

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046483.D
 Acq On : 03 Jun 2025 19:15
 Operator : JC/MD
 Sample : Q2168-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C2

Quant Time: Jun 04 01:33:38 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

Manual Integrations APPROVED

Reviewed By : John Carlone 06/04/2025
 Supervised By : Mahesh Dadoda 06/04/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	59490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	118530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58472	52.721	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.440%			
35) Dibromofluoromethane	5.385	113	42067	49.285	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	8.647	98	150013	50.779	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.079	95	59483	52.491	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.980%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.971	59	5208	33.453	ug/l	96
16) Acetone	2.380	43	68856	154.840	ug/l	99
18) Methyl Acetate	2.709	43	19966	19.348	ug/l	100
20) Methylene Chloride	2.788	84	2889	3.390	ug/l	93
25) 2-Butanone	4.568	43	14247	22.068	ug/l	98
31) Cyclohexane	5.458	56	2582	1.953	ug/l	93
37) Ethyl Acetate	4.733	43	9780m	6.902	ug/l	
39) Methylcyclohexane	7.373	83	1623	1.099	ug/l #	68
40) Benzene	6.037	78	2333004	694.525	ug/l	99
43) Isopropyl Acetate	6.354	43	6101	2.823	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	36192m	25.224	ug/l	
52) Toluene	8.714	92	934183	453.539	ug/l	100
67) Ethyl Benzene	10.189	91	87558	20.424	ug/l	100
68) m/p-Xylenes	10.299	106	176136	112.336	ug/l	98
69) o-Xylene	10.640	106	103501	67.710	ug/l	97
78) n-propylbenzene	11.305	91	6596	1.426	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	19433	5.848	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	80506	23.923	ug/l	80
95) Naphthalene	13.774	128	396485	111.288	ug/l	100

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

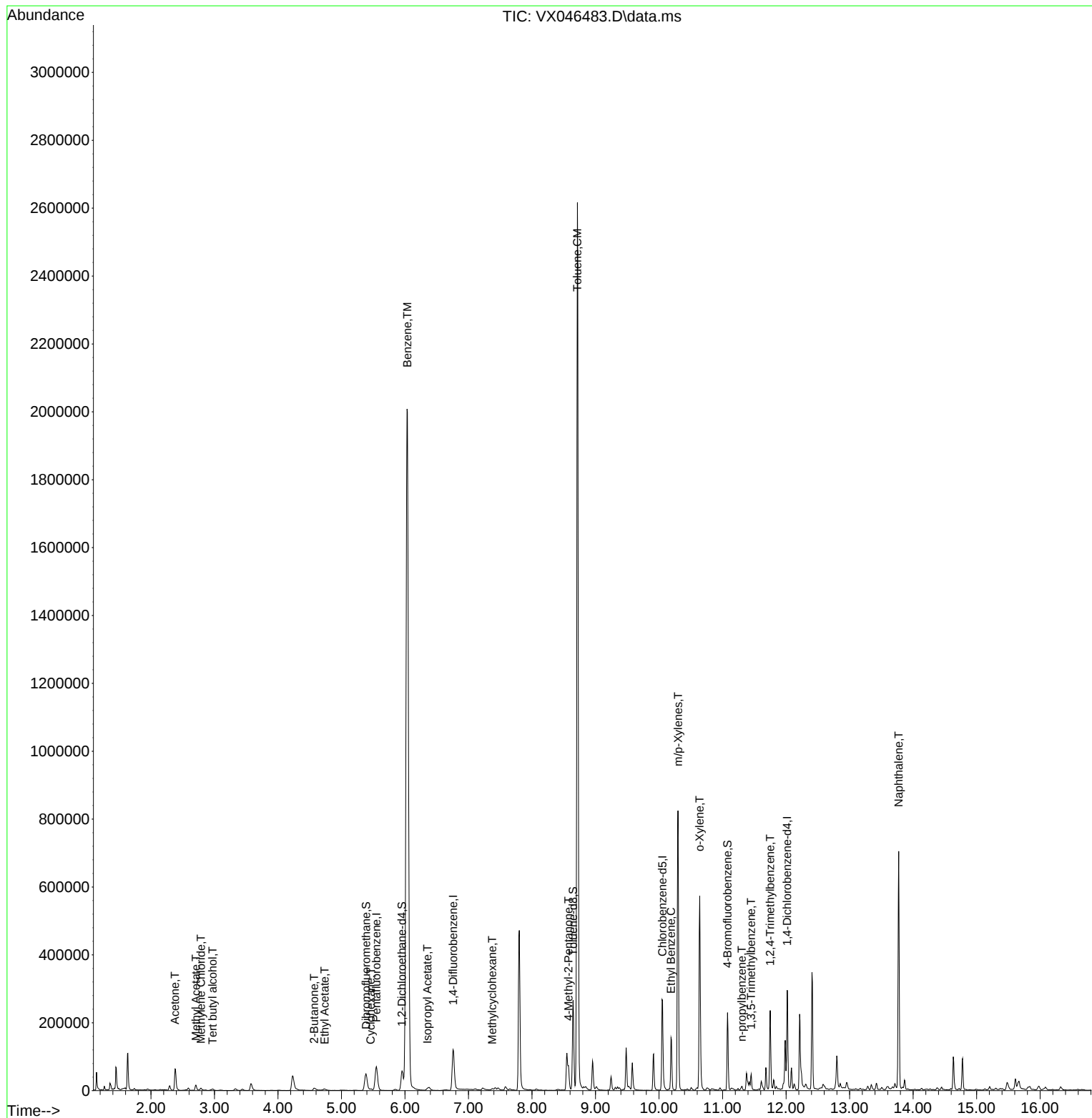
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
Data File : VX046483.D
Acq On : 03 Jun 2025 19:15
Operator : JC/MD
Sample : Q2168-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

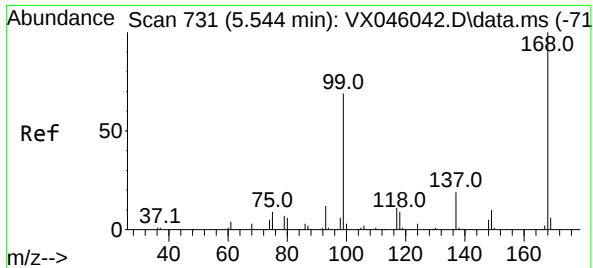
Instrument :
MSVOA_X
ClientSampleId :
C2

Manual Integrations
APPROVED

Reviewed By : John Carlone 06/04/2025
Supervised By : Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:33:38 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





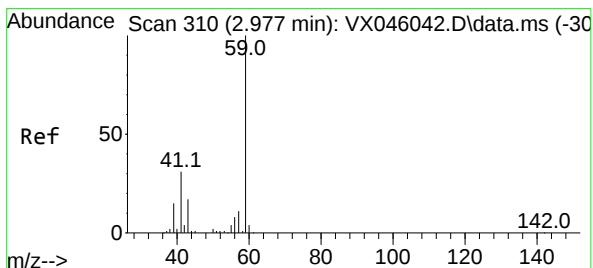
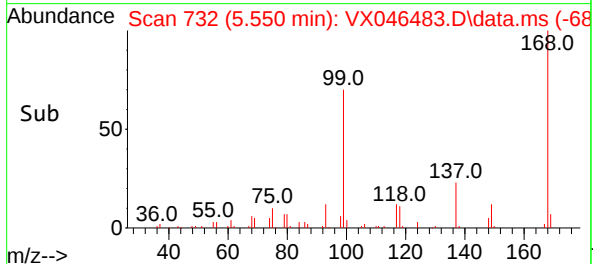
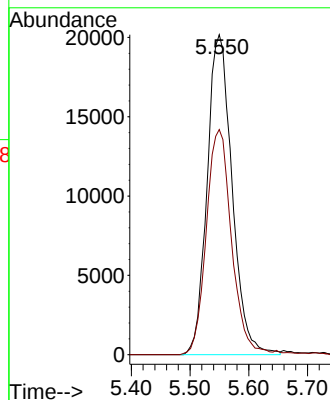
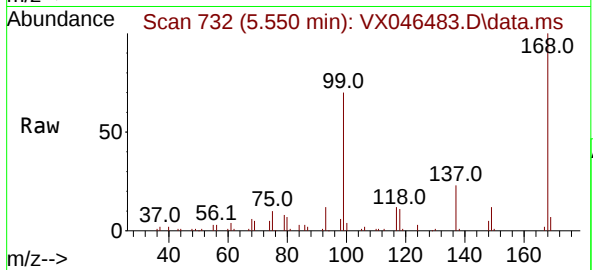
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Instrument :
MSVOA_X
ClientSampleId :
C2

