

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
 Data File : VX045822.D
 Acq On : 17 Apr 2025 12:49
 Operator : JC/MD
 Sample : Q1824-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 285

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 03:37:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	65377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125918	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60790	50.846	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.700%			
35) Dibromofluoromethane	5.385	113	44505	49.816	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.640%			
50) Toluene-d8	8.647	98	158528	50.838	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	11.079	95	59593	52.466	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.940%			
Target Compounds					Qvalue	
16) Acetone	2.380	43	7595	15.470	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	1241	0.452	ug/l	95
39) Methylcyclohexane	7.379	83	58338	39.454	ug/l	96
40) Benzene	6.031	78	120144	32.612	ug/l	97
52) Toluene	8.720	92	1868833	838.336	ug/l	97
67) Ethyl Benzene	10.189	91	1065335	246.578	ug/l	99
68) m/p-Xylenes	10.299	106	1500227	954.711	ug/l	99
69) o-Xylene	10.640	106	656427	424.053	ug/l	98
73) Isopropylbenzene	10.963	105	76161	18.976	ug/l	100
78) n-propylbenzene	11.305	91	270469	58.506	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	312846	94.263	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	1217313	365.441	ug/l	100
85) sec-Butylbenzene	11.890	105	24444m	6.057	ug/l	
86) p-Isopropyltoluene	12.006	119	14677m	4.411	ug/l	
89) n-Butylbenzene	12.329	91	65481m	22.695	ug/l	
95) Naphthalene	13.774	128	104649	30.102	ug/l	98

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

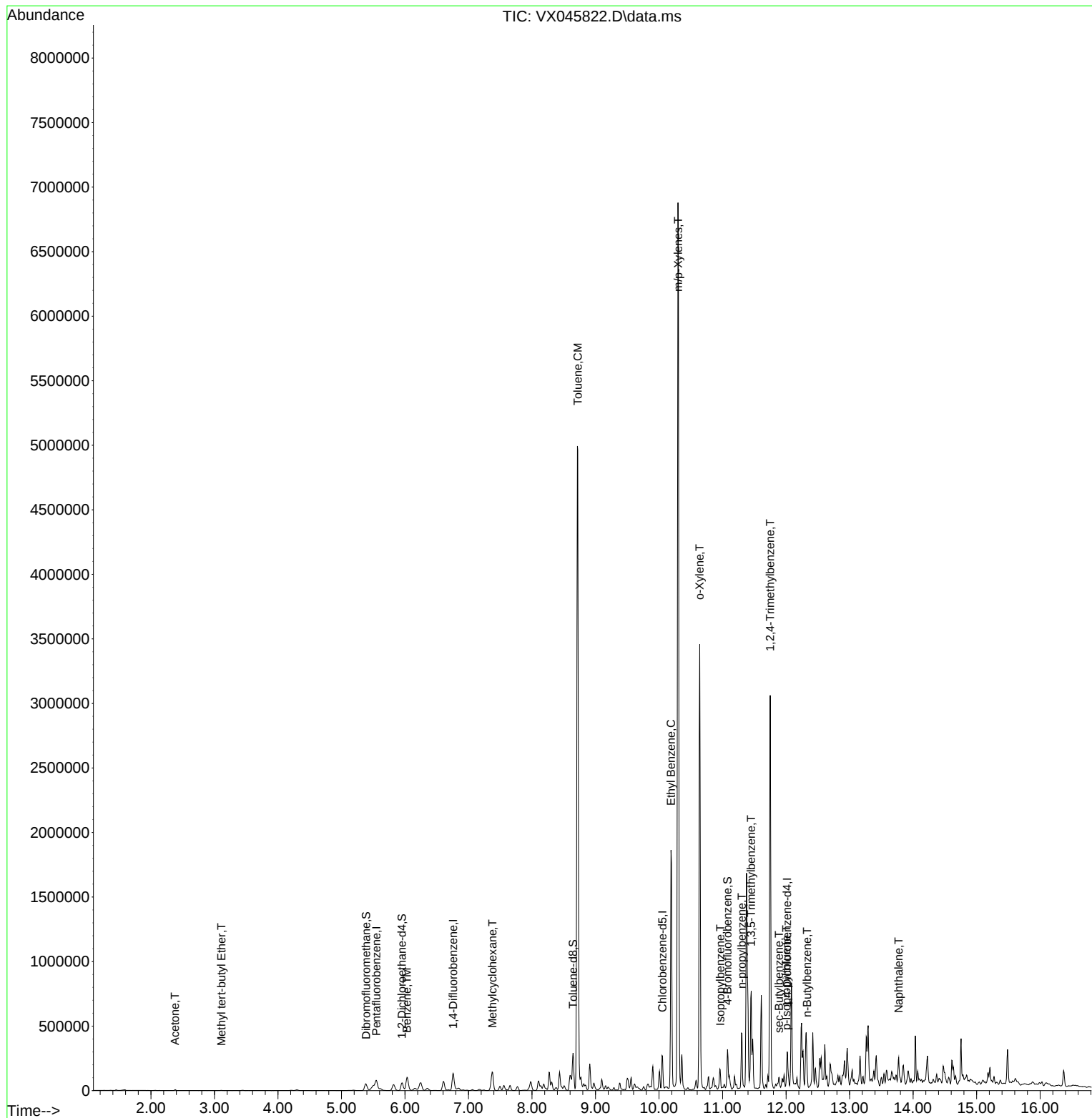
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
Data File : VX045822.D
Acq On : 17 Apr 2025 12:49
Operator : JC/MD
Sample : Q1824-04 50X
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ALS Vial : 7 Sample Multiplier: 1

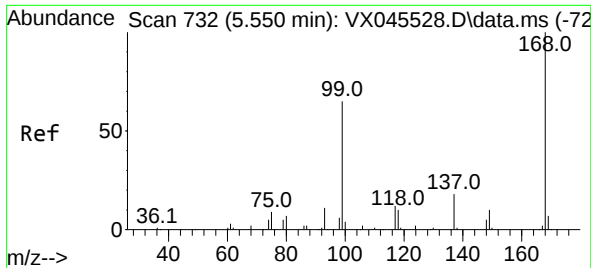
Instrument :
MSVOA_X
ClientSampleId :
285

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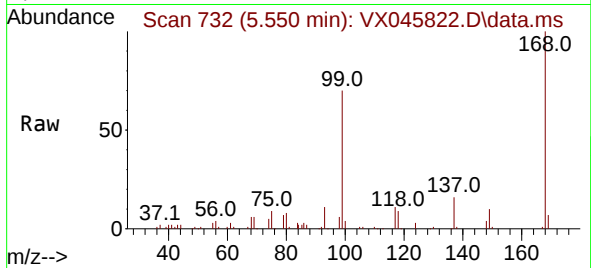
Quant Time: Apr 18 03:37:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

