

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046810.D
 Acq On : 23 Jun 2025 11:22
 Operator : JC/MD
 Sample : Q2354-01 10X
 Misc : 3.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 3321

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 04:02:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	181704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	318547	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	286386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	134114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	120771	48.053	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.100%		
35) Dibromofluoromethane	5.391	113	101487	48.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.300%		
50) Toluene-d8	8.647	98	381073	50.326	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.660%		
62) 4-Bromofluorobenzene	11.079	95	140805	49.884	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.760%		
Target Compounds					Qvalue	
10) Methyl Iodide	2.471	142	1407	4.827	ug/l #	95
31) Cyclohexane	5.495	56	6980	1.855	ug/l	91
39) Methylcyclohexane	7.385	83	27915	6.972	ug/l	97
52) Toluene	8.720	92	32000	5.733	ug/l	98
67) Ethyl Benzene	10.195	91	42974	3.890	ug/l	99
68) m/p-Xylenes	10.299	106	57663	14.010	ug/l	99
69) o-Xylene	10.640	106	27606	7.157	ug/l	97
73) Isopropylbenzene	10.963	105	16319	1.652	ug/l	99
78) n-propylbenzene	11.305	91	66186	5.641	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	77883	9.595	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	299381	36.711	ug/l	99
85) sec-Butylbenzene	11.890	105	32804	3.094	ug/l	86
86) p-Isopropyltoluene	12.006	119	19077	2.132	ug/l	98
89) n-Butylbenzene	12.329	91	53819m	6.335	ug/l	

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

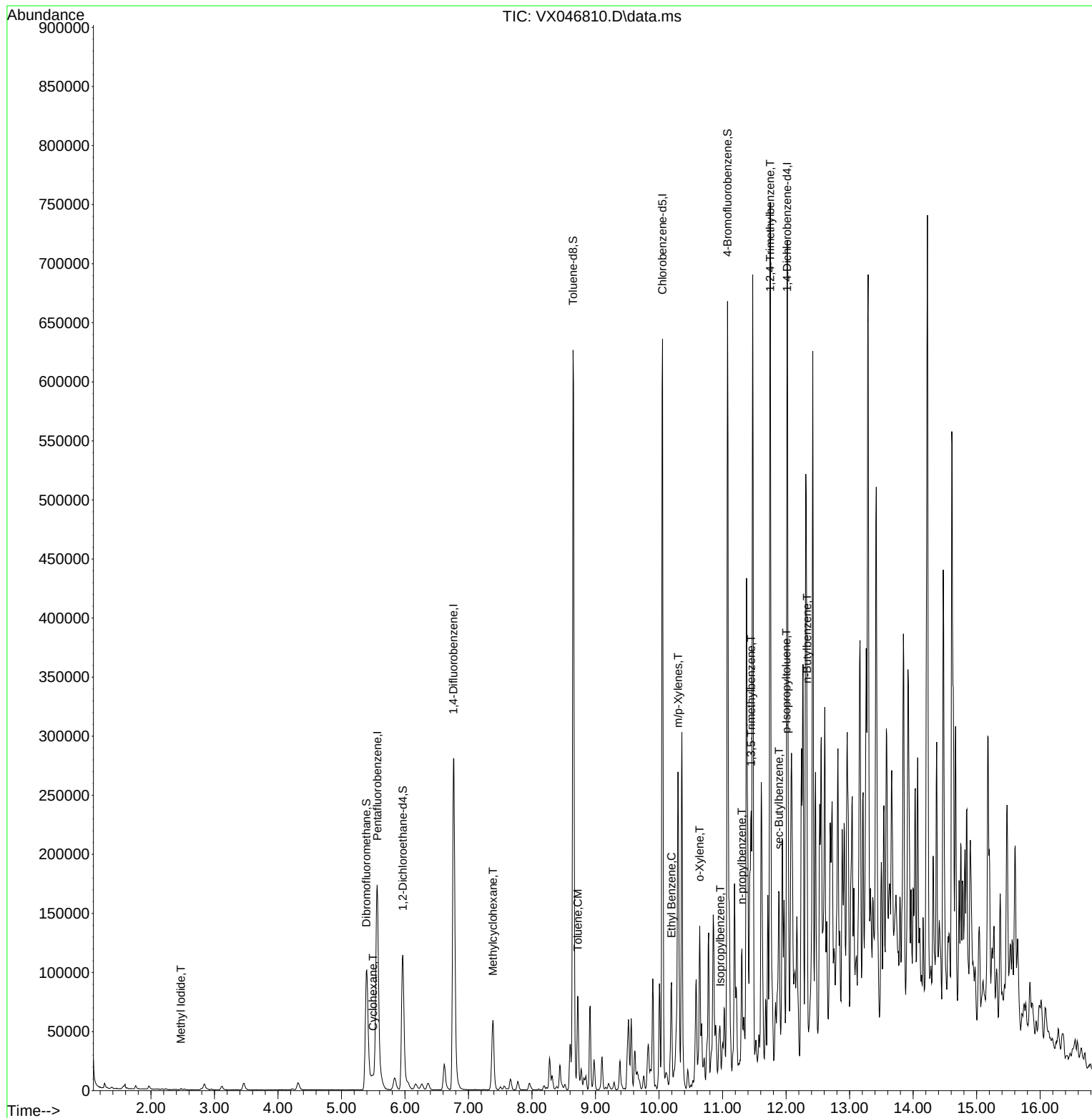
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046810.D
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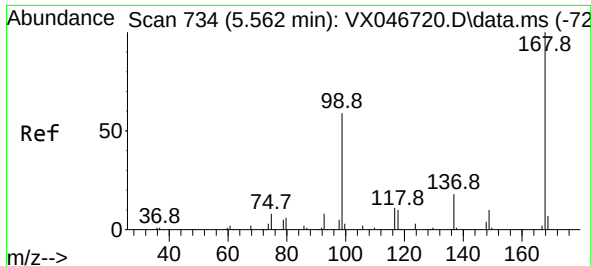
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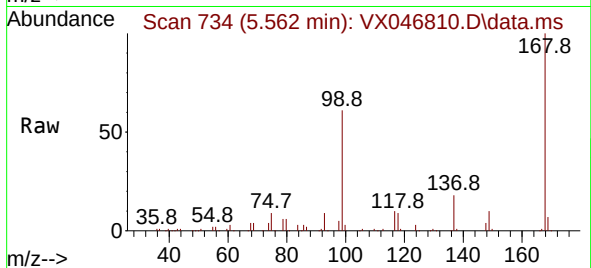
Quant Time: Jun 24 04:02:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