Tgt Ion:168 Resp: 59490
Ion Ratio Lower Upper
168 100
99 70.4 54.9 82.3

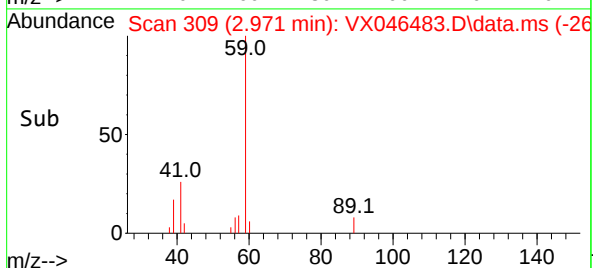
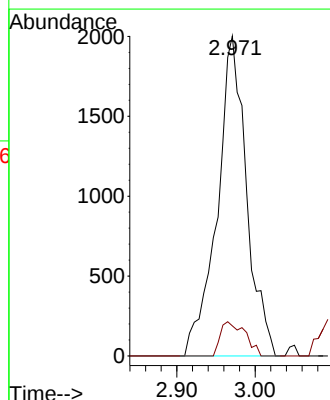
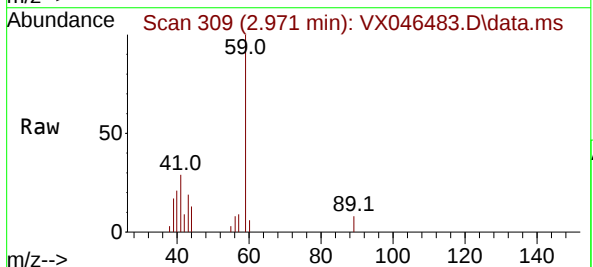
Manual Integrations
APPROVED

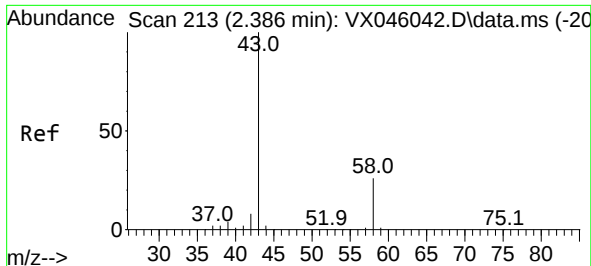
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#11
Tert butyl alcohol
Concen: 33.453 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

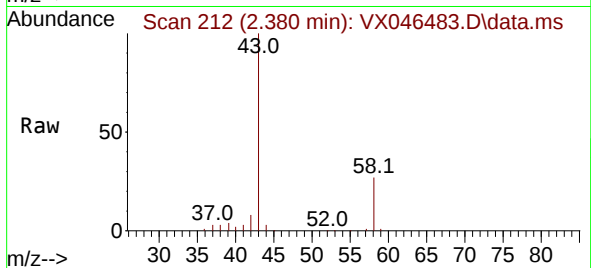
Tgt Ion: 59 Resp: 5208
Ion Ratio Lower Upper
59 100
57 9.0 8.6 12.8





#16
Acetone
Concen: 154.840 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

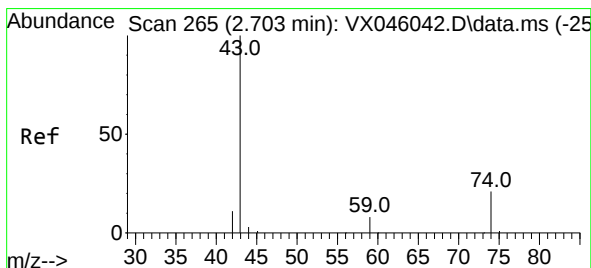
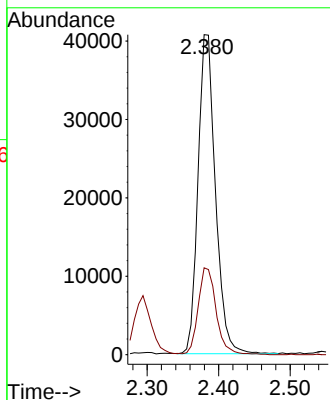
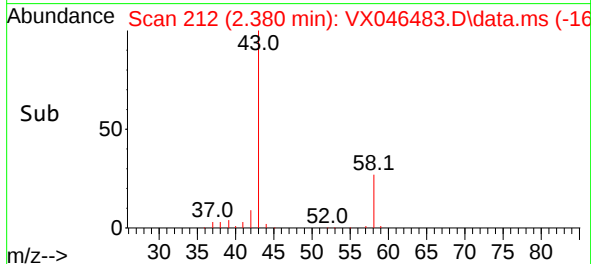
Instrument :
MSVOA_X
ClientSampleId :
C2



Tgt Ion: 43 Resp: 68850
Ion Ratio Lower Upper
43 100
58 27.2 21.2 31.8

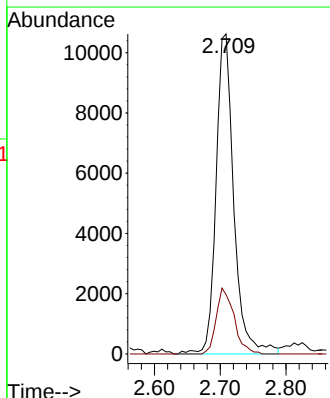
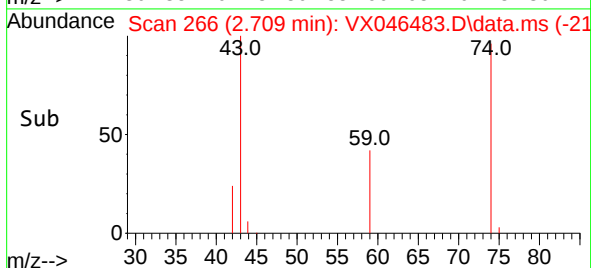
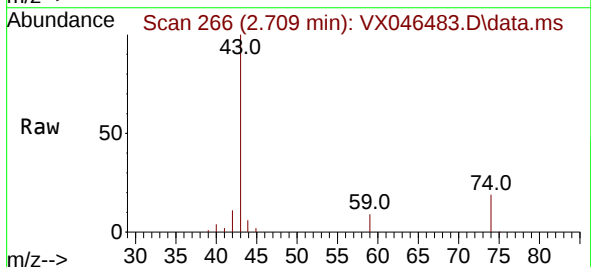
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#18
Methyl Acetate
Concen: 19.348 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

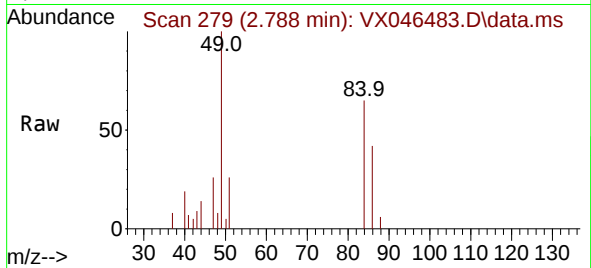
Tgt Ion: 43 Resp: 19966
Ion Ratio Lower Upper
43 100
74 20.7 16.7 25.1





#20
Methylene Chloride
Concen: 3.390 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

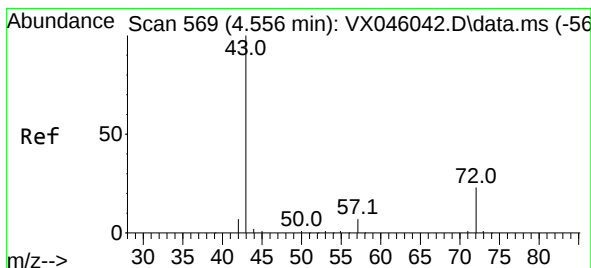
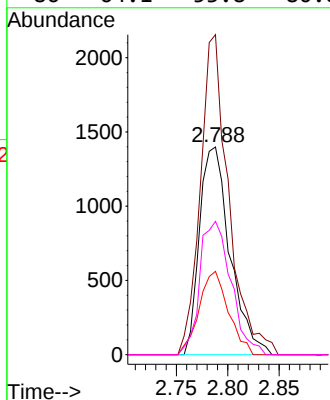
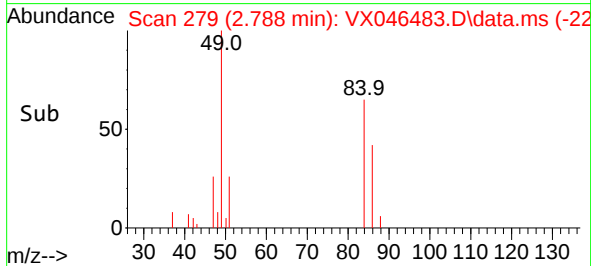
Instrument :
MSVOA_X
ClientSampleId :
C2