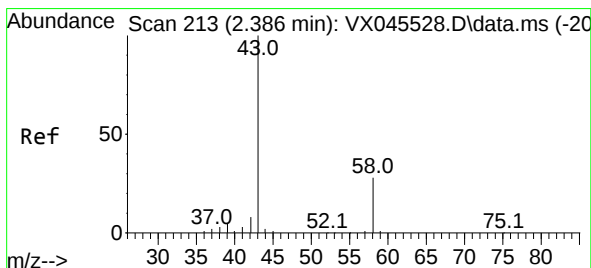
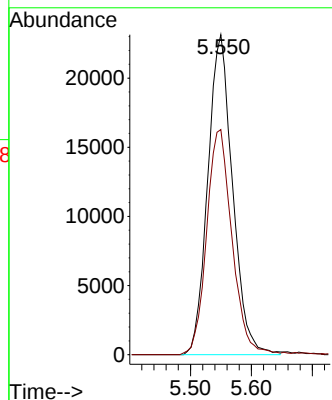
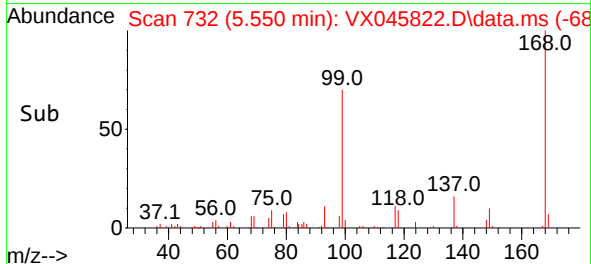
Instrument :
MSVOA_X
ClientSampleId :
285



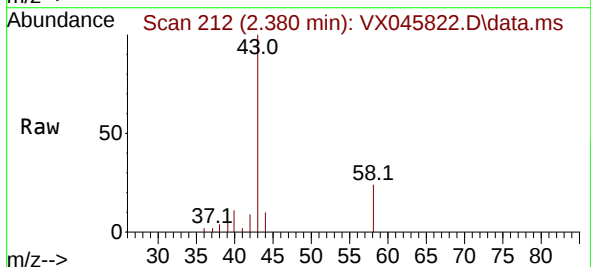
Tgt Ion:168 Resp: 6537
Ion Ratio Lower Upper
168 100
99 70.4 52.3 78.5

Manual Integrations
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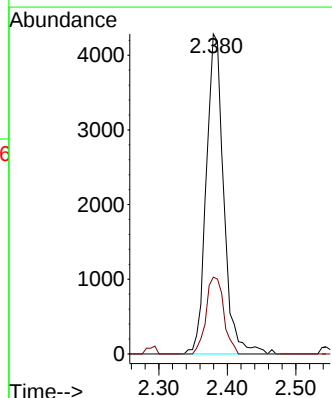
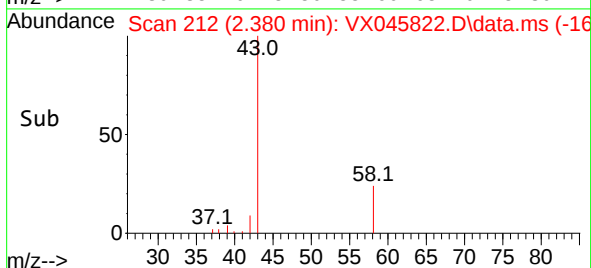
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

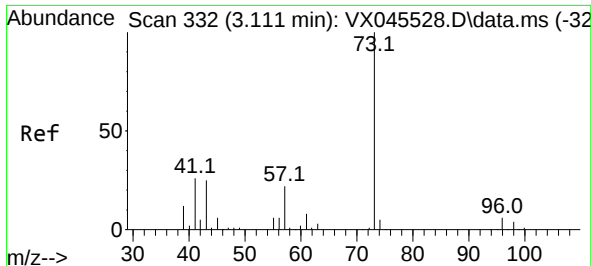


#16
Acetone
Concen: 15.470 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49



Tgt Ion: 43 Resp: 7595
Ion Ratio Lower Upper
43 100
58 24.0 22.3 33.5





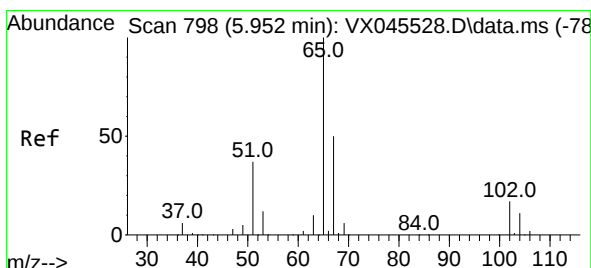
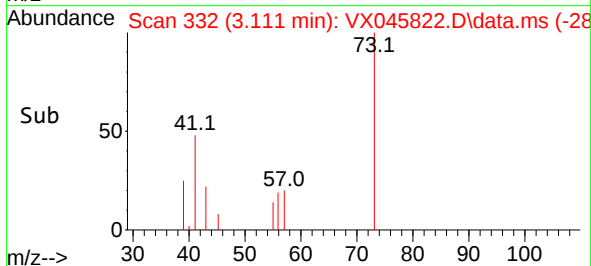
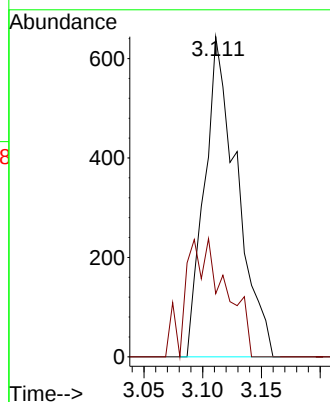
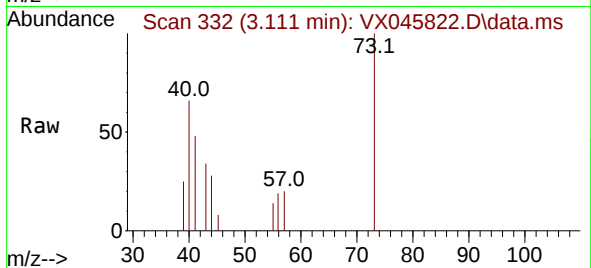
#19
Methyl tert-butyl Ether
Concen: 0.452 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

Instrument :
MSVOA_X
ClientSampleId :
285

Tgt Ion: 73 Resp: 124
Ion Ratio Lower Upper
73 100
57 19.7 17.6 26.4

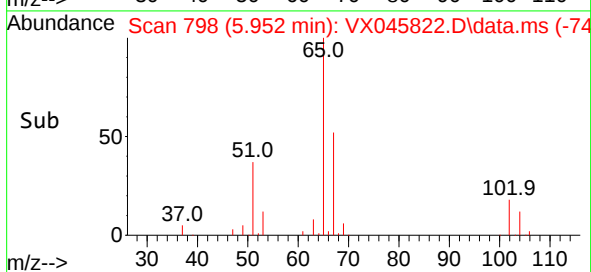
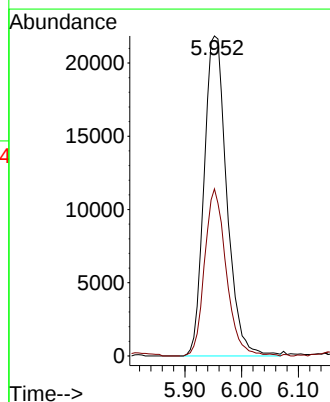
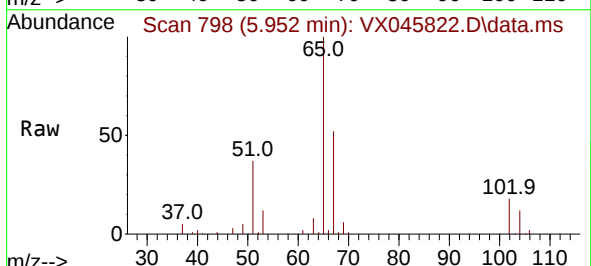
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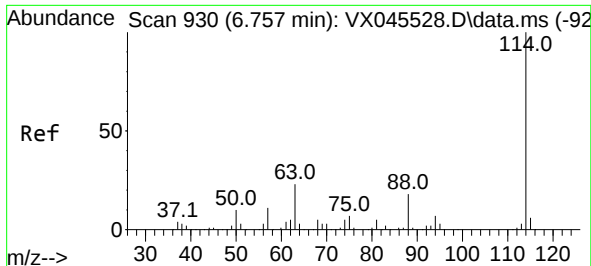
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#33
1,2-Dichloroethane-d4
Concen: 50.846 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

