

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046945.D
 Acq On : 10 Jul 2025 15:26
 Operator : JC/MD
 Sample : Q2553-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AOC-203

Quant Time: Jul 11 01:31:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	394931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	673452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	623779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	297586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	259762	49.787	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.580%		
35) Dibromofluoromethane	5.397	113	218856	47.875	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.740%		
50) Toluene-d8	8.653	98	804116	49.856	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.720%		
62) 4-Bromofluorobenzene	11.079	95	310029	50.576	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.160%		
Target Compounds					Qvalue	
31) Cyclohexane	5.489	56	415511	55.714	ug/l #	95
39) Methylcyclohexane	7.385	83	445744	57.774	ug/l	95
40) Benzene	6.056	78	62304	3.340	ug/l	91
52) Toluene	8.732	92	4574	0.396	ug/l	100
67) Ethyl Benzene	10.195	91	3195246	138.347	ug/l	97
68) m/p-Xylenes	10.299	106	56792	6.526	ug/l	97
73) Isopropylbenzene	10.964	105	2130123	101.825	ug/l	100
78) n-propylbenzene	11.305	91	6327167	250.832	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	1726987	101.599	ug/l	100
83) tert-Butylbenzene	11.713	119	18026	1.027	ug/l	85
84) 1,2,4-Trimethylbenzene	11.750	105	2772389	161.364	ug/l	98
85) sec-Butylbenzene	11.890	105	389810	17.611	ug/l	95
86) p-Isopropyltoluene	12.006	119	54330	2.931	ug/l #	76
89) n-Butylbenzene	12.329	91	442426m	25.402	ug/l	

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

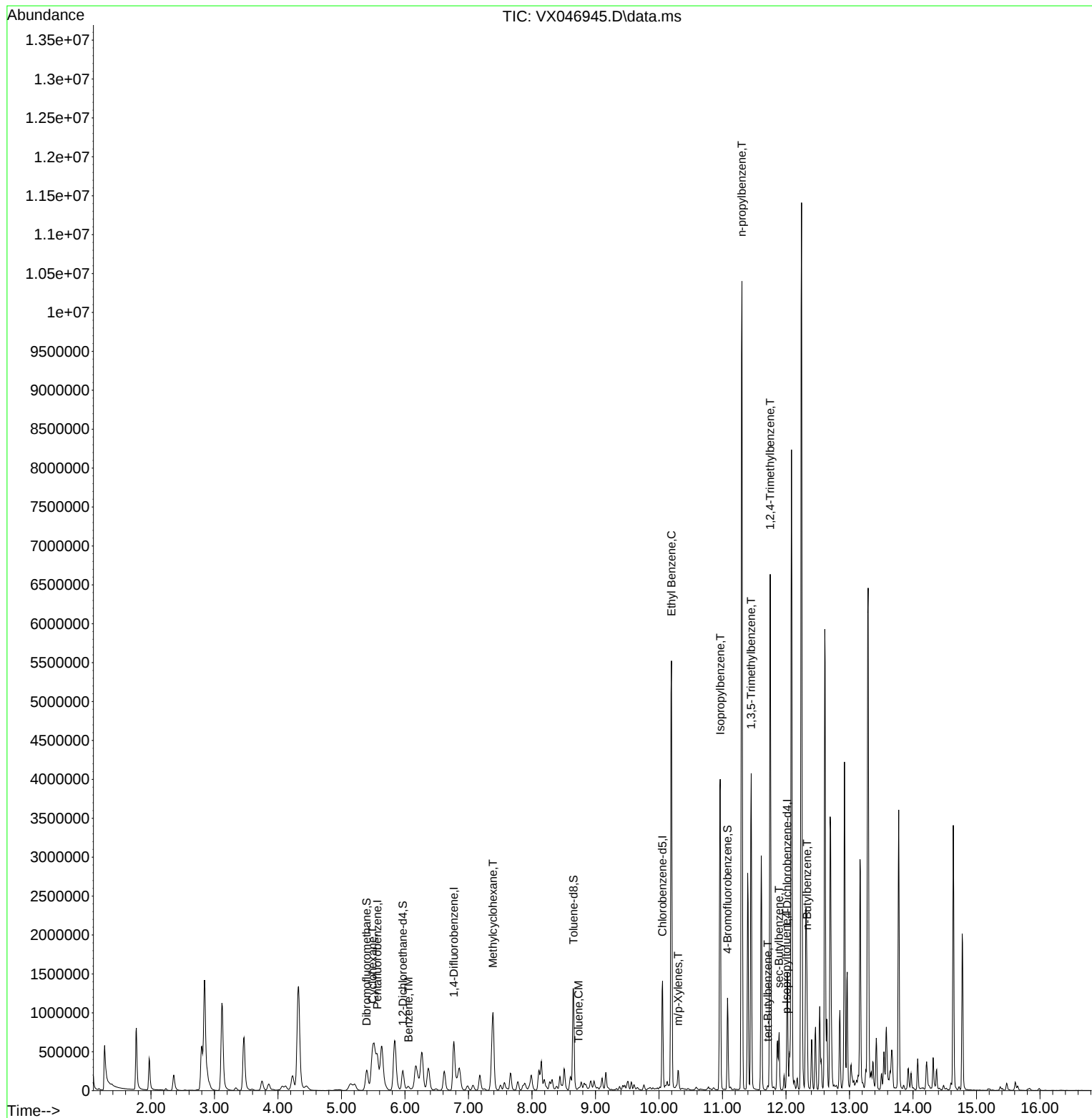
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046945.D
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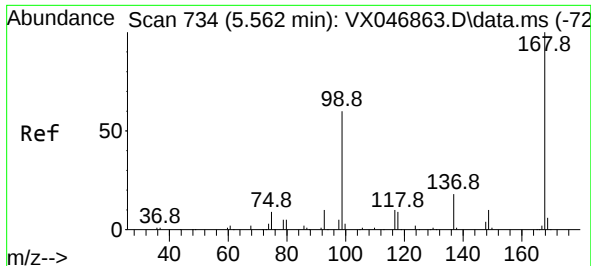
Instrument :
MSVOA_X
ClientSampleId :
AOC-203

Quant Time: Jul 11 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

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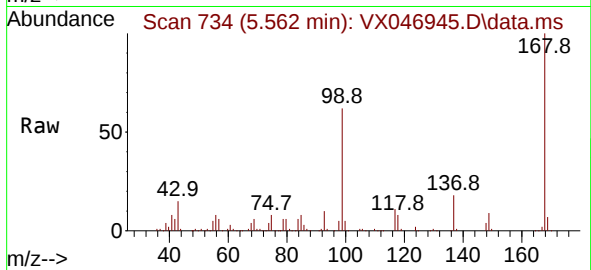
Reviewed By : John Carlone 07/11/2025
Supervised By : Mahesh Dadoda 07/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