Tgt Ion: 84 Resp: 2889
Ion Ratio Lower Upper
84 100
49 154.0 113.9 170.9
51 40.1 33.5 50.3
86 64.1 53.8 80.8

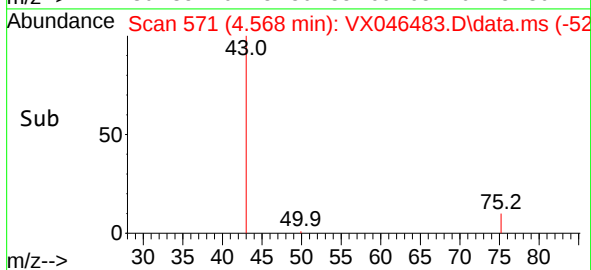
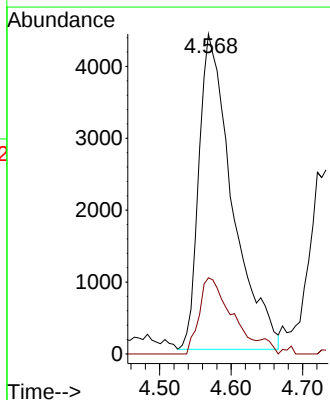
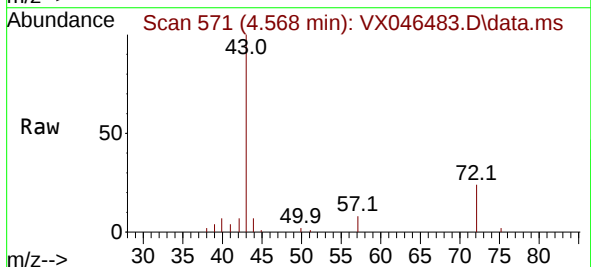
Manual Integrations
APPROVED

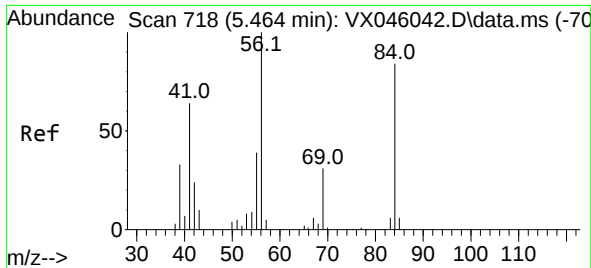
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#25
2-Butanone
Concen: 22.068 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Tgt Ion: 43 Resp: 14247
Ion Ratio Lower Upper
43 100
72 24.2 18.4 27.6





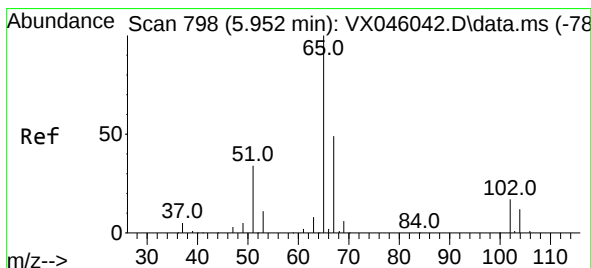
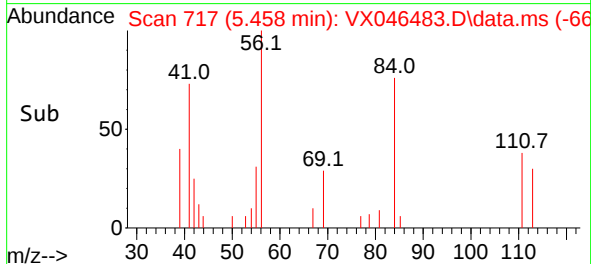
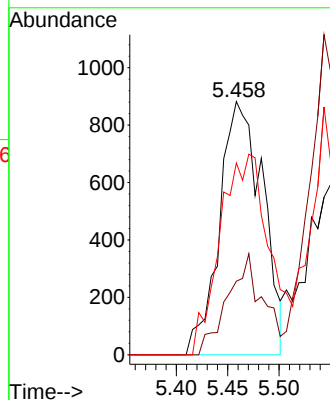
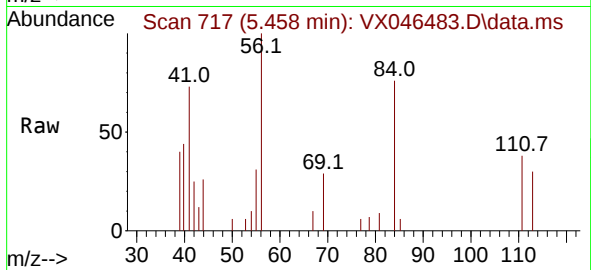
#31
Cyclohexane
Concen: 1.953 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Instrument :
MSVOA_X
ClientSampleId :
C2

Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
69 29.0 24.4 36.6
84 75.7 66.9 100.3

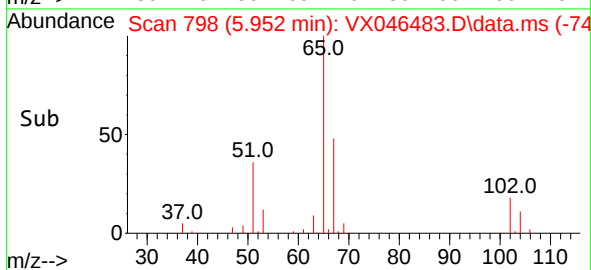
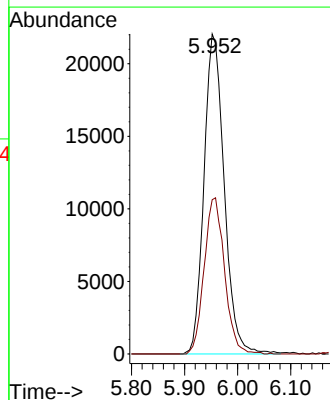
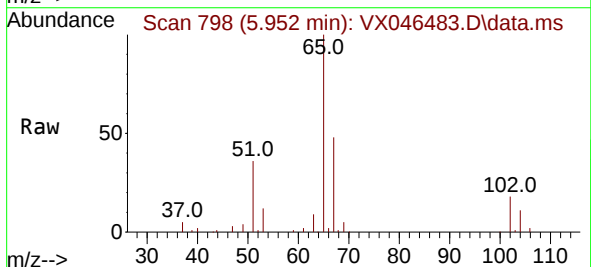
Manual Integrations
APPROVED

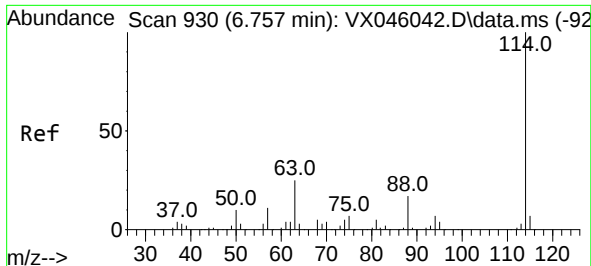
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#33
1,2-Dichloroethane-d4
Concen: 52.721 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Tgt Ion: 65 Resp: 58472
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0