Tgt Ion: 65 Resp: 60790
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0





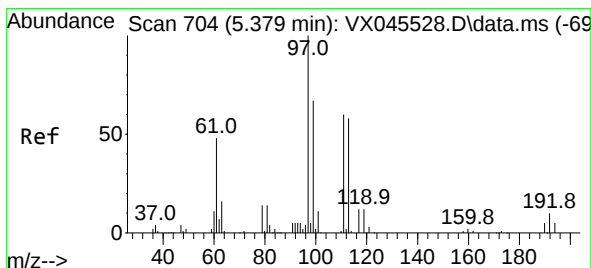
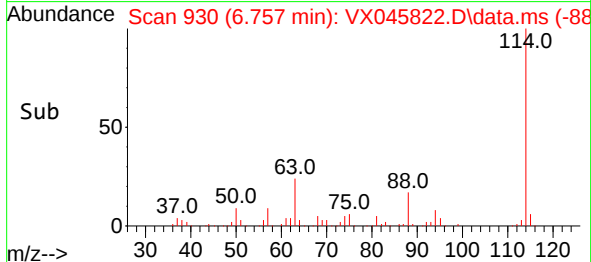
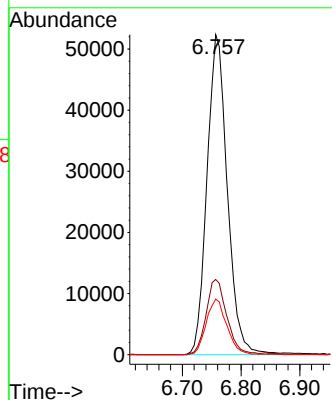
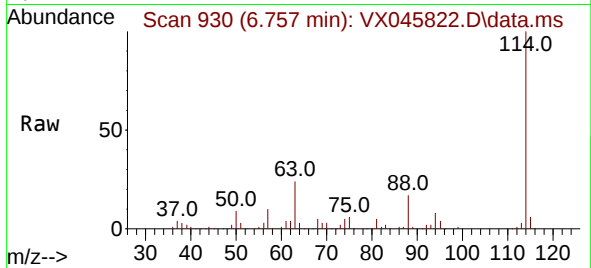
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

Instrument :
MSVOA_X
ClientSampleId :
285

Tgt Ion:114 Resp: 125918
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.8
88 17.4 0.0 35.4

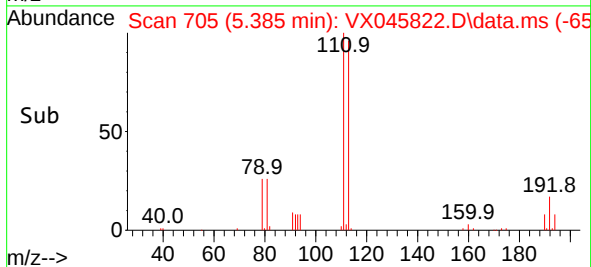
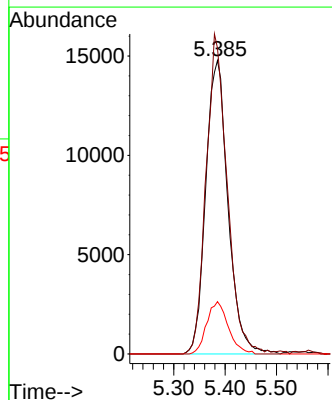
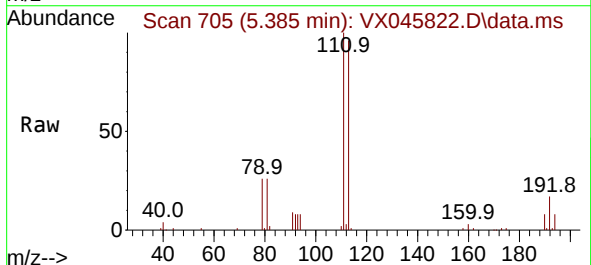
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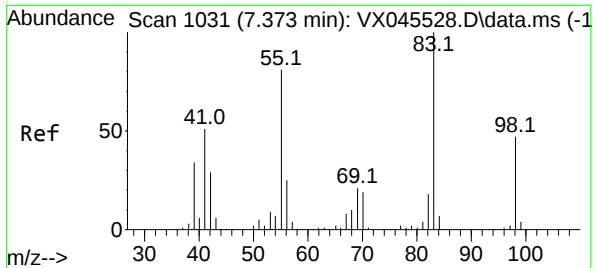
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#35
Dibromofluoromethane
Concen: 49.816 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

Tgt Ion:113 Resp: 44505
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.6
192 17.3 13.8 20.6





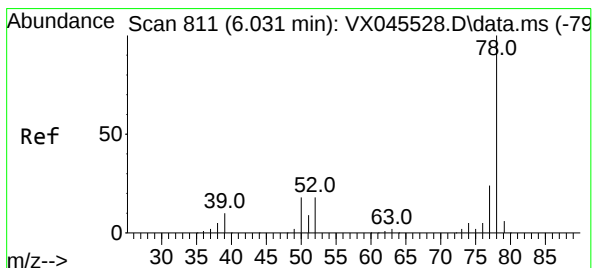
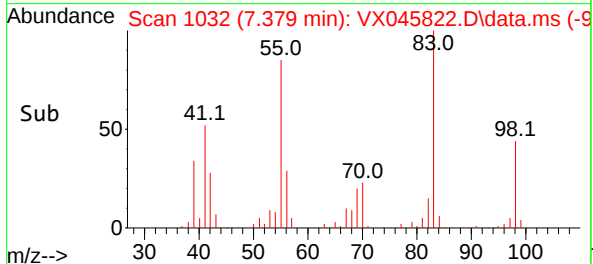
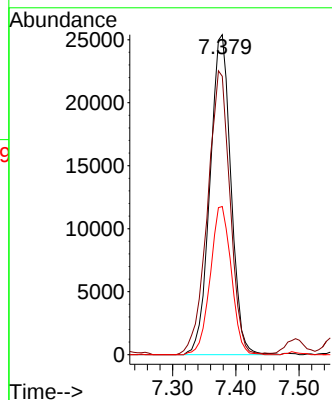
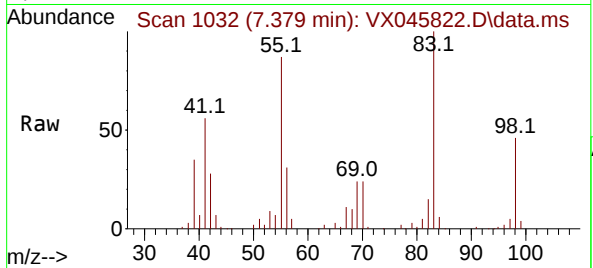
#39
Methylcyclohexane
Concen: 39.454 ug/l
RT: 7.379 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

Instrument :
MSVOA_X
ClientSampleId :
285

Tgt Ion: 83 Resp: 58338
Ion Ratio Lower Upper
83 100
55 86.5 64.9 97.3
98 46.3 37.4 56.0

