

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046252.D
 Acq On : 16 May 2025 18:49
 Operator : JC/MD
 Sample : Q2067-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-FRAC

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 16 23:10:23 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	62007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121611	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62486	54.053	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.100%			
35) Dibromofluoromethane	5.385	113	46053	52.588	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.180%			
50) Toluene-d8	8.647	98	160629	52.995	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.000%			
62) 4-Bromofluorobenzene	11.079	95	63600	54.703	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.400%			
Target Compounds					Qvalue	
16) Acetone	2.386	43	22330	48.176	ug/l	98
17) Carbon Disulfide	2.508	76	7584	4.351	ug/l	96
18) Methyl Acetate	2.703	43	1140	1.060	ug/l #	82
20) Methylene Chloride	2.782	84	538	0.606	ug/l #	91
25) 2-Butanone	4.574	43	14345	21.318	ug/l	92
39) Methylcyclohexane	7.373	83	907	0.599	ug/l	90
40) Benzene	6.031	78	9044	2.624	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	255574	173.611	ug/l	98
52) Toluene	8.714	92	96215	45.528	ug/l	99
67) Ethyl Benzene	10.195	91	52095	11.441	ug/l	98
68) m/p-Xylenes	10.299	106	75666	45.435	ug/l	99
69) o-Xylene	10.640	106	44125	27.178	ug/l	97
73) Isopropylbenzene	10.963	105	6045	1.368	ug/l	93
78) n-propylbenzene	11.305	91	15908	3.096	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	33767	9.145	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	148990	39.846	ug/l	100
85) sec-Butylbenzene	11.890	105	4007m	0.877	ug/l	
86) p-Isopropyltoluene	12.006	119	21680	5.752	ug/l	98
89) n-Butylbenzene	12.329	91	8773m	2.653	ug/l	

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

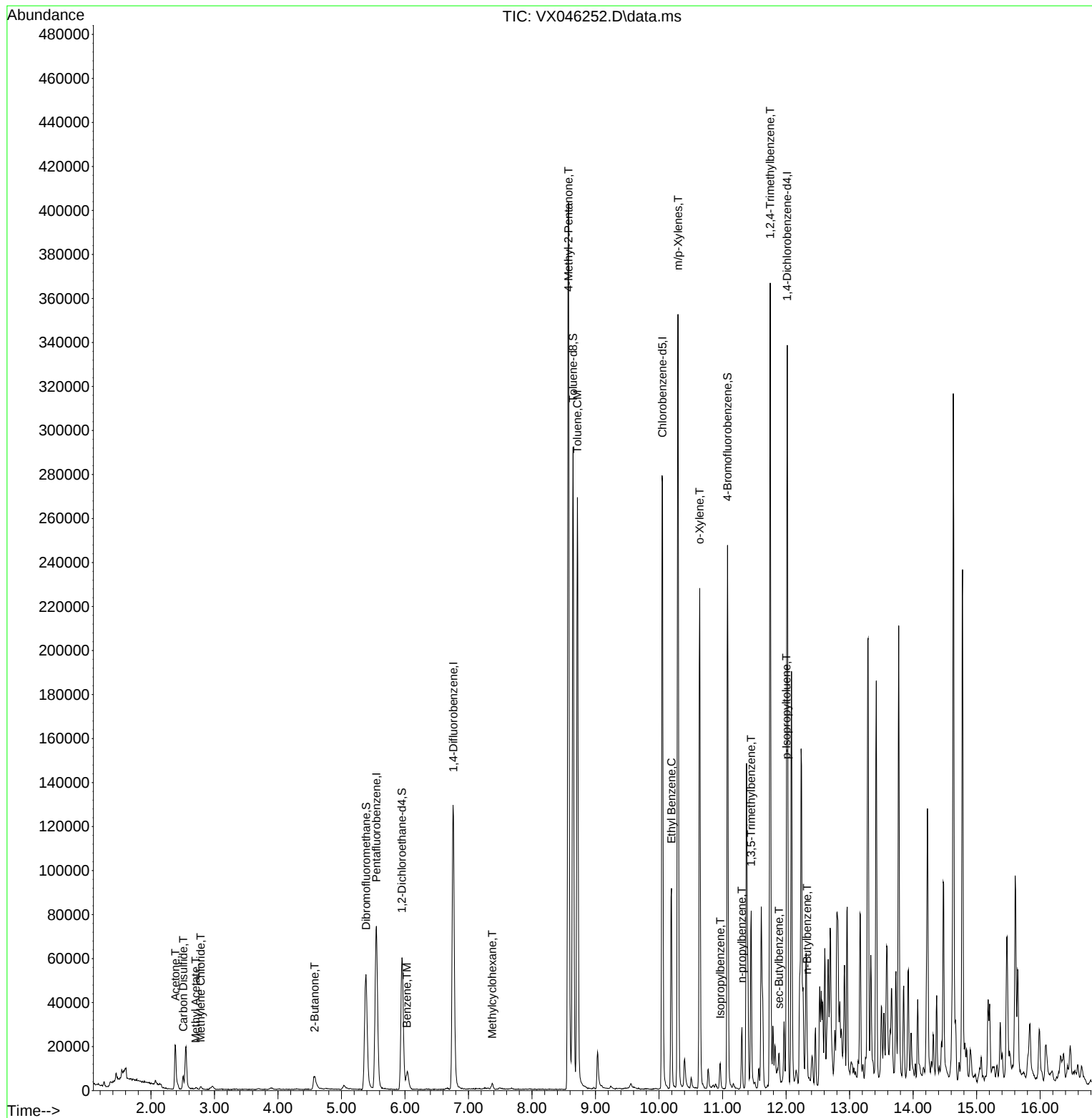
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





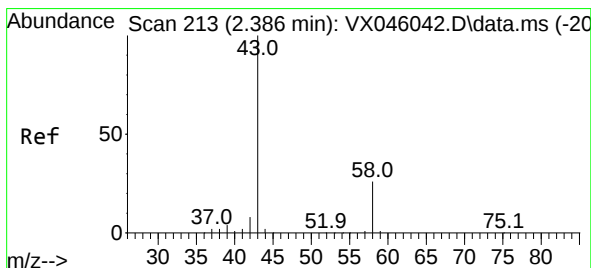
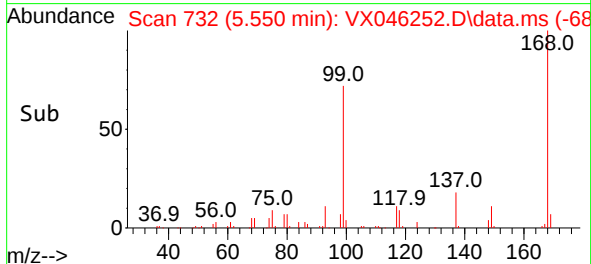
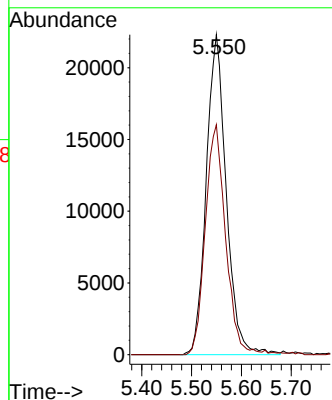
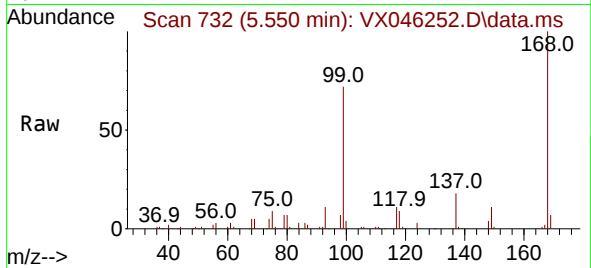
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-FRAC

