

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
 Data File : VX047260.D
 Acq On : 07 Aug 2025 14:44
 Operator : JC/MD
 Sample : Q2786-04
 Misc : 4.60g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-03-08062025

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/08/2025
 Supervised By :Mahesh Dadoda 08/08/2025

Quant Time: Aug 08 02:44:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	389702	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	685816	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	562461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	272288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	242182	49.889	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.780%		
35) Dibromofluoromethane	5.385	113	215861	50.977	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.960%		
50) Toluene-d8	8.647	98	716252	52.231	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.460%		
62) 4-Bromofluorobenzene	11.079	95	287288	48.614	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.220%		
Target Compounds						Qvalue
10) Methyl Iodide	2.459	142	57171	11.345	ug/l	97
39) Methylcyclohexane	7.379	83	570321	63.284	ug/l	94
67) Ethyl Benzene	10.195	91	203874	8.849	ug/l	99
68) m/p-Xylenes	10.299	106	90155	10.457	ug/l	98
73) Isopropylbenzene	10.964	105	503080	23.419	ug/l	100
78) n-propylbenzene	11.305	91	1944692	75.756	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	384878	21.687	ug/l	99
83) tert-Butylbenzene	11.713	119	22743	1.277	ug/l	85
84) 1,2,4-Trimethylbenzene	11.750	105	482718	27.270	ug/l	99
85) sec-Butylbenzene	11.890	105	443050	19.907	ug/l	94
86) p-Isopropyltoluene	12.006	119	104745	5.675	ug/l	97
89) n-Butylbenzene	12.329	91	988889m	57.133	ug/l	

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

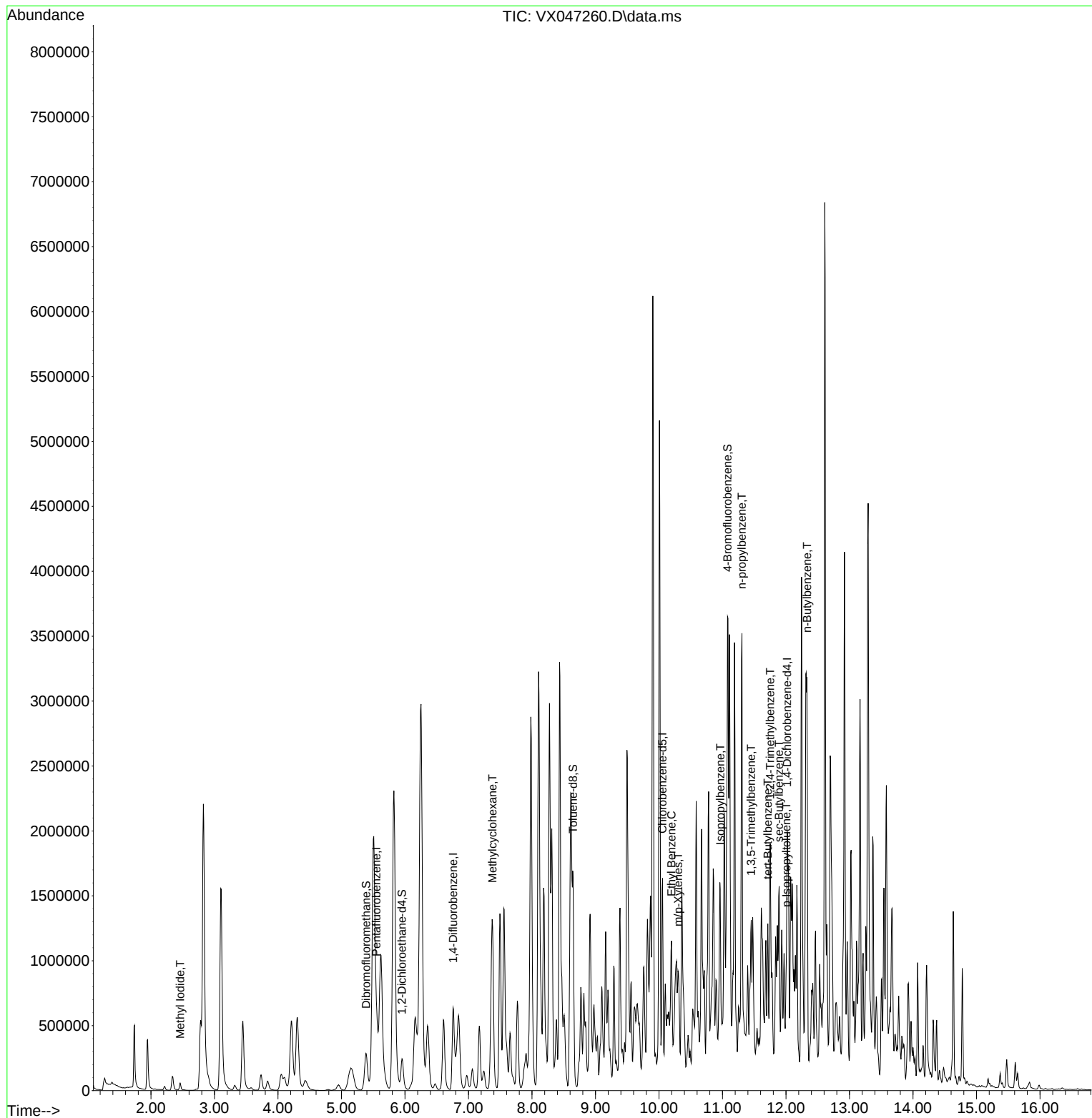
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
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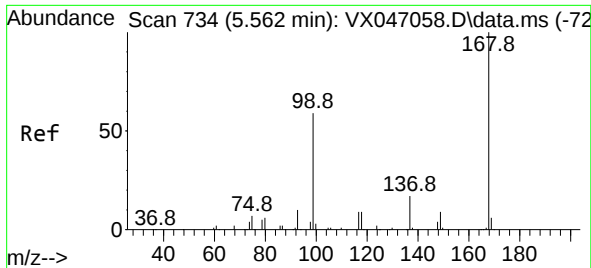
Instrument :
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Quant Time: Aug 08 02:44:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
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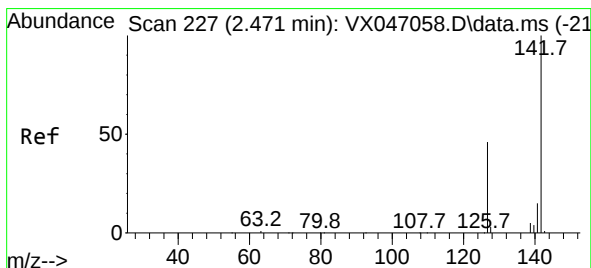
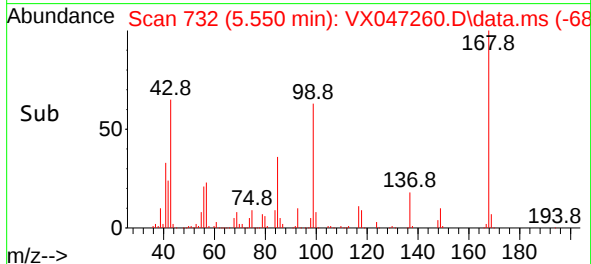
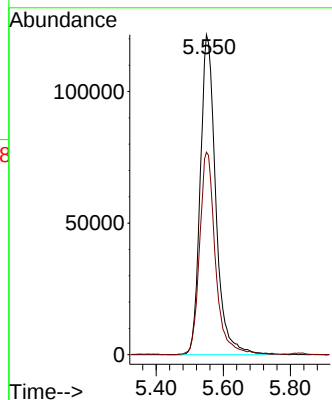
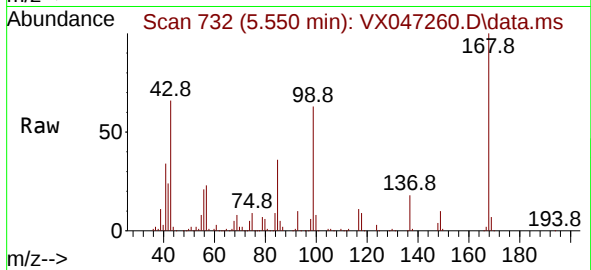
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
PL-03-08062025