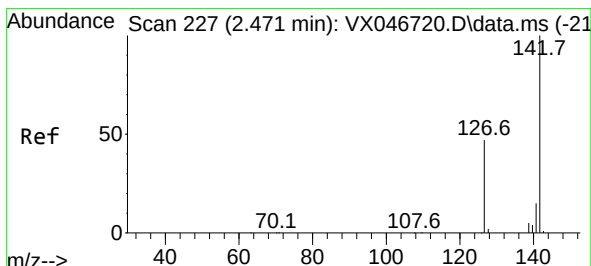
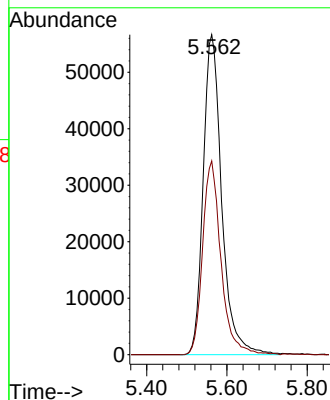
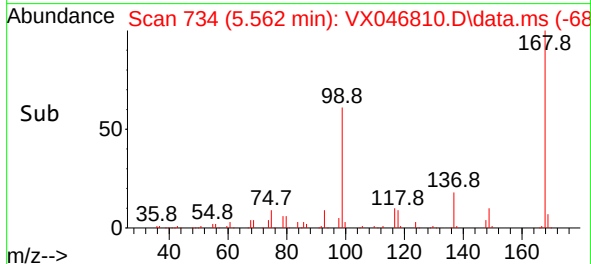
Instrument :
MSVOA_X
ClientSampleId :
3321



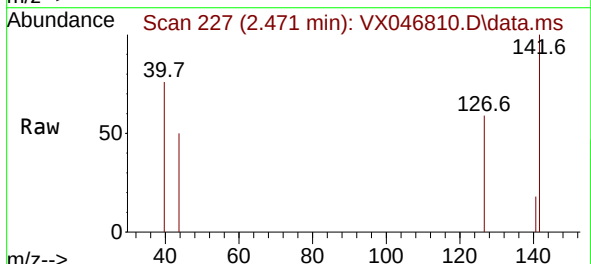
Tgt Ion:168 Resp: 181704
Ion Ratio Lower Upper
168 100
99 60.6 48.5 72.7