Tgt Ion:168 Resp: 6200
Ion Ratio Lower Upper
168 100
99 71.8 54.9 82.3

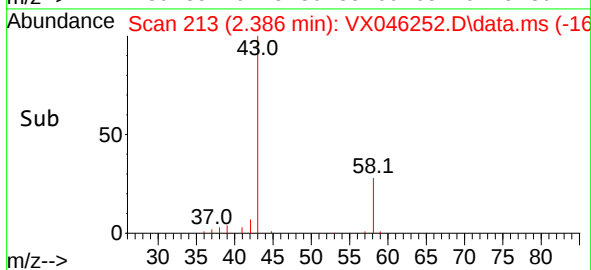
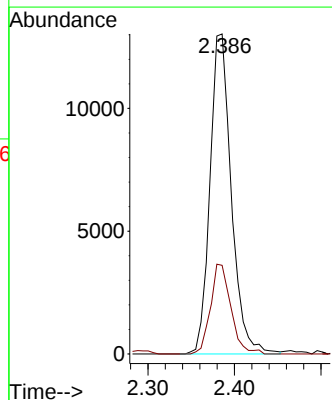
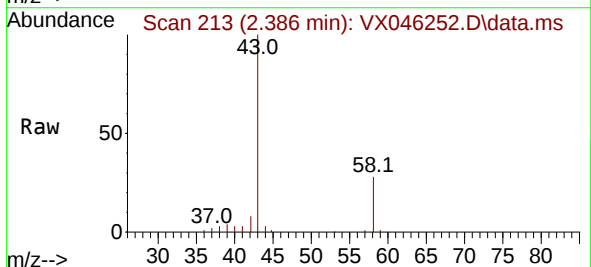
Manual Integrations
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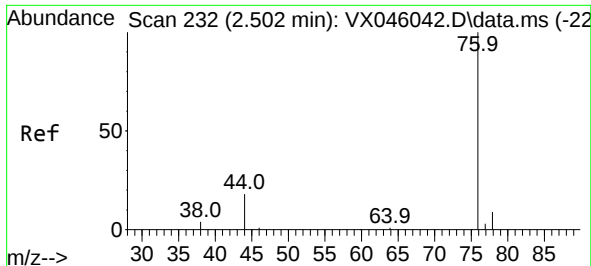
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#16
Acetone
Concen: 48.176 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Tgt Ion: 43 Resp: 22330
Ion Ratio Lower Upper
43 100
58 27.7 21.2 31.8





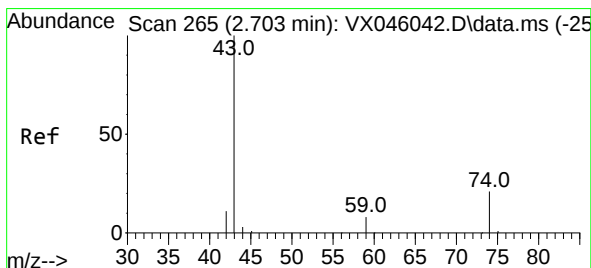
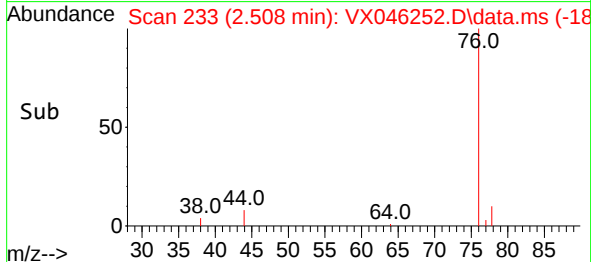
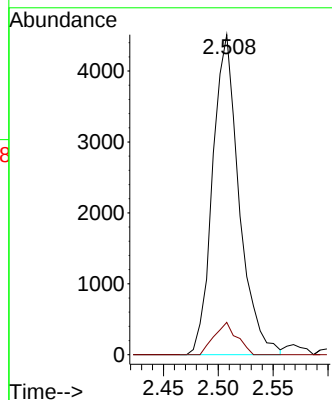
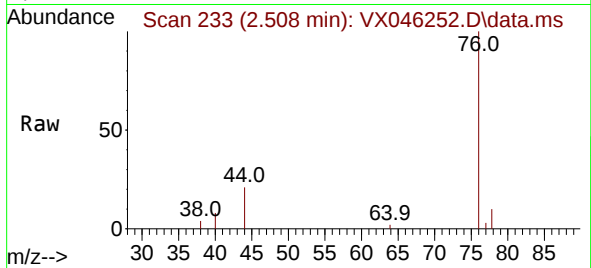
#17
Carbon Disulfide
Concen: 4.351 ug/l
RT: 2.508 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-FRAC

Tgt Ion: 76 Resp: 7584
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.4

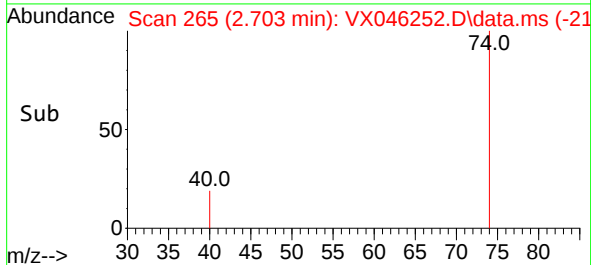
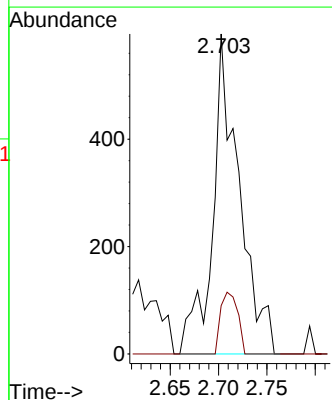
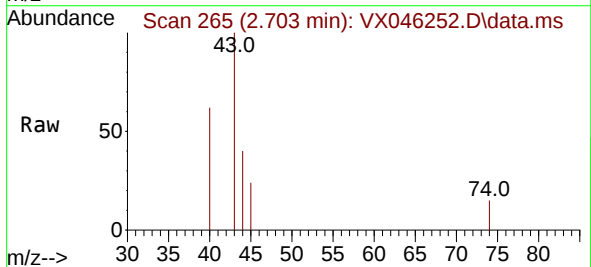
Manual Integrations
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Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#18
Methyl Acetate
Concen: 1.060 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

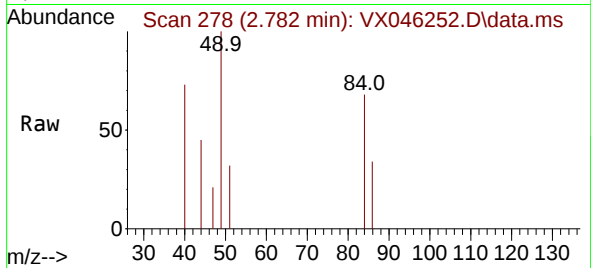
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
74 12.3 16.7 25.1#





#20
Methylene Chloride
Concen: 0.606 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

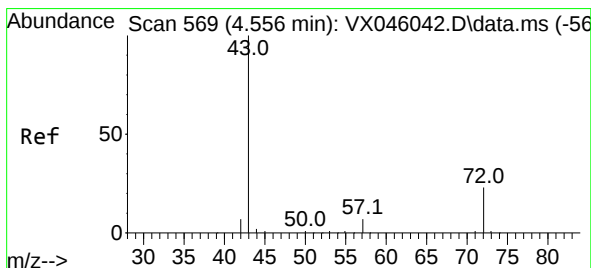
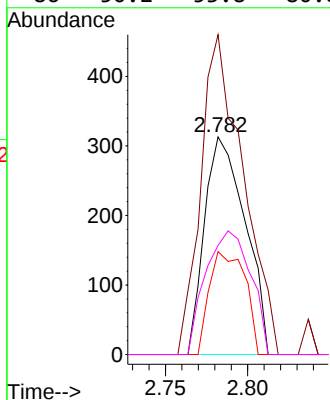
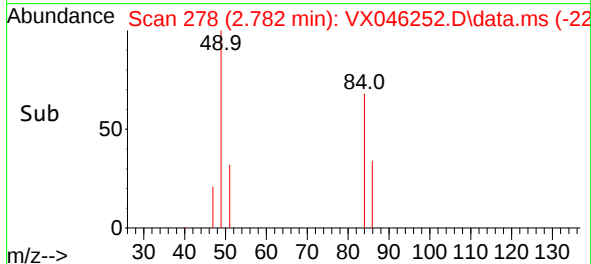
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-FRAC



Tgt Ion: 84 Resp: 538
Ion Ratio Lower Upper
84 100
49 147.0 113.9 170.9
51 47.3 33.5 50.3
86 50.2 53.8 80.8#