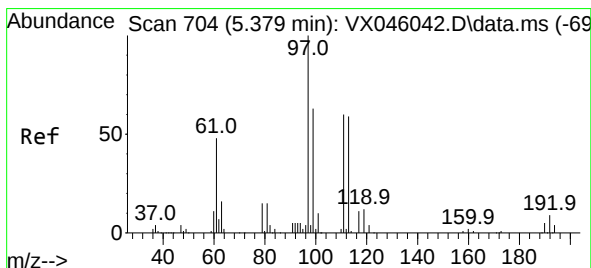
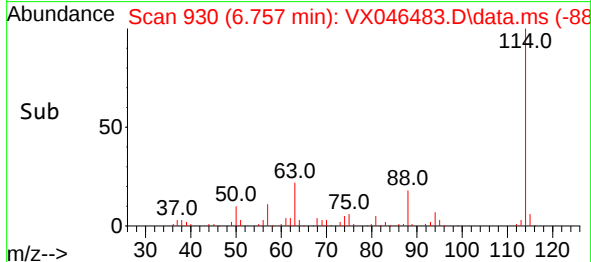
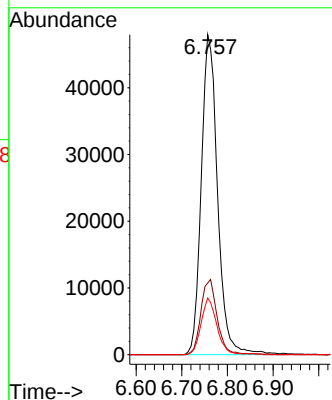
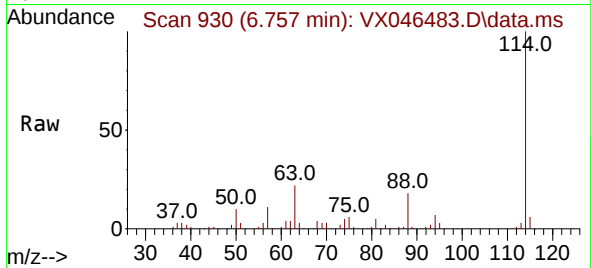
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Instrument :
MSVOA_X
ClientSampleId :
C2

Tgt Ion:114 Resp: 118530
Ion Ratio Lower Upper
114 100
63 22.4 0.0 49.2
88 17.7 0.0 33.6

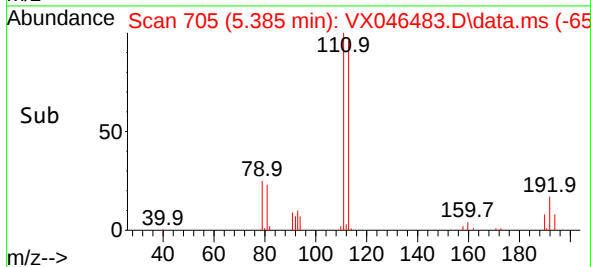
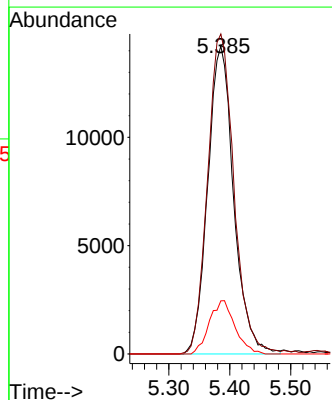
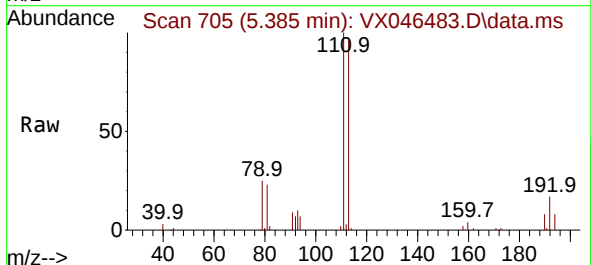
Manual Integrations
APPROVED

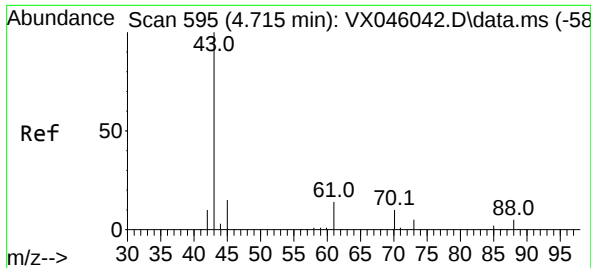
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#35
Dibromofluoromethane
Concen: 49.285 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Tgt Ion:113 Resp: 42067
Ion Ratio Lower Upper
113 100
111 105.6 83.1 124.7
192 17.1 13.3 19.9





#37

Ethyl Acetate

Concen: 6.902 ug/l m

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX046483.D

Acq: 03 Jun 2025 19:15

Instrument :

MSVOA_X

ClientSampleId :

C2

Tgt Ion: 43 Resp: 9780

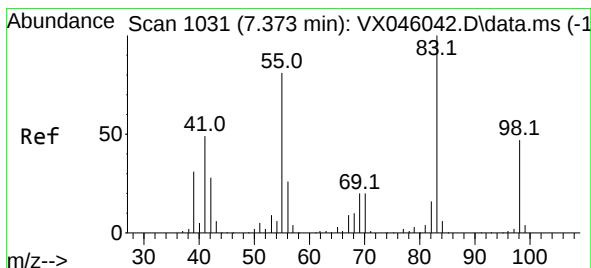
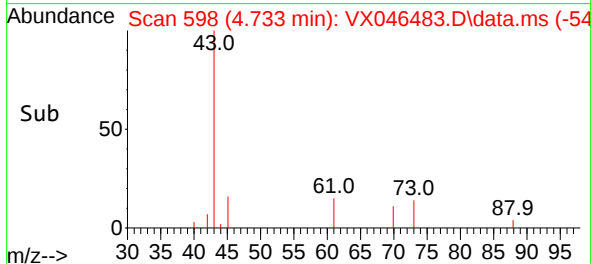
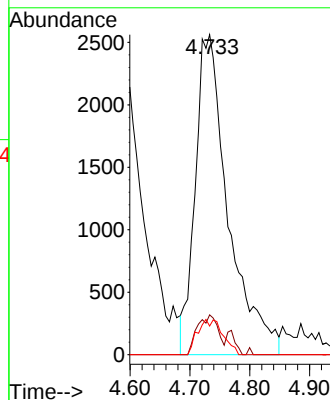
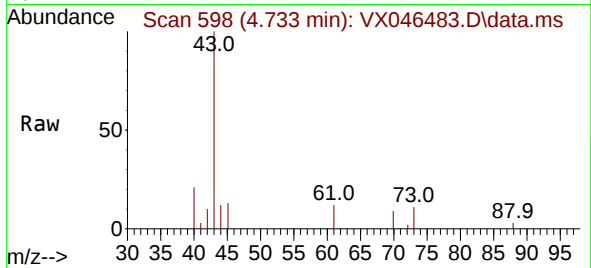
Ion	Ratio	Lower	Upper
43	100		
61	7.9	10.3	15.5
70	8.5	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#39

Methylcyclohexane

Concen: 1.099 ug/l

RT: 7.373 min Scan# 1031

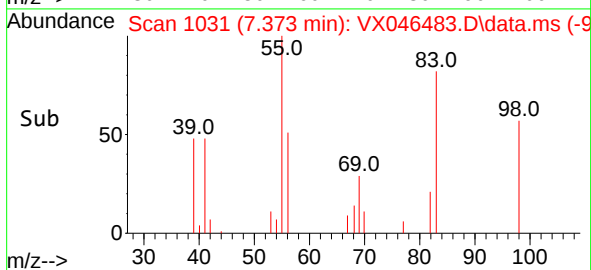
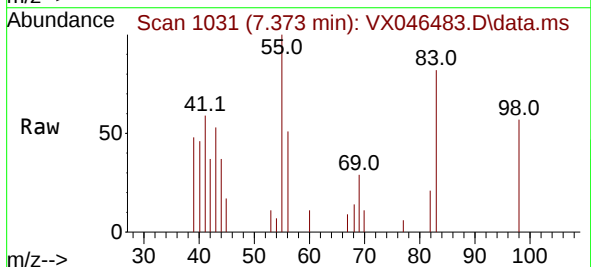
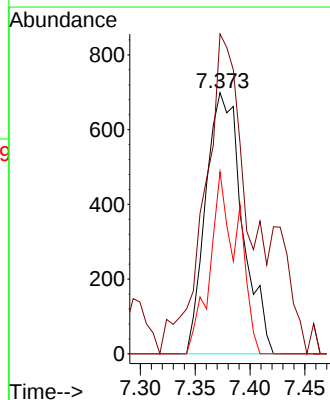
Delta R.T. -0.000 min