Manual Integrations
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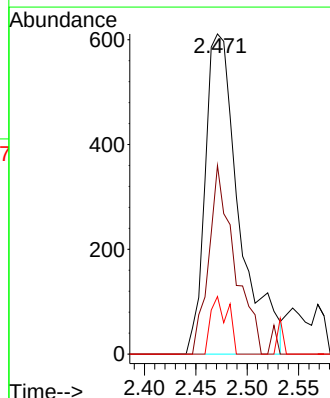
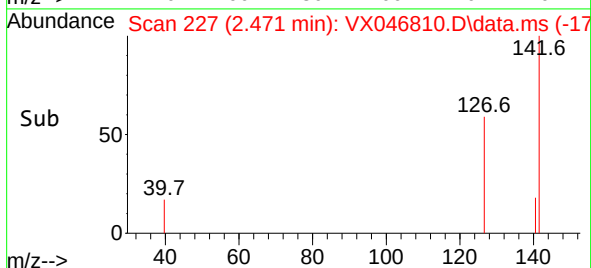
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

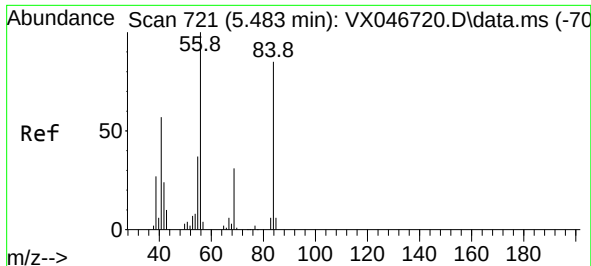


#10
Methyl Iodide
Concen: 4.827 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22



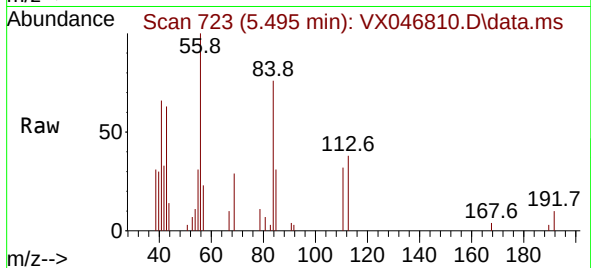
Tgt Ion:142 Resp: 1407
Ion Ratio Lower Upper
142 100
127 44.6 37.0 55.6
141 9.1 11.5 17.3#





#31
Cyclohexane
Concen: 1.855 ug/l
RT: 5.495 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

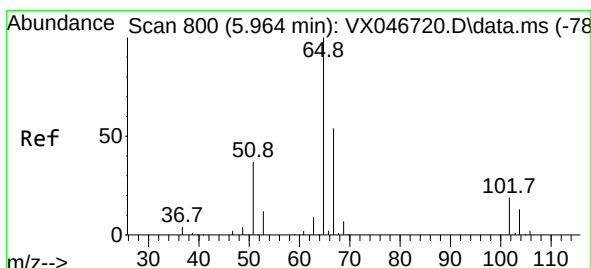
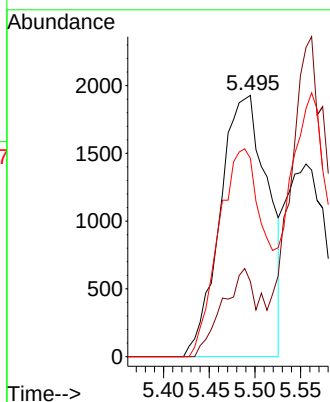
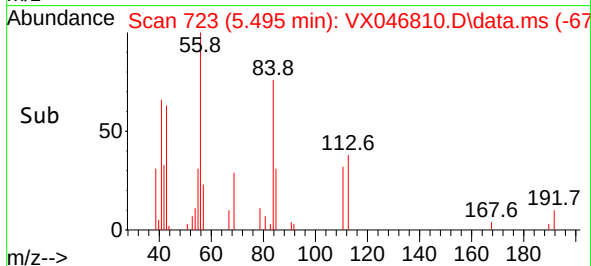
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ClientSampleId :
3321



Tgt Ion: 56 Resp: 6980
Ion Ratio Lower Upper
56 100
69 28.8 24.8 37.2
84 75.9 68.2 102.2