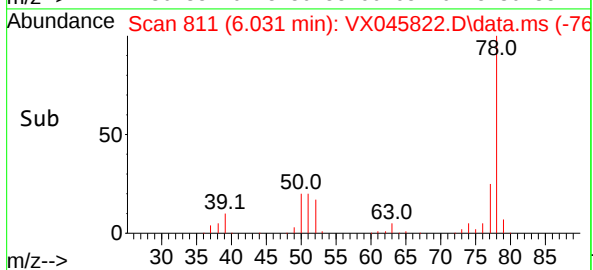
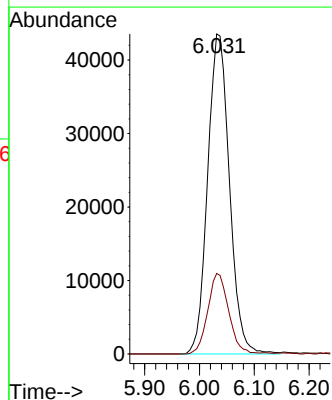
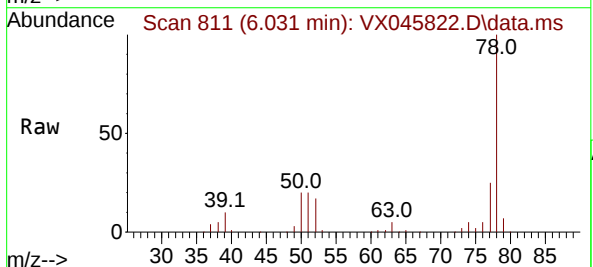
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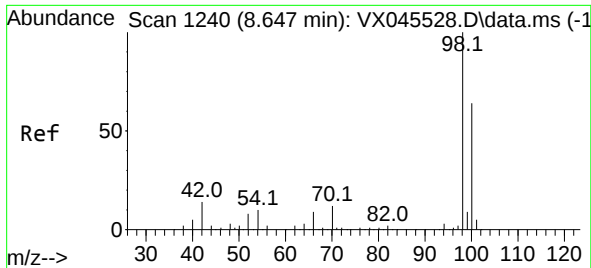
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#40
Benzene
Concen: 32.612 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

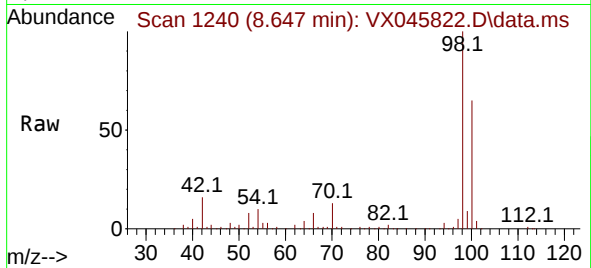
Tgt Ion: 78 Resp: 120144
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6





#50
Toluene-d8
Concen: 50.838 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

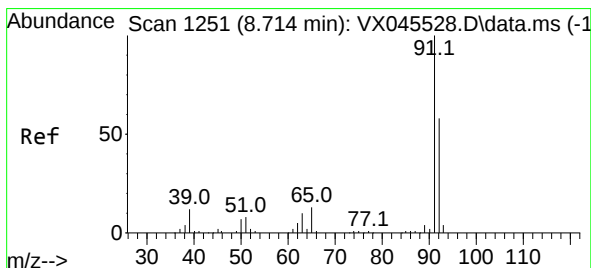
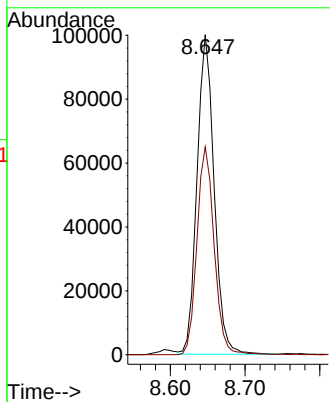
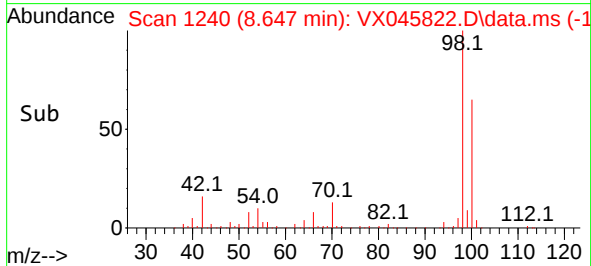
Instrument :
MSVOA_X
ClientSampleId :
285



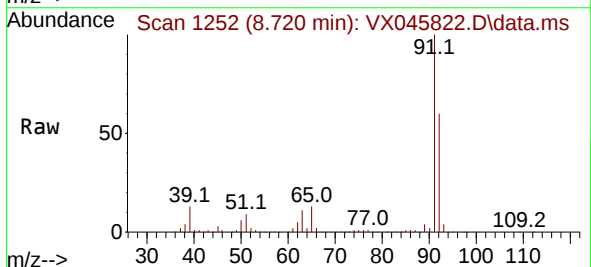
Tgt Ion: 98 Resp: 158528
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

Manual Integrations
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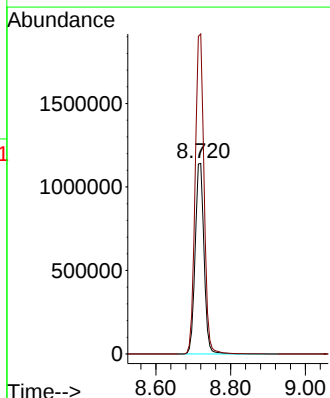
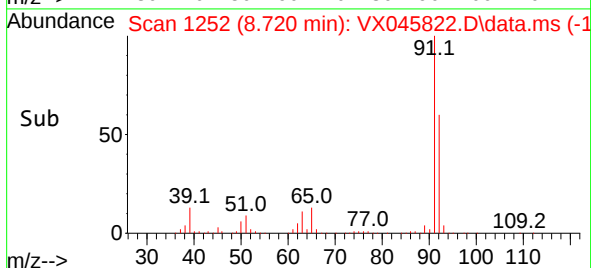
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Toluene
Concen: 838.336 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49