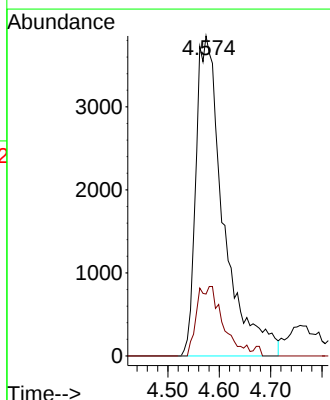
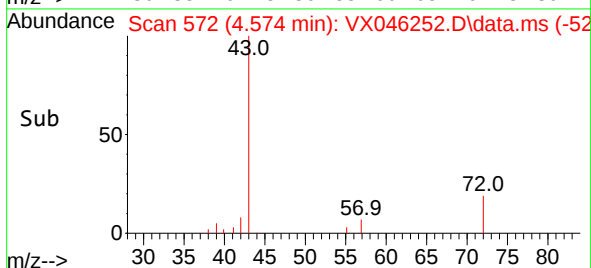
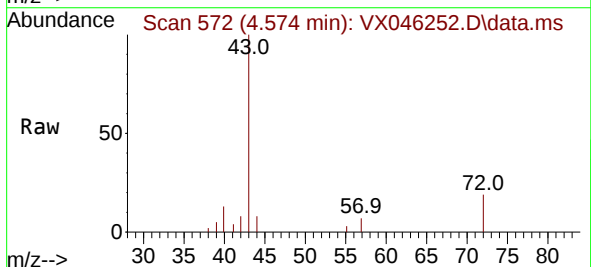
Manual Integrations
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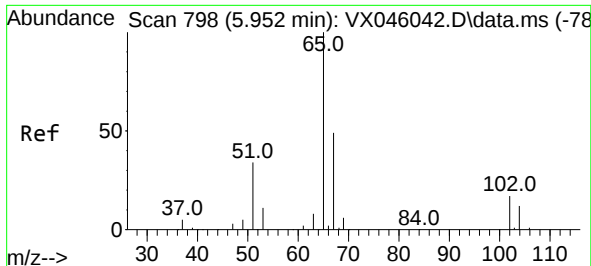
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#25
2-Butanone
Concen: 21.318 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Tgt Ion: 43 Resp: 14345
Ion Ratio Lower Upper
43 100
72 19.4 18.4 27.6





#33

1,2-Dichloroethane-d4

Concen: 54.053 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046252.D

Acq: 16 May 2025 18:49

Instrument :

MSVOA_X

ClientSampleId :

303-PPR-FRAC

Tgt Ion: 65 Resp: 62480

Ion Ratio Lower Upper

65 100

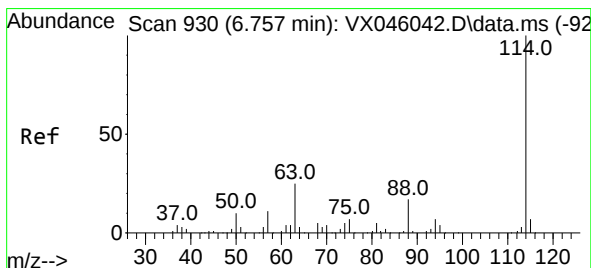
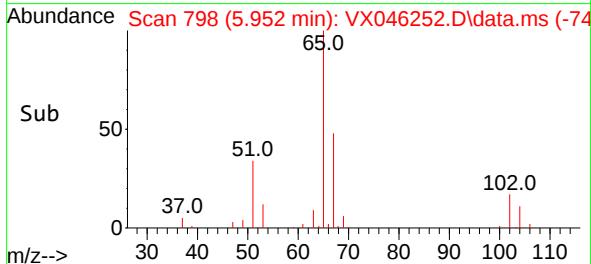
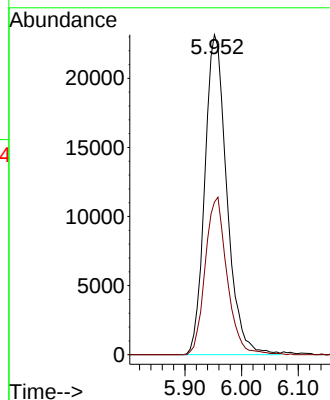
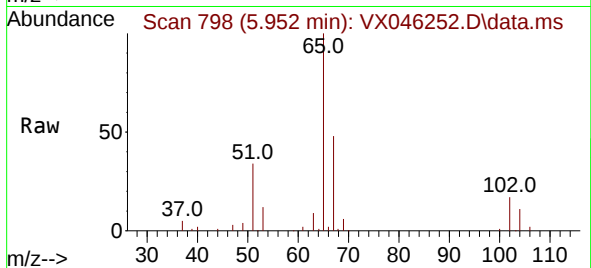
67 49.0 0.0 99.0

Manual Integrations

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Supervised By :Mahesh Dadoda 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX046252.D

Acq: 16 May 2025 18:49

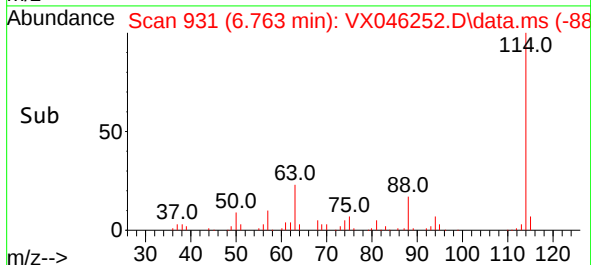
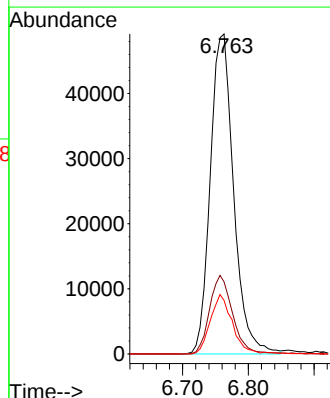
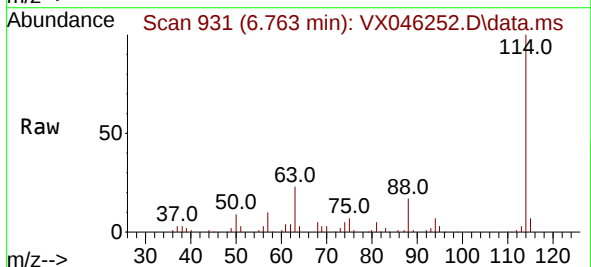
Tgt Ion:114 Resp: 121611

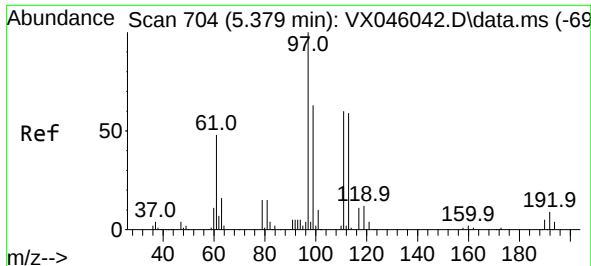
Ion Ratio Lower Upper

114 100

63 22.5 0.0 49.2

88 16.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.588 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046252.D

Acq: 16 May 2025 18:49

Instrument :

MSVOA_X

ClientSampleId :

303-PPR-FRAC

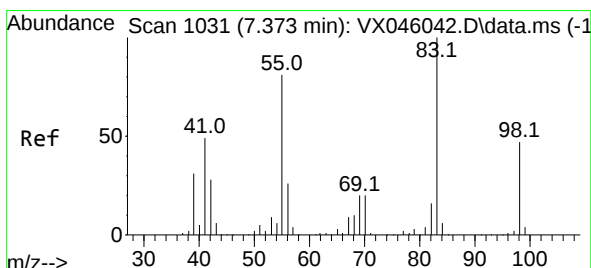
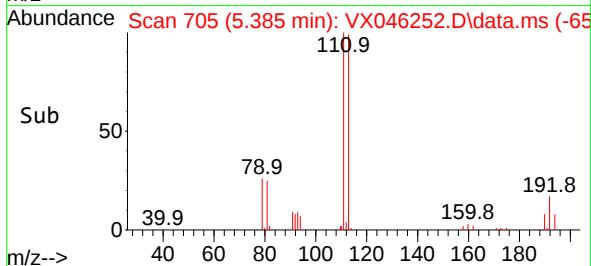
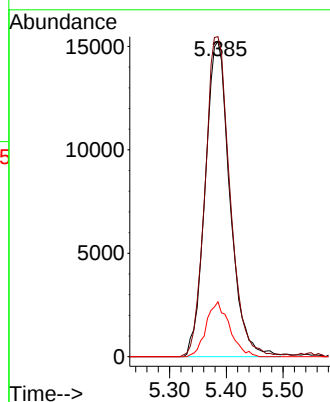
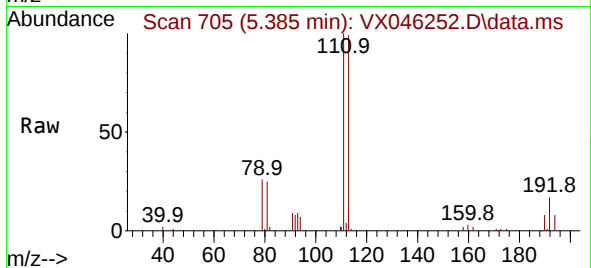
Tgt Ion:	113	Resp:	4605
Ion Ratio	Lower	Upper	
113	100		
111	102.6	83.1	124.7
192	16.6	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#39