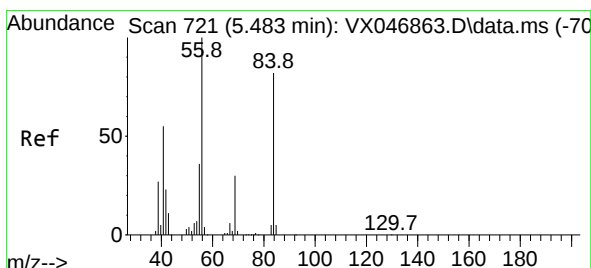
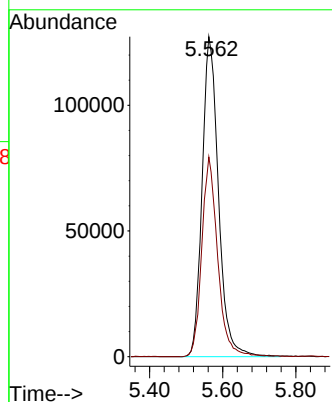
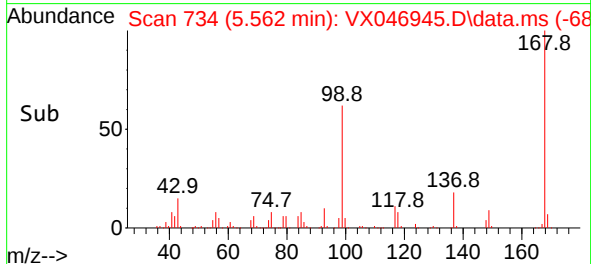
Instrument :
MSVOA_X
ClientSampleId :
AOC-203



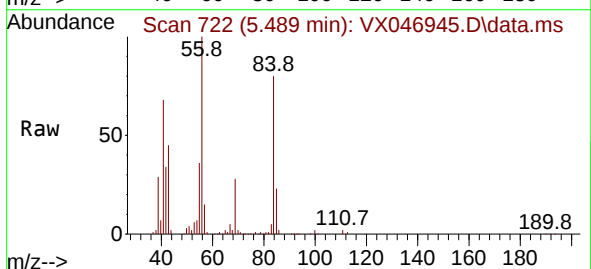
Tgt Ion:168 Resp: 39493
Ion Ratio Lower Upper
168 100
99 62.4 48.8 73.2

Manual Integrations
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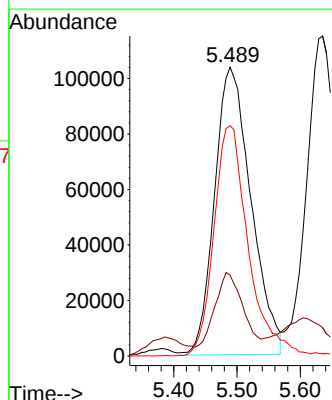
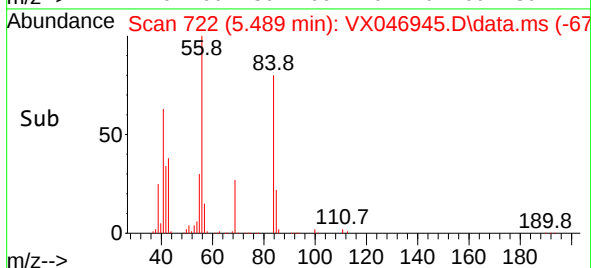
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

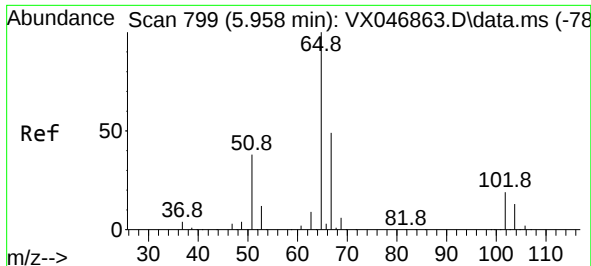


#31
Cyclohexane
Concen: 55.714 ug/l
RT: 5.489 min Scan# 722
Delta R.T. 0.006 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26



Tgt Ion: 56 Resp: 415511
Ion Ratio Lower Upper
56 100
69 23.8 24.0 36.0#
84 80.5 66.5 99.7





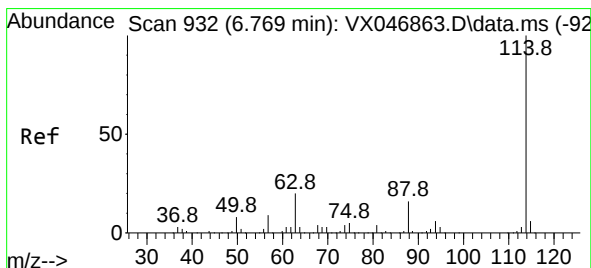
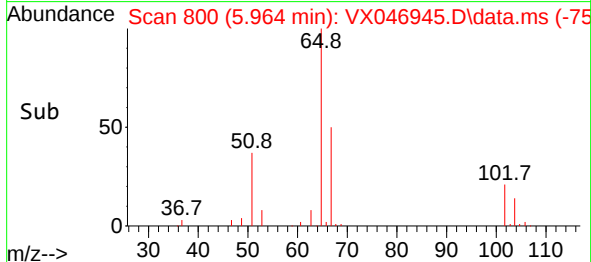
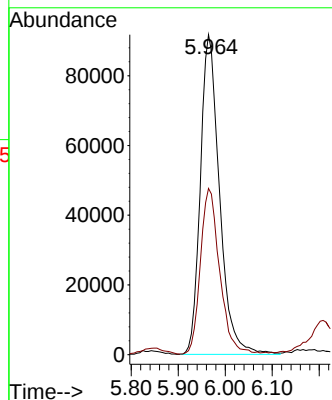
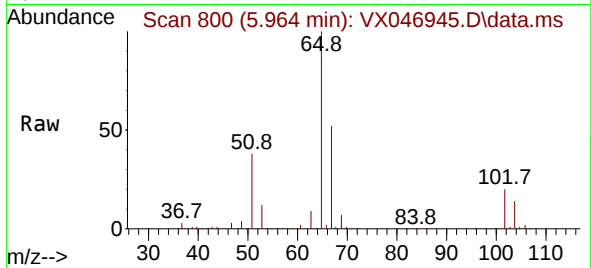
#33
 1,2-Dichloroethane-d4
 Concen: 49.787 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: VX046945.D
 Acq: 10 Jul 2025 15:26