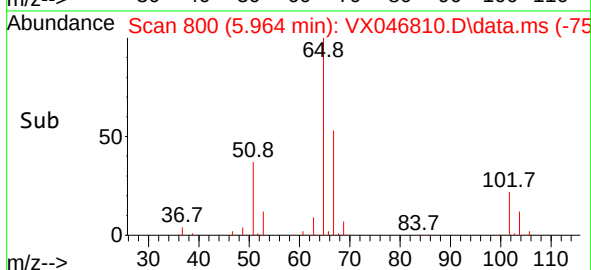
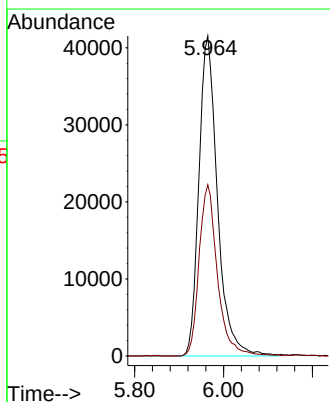
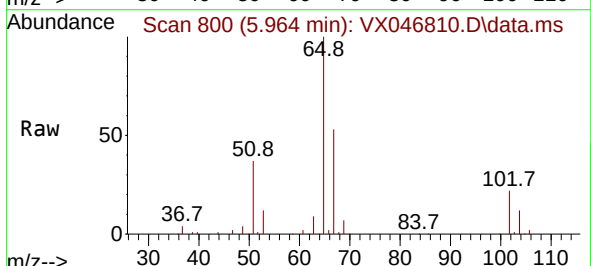
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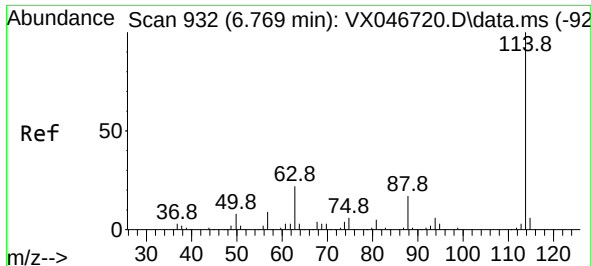
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#33
1,2-Dichloroethane-d4
Concen: 48.053 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

Tgt Ion: 65 Resp: 120771
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4





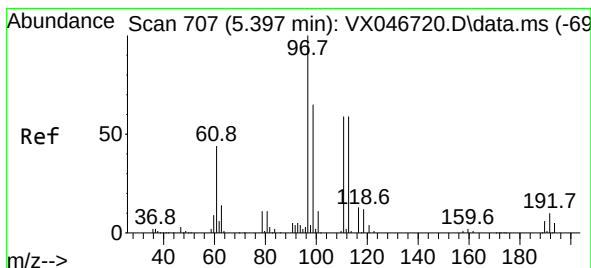
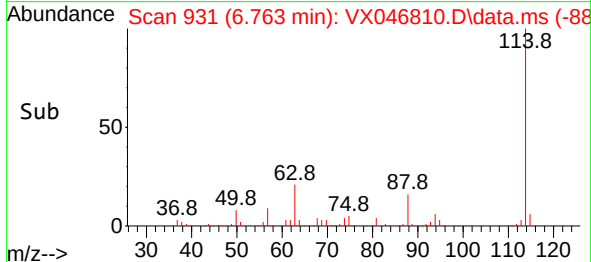
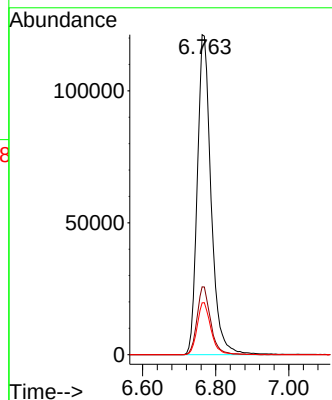
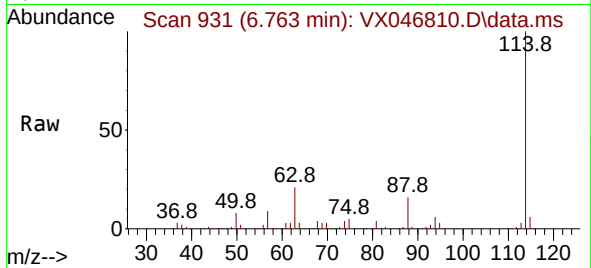
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

Instrument :
MSVOA_X
ClientSampleId :
3321

Tgt Ion:114 Resp: 31854
Ion Ratio Lower Upper
114 100
63 21.2 0.0 44.2
88 16.2 0.0 33.2