Methylcyclohexane

Concen: 0.599 ug/l

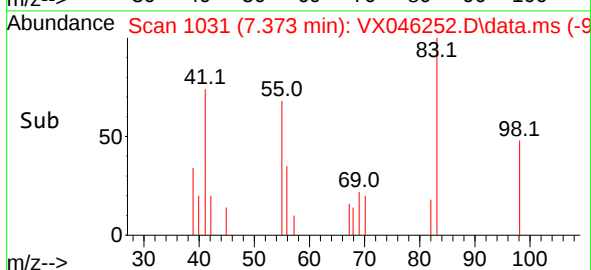
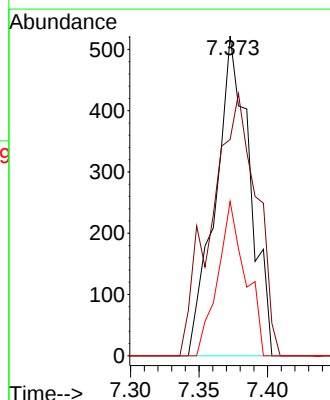
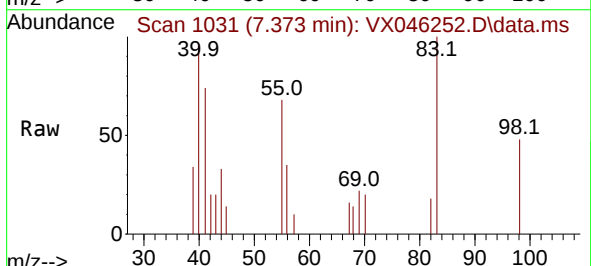
RT: 7.373 min Scan# 1031

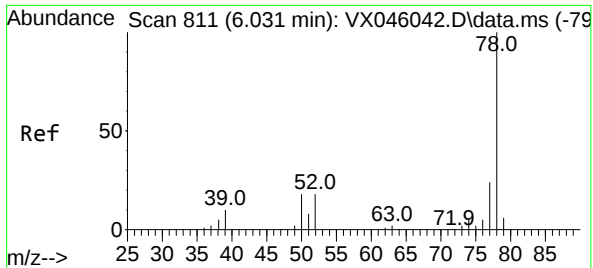
Delta R.T. -0.000 min

Lab File: VX046252.D

Acq: 16 May 2025 18:49

Tgt Ion:	83	Resp:	907
Ion Ratio	Lower	Upper	
83	100		
55	67.6	64.7	97.1
98	48.3	37.4	56.2





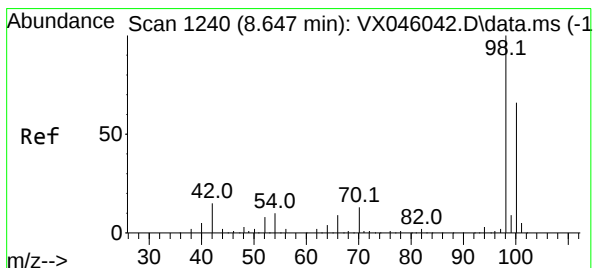
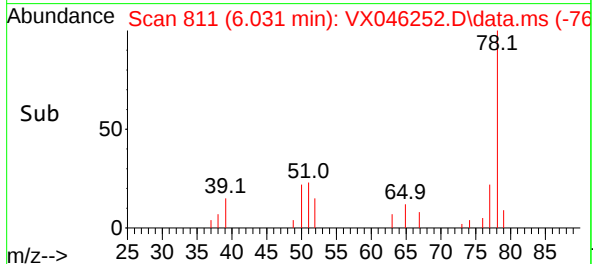
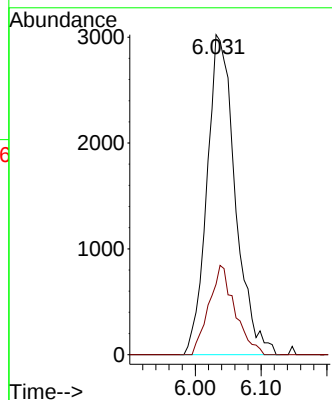
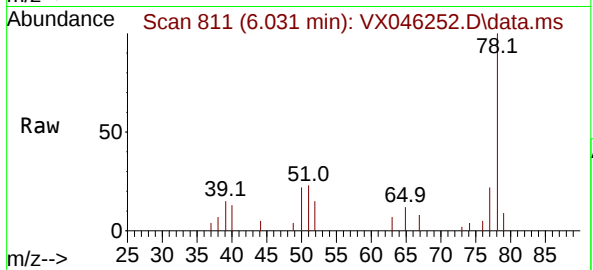
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Benzene
Concen: 2.624 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-FRAC

Tgt Ion: 78 Resp: 904
Ion Ratio Lower Upper
78 100
77 22.0 19.0 28.4

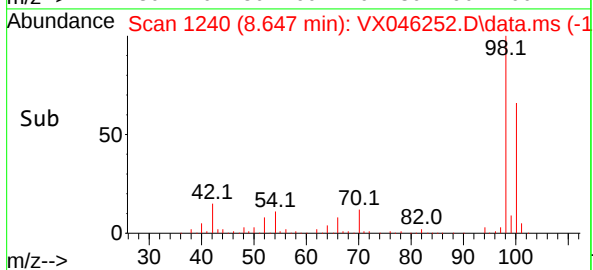
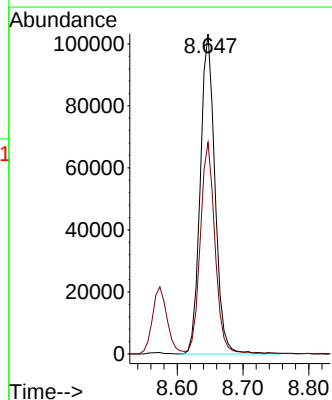
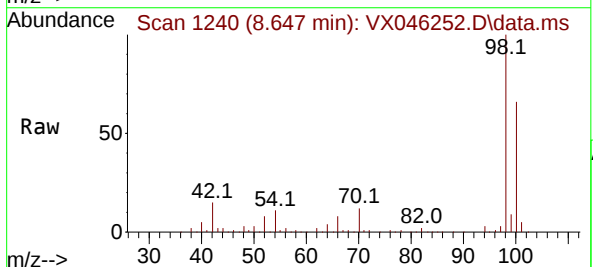
Manual Integrations
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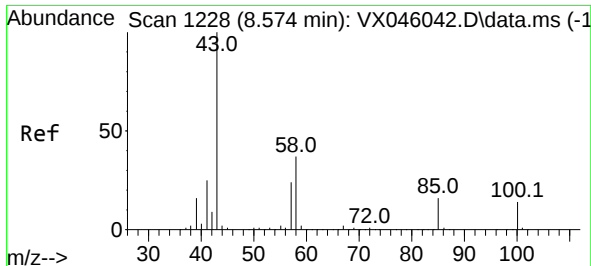
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#50
Toluene-d8
Concen: 52.995 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Tgt Ion: 98 Resp: 160629
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3





