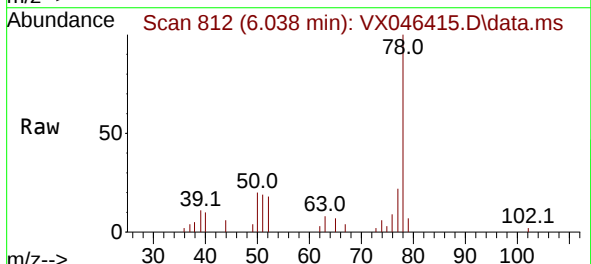
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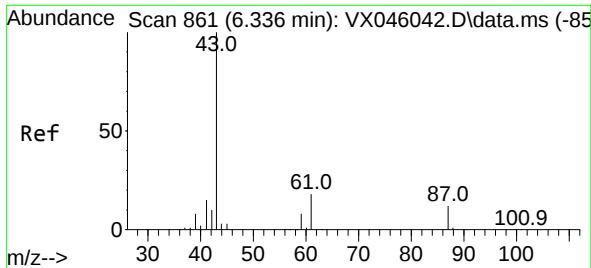
Delta R.T. 0.006 min

Lab File: VX046415.D

Acq: 30 May 2025 12:42

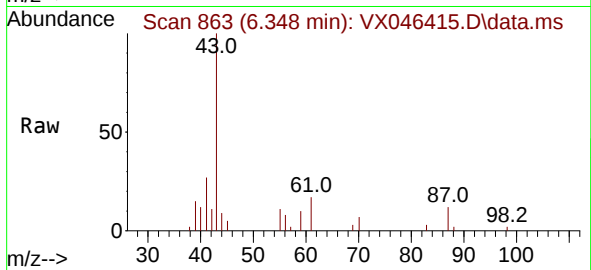
Tgt Ion: 78	Resp: 10399
Ion Ratio	Lower Upper
78	100
77	21.9 19.0 28.4





#43
Isopropyl Acetate
Concen: 5.234 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

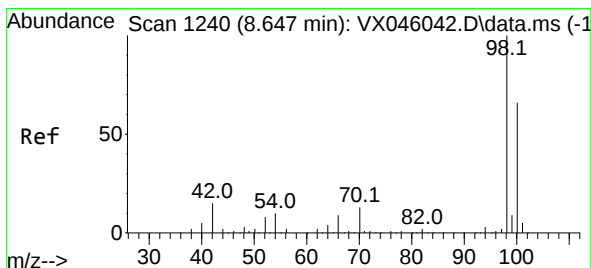
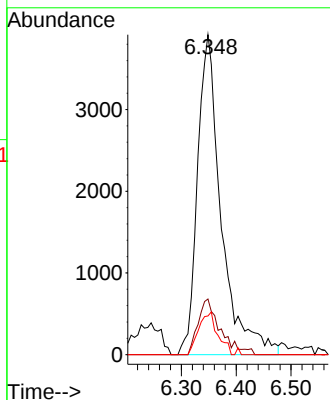
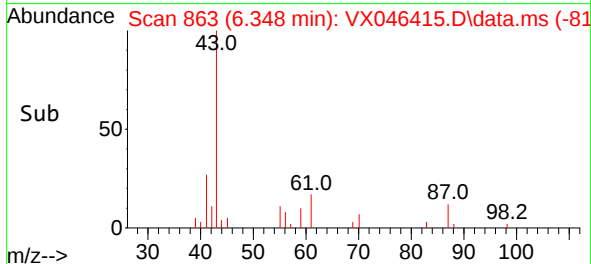
Instrument :
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ClientSampleId :
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Tgt Ion: 43 Resp: 11775
Ion Ratio Lower Upper
43 100
61 15.7 14.3 21.5
87 10.6 9.5 14.3