Instrument :
 MSVOA_X
 ClientSampleId :
 AOC-203

Tgt Ion: 65 Resp: 259762
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2

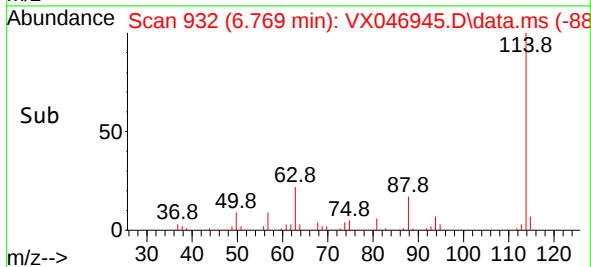
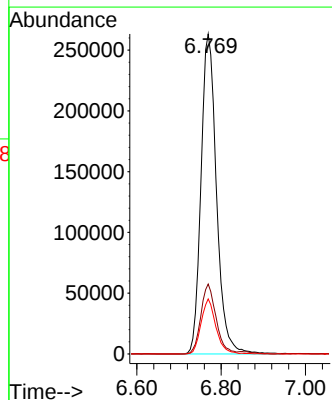
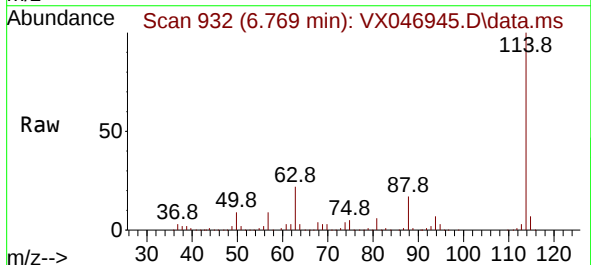
Manual Integrations
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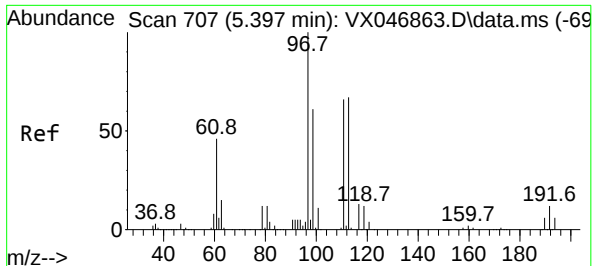
Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX046945.D
 Acq: 10 Jul 2025 15:26

Tgt Ion:114 Resp: 673452
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 40.4
 88 17.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.875 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX046945.D

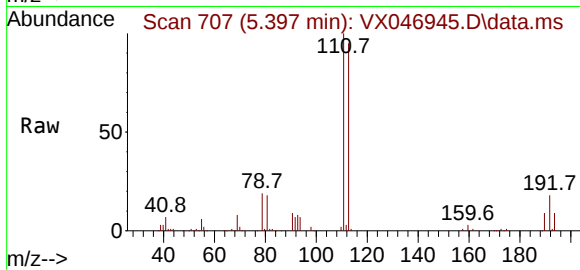
Acq: 10 Jul 2025 15:26

Instrument :

MSVOA_X

ClientSampleId :

AOC-203



Tgt Ion: 113 Resp: 21885

Ion Ratio Lower Upper

113 100

111 103.5 81.2 121.8

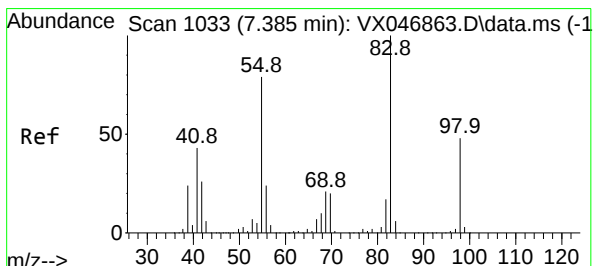
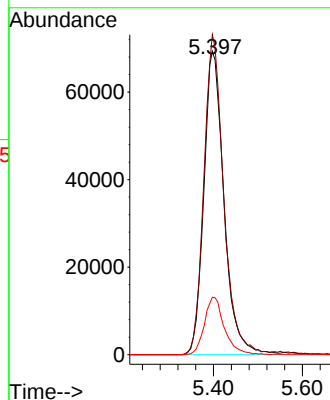
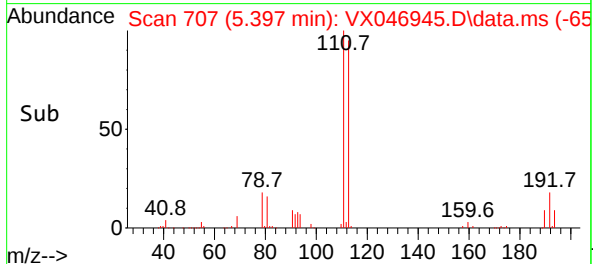
192 18.7 15.3 22.9

Manual Integrations

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Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#39

Methylcyclohexane

Concen: 57.774 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX046945.D

Acq: 10 Jul 2025 15:26

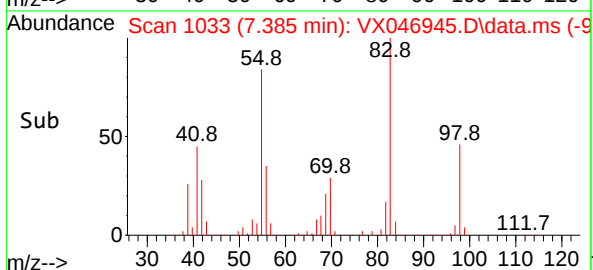
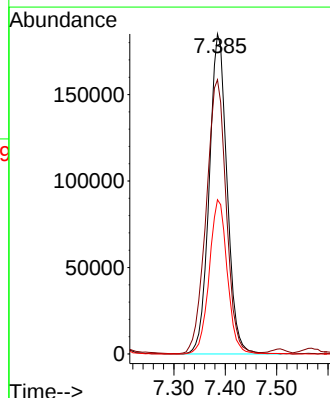
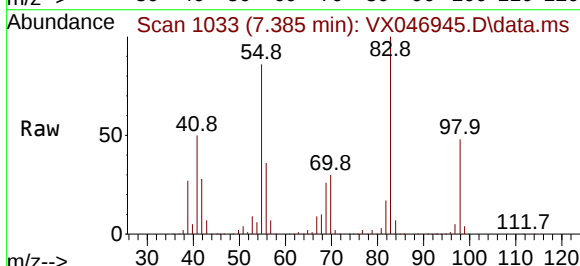
Tgt Ion: 83 Resp: 445744