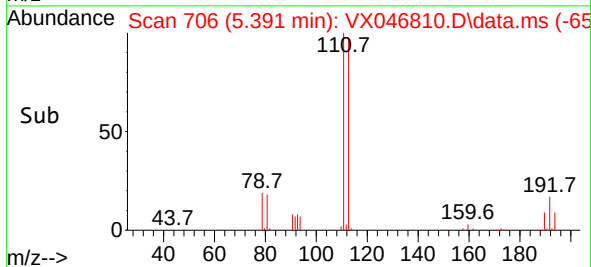
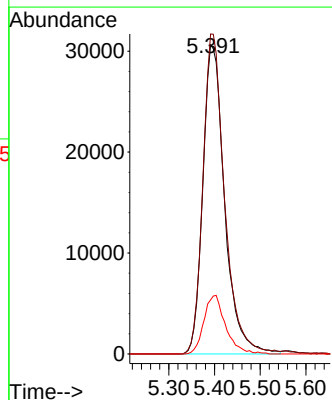
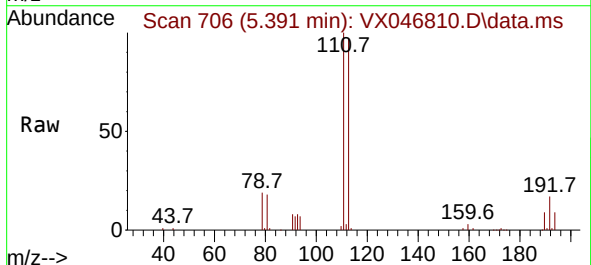
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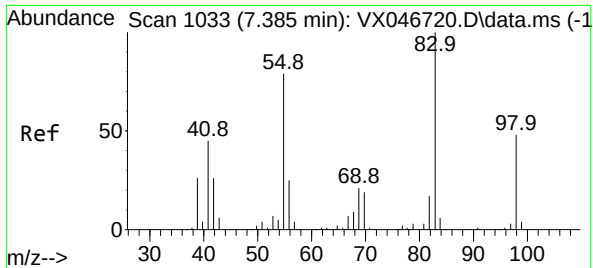
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#35
Dibromofluoromethane
Concen: 48.153 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

Tgt Ion:113 Resp: 101487
Ion Ratio Lower Upper
113 100
111 103.0 82.0 123.0
192 18.7 15.3 22.9





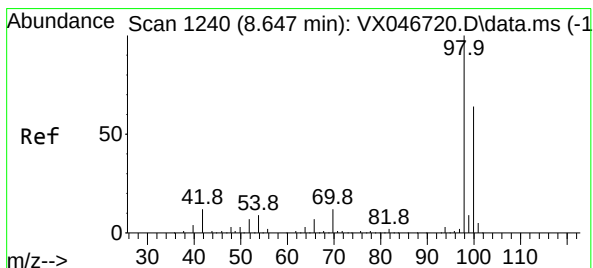
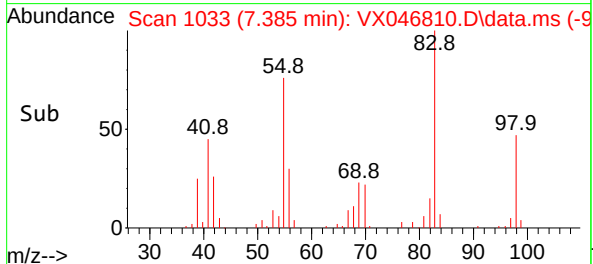
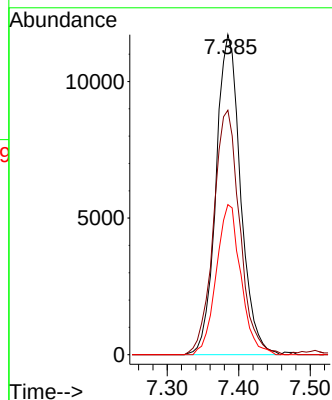
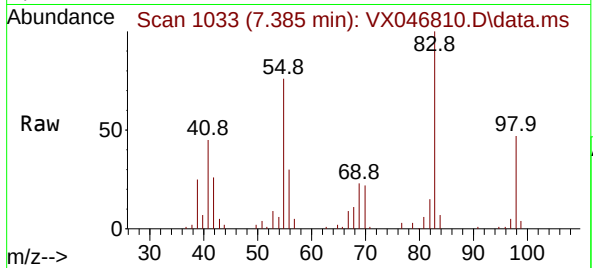
#39
Methylcyclohexane
Concen: 6.972 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