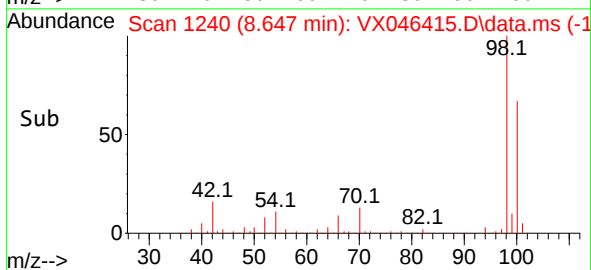
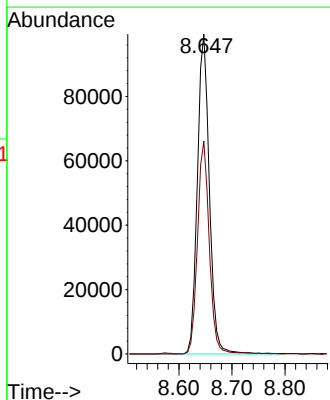
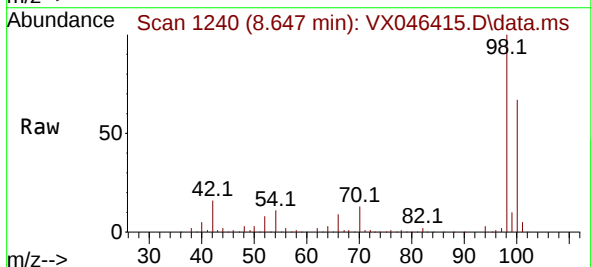
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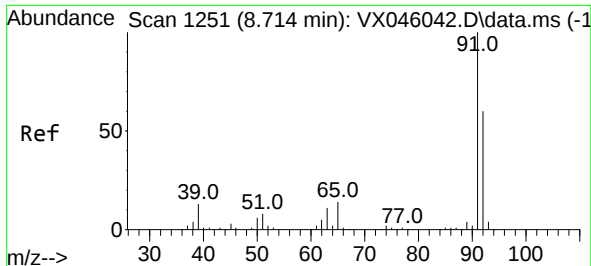
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#50
Toluene-d8
Concen: 50.812 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

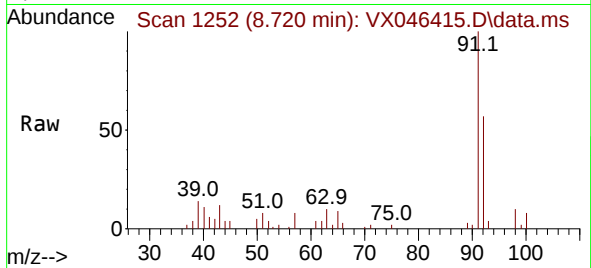
Tgt Ion: 98 Resp: 156219
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3





#52
Toluene
Concen: 2.153 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

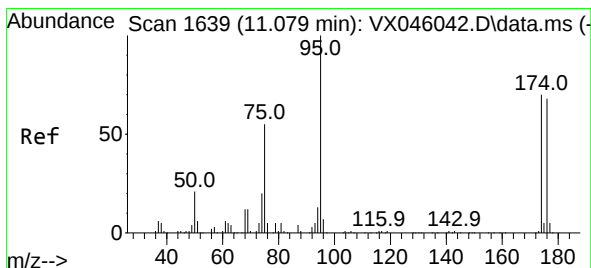
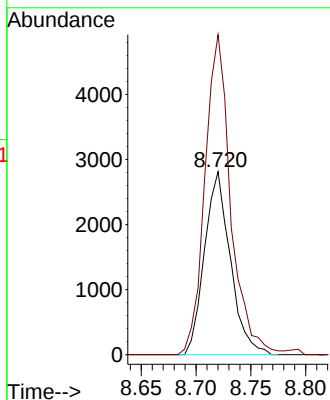
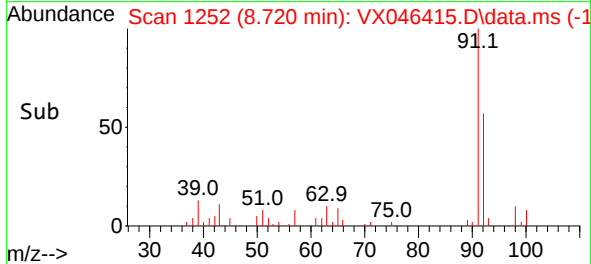
Instrument :
MSVOA_X
ClientSampleId :
OR-646-COMP-52