Tgt Ion: 92 Resp: 1868833
Ion Ratio Lower Upper
92 100
91 169.4 138.7 208.1





#62

4-Bromofluorobenzene

Concen: 52.466 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045822.D

Acq: 17 Apr 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

285

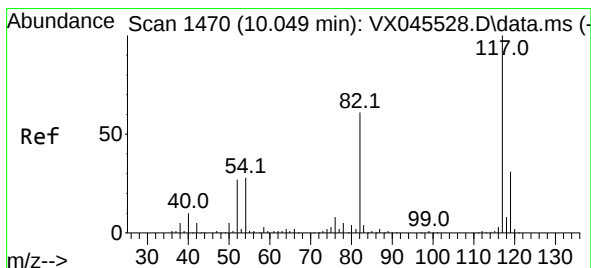
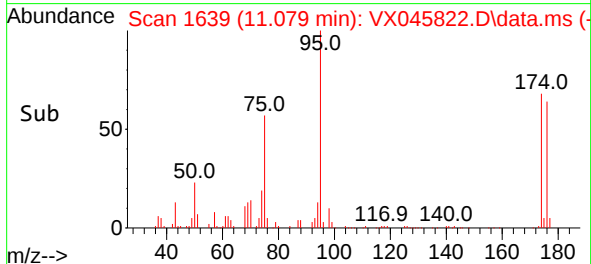
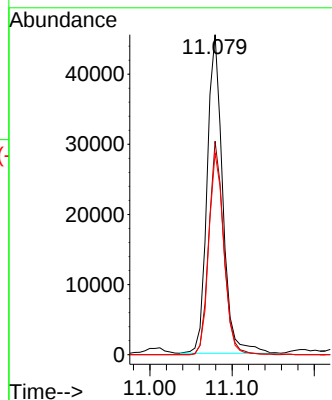
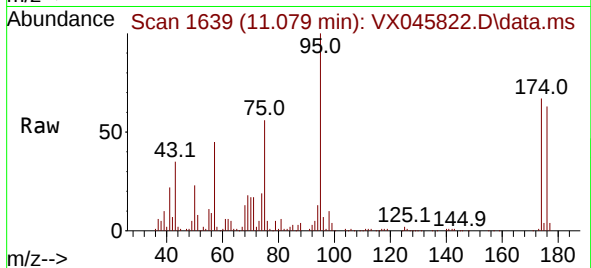
Tgt Ion:	95	Resp:	5959
Ion Ratio	Lower	Upper	
95	100		
174	64.2	0.0	135.8
176	61.4	0.0	131.4

Manual Integrations

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Reviewed By :John Carlone 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

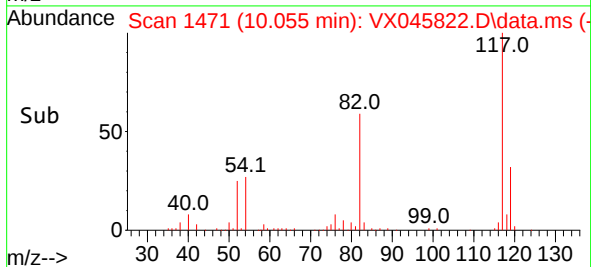
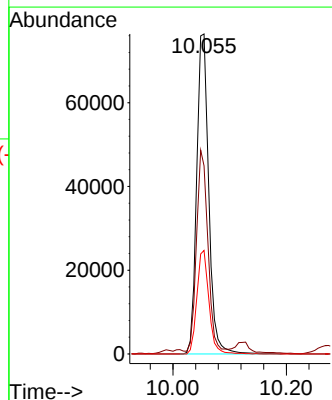
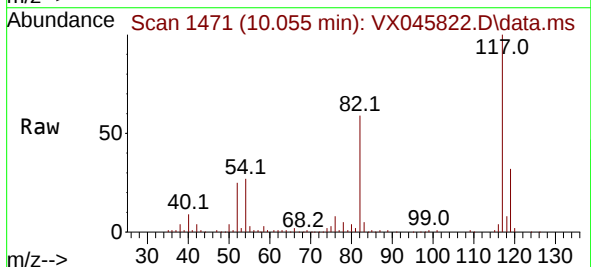
RT: 10.055 min Scan# 1471

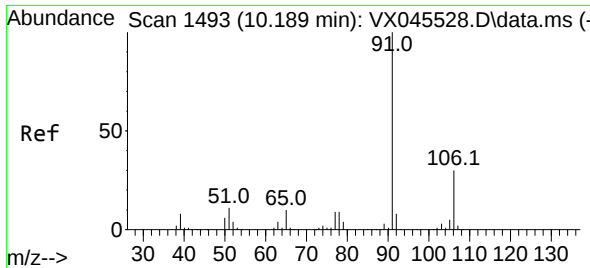
Delta R.T. 0.006 min

Lab File: VX045822.D

Acq: 17 Apr 2025 12:49

Tgt Ion:	117	Resp:	112892
Ion Ratio	Lower	Upper	
117	100		
82	58.5	49.2	73.8
119	32.4	25.1	37.7





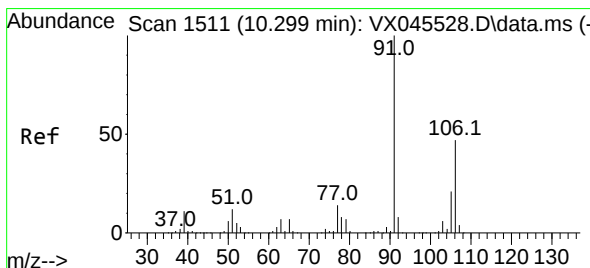
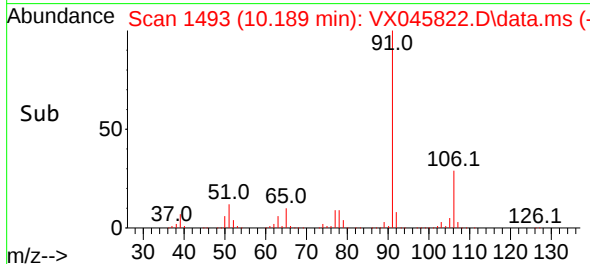
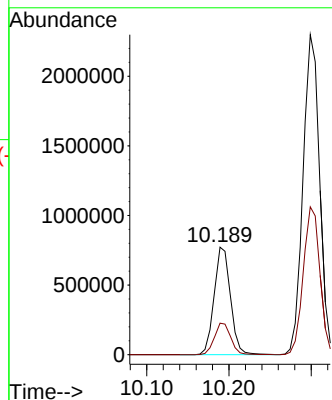
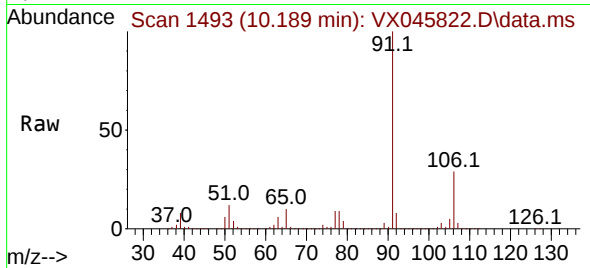
#67
Ethyl Benzene
Concen: 246.578 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

Instrument :
MSVOA_X
ClientSampleId :
285

Tgt Ion: 91 Resp: 1065335
Ion Ratio Lower Upper
91 100
106 29.3 23.7 35.5

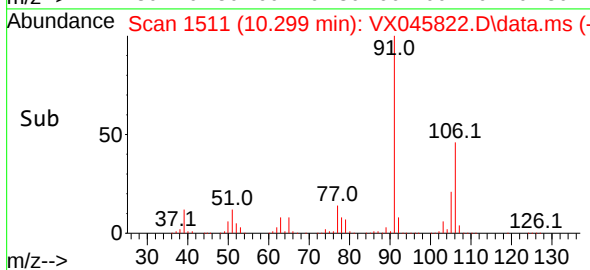
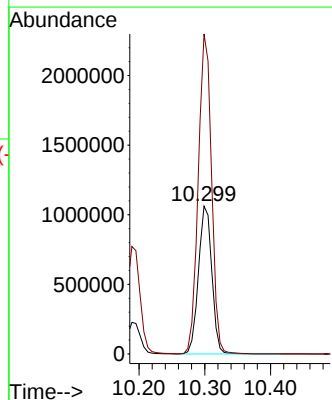
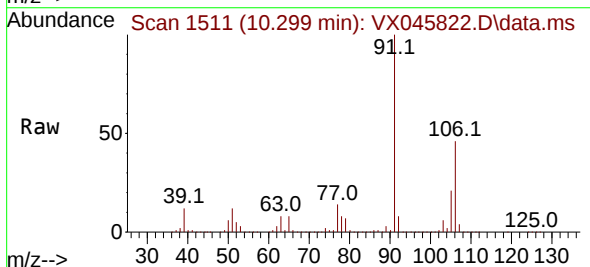
Manual Integrations
APPROVED