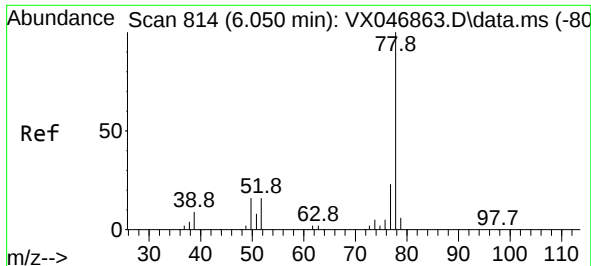
Ion Ratio Lower Upper

83 100

55 85.4 63.0 94.4

98 48.2 38.5 57.7





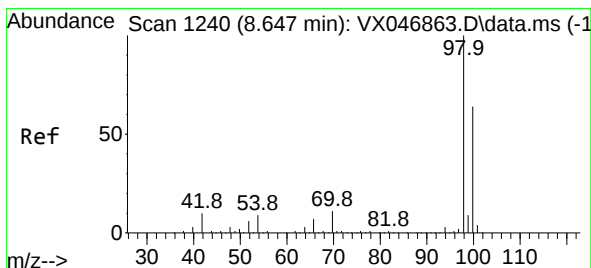
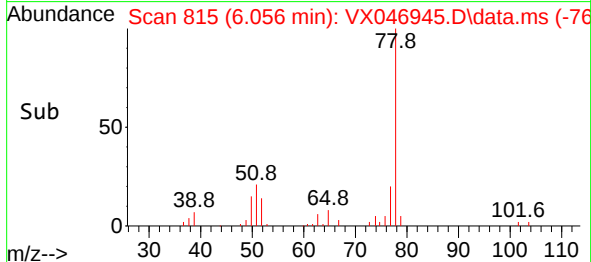
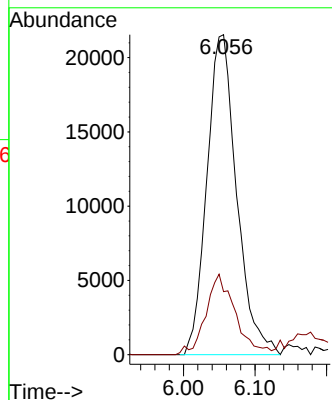
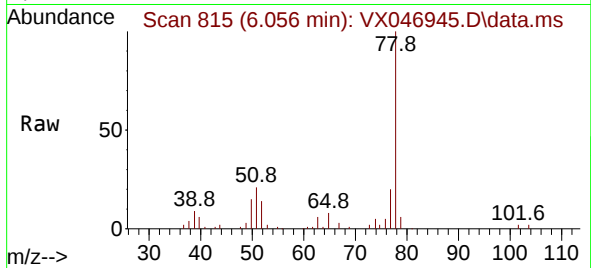
#40
Benzene
Concen: 3.340 ug/l
RT: 6.056 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

Instrument :
MSVOA_X
ClientSampleId :
AOC-203

Tgt Ion: 78 Resp: 62304
Ion Ratio Lower Upper
78 100
77 19.0 18.7 28.1

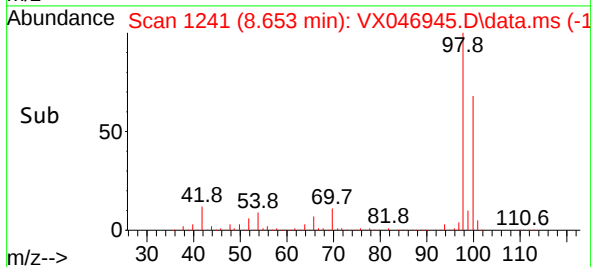
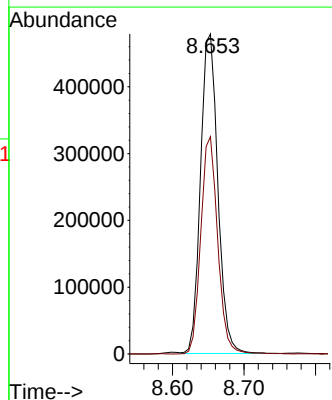
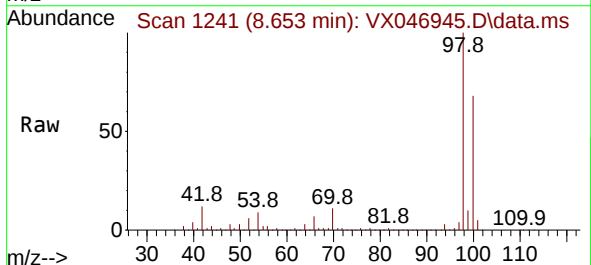
Manual Integrations
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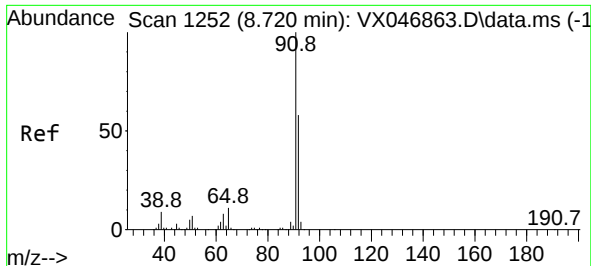
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#50
Toluene-d8
Concen: 49.856 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

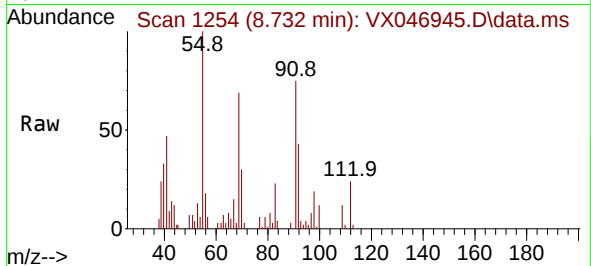
Tgt Ion: 98 Resp: 804116
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6





#52
Toluene
Concen: 0.396 ug/l
RT: 8.732 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

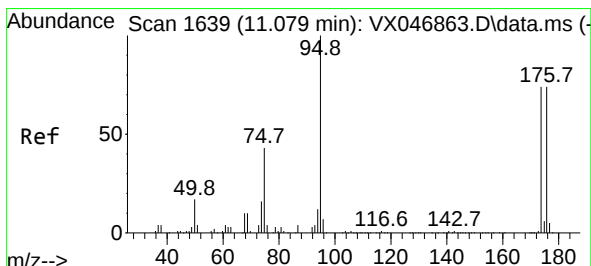
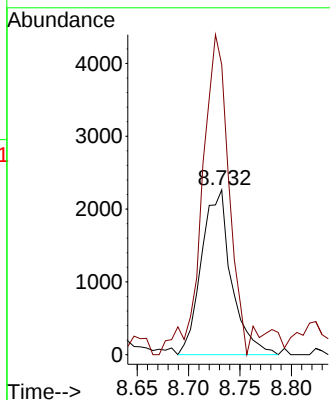
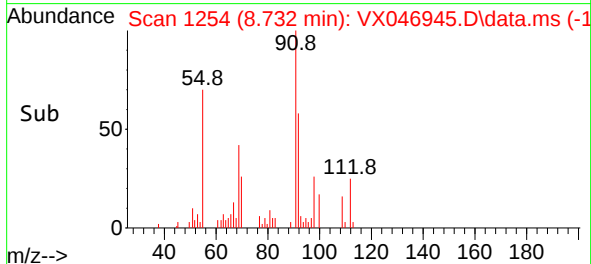
Instrument :
MSVOA_X
ClientSampleId :
AOC-203