Tgt Ion: 92 Resp: 4615
Ion Ratio Lower Upper
92 100
91 174.6 136.6 205.0

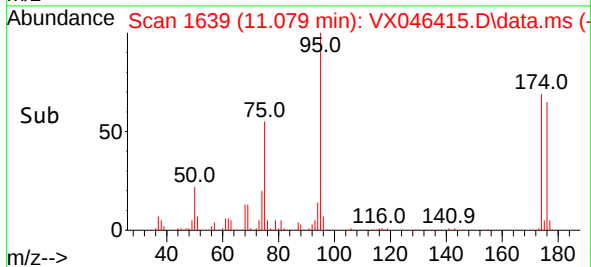
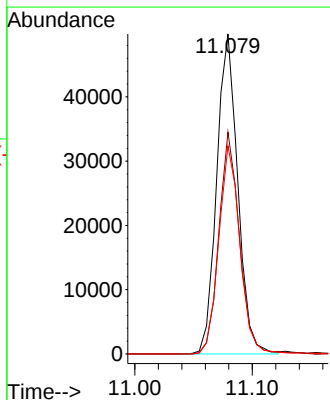
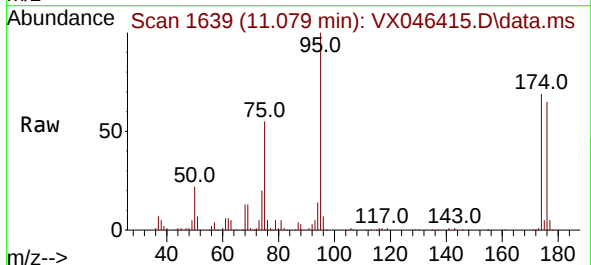
Manual Integrations
APPROVED

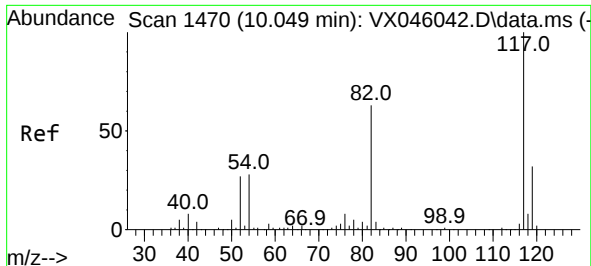
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#62
4-Bromofluorobenzene
Concen: 52.587 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

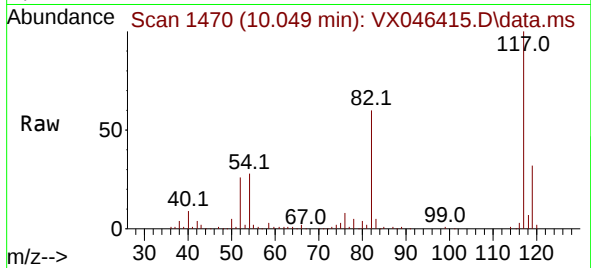
Tgt Ion: 95 Resp: 62016
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 65.4 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

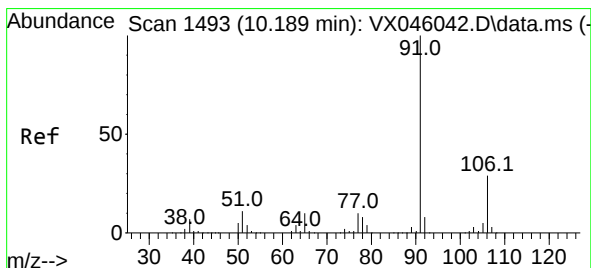
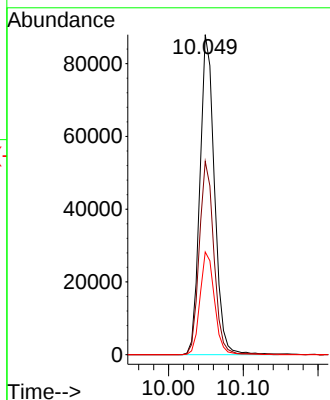
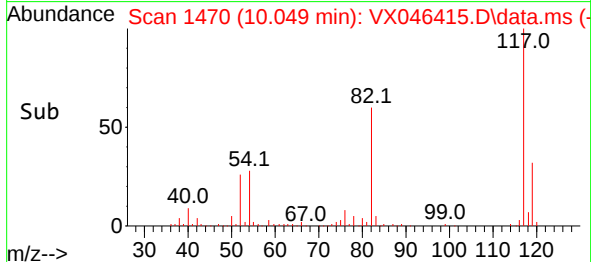
Instrument :
MSVOA_X
ClientSampleId :
OR-646-COMP-52