Instrument :
MSVOA_X
ClientSampleId :
3321

Tgt Ion: 83 Resp: 27915
Ion Ratio Lower Upper
83 100
55 76.4 63.0 94.4
98 46.9 38.8 58.2

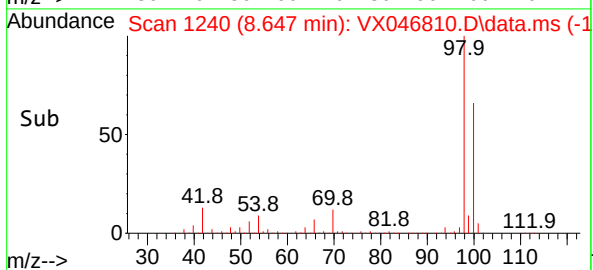
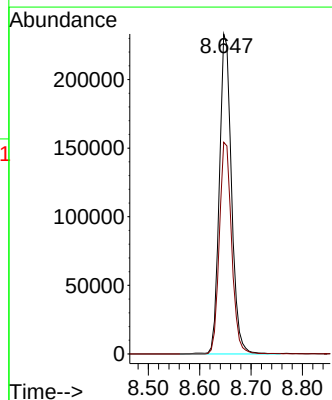
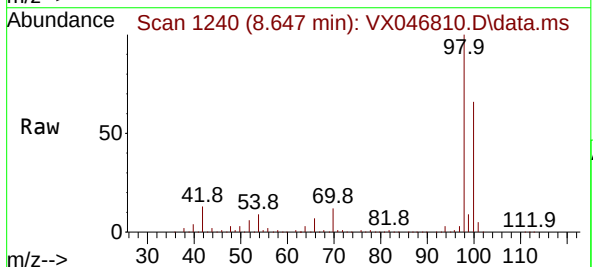
Manual Integrations
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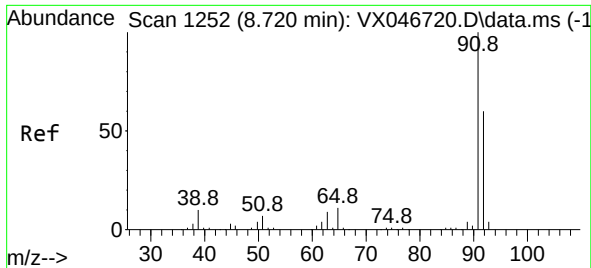
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#50
Toluene-d8
Concen: 50.326 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

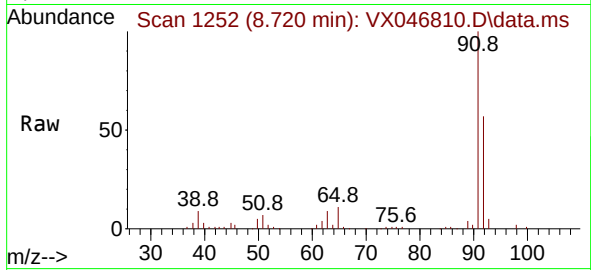
Tgt Ion: 98 Resp: 381073
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4





#52
Toluene
Concen: 5.733 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

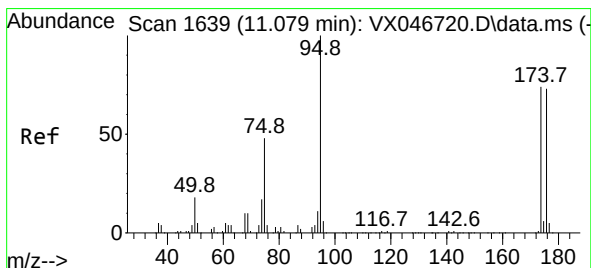
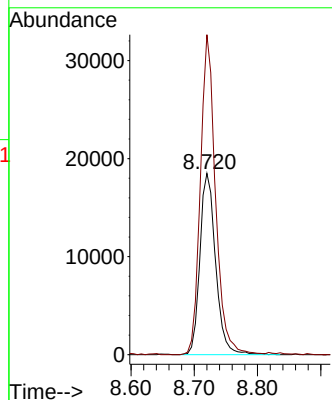
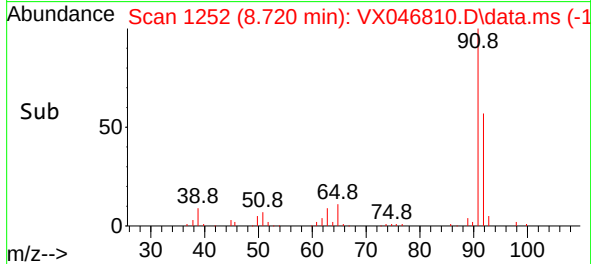
Instrument :
MSVOA_X
ClientSampleId :
3321