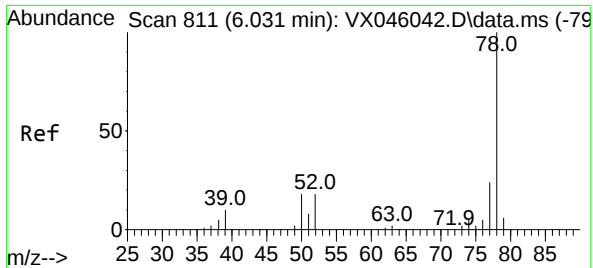
Lab File: VX046483.D

Acq: 03 Jun 2025 19:15

Tgt Ion: 83 Resp: 1623

Ion	Ratio	Lower	Upper
83	100		
55	108.4	64.7	97.1#
98	69.7	37.4	56.2#





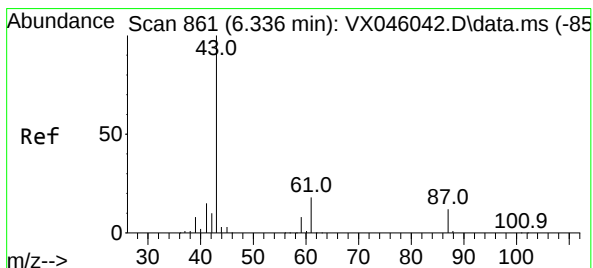
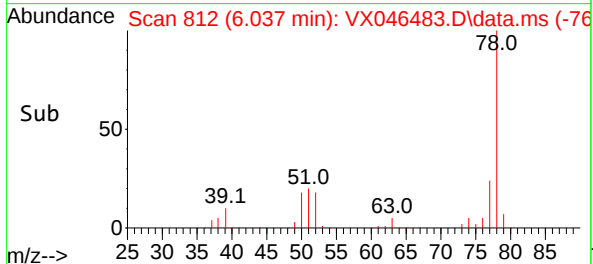
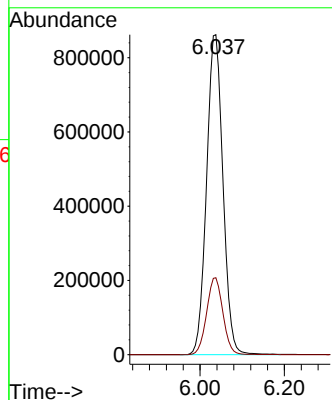
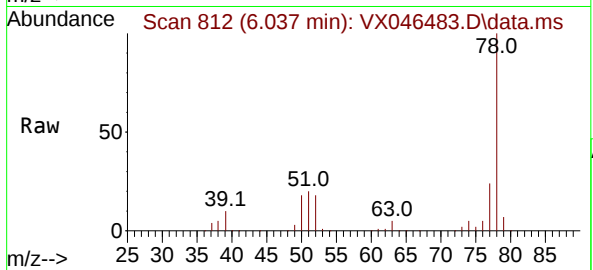
#40
Benzene
Concen: 694.525 ug/l
RT: 6.037 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Instrument :
MSVOA_X
ClientSampleId :
C2

Tgt Ion: 78 Resp: 2333004
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4

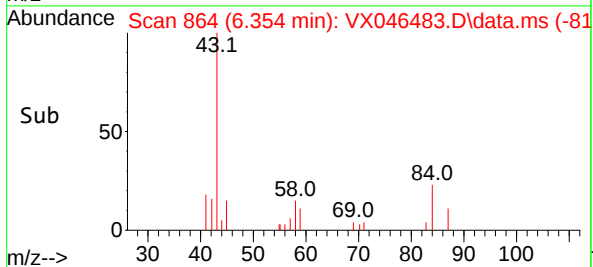
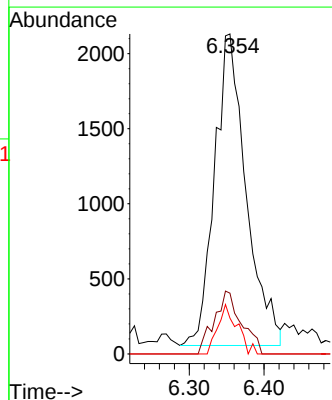
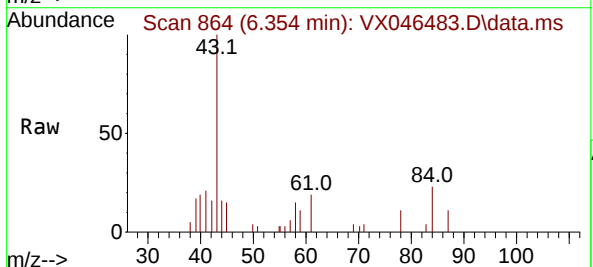
Manual Integrations
APPROVED

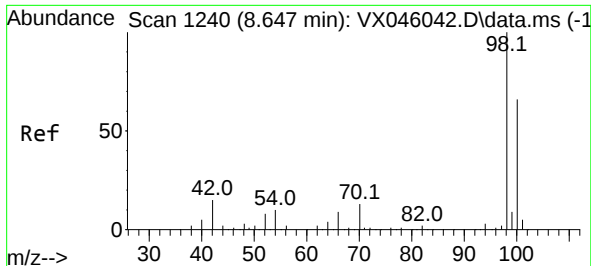
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#43
Isopropyl Acetate
Concen: 2.823 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

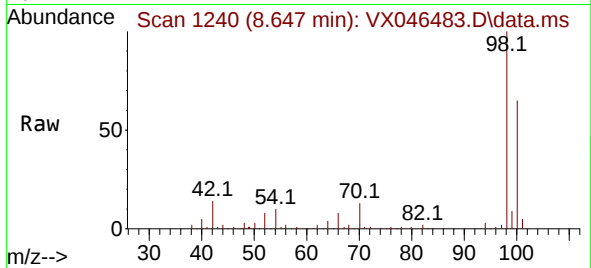
Tgt Ion: 43 Resp: 6101
Ion Ratio Lower Upper
43 100
61 17.3 14.3 21.5
87 9.7 9.5 14.3





#50
Toluene-d8
Concen: 50.779 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

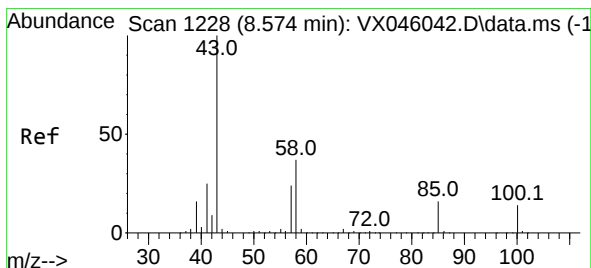
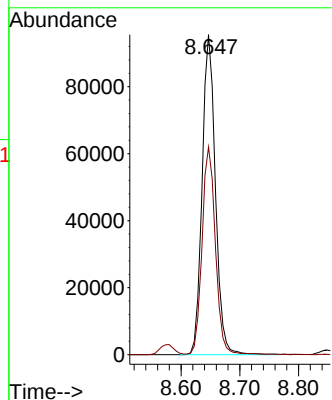
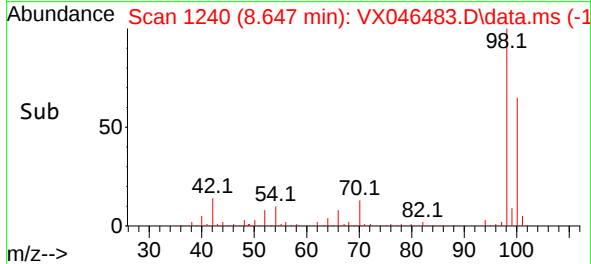
Instrument :
MSVOA_X
ClientSampleId :
C2



Tgt Ion: 98 Resp: 15001
Ion Ratio Lower Upper
98 100
100 65.0 53.5 80.3

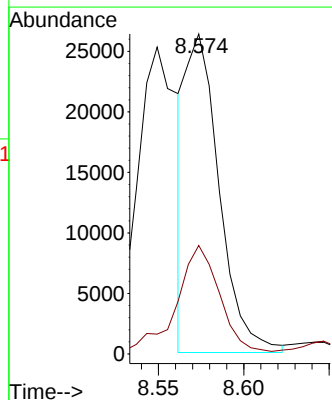
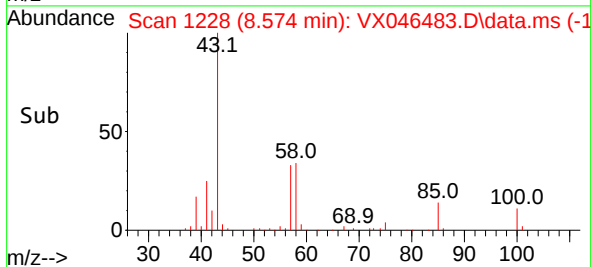
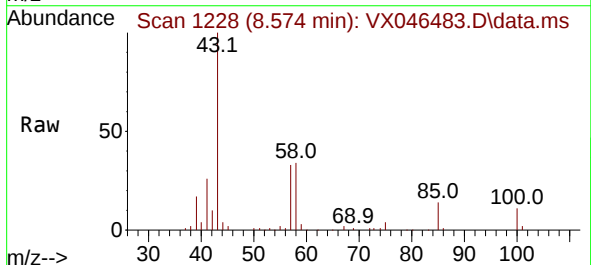
Manual Integrations
APPROVED