Tgt Ion:168 Resp: 38970
Ion Ratio Lower Upper
168 100
99 63.2 48.0 72.0

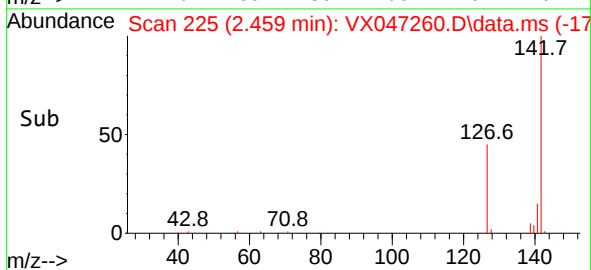
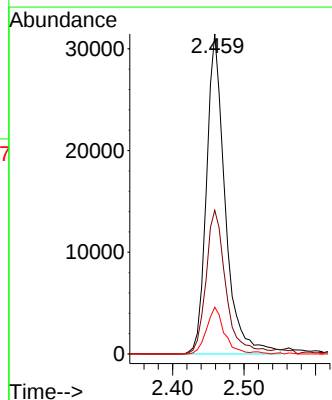
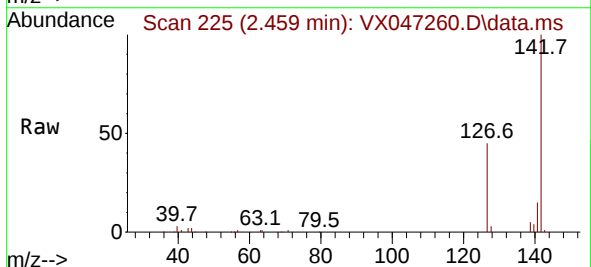
Manual Integrations
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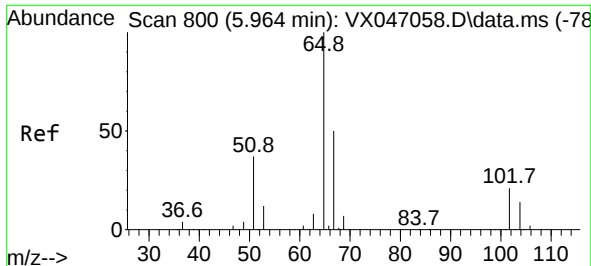
Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025



#10
Methyl Iodide
Concen: 11.345 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.012 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

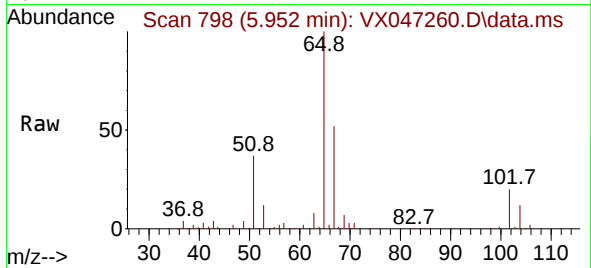
Tgt Ion:142 Resp: 57171
Ion Ratio Lower Upper
142 100
127 48.0 36.6 54.8
141 13.8 10.9 16.3





#33
 1,2-Dichloroethane-d4
 Concen: 49.889 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.012 min
 Lab File: VX047260.D
 Acq: 07 Aug 2025 14:44

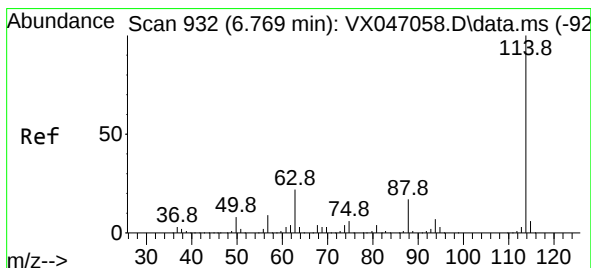
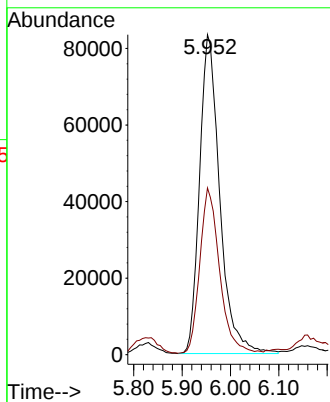
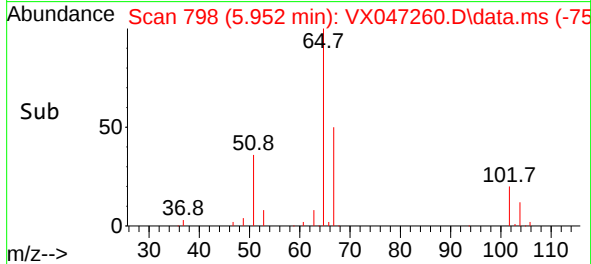
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-03-08062025