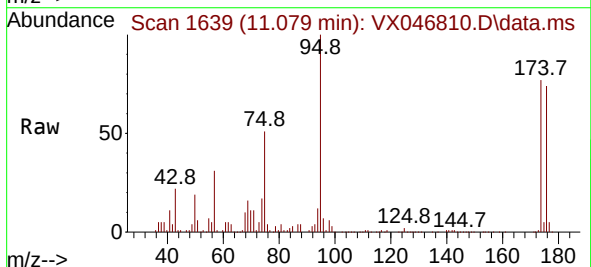
Tgt Ion: 92 Resp: 32000
Ion Ratio Lower Upper
92 100
91 170.7 134.8 202.2

Manual Integrations
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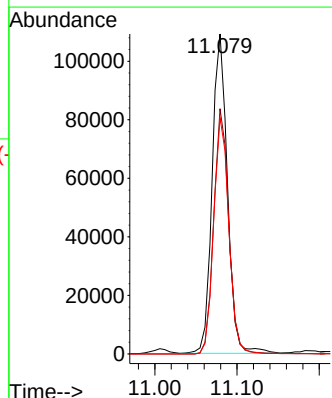
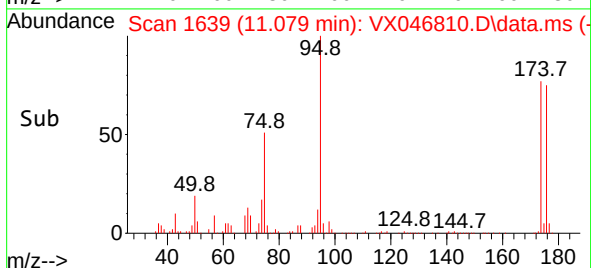
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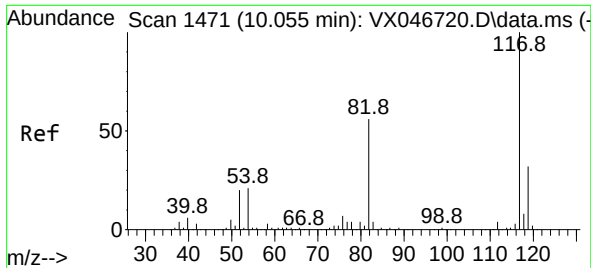


#62
4-Bromofluorobenzene
Concen: 49.884 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22



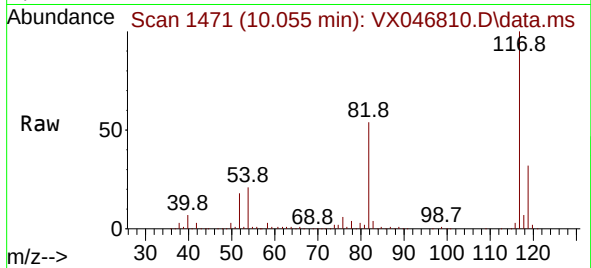
Tgt Ion: 95 Resp: 140805
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.4
176 73.3 0.0 145.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

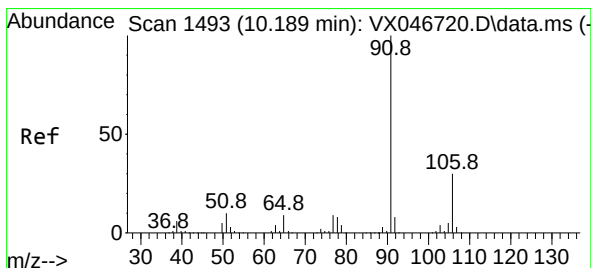
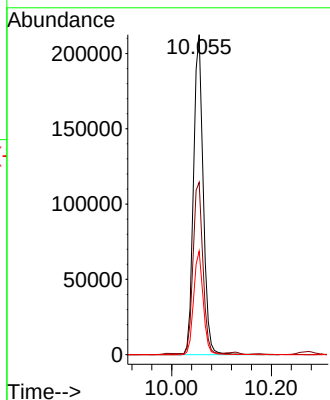
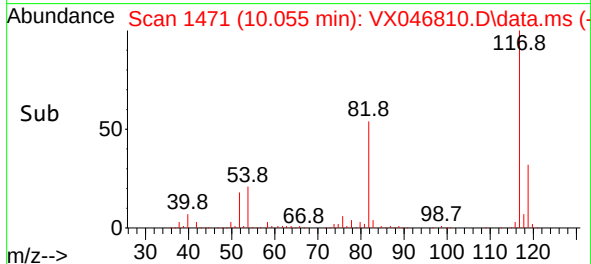
Instrument :
MSVOA_X
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3321