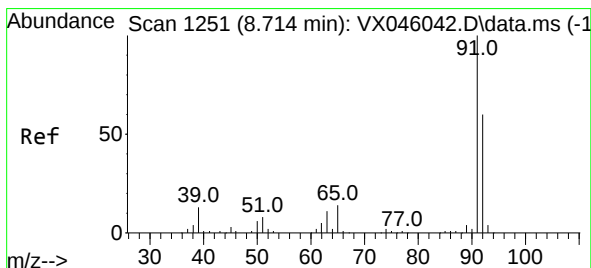
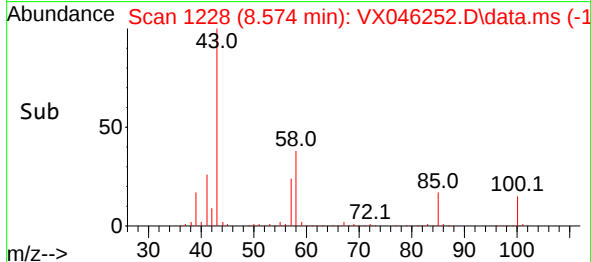
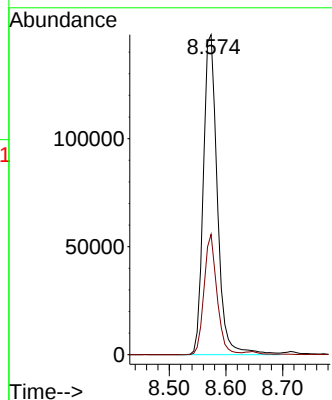
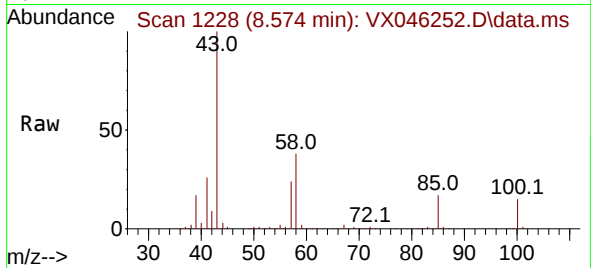
#51
4-Methyl-2-Pentanone
Concen: 173.611 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-FRAC

Tgt Ion: 43 Resp: 255574
Ion Ratio Lower Upper
43 100
58 34.8 28.9 43.3

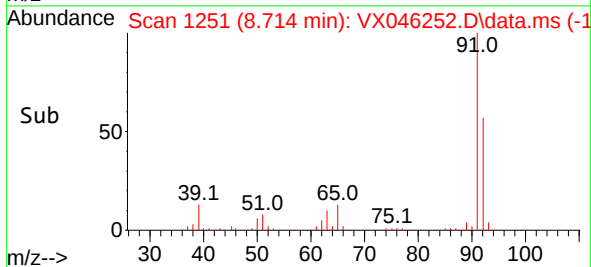
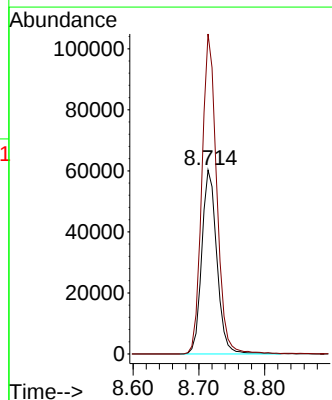
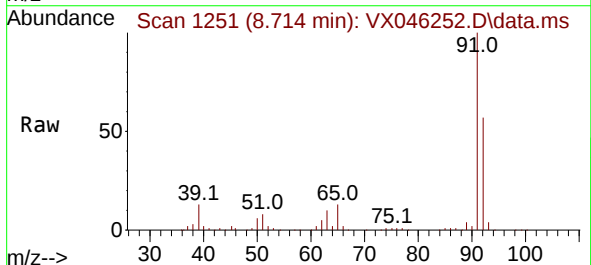
Manual Integrations
APPROVED

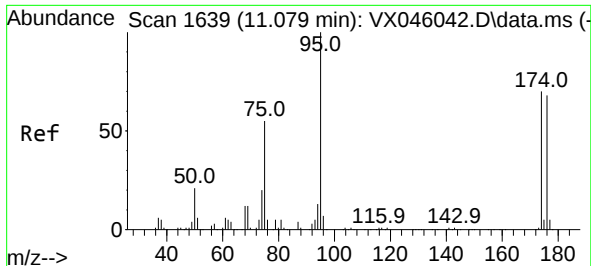
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
Toluene
Concen: 45.528 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

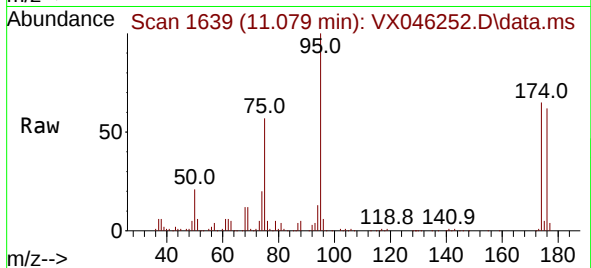
Tgt Ion: 92 Resp: 96215
Ion Ratio Lower Upper
92 100
91 171.6 136.6 205.0





#62
4-Bromofluorobenzene
Concen: 54.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

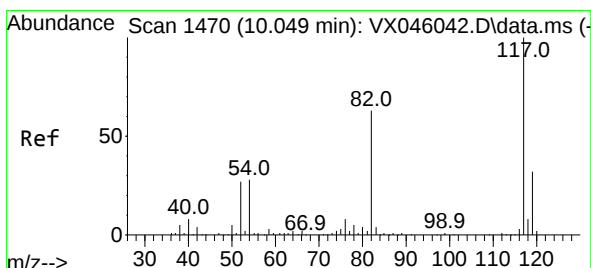
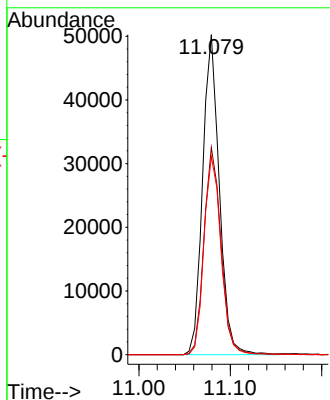
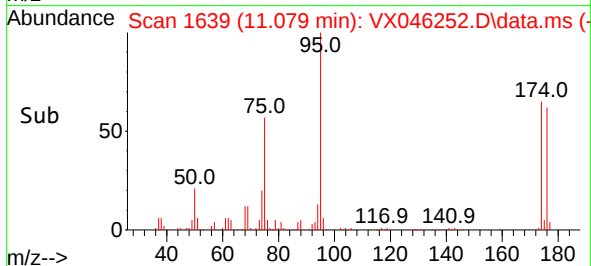
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-FRAC



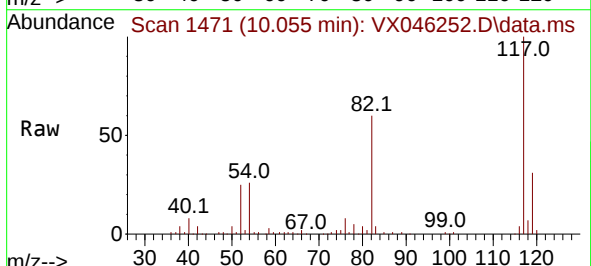
Tgt Ion: 95 Resp: 63600
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.8
176 63.5 0.0 131.4

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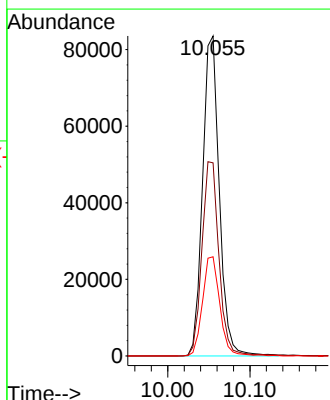
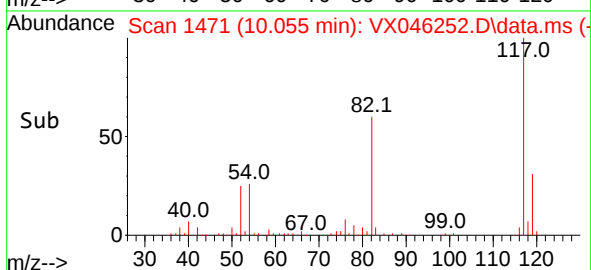
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