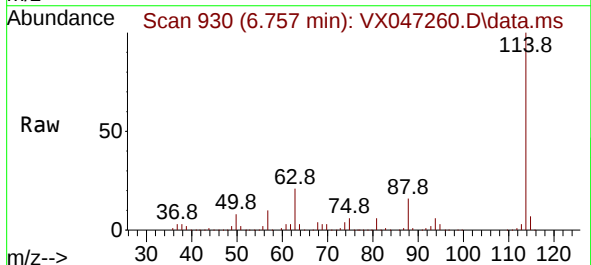
Tgt Ion: 65 Resp: 24218
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.8

Manual Integrations
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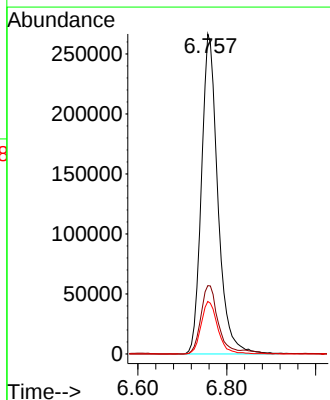
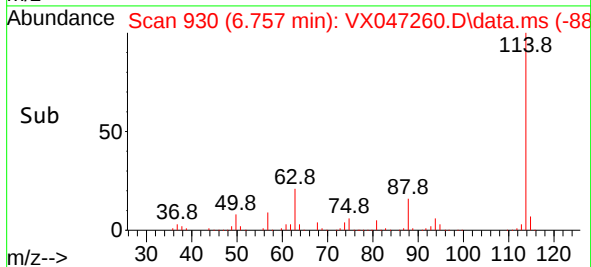
Reviewed By :John Carlone 08/08/2025
 Supervised By :Mahesh Dadoda 08/08/2025

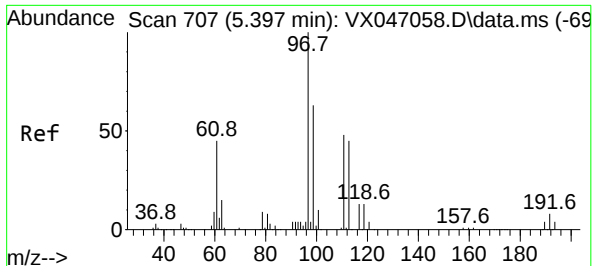


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.012 min
 Lab File: VX047260.D
 Acq: 07 Aug 2025 14:44



Tgt Ion:114 Resp: 685816
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.977 ug/l

RT: 5.385 min Scan# 707

Delta R.T. -0.012 min

Lab File: VX047260.D

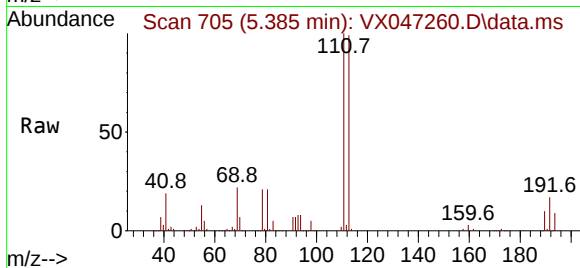
Acq: 07 Aug 2025 14:44

Instrument :

MSVOA_X

ClientSampleId :

PL-03-08062025



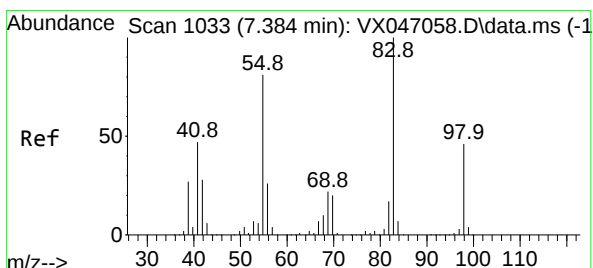
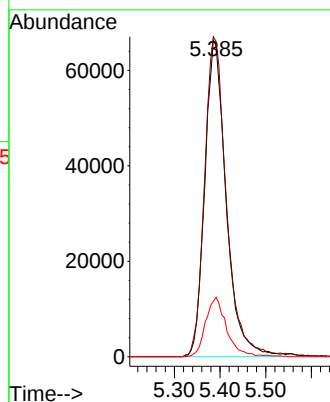
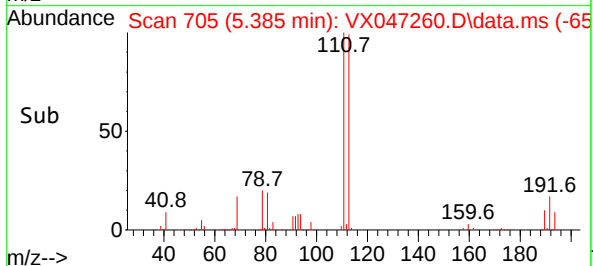
Tgt Ion:	113	Resp:	21586
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	18.5	14.9	22.3

Manual Integrations

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Reviewed By :John Carlone 08/08/2025

Supervised By :Mahesh Dadoda 08/08/2025



#39

Methylcyclohexane

Concen: 63.284 ug/l

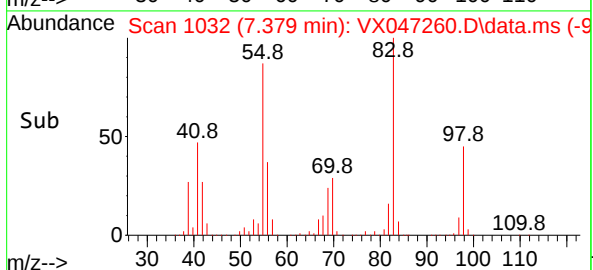
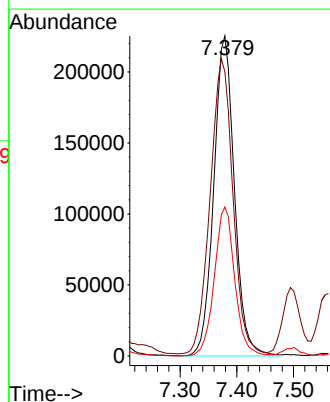
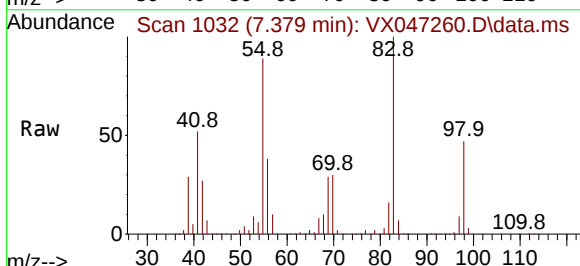
RT: 7.379 min Scan# 1032