Tgt Ion: 92 Resp: 4574
Ion Ratio Lower Upper
92 100
91 172.5 137.9 206.9

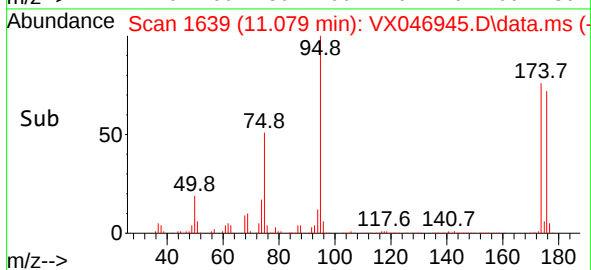
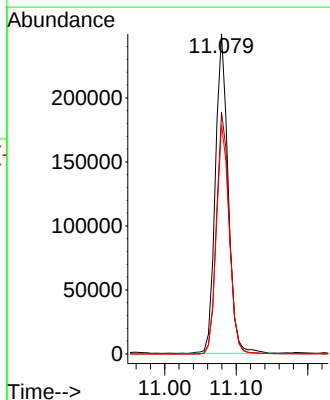
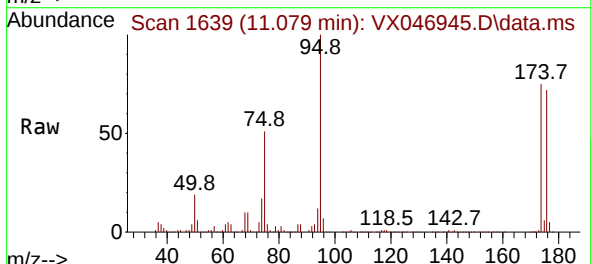
Manual Integrations
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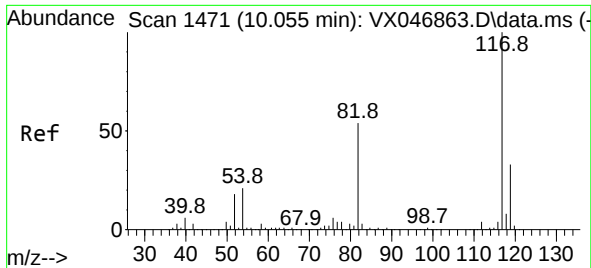
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#62
4-Bromofluorobenzene
Concen: 50.576 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

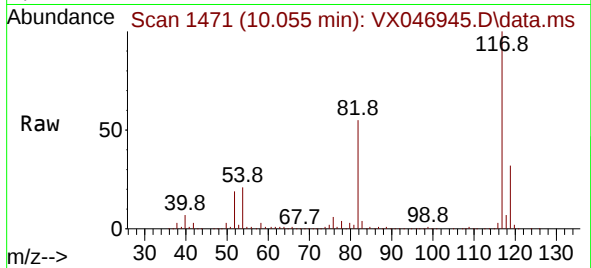
Tgt Ion: 95 Resp: 310029
Ion Ratio Lower Upper
95 100
174 75.6 0.0 152.0
176 72.4 0.0 145.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

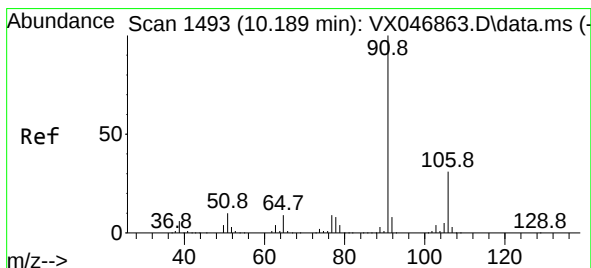
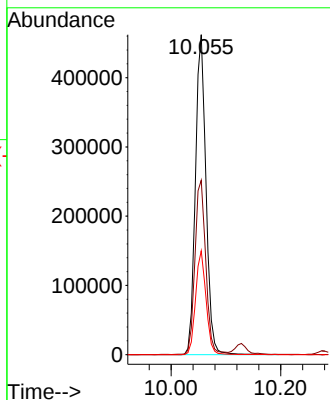
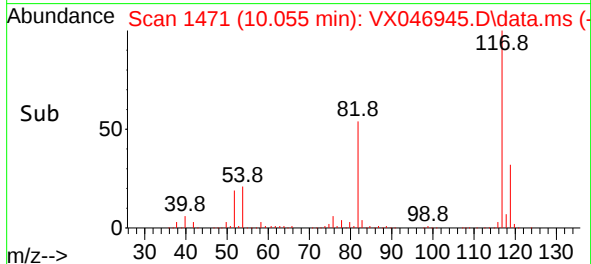
Instrument :
MSVOA_X
ClientSampleId :
AOC-203



Tgt Ion:117 Resp: 623779
Ion Ratio Lower Upper
117 100
82 54.4 43.3 64.9
119 32.5 26.4 39.6

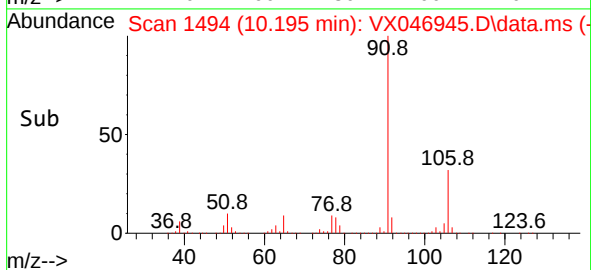
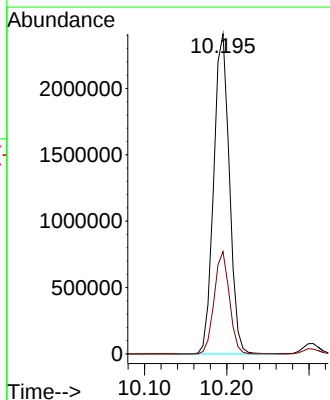
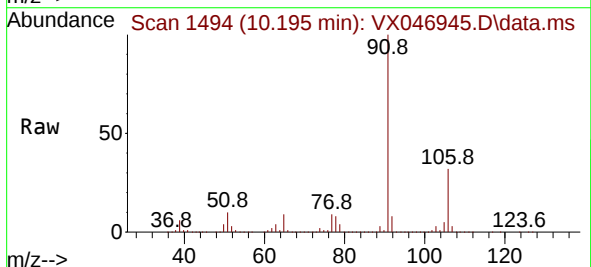
Manual Integrations
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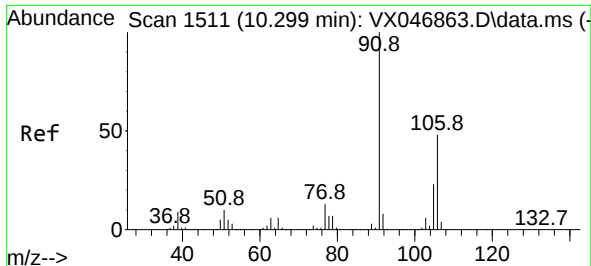
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#67
Ethyl Benzene
Concen: 138.347 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

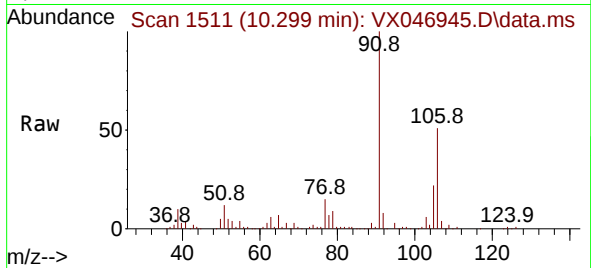
Tgt Ion: 91 Resp: 3195246
Ion Ratio Lower Upper
91 100
106 32.0 24.4 36.6