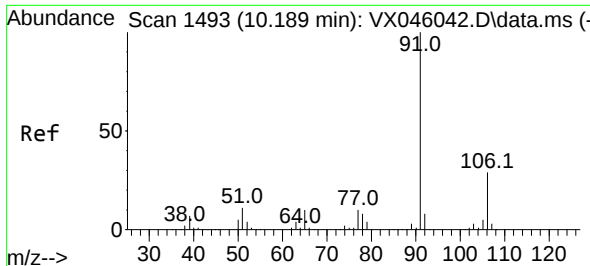


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49



Tgt Ion:117 Resp: 118018
Ion Ratio Lower Upper
117 100
82 60.3 50.6 76.0
119 31.0 25.8 38.6





#67

Ethyl Benzene

Concen: 11.441 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046252.D

Acq: 16 May 2025 18:49

Instrument :

MSVOA_X

ClientSampleId :

303-PPR-FRAC

Tgt Ion: 91 Resp: 52095

Ion Ratio Lower Upper

91 100

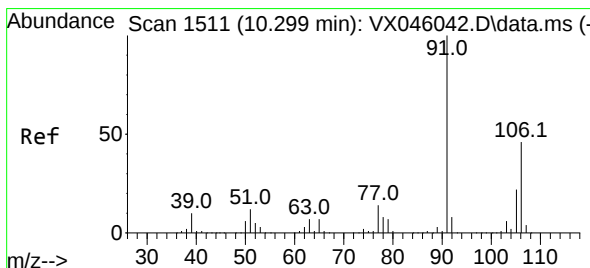
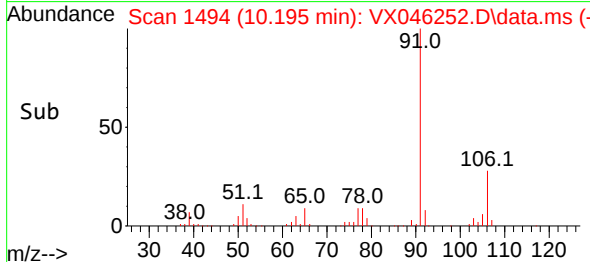
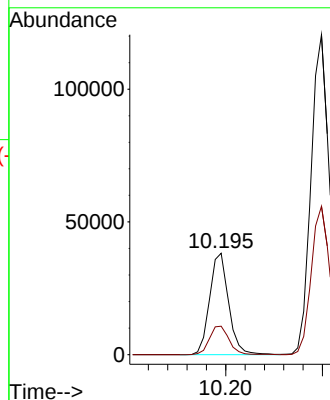
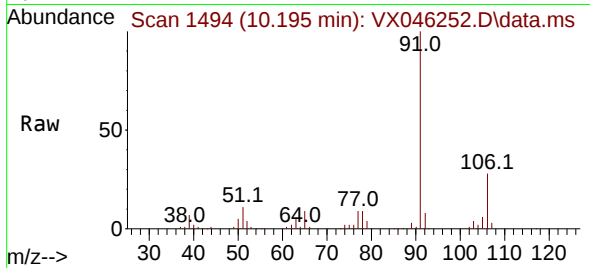
106 28.1 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#68

m/p-Xylenes

Concen: 45.435 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046252.D

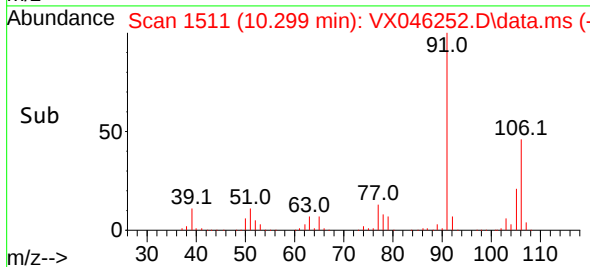
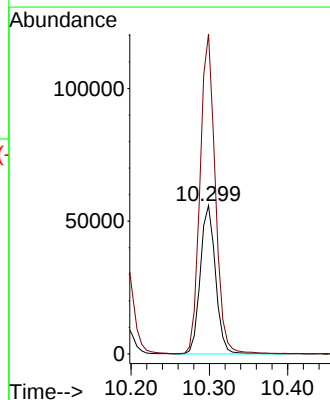
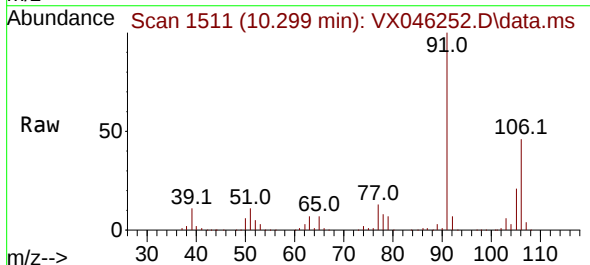
Acq: 16 May 2025 18:49

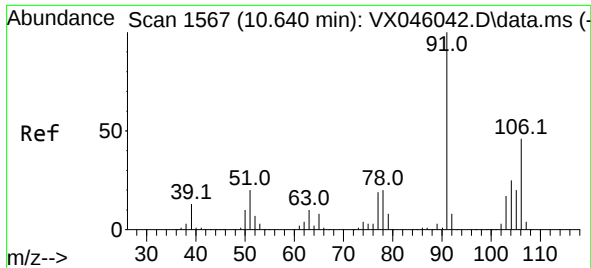
Tgt Ion:106 Resp: 75666

Ion Ratio Lower Upper

106 100

91 215.5 171.2 256.8





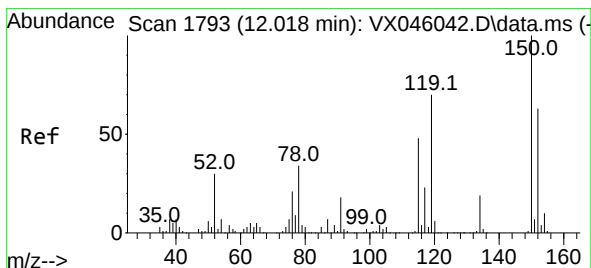
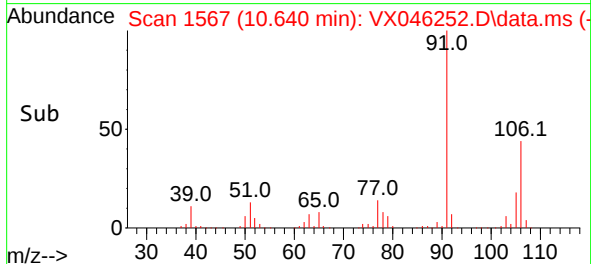
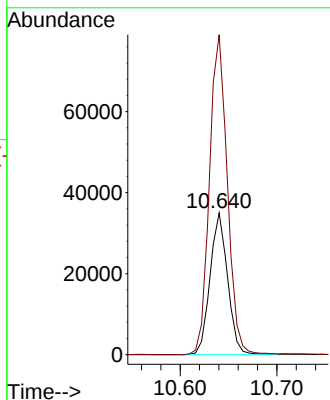
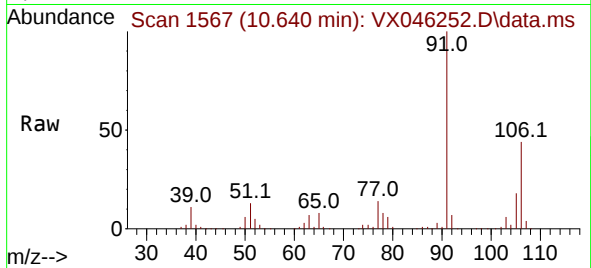
#69
o-Xylene
Concen: 27.178 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-FRAC