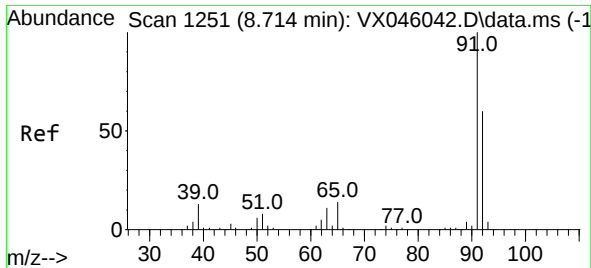
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#51
4-Methyl-2-Pentanone
Concen: 25.224 ug/l m
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

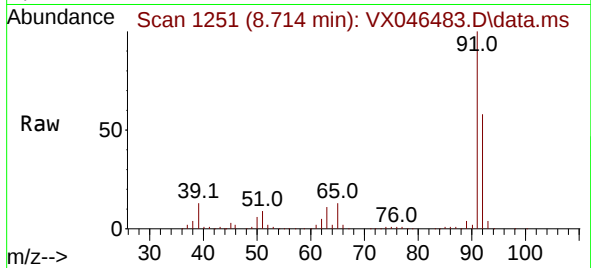
Tgt Ion: 43 Resp: 36192
Ion Ratio Lower Upper
43 100
58 0.0 28.9 43.3#





#52
Toluene
Concen: 453.539 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

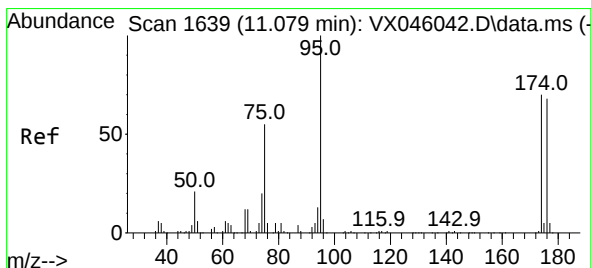
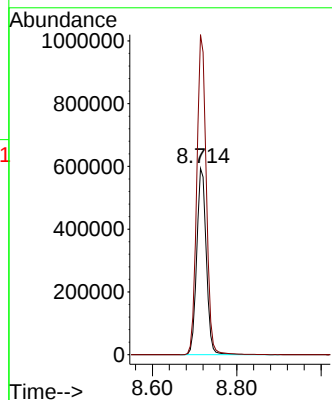
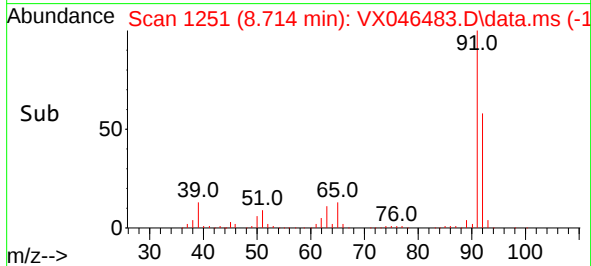
Instrument :
MSVOA_X
ClientSampleId :
C2



Tgt Ion: 92 Resp: 93418
Ion Ratio Lower Upper
92 100
91 171.2 136.6 205.0

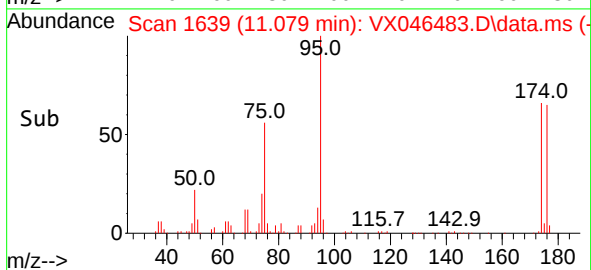
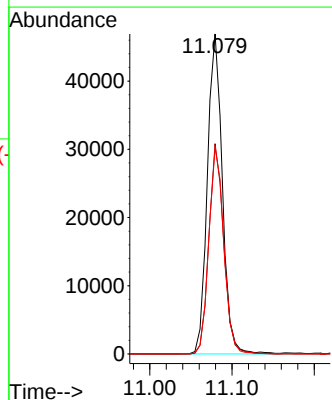
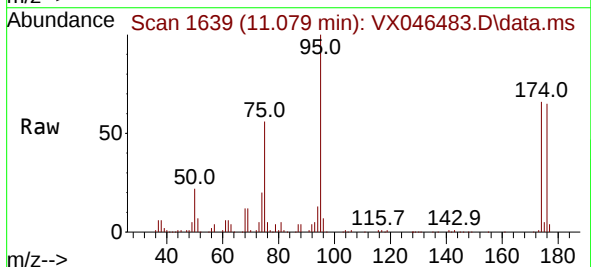
Manual Integrations
APPROVED

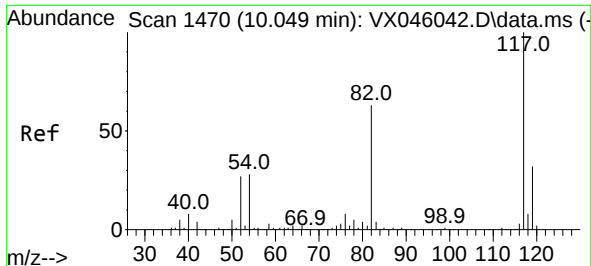
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#62
4-Bromofluorobenzene
Concen: 52.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Tgt Ion: 95 Resp: 59483
Ion Ratio Lower Upper
95 100
174 64.9 0.0 135.8
176 64.3 0.0 131.4





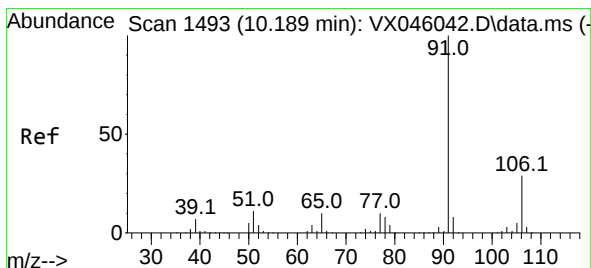
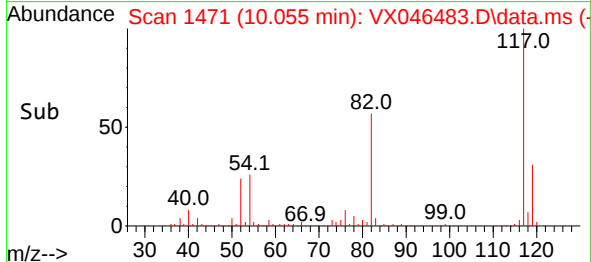
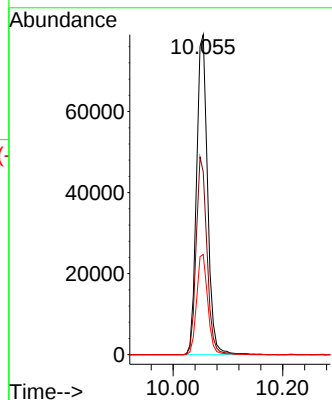
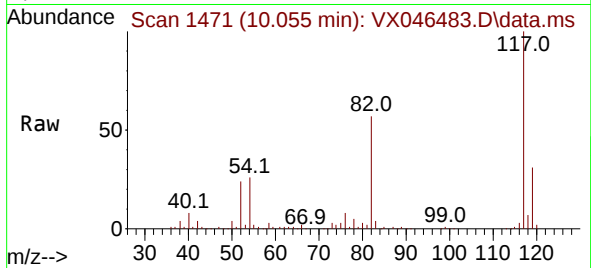
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Instrument :
MSVOA_X
ClientSampleId :
C2

Tgt Ion:117 Resp: 111114
Ion Ratio Lower Upper
117 100
82 57.1 50.6 76.0
119 31.3 25.8 38.6