Tgt Ion: 117 Resp: 119278
Ion Ratio Lower Upper
117 100
82 60.4 50.6 76.0
119 32.1 25.8 38.6

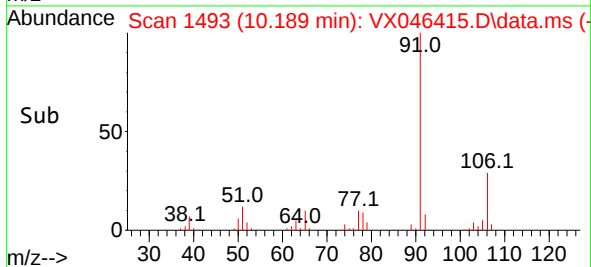
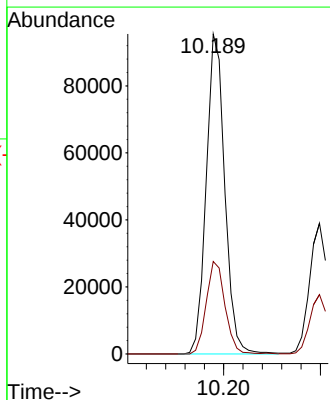
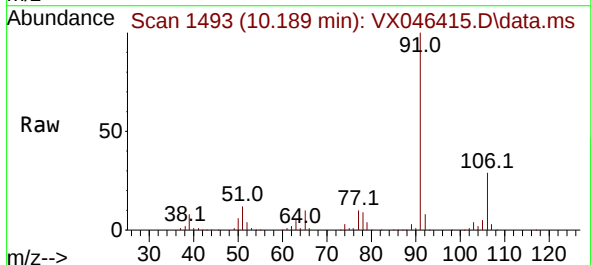
Manual Integrations
APPROVED

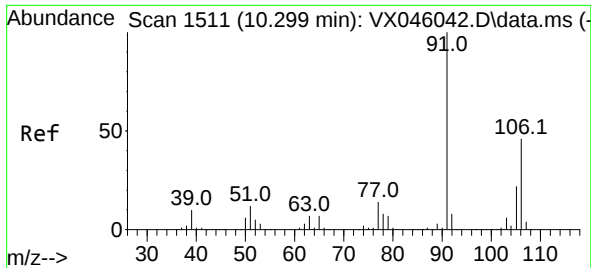
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#67
Ethyl Benzene
Concen: 27.591 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