#68
m/p-Xylenes
Concen: 6.526 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

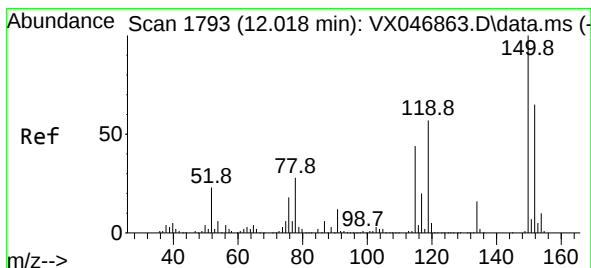
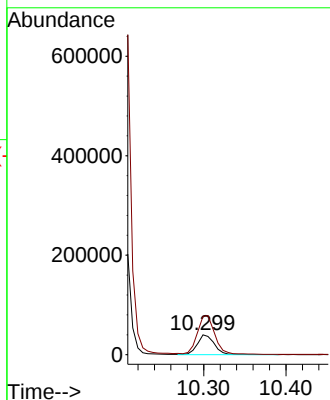
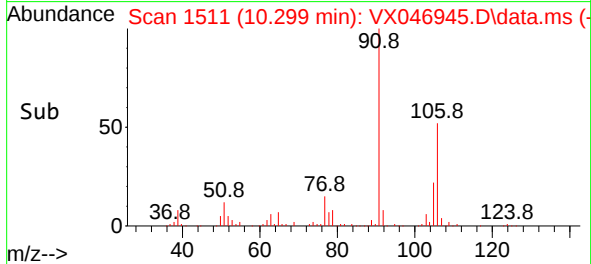
Instrument :
MSVOA_X
ClientSampleId :
AOC-203



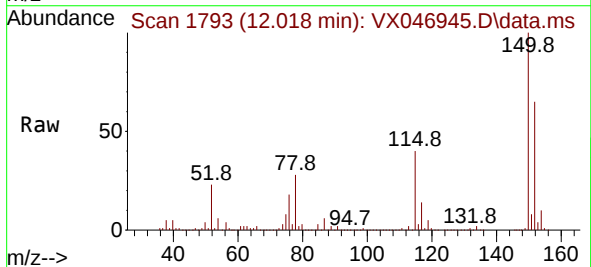
Tgt Ion:106 Resp: 56792
Ion Ratio Lower Upper
106 100
91 201.2 164.6 246.8

Manual Integrations
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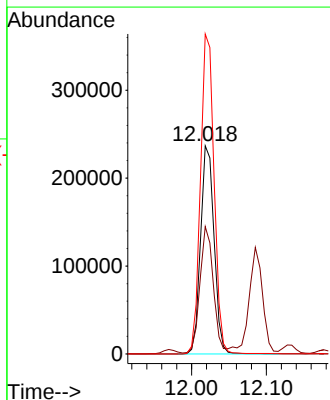
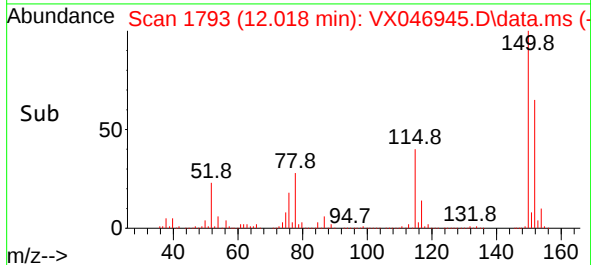
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

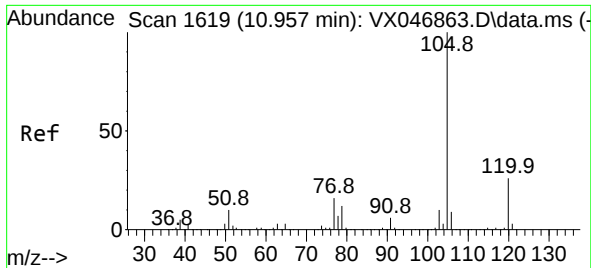


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26



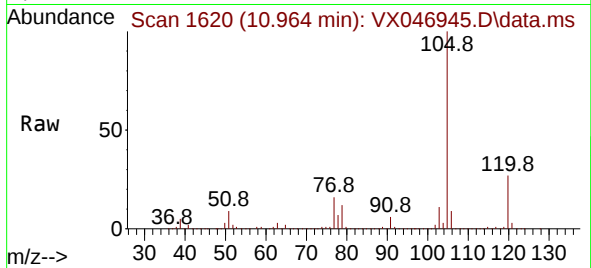
Tgt Ion:152 Resp: 297586
Ion Ratio Lower Upper
152 100
115 59.9 42.4 127.1
150 154.3 0.0 349.2





#73
Isopropylbenzene
Concen: 101.825 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

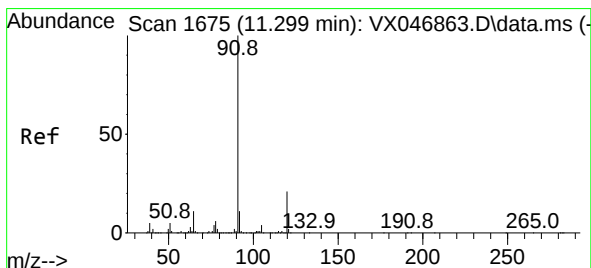
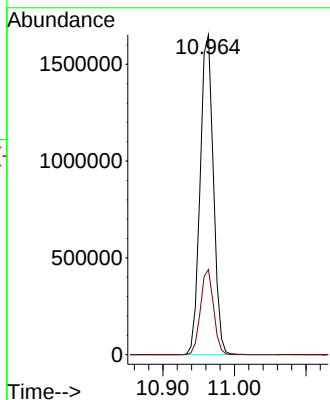
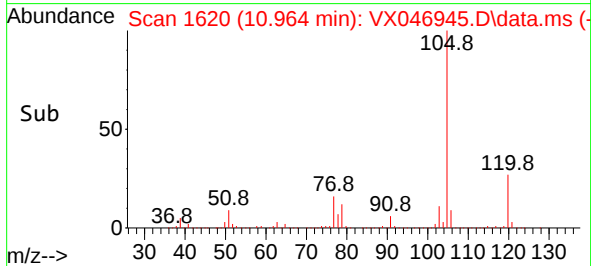
Instrument :
MSVOA_X
ClientSampleId :
AOC-203



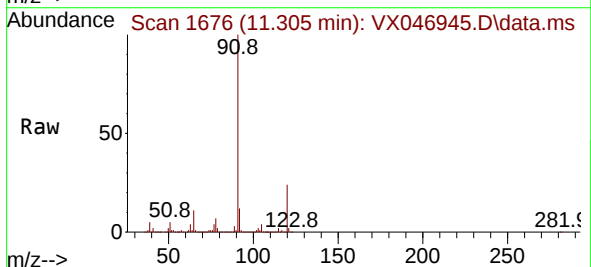
Tgt Ion:105 Resp: 213012
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