Tgt Ion:106 Resp: 4412
Ion Ratio Lower Upper
106 100
91 230.4 112.7 338.1

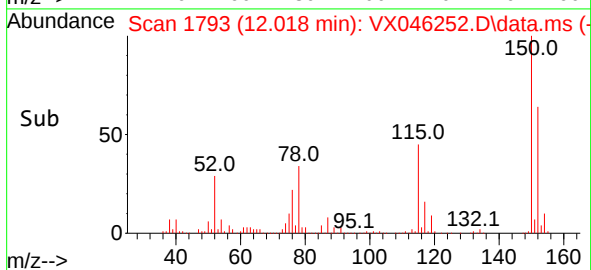
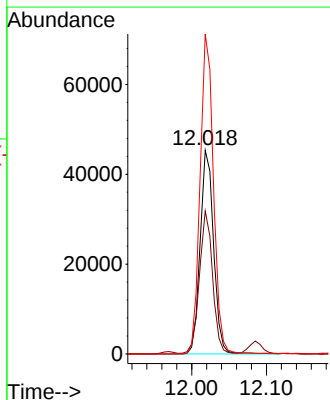
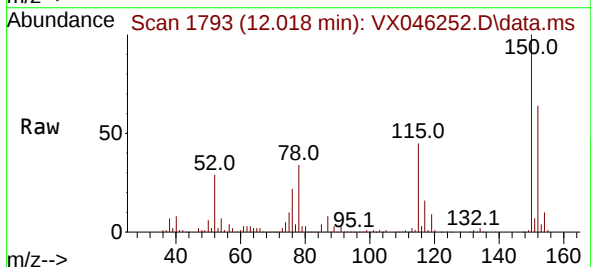
Manual Integrations
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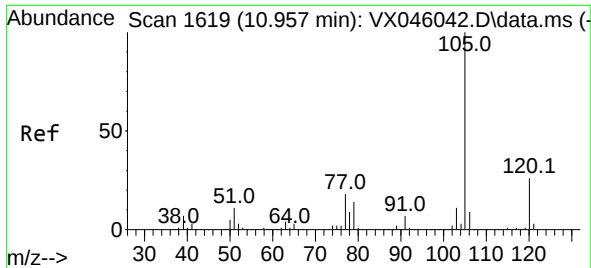
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Tgt Ion:152 Resp: 56770
Ion Ratio Lower Upper
152 100
115 67.8 46.9 140.7
150 155.7 0.0 351.0





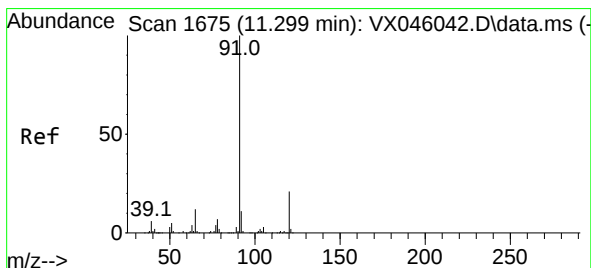
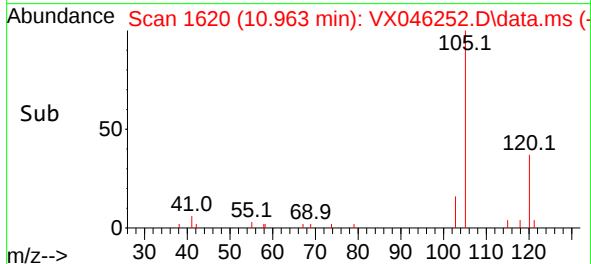
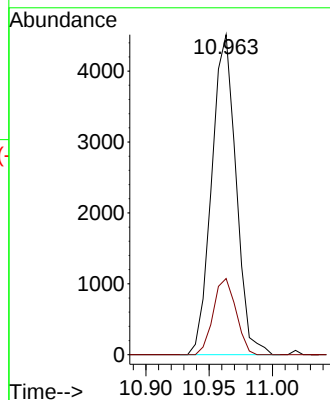
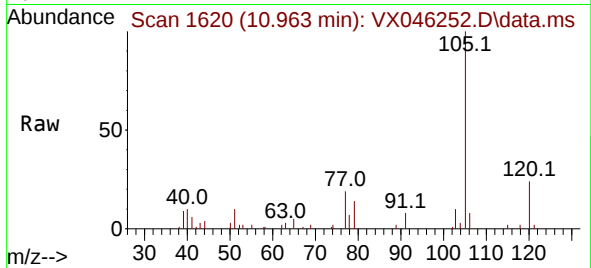
#73
Isopropylbenzene
Concen: 1.368 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-FRAC

Tgt Ion:105 Resp: 6049
Ion Ratio Lower Upper
105 100
120 22.2 12.8 38.4

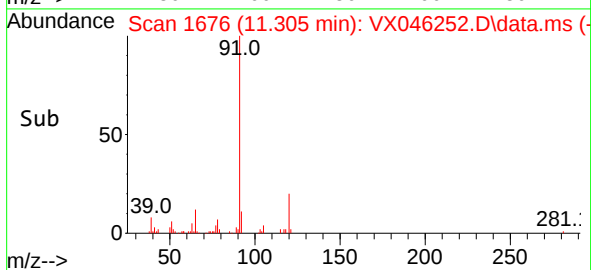
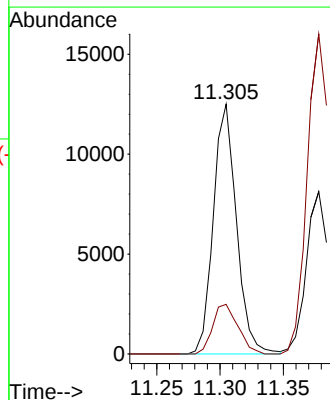
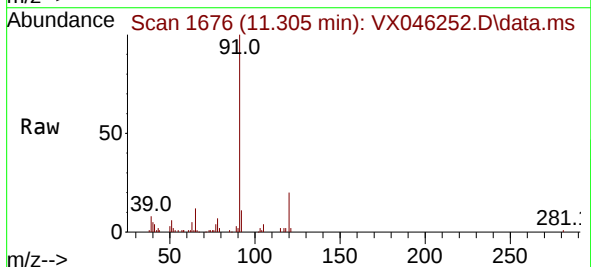
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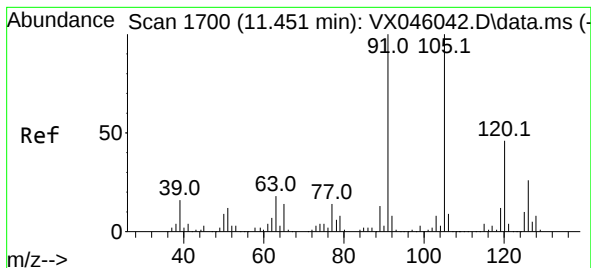
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#78
n-propylbenzene
Concen: 3.096 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

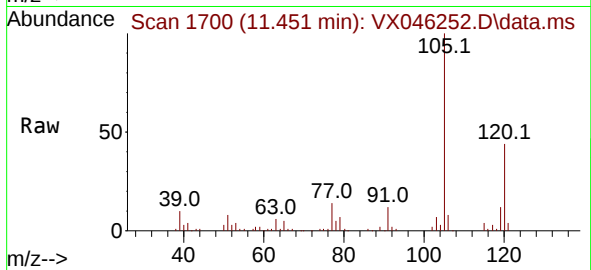
Tgt Ion: 91 Resp: 15908
Ion Ratio Lower Upper
91 100
120 21.7 10.8 32.4





#80
1,3,5-Trimethylbenzene
Concen: 9.145 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49

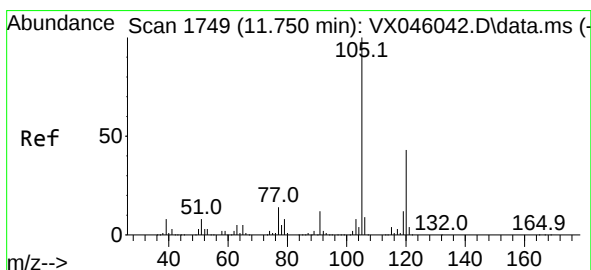
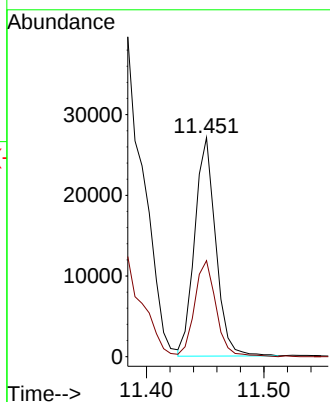
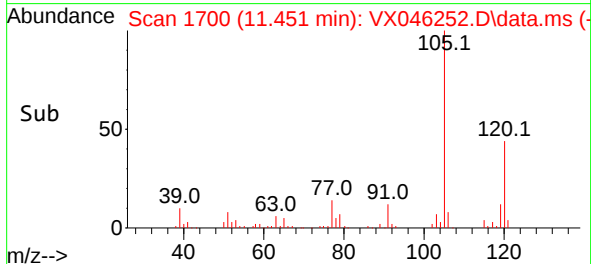
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-FRAC