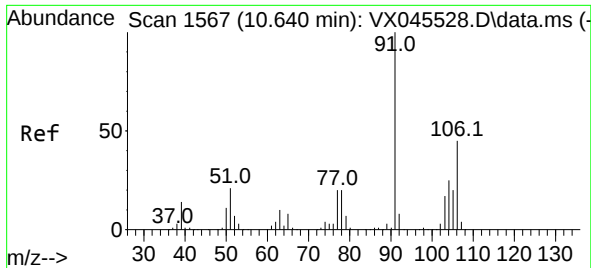
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#68
m/p-Xylenes
Concen: 954.711 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

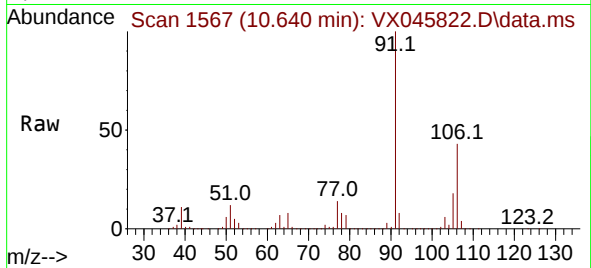
Tgt Ion:106 Resp: 1500227
Ion Ratio Lower Upper
106 100
91 214.9 172.6 258.8





#69
o-Xylene
Concen: 424.053 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

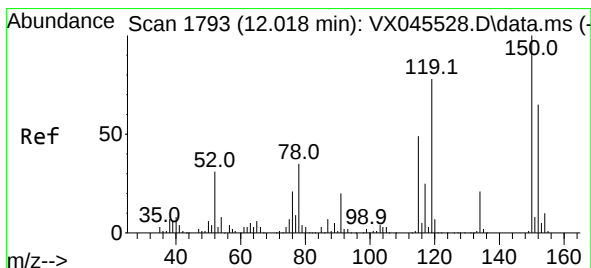
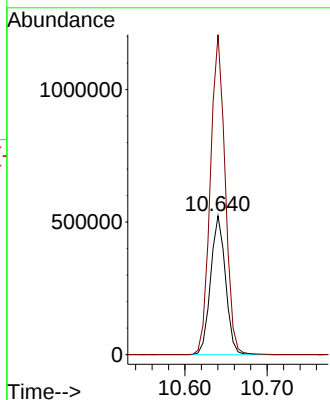
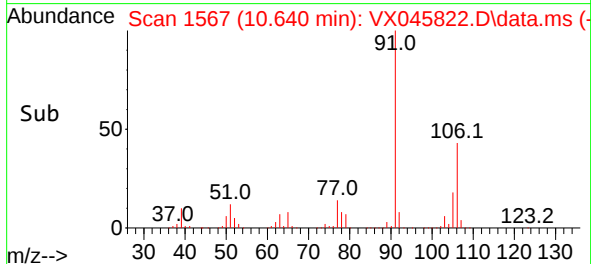
Instrument :
MSVOA_X
ClientSampleId :
285



Tgt Ion:106 Resp: 65642
Ion Ratio Lower Upper
106 100
91 229.6 113.6 340.6

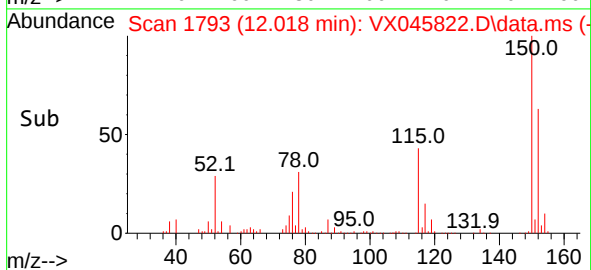
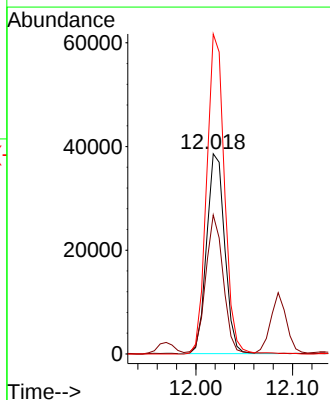
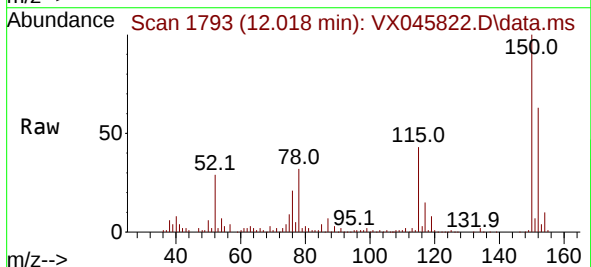
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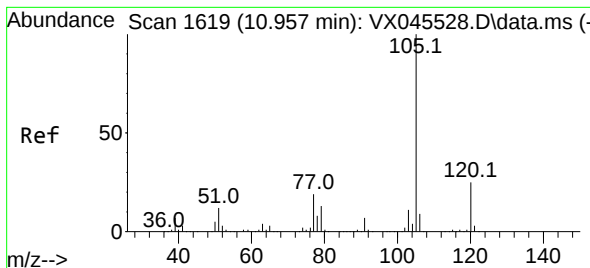
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

Tgt Ion:152 Resp: 50106
Ion Ratio Lower Upper
152 100
115 67.1 46.9 140.7
150 157.8 0.0 349.4





#73

Isopropylbenzene

Concen: 18.976 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX045822.D

Acq: 17 Apr 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

285

Tgt Ion:105 Resp: 7616

Ion Ratio Lower Upper

105 100

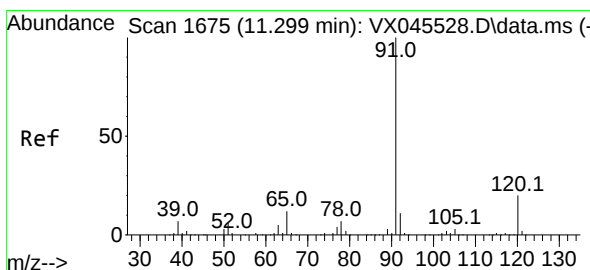
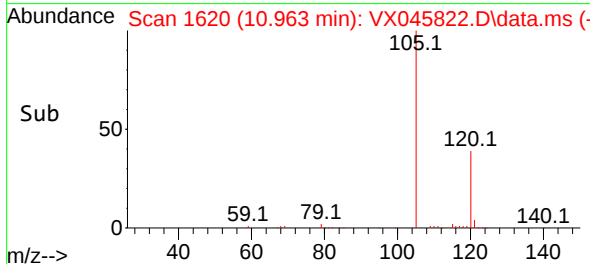
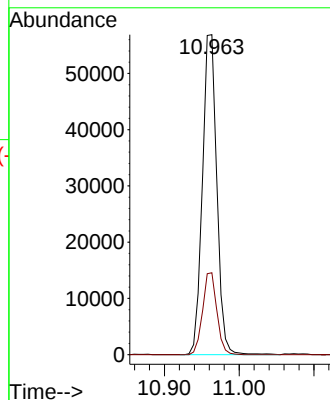
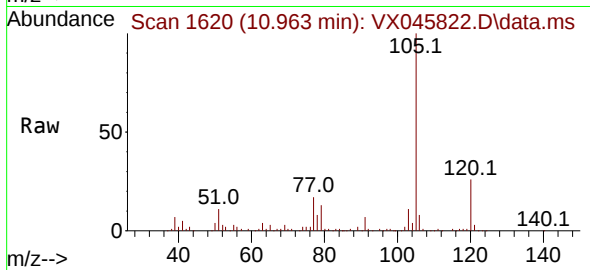
120 25.3 12.7 38.0