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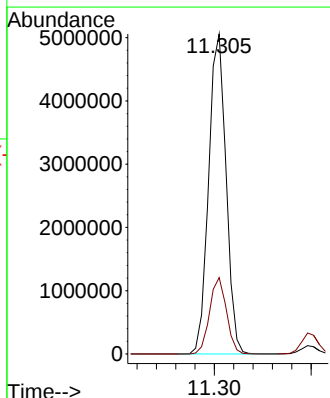
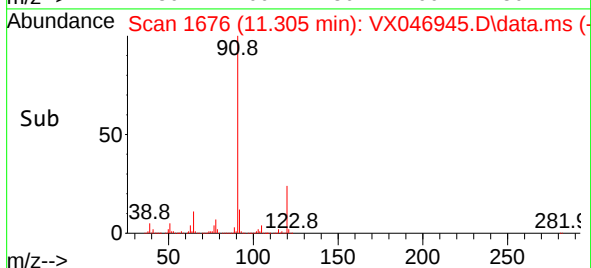
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

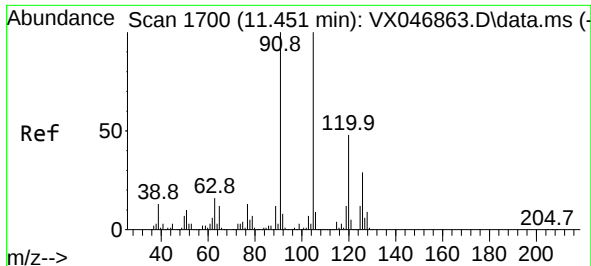


#78
n-propylbenzene
Concen: 250.832 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26



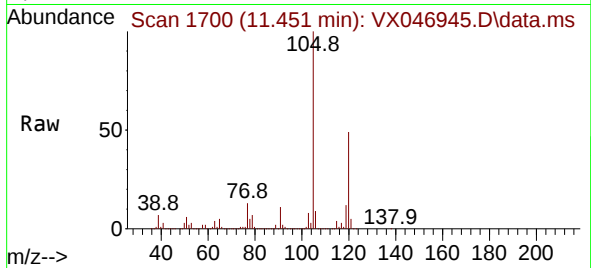
Tgt Ion: 91 Resp: 6327167
Ion Ratio Lower Upper
91 100
120 23.1 11.2 33.5





#80
1,3,5-Trimethylbenzene
Concen: 101.599 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

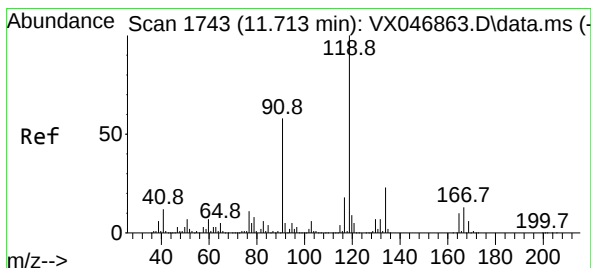
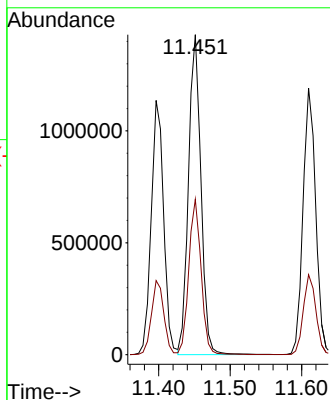
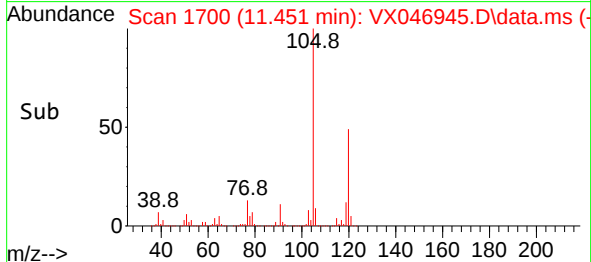
Instrument :
MSVOA_X
ClientSampleId :
AOC-203



Tgt Ion:105 Resp: 172698
Ion Ratio Lower Upper
105 100
120 48.2 24.1 72.4

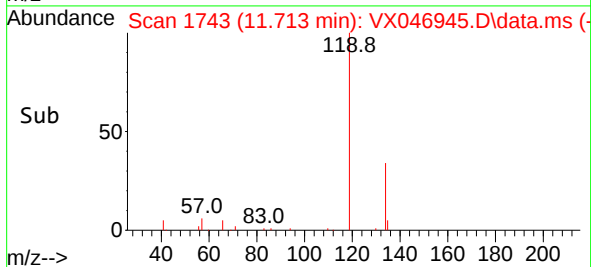
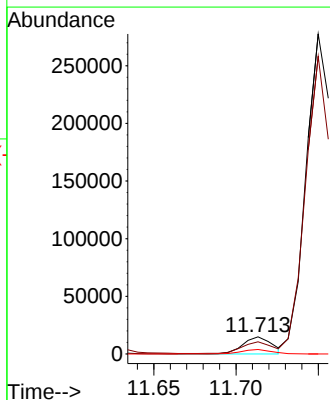
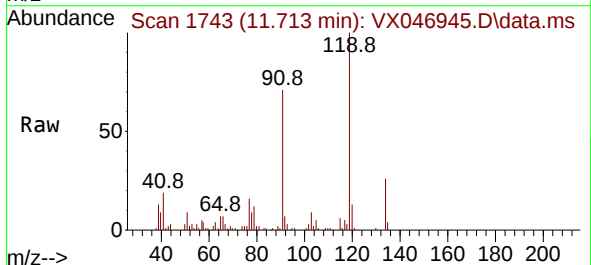
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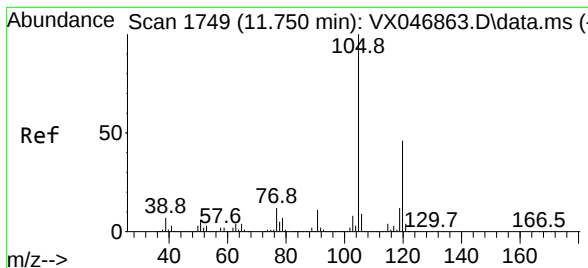
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#83
tert-Butylbenzene
Concen: 1.027 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046945.D
Acq: 10 Jul 2025 15:26

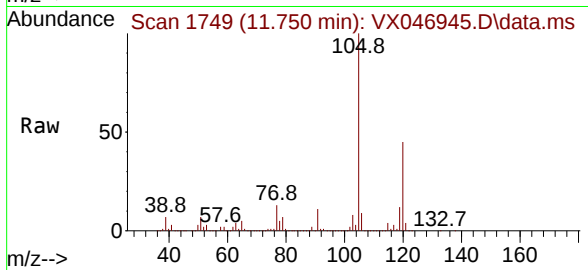
Tgt Ion:119 Resp: 18026
Ion Ratio Lower Upper
119 100
91 70.5 28.7 86.3
134 27.1 11.4 34.2