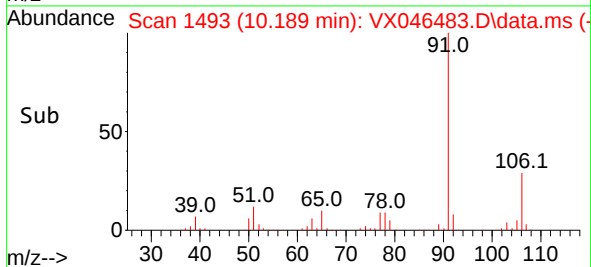
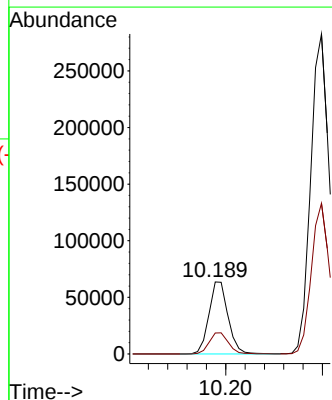
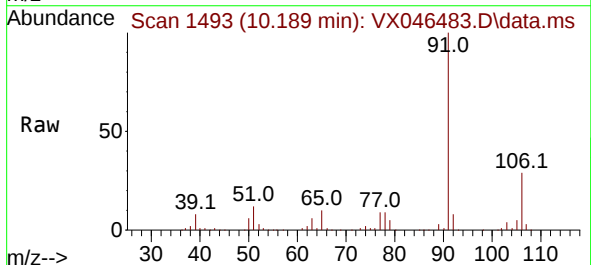
Manual Integrations
APPROVED

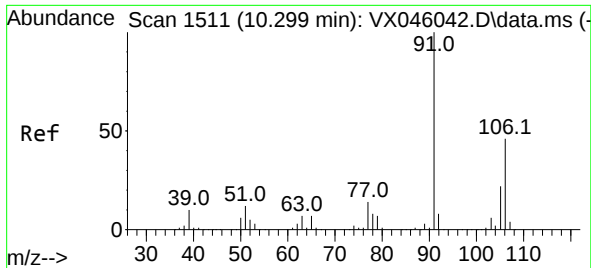
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#67
Ethyl Benzene
Concen: 20.424 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Tgt Ion: 91 Resp: 87558
Ion Ratio Lower Upper
91 100
106 29.1 23.4 35.2





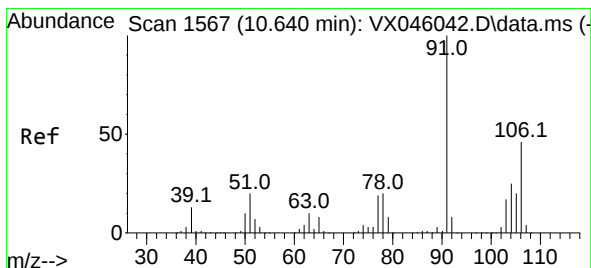
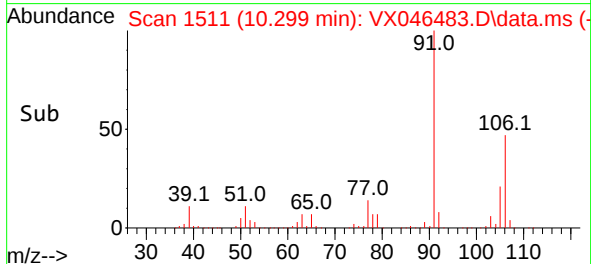
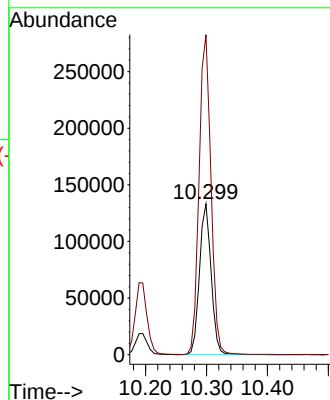
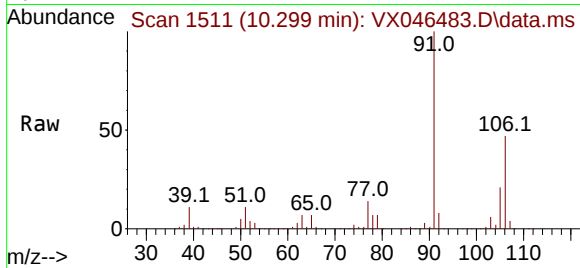
#68
m/p-Xylenes
Concen: 112.336 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Instrument :
MSVOA_X
ClientSampleId :
C2

Tgt Ion:106 Resp: 176130
Ion Ratio Lower Upper
106 100
91 216.7 171.2 256.8

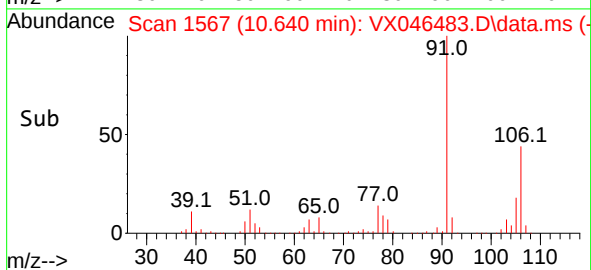
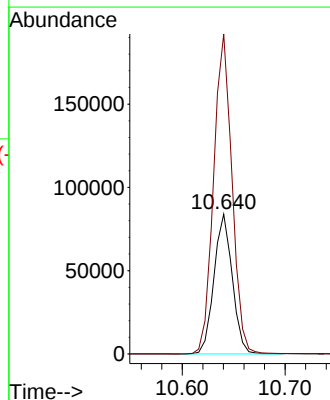
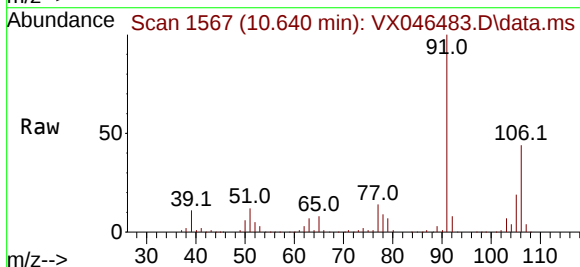
Manual Integrations
APPROVED

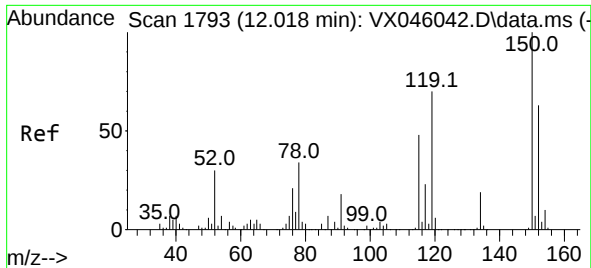
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#69
o-Xylene
Concen: 67.710 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

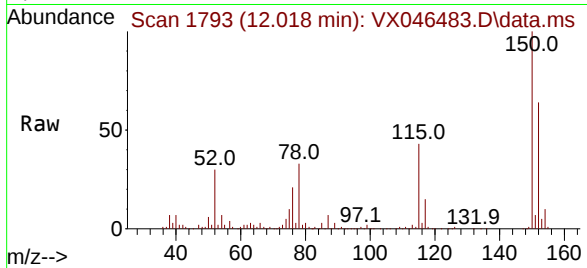
Tgt Ion:106 Resp: 103501
Ion Ratio Lower Upper
106 100
91 230.8 112.7 338.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

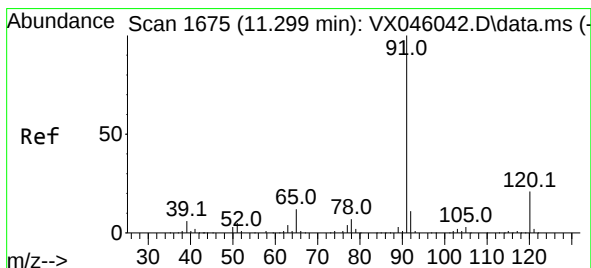
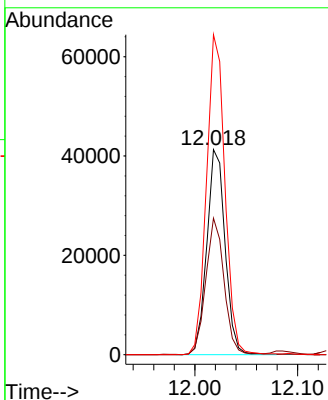
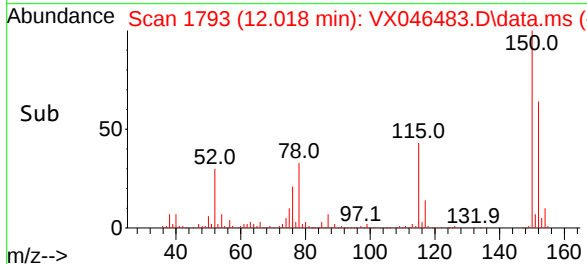
Instrument :
MSVOA_X
ClientSampleId :
C2