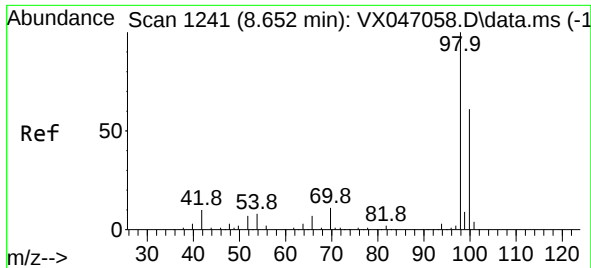
Delta R.T. -0.006 min

Lab File: VX047260.D

Acq: 07 Aug 2025 14:44

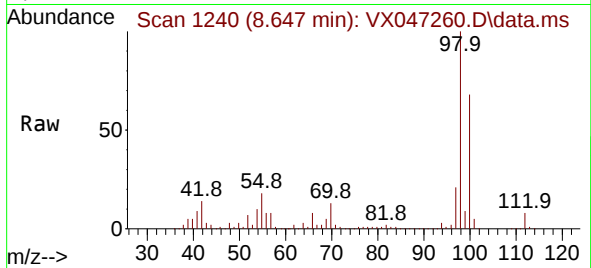
Tgt Ion:	83	Resp:	570321
Ion	Ratio	Lower	Upper
83	100		
55	88.1	64.5	96.7
98	46.5	36.9	55.3





#50
Toluene-d8
Concen: 52.231 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

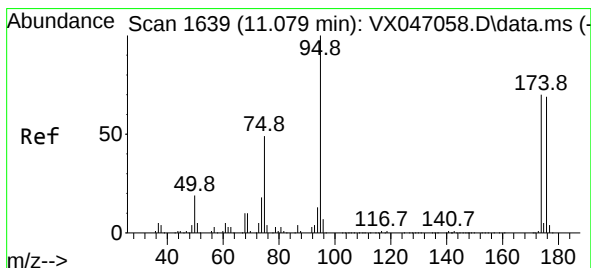
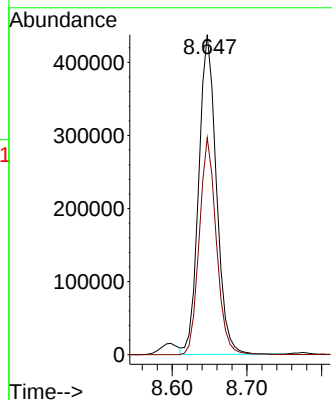
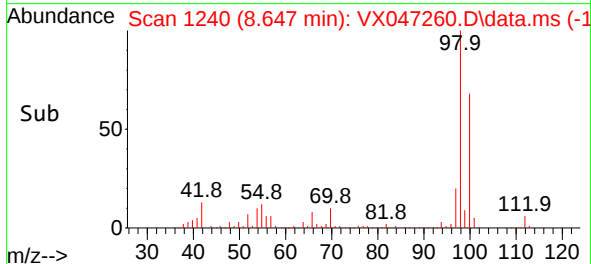
Instrument :
MSVOA_X
ClientSampleId :
PL-03-08062025



Tgt Ion: 98 Resp: 716252
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9

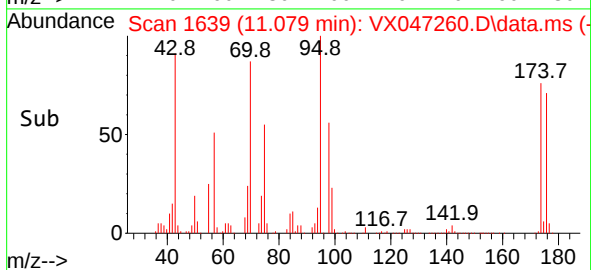
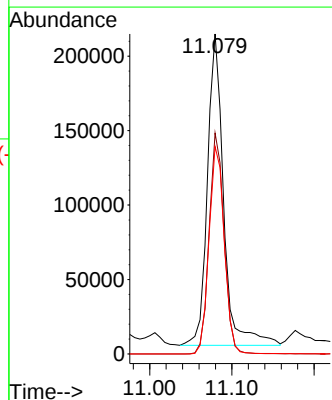
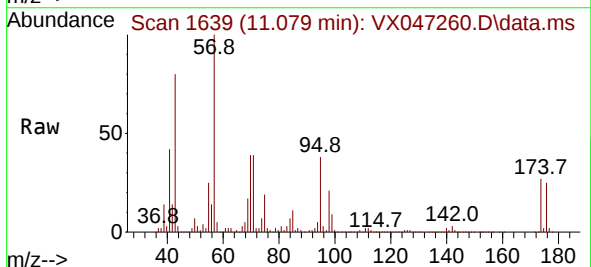
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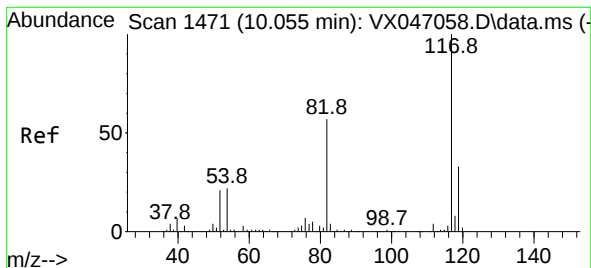
Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025



#62
4-Bromofluorobenzene
Concen: 48.614 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

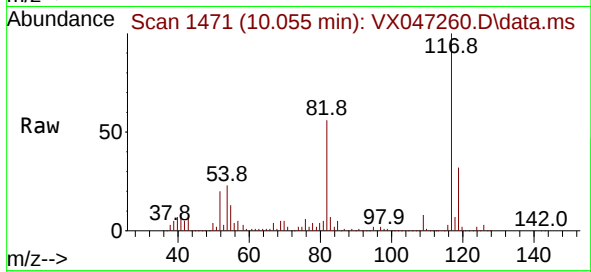
Tgt Ion: 95 Resp: 287288
Ion Ratio Lower Upper
95 100
174 65.0 0.0 144.6
176 62.7 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