Tgt Ion: 91 Resp: 126974
Ion Ratio Lower Upper
91 100
106 28.9 23.4 35.2





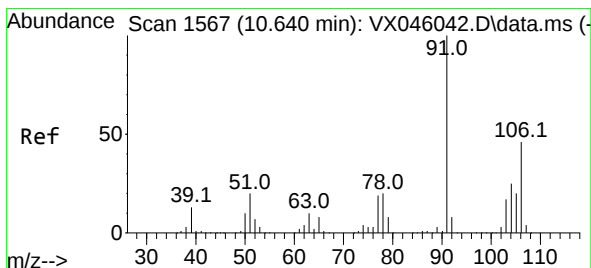
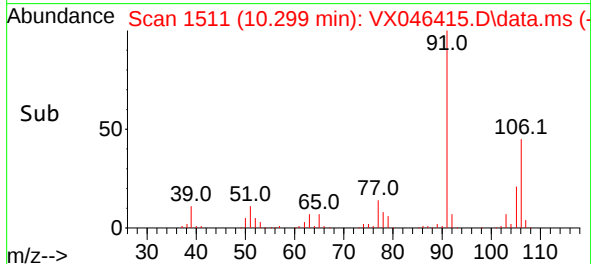
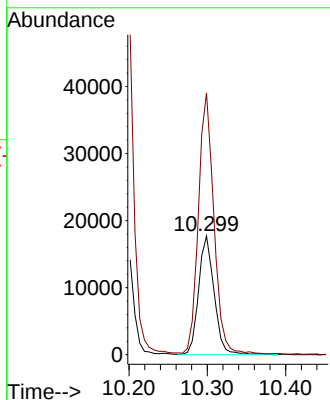
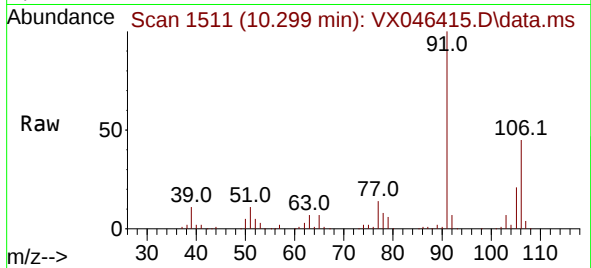
#68
m/p-Xylenes
Concen: 14.506 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
OR-646-COMP-52

Tgt Ion:106 Resp: 2441
Ion Ratio Lower Upper
106 100
91 219.3 171.2 256.8

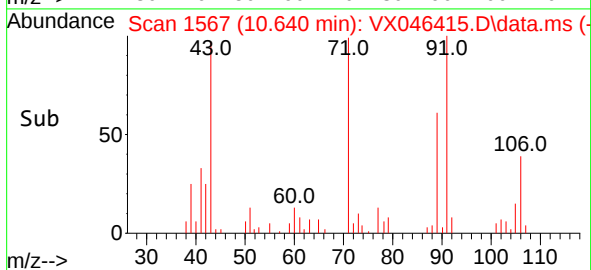
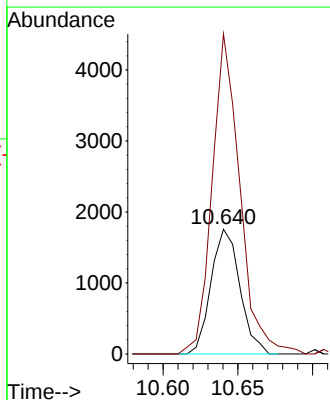
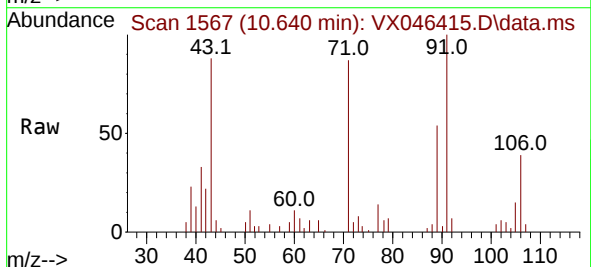
Manual Integrations
APPROVED

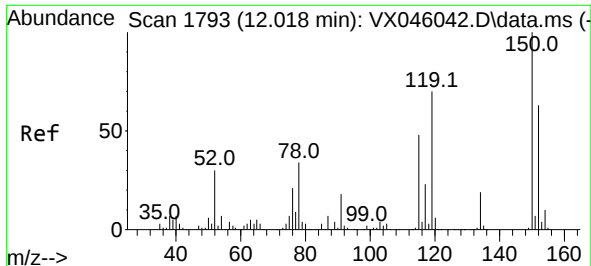
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#69
o-Xylene
Concen: 1.435 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