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Reviewed By :John Carlone 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#78

n-propylbenzene

Concen: 58.506 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX045822.D

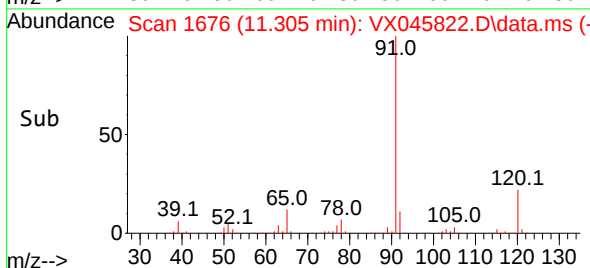
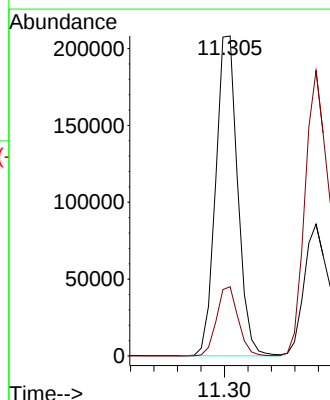
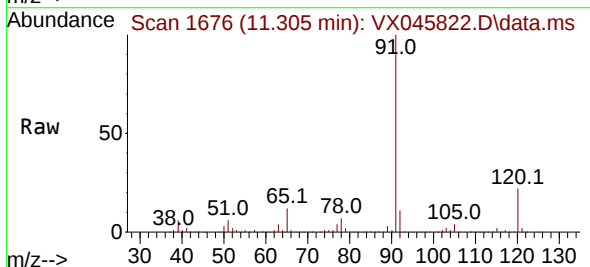
Acq: 17 Apr 2025 12:49

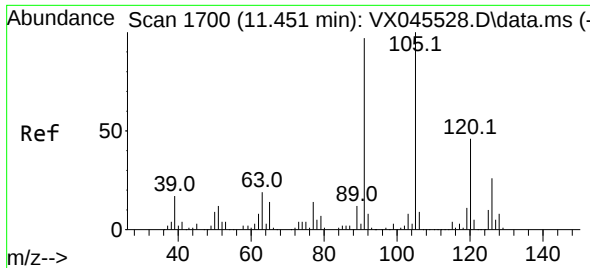
Tgt Ion: 91 Resp: 270469

Ion Ratio Lower Upper

91 100

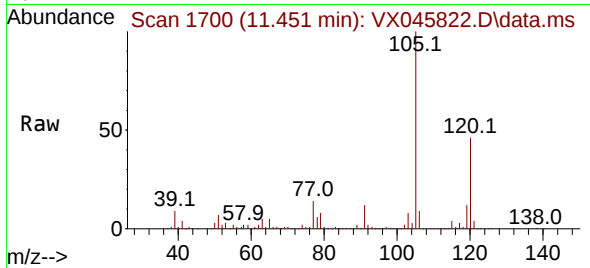
120 21.3 10.8 32.3





#80
 1,3,5-Trimethylbenzene
 Concen: 94.263 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: VX045822.D
 Acq: 17 Apr 2025 12:49

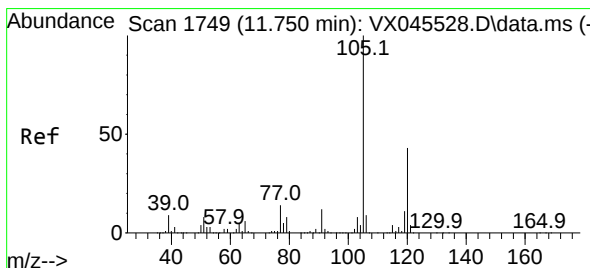
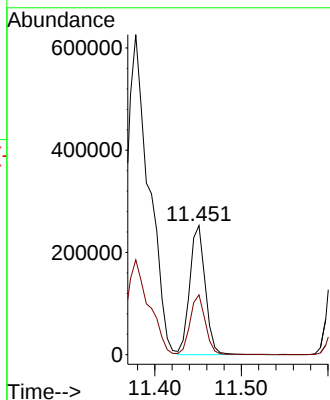
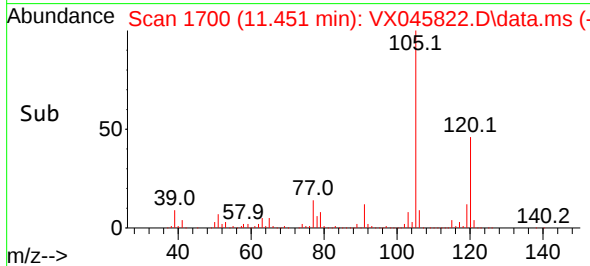
Instrument :
 MSVOA_X
 ClientSampleId :
 285



Tgt Ion:105 Resp: 312840
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.0 69.0

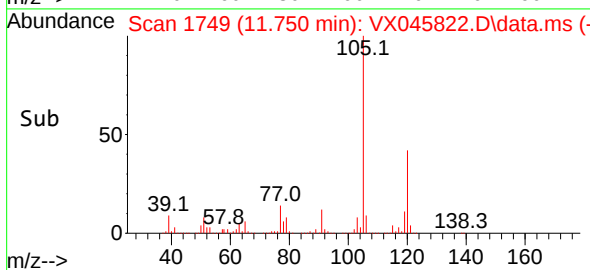
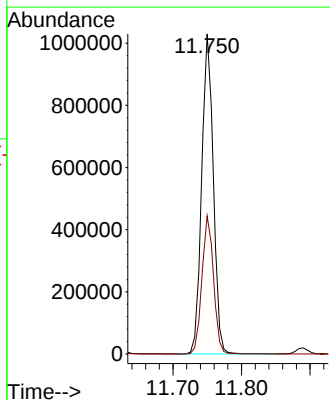
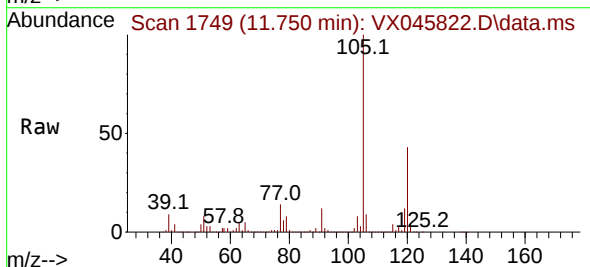
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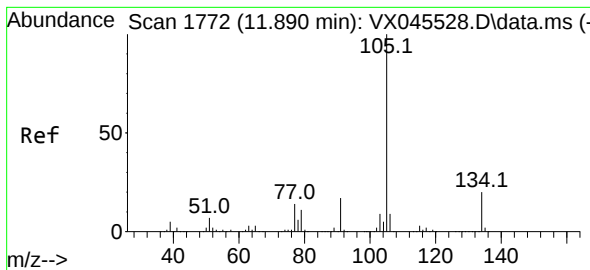
Reviewed By :John Carlone 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#84
 1,2,4-Trimethylbenzene
 Concen: 365.441 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX045822.D
 Acq: 17 Apr 2025 12:49