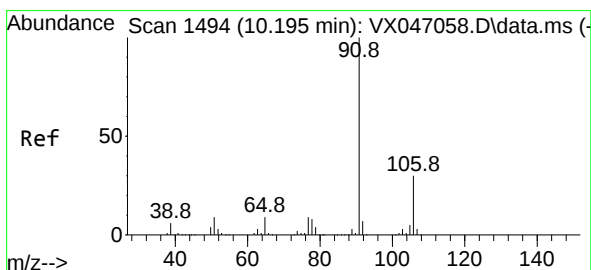
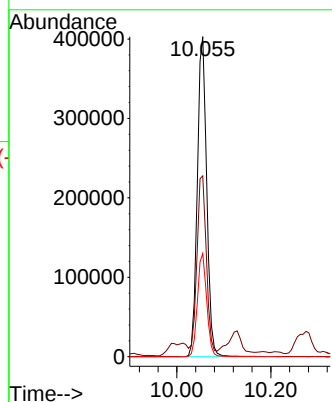
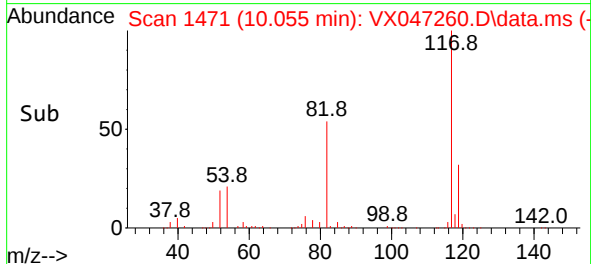
Instrument :
MSVOA_X
ClientSampleId :
PL-03-08062025



Tgt Ion:117 Resp: 56246
Ion Ratio Lower Upper
117 100
82 55.1 45.4 68.2
119 32.3 26.1 39.1

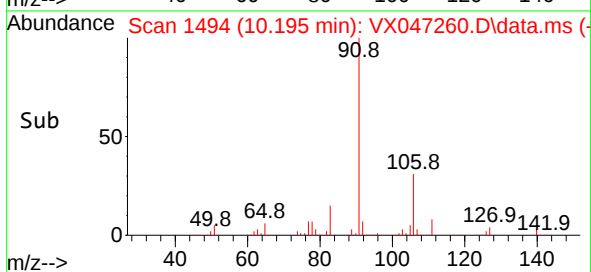
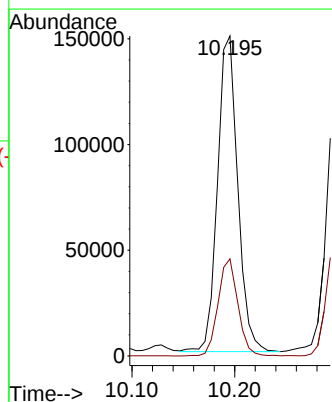
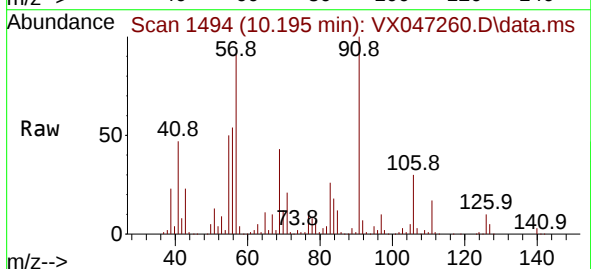
Manual Integrations
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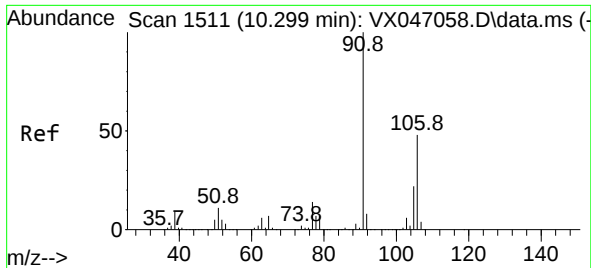
Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025



#67
Ethyl Benzene
Concen: 8.849 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

Tgt Ion: 91 Resp: 203874
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.4





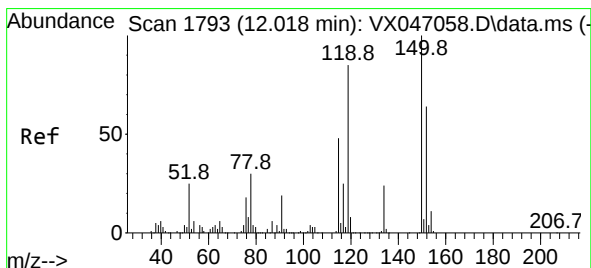
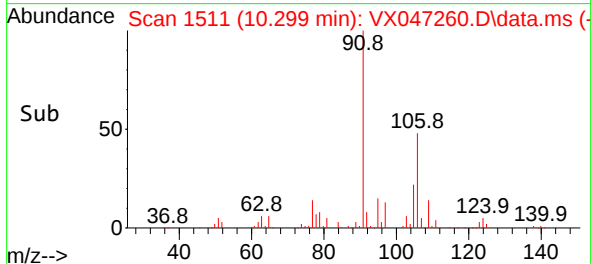
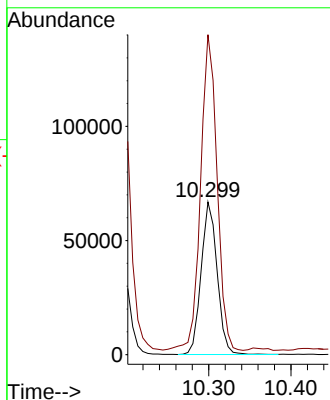
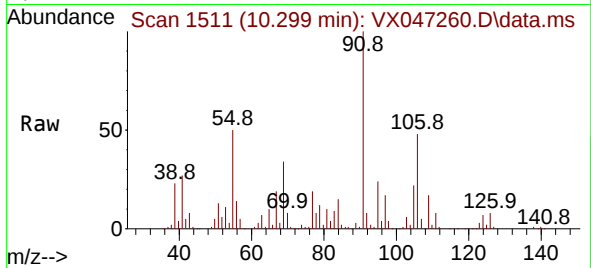
#68
m/p-Xylenes
Concen: 10.457 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
PL-03-08062025