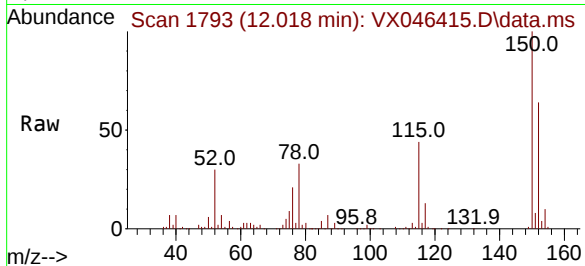
Tgt Ion:106 Resp: 2355
Ion Ratio Lower Upper
106 100
91 246.6 112.7 338.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

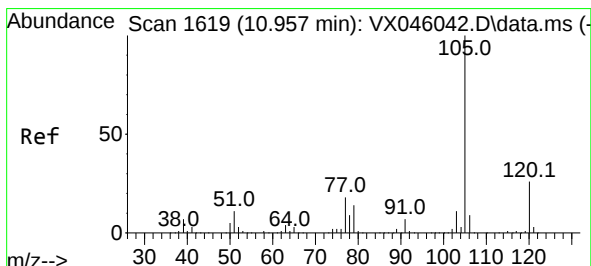
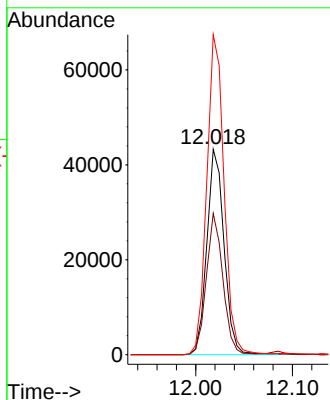
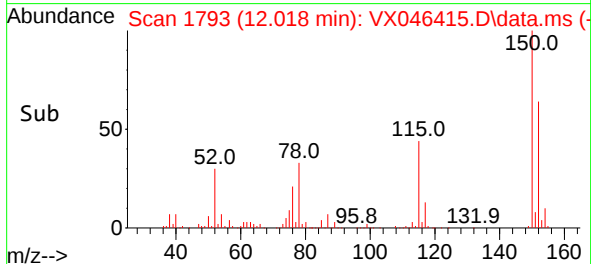
Instrument :
MSVOA_X
ClientSampleId :
OR-646-COMP-52



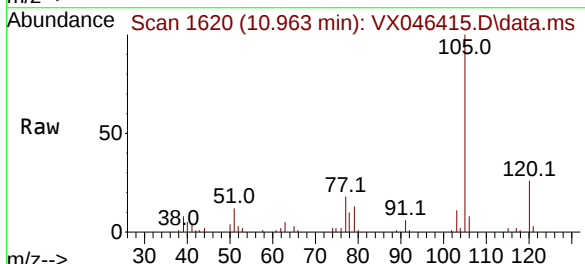
Tgt Ion:152 Resp: 53550
Ion Ratio Lower Upper
152 100
115 66.3 46.9 140.7
150 156.4 0.0 351.0

Manual Integrations
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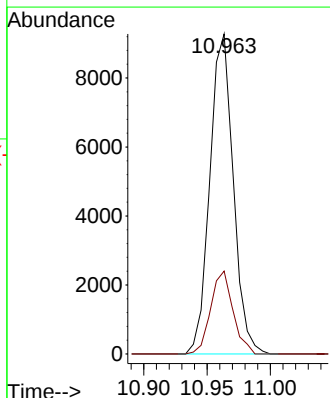
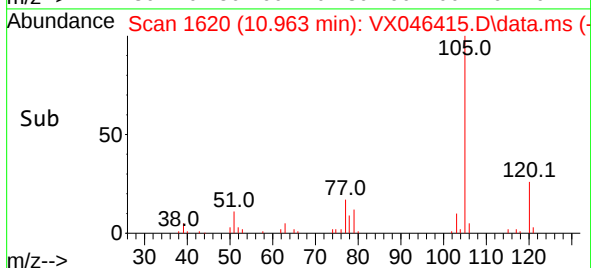
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