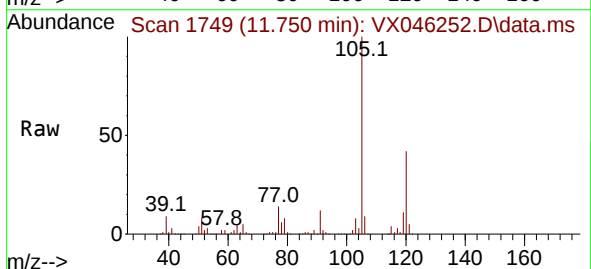
Tgt Ion:105 Resp: 3376
Ion Ratio Lower Upper
105 100
120 44.8 23.1 69.2

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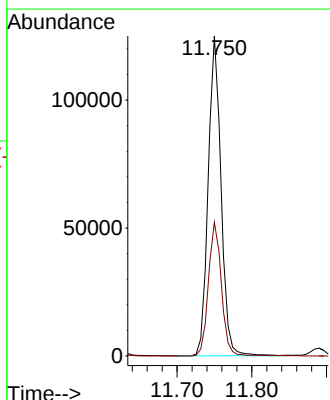
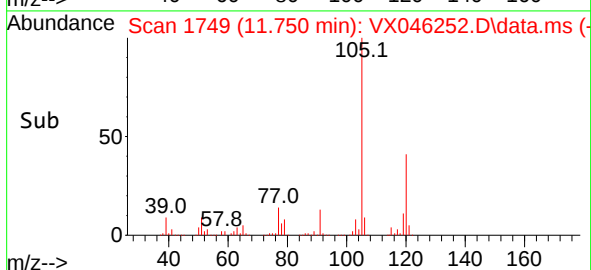
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

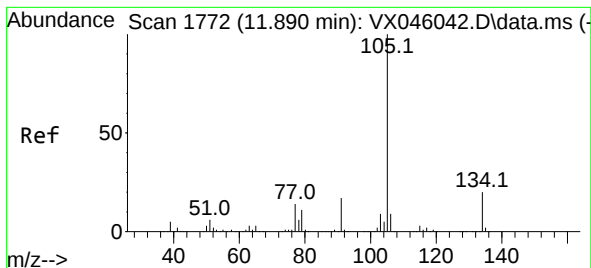


#84
1,2,4-Trimethylbenzene
Concen: 39.846 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046252.D
Acq: 16 May 2025 18:49



Tgt Ion:105 Resp: 148990
Ion Ratio Lower Upper
105 100
120 42.4 21.2 63.6





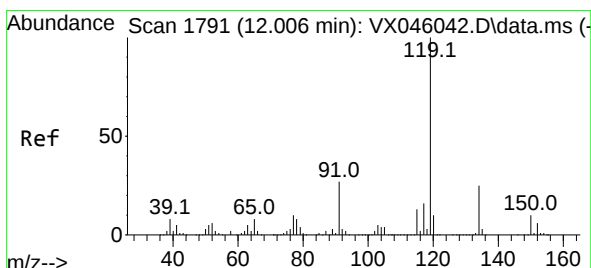
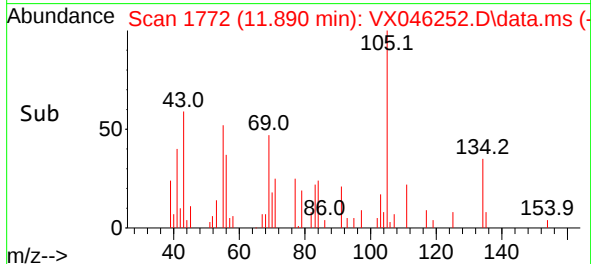
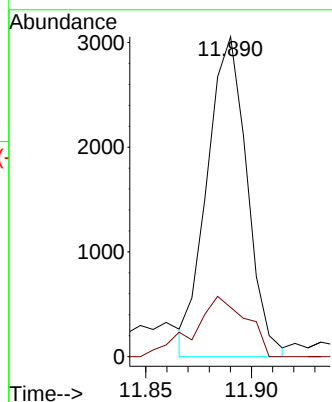
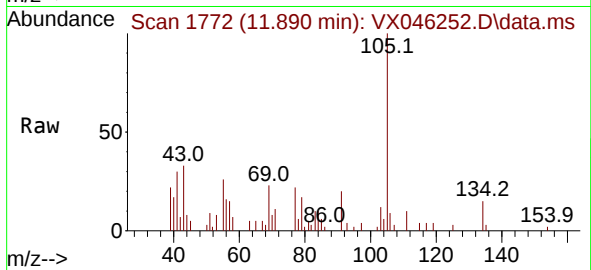
#85
 sec-Butylbenzene
 Concen: 0.877 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX046252.D
 Acq: 16 May 2025 18:49

Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-FRAC

Tgt Ion:105 Resp: 400
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1

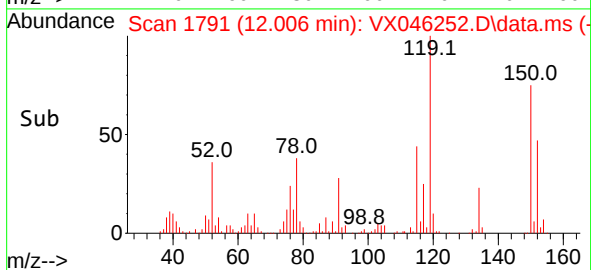
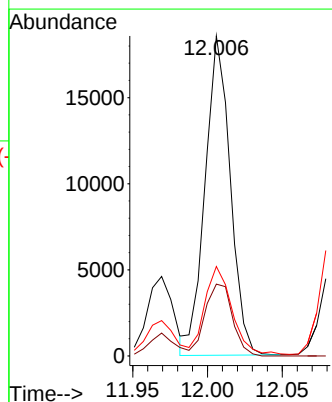
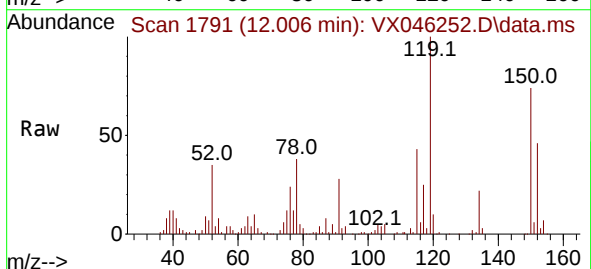
Manual Integrations
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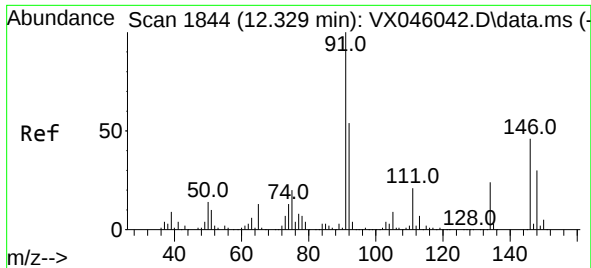
Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025



#86
 p-Isopropyltoluene
 Concen: 5.752 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX046252.D
 Acq: 16 May 2025 18:49

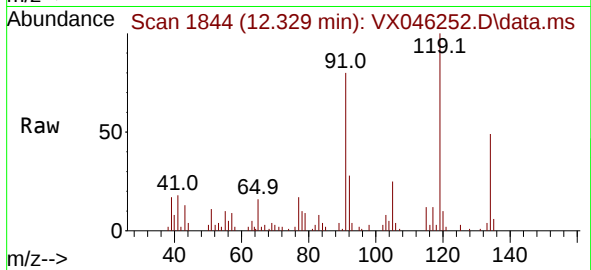
Tgt Ion:119 Resp: 21680
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.5 37.5
 91 29.2 13.8 41.4





#89
 n-Butylbenzene
 Concen: 2.653 ug/l m
 RT: 12.329 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: VX046252.D
 Acq: 16 May 2025 18:49

Instrument : MSVOA_X
 ClientSampleId : 303-PPR-FRAC



Tgt Ion: 91	Resp: 877
Ion Ratio	Lower Upper
91	100
92	0.0 26.9 80.7
134	0.0 11.8 35.3

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025