Tgt Ion:106 Resp: 90158
Ion Ratio Lower Upper
106 100
91 212.4 167.4 251.0

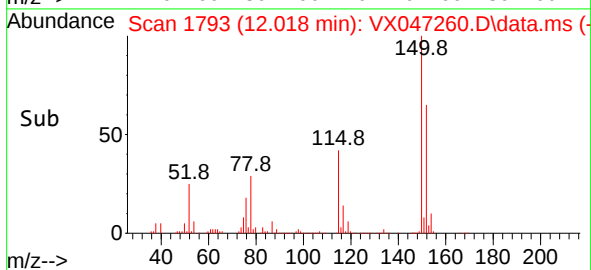
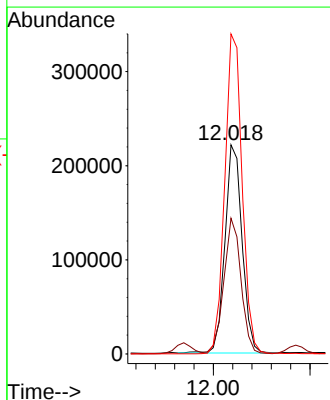
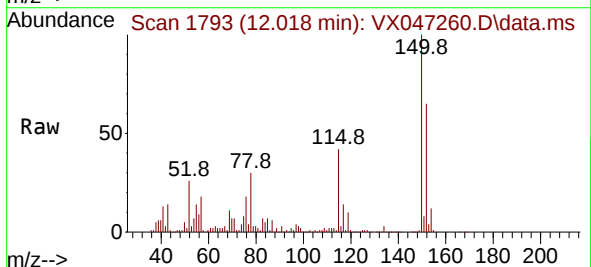
Manual Integrations
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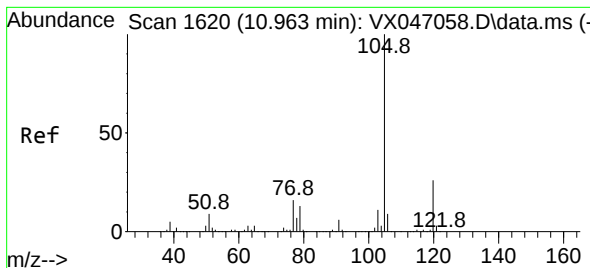
Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

Tgt Ion:152 Resp: 272288
Ion Ratio Lower Upper
152 100
115 65.0 45.6 136.7
150 155.7 0.0 354.6





#73

Isopropylbenzene

Concen: 23.419 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX047260.D

Acq: 07 Aug 2025 14:44

Instrument :

MSVOA_X

ClientSampleId :

PL-03-08062025

Tgt Ion:105 Resp: 503080

Ion Ratio Lower Upper

105 100

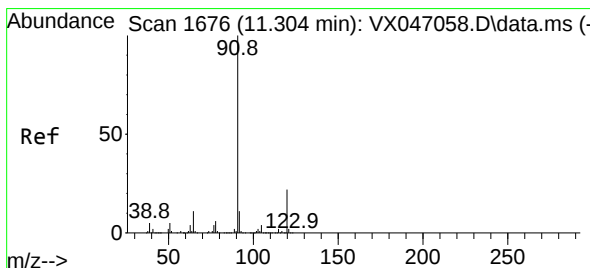
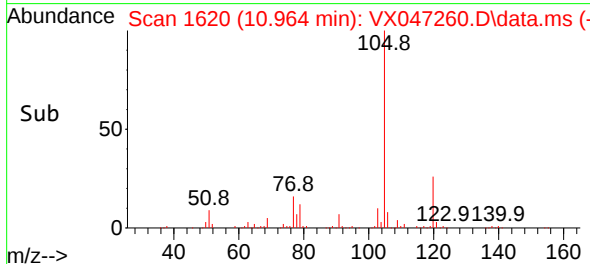
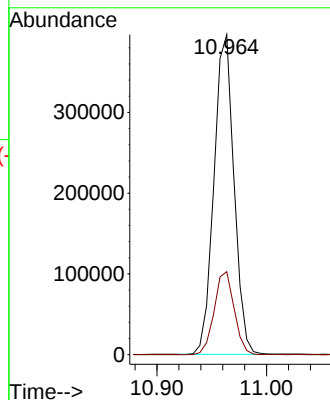
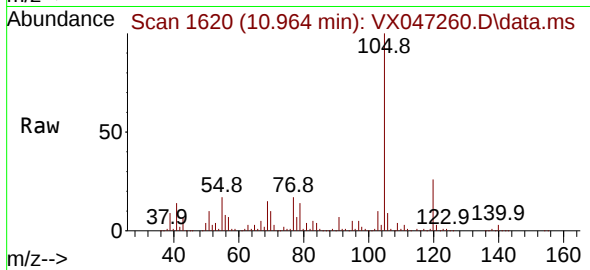
120 25.9 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2025

Supervised By :Mahesh Dadoda 08/08/2025



#78

n-propylbenzene

Concen: 75.756 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.001 min

Lab File: VX047260.D

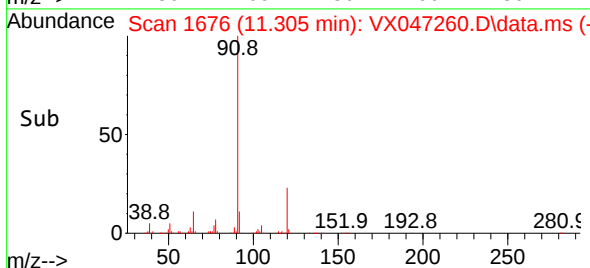
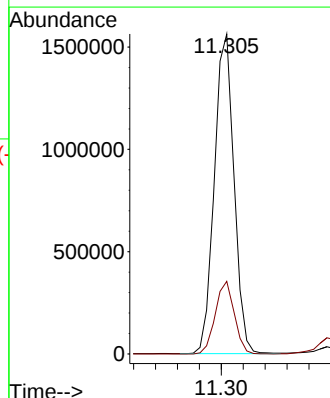
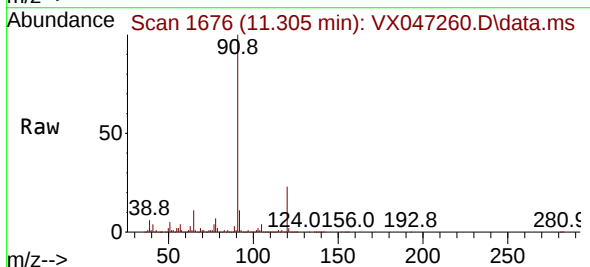
Acq: 07 Aug 2025 14:44