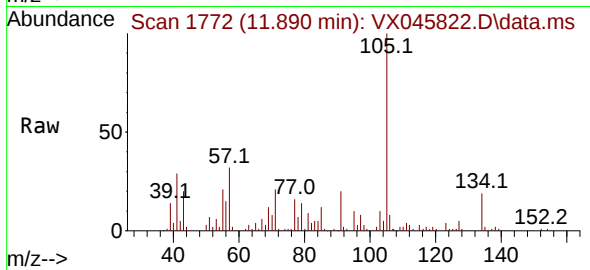
Tgt Ion:105 Resp: 1217313
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.4 64.3





#85
 sec-Butylbenzene
 Concen: 6.057 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX045822.D
 Acq: 17 Apr 2025 12:49

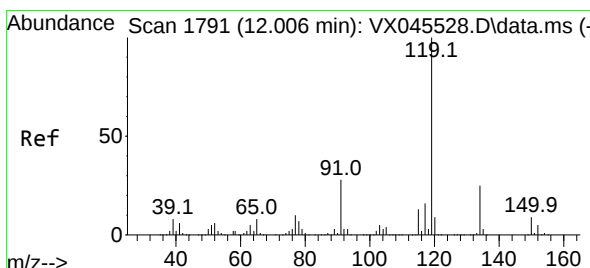
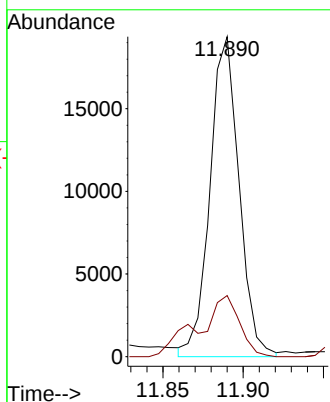
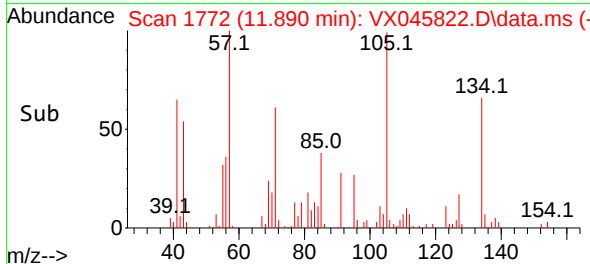
Instrument :
 MSVOA_X
 ClientSampleId :
 285



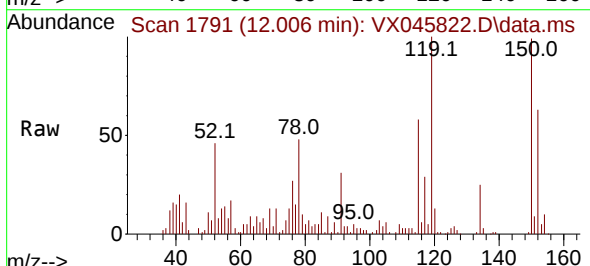
Tgt Ion:105 Resp: 2444
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6

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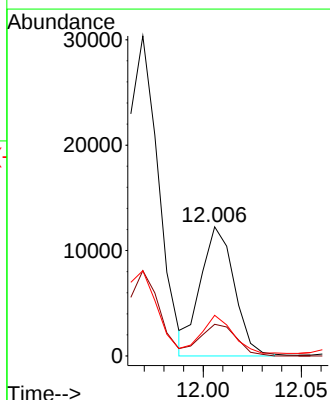
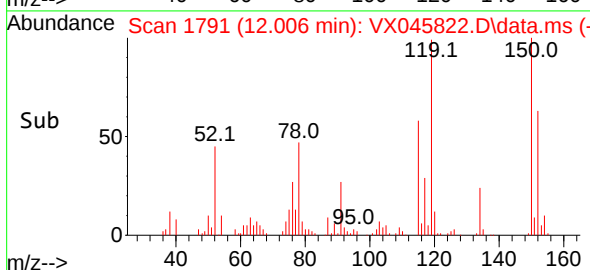
Reviewed By :John Carlone 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

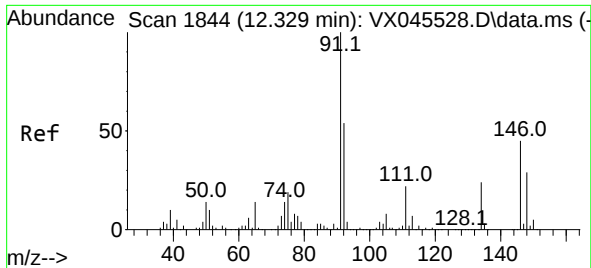


#86
 p-Isopropyltoluene
 Concen: 4.411 ug/l m
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX045822.D
 Acq: 17 Apr 2025 12:49



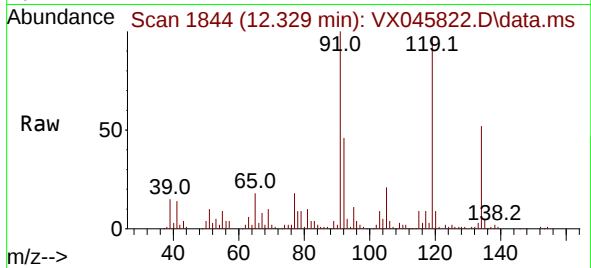
Tgt Ion:119 Resp: 14677
 Ion Ratio Lower Upper
 119 100
 134 62.8 12.6 37.8#
 91 65.1 13.7 41.1#





#89
n-Butylbenzene
Concen: 22.695 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

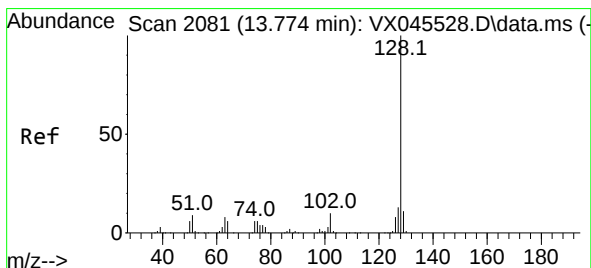
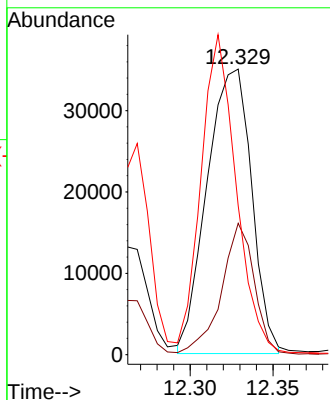
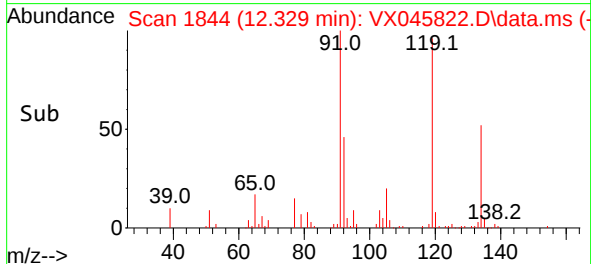
Instrument :
MSVOA_X
ClientSampleId :
285



Tgt Ion: 91 Resp: 6548
Ion Ratio Lower Upper
91 100
92 33.9 26.9 80.6
134 87.9 11.9 35.7

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Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#95
Naphthalene
Concen: 30.102 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045822.D
Acq: 17 Apr 2025 12:49

Tgt Ion:128 Resp: 104649
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 11.2 8.6 12.8