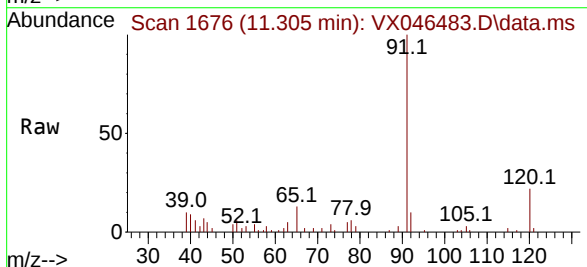
Tgt Ion:152 Resp: 51092
Ion Ratio Lower Upper
152 100
115 66.5 46.9 140.7
150 156.6 0.0 351.0

Manual Integrations
APPROVED

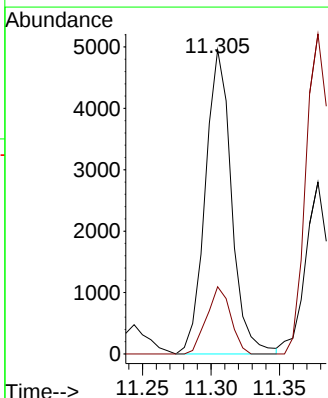
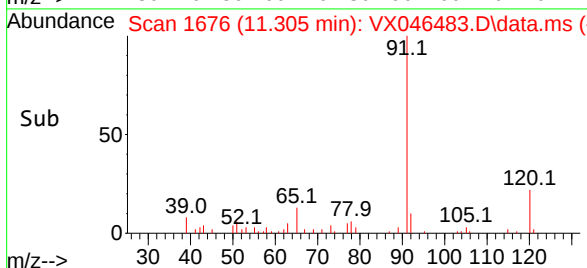
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

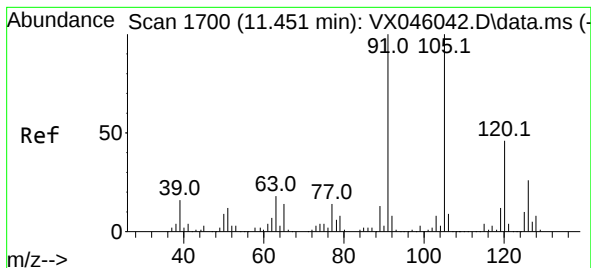


#78
n-propylbenzene
Concen: 1.426 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15



Tgt Ion: 91 Resp: 6596
Ion Ratio Lower Upper
91 100
120 20.2 10.8 32.4





#80

1,3,5-Trimethylbenzene

Concen: 5.848 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046483.D

Acq: 03 Jun 2025 19:15

Instrument :

MSVOA_X

ClientSampleId :

C2

Tgt Ion:105 Resp: 1943

Ion Ratio Lower Upper

105 100

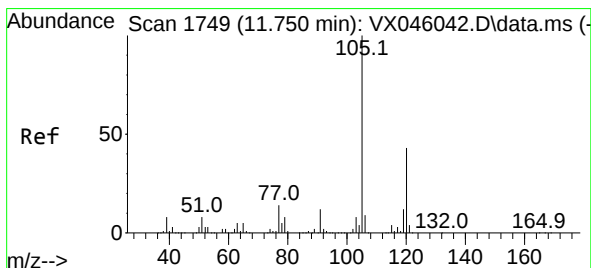
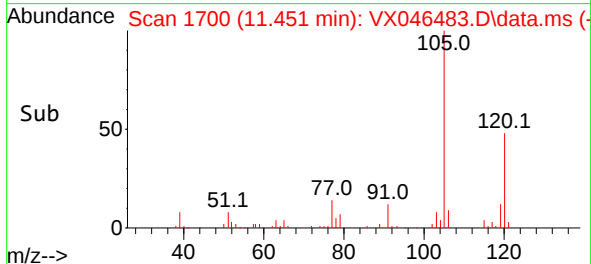
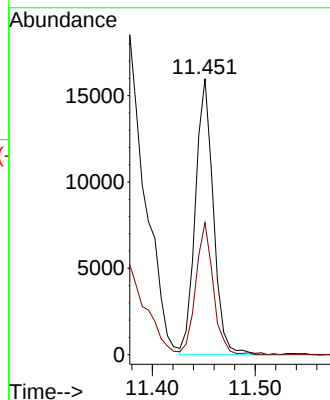
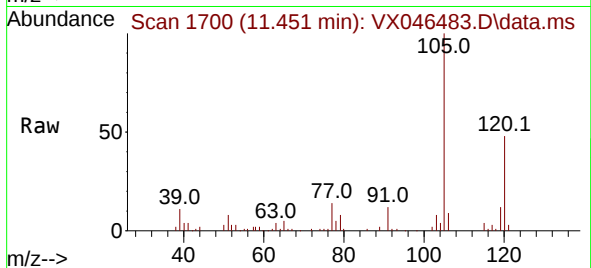
120 46.4 23.1 69.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#84

1,2,4-Trimethylbenzene

Concen: 23.923 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046483.D

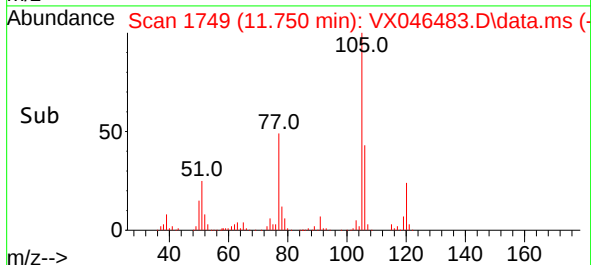
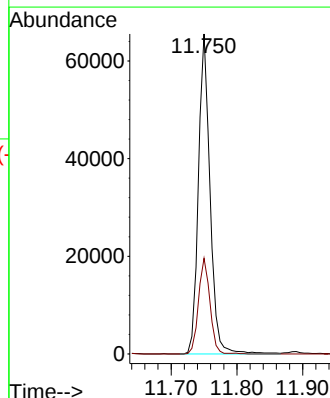
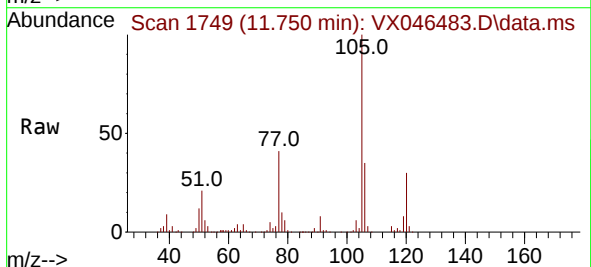
Acq: 03 Jun 2025 19:15

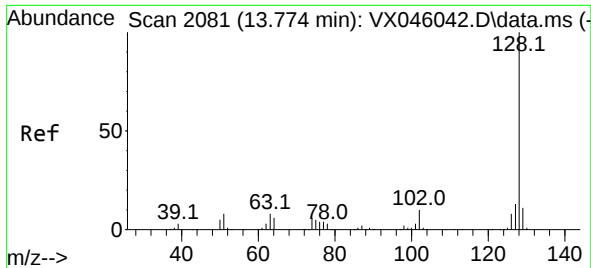
Tgt Ion:105 Resp: 80506

Ion Ratio Lower Upper

105 100

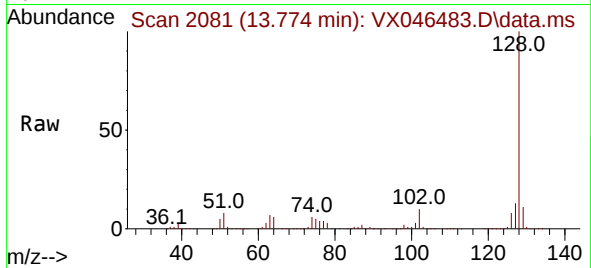
120 29.4 21.2 63.6





#95
Naphthalene
Concen: 111.288 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046483.D
Acq: 03 Jun 2025 19:15

Instrument :
MSVOA_X
ClientSampleId :
C2



Tgt Ion:128 Resp: 396489
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