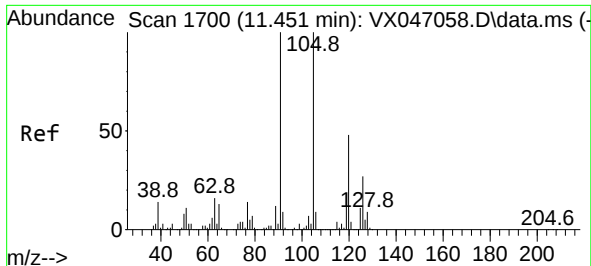
Tgt Ion: 91 Resp: 1944692

Ion Ratio Lower Upper

91 100

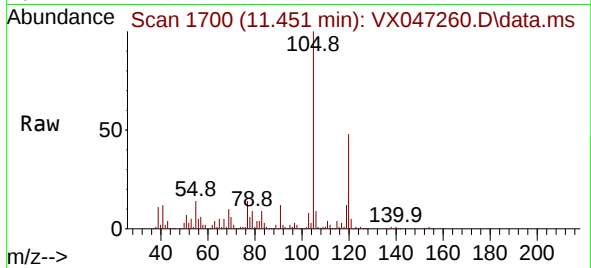
120 22.0 11.0 33.0





#80
1,3,5-Trimethylbenzene
Concen: 21.687 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

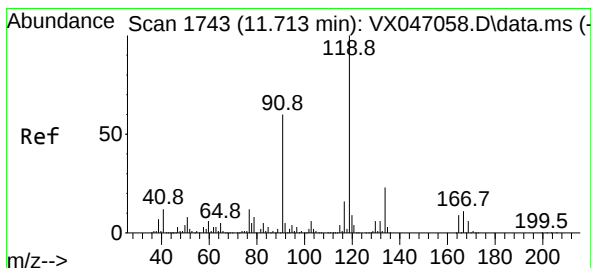
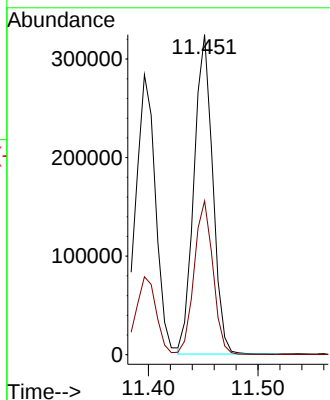
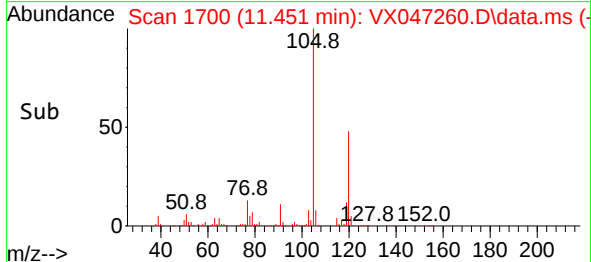
Instrument :
MSVOA_X
ClientSampleId :
PL-03-08062025



Tgt Ion:105 Resp: 384878
Ion Ratio Lower Upper
105 100
120 48.6 23.8 71.5

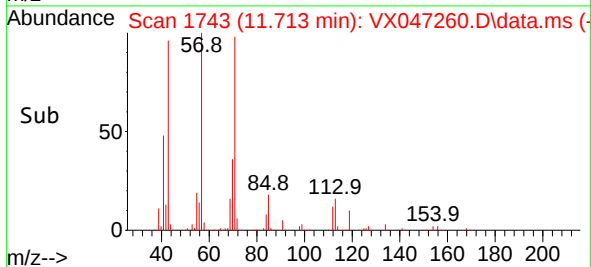
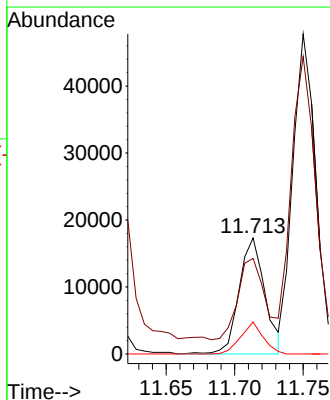
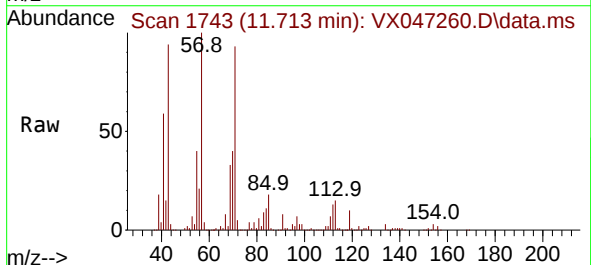
Manual Integrations
APPROVED

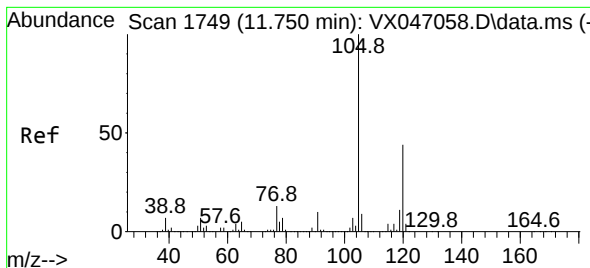
Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025



#83
tert-Butylbenzene
Concen: 1.277 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

Tgt Ion:119 Resp: 22743
Ion Ratio Lower Upper
119 100
91 73.7 29.6 88.8
134 24.0 11.4 34.1





#84

1,2,4-Trimethylbenzene

Concen: 27.270 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX047260.D

Acq: 07 Aug 2025 14:44

Instrument :

MSVOA_X

ClientSampleId :

PL-03-08062025

Tgt Ion:105 Resp: 482718

Ion Ratio Lower Upper

105 100

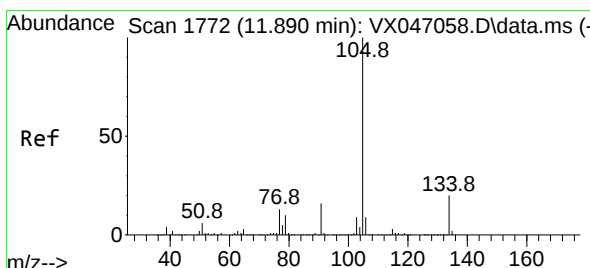
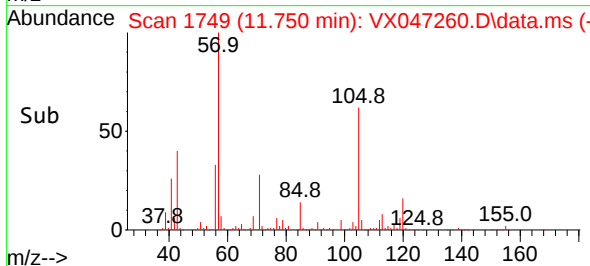
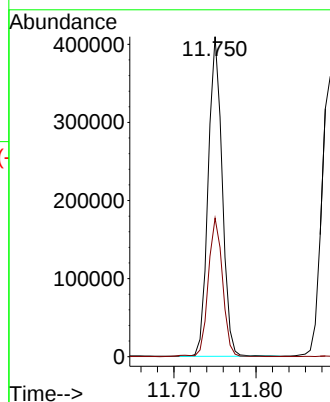
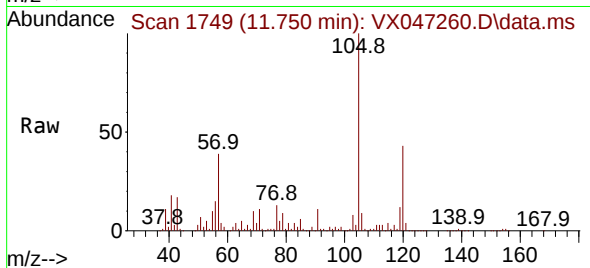
120 44.5 22.0 66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/08/2025