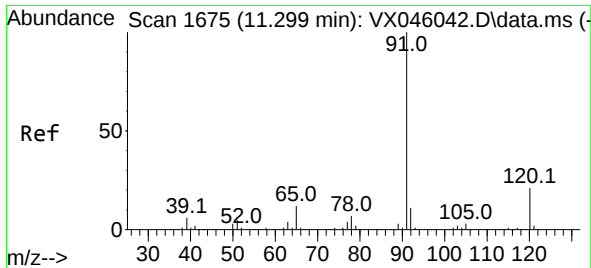


#73
Isopropylbenzene
Concen: 2.865 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42



Tgt Ion:105 Resp: 11945
Ion Ratio Lower Upper
105 100
120 24.6 12.8 38.4





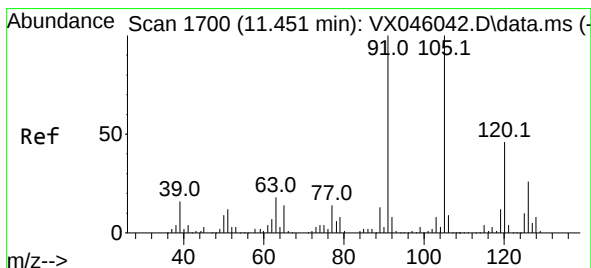
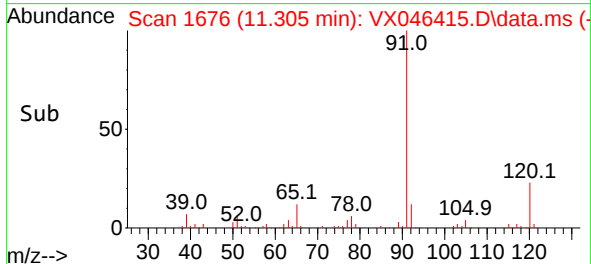
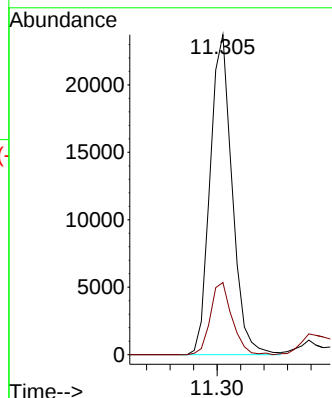
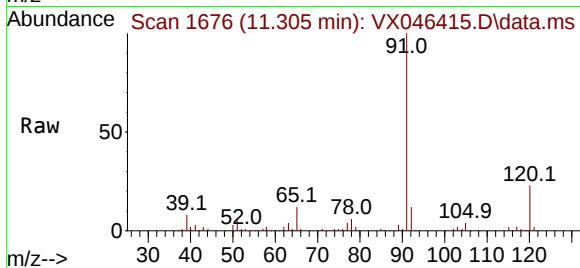
#78
n-propylbenzene
Concen: 6.388 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
OR-646-COMP-52

Tgt Ion: 91 Resp: 3096
Ion Ratio Lower Upper
91 100
120 22.1 10.8 32.4

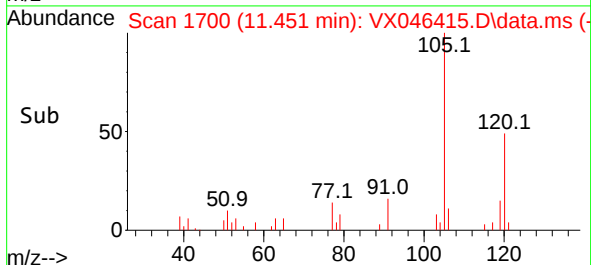
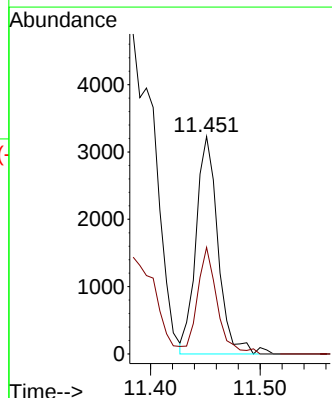
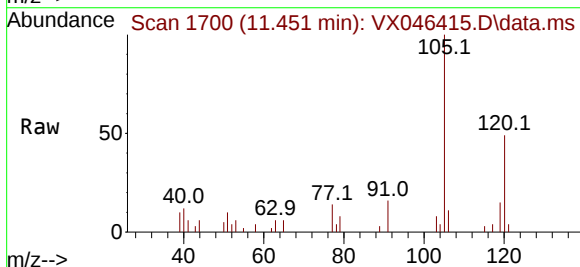
Manual Integrations
APPROVED