#84
 1,2,4-Trimethylbenzene
 Concen: 161.364 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX046945.D
 Acq: 10 Jul 2025 15:26

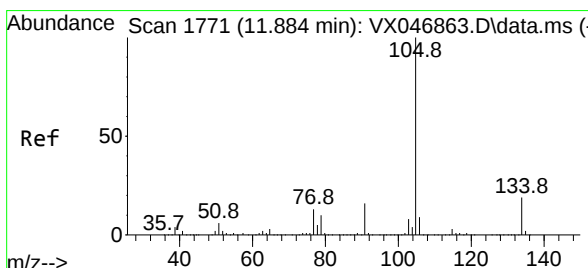
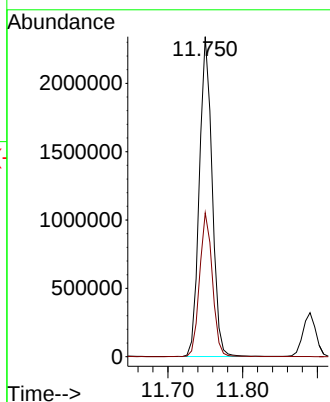
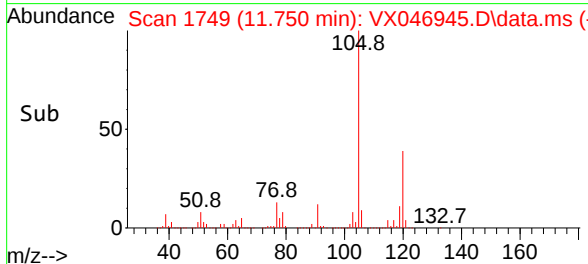
Instrument :
 MSVOA_X
 ClientSampleId :
 AOC-203



Tgt Ion:105 Resp: 2772389
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.3 69.8

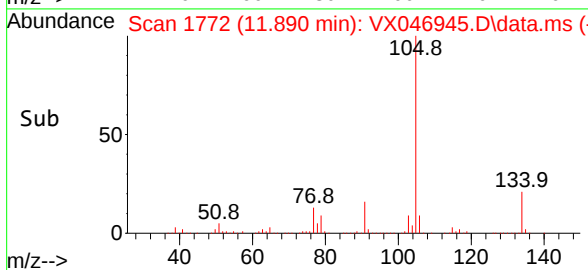
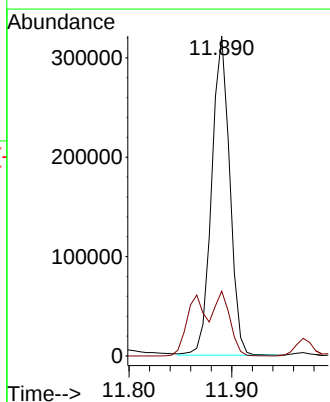
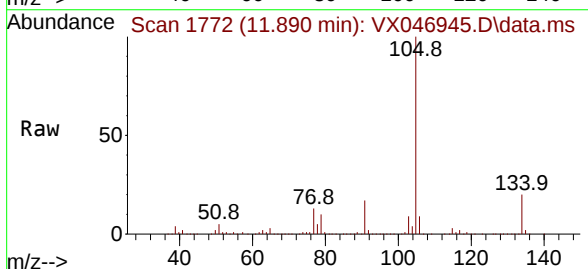
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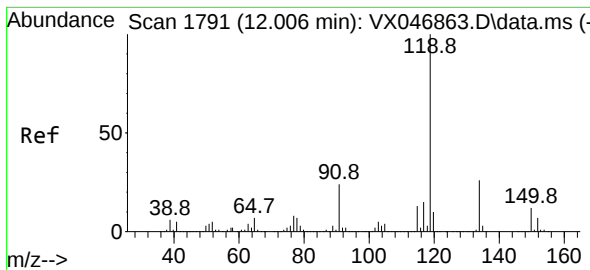
Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025



#85
 sec-Butylbenzene
 Concen: 17.611 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.006 min
 Lab File: VX046945.D
 Acq: 10 Jul 2025 15:26

Tgt Ion:105 Resp: 389810
 Ion Ratio Lower Upper
 105 100
 134 17.4 9.9 29.7





#86

p-Isopropyltoluene

Concen: 2.931 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX046945.D

Acq: 10 Jul 2025 15:26

Instrument :

MSVOA_X

ClientSampleId :

AOC-203

Tgt Ion:119 Resp: 54330

Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

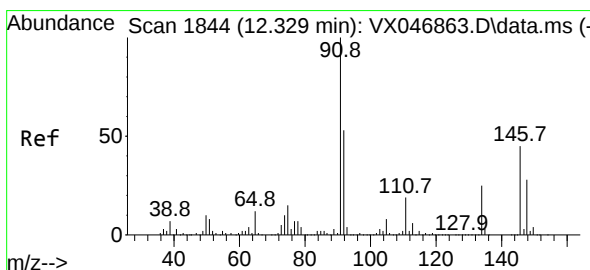
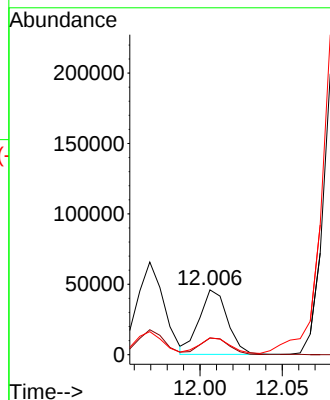
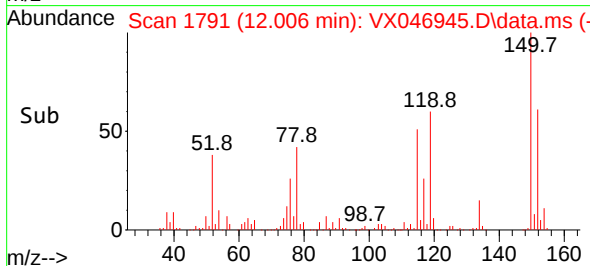
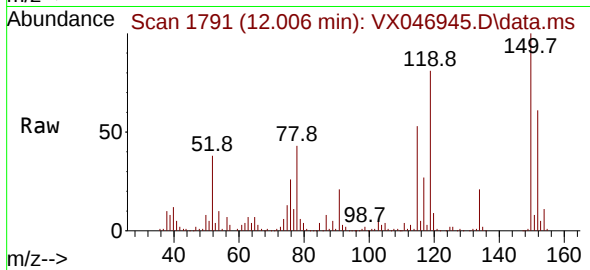
91 0.0 12.0 36.1

Manual Integrations

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Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#89

n-Butylbenzene

Concen: 25.402 ug/l m

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046945.D

Acq: 10 Jul 2025 15:26

Tgt Ion: 91 Resp: 442426

Ion Ratio Lower Upper

91 100

92 56.9 27.0 81.0

134 99.2 12.8 38.4