Supervised By :Mahesh Dadoda 08/08/2025



#85

sec-Butylbenzene

Concen: 19.907 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX047260.D

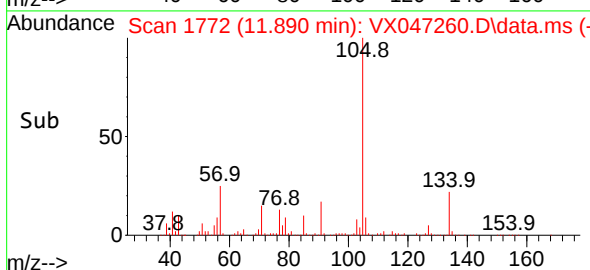
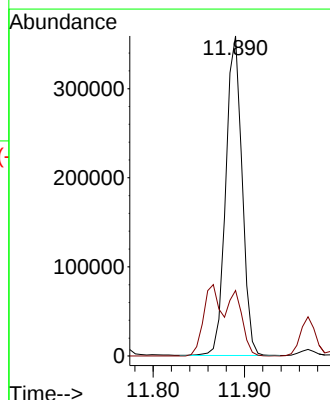
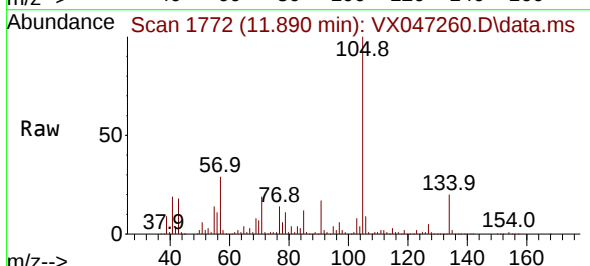
Acq: 07 Aug 2025 14:44

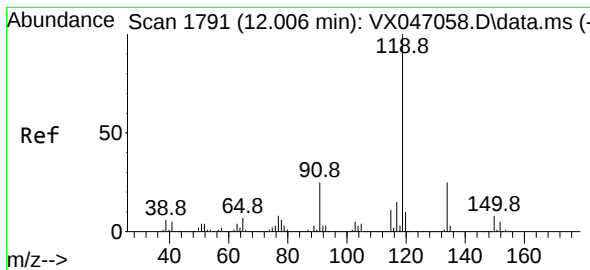
Tgt Ion:105 Resp: 443050

Ion Ratio Lower Upper

105 100

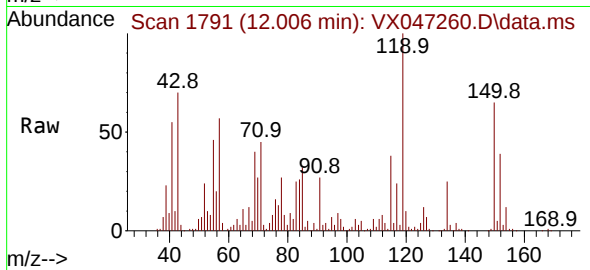
134 17.2 9.9 29.7





#86
p-Isopropyltoluene
Concen: 5.675 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44

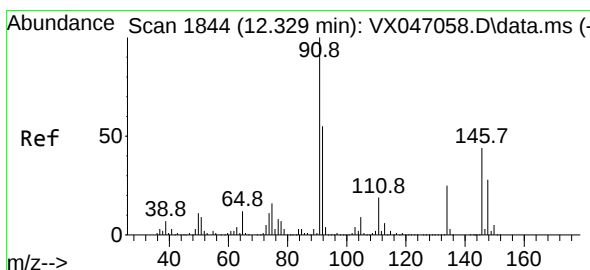
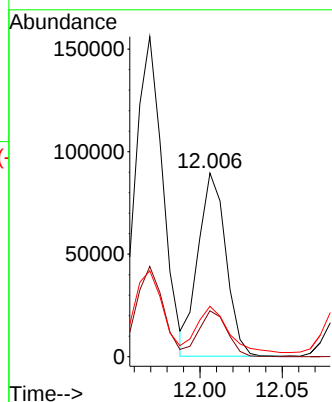
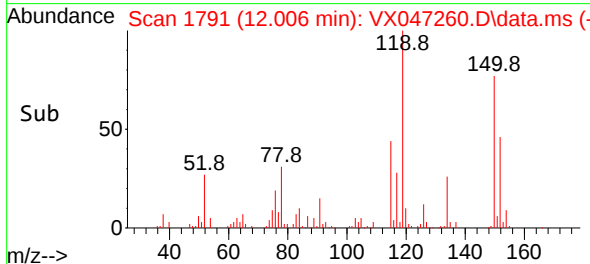
Instrument :
MSVOA_X
ClientSampleId :
PL-03-08062025



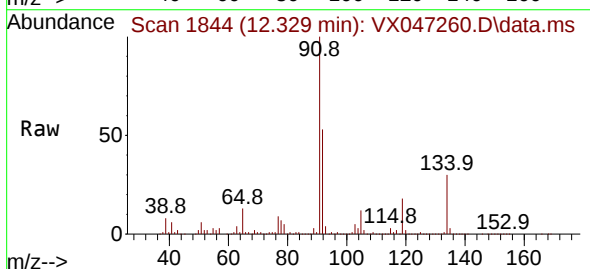
Tgt Ion: 119 Resp: 104749
Ion Ratio Lower Upper
119 100
134 25.8 12.8 38.4
91 27.7 12.4 37.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025



#89
n-Butylbenzene
Concen: 57.133 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. 0.001 min
Lab File: VX047260.D
Acq: 07 Aug 2025 14:44



Tgt Ion: 91 Resp: 988889
Ion Ratio Lower Upper
91 100
92 58.4 27.5 82.5
134 63.0 12.8 38.3#