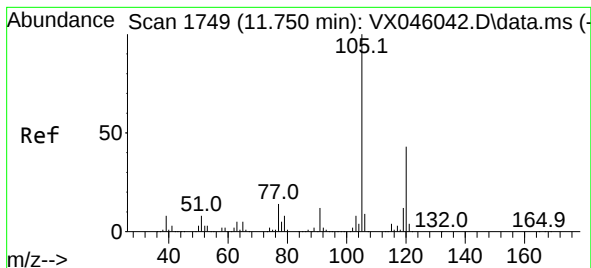
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#80
1,3,5-Trimethylbenzene
Concen: 1.297 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046415.D
Acq: 30 May 2025 12:42

Tgt Ion:105 Resp: 4519
Ion Ratio Lower Upper
105 100
120 44.1 23.1 69.2





#84

1,2,4-Trimethylbenzene

Concen: 3.726 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046415.D

Acq: 30 May 2025 12:42

Instrument :

MSVOA_X

ClientSampleId :

OR-646-COMP-52

Tgt Ion:105 Resp: 1314

Ion Ratio Lower Upper

105 100

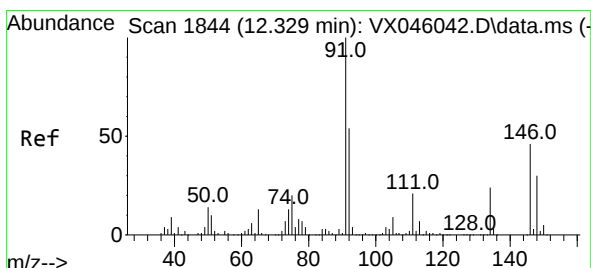
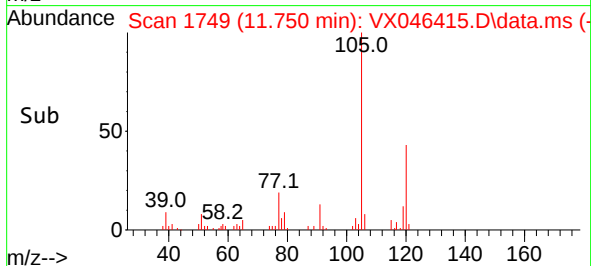
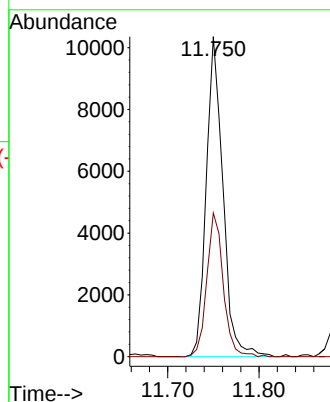
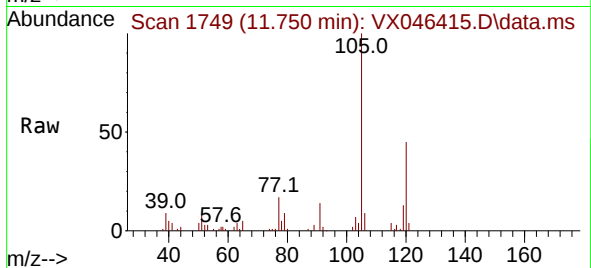
120 44.3 21.2 63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/02/2025

Supervised By :Mahesh Dadoda 06/02/2025



#89

n-Butylbenzene

Concen: 0.913 ug/l m

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX046415.D

Acq: 30 May 2025 12:42

Tgt Ion: 91 Resp: 2849

Ion Ratio Lower Upper

91 100

92 48.2 26.9 80.7

134 73.6 11.8 35.3#