Tgt Ion:117 Resp: 286380
Ion Ratio Lower Upper
117 100
82 53.8 44.6 66.8
119 32.3 25.8 38.8

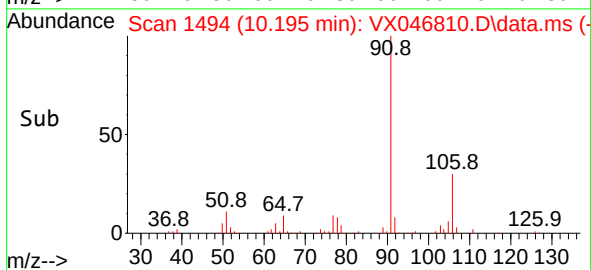
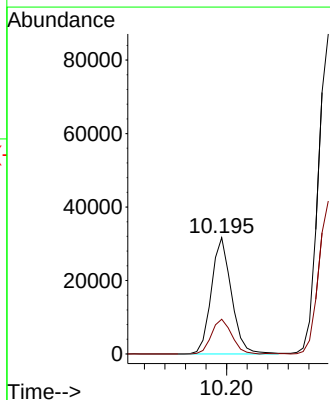
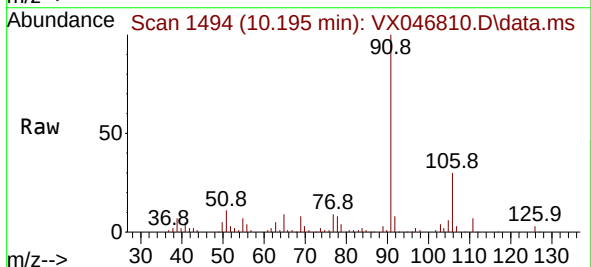
Manual Integrations
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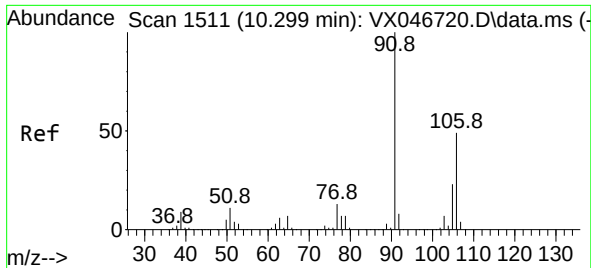
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#67
Ethyl Benzene
Concen: 3.890 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

Tgt Ion: 91 Resp: 42974
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2





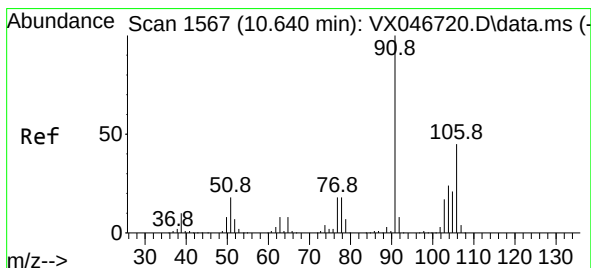
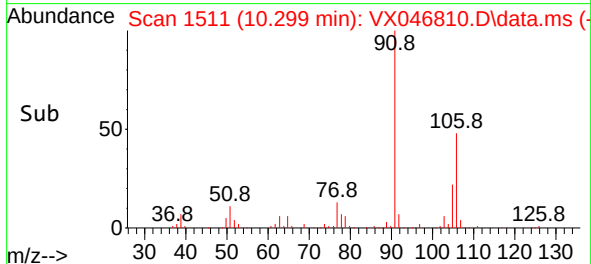
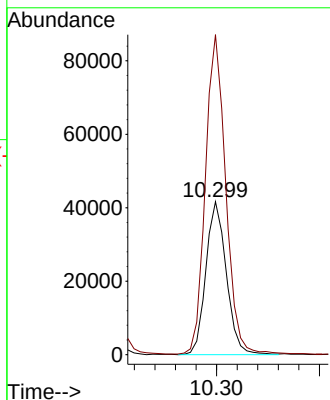
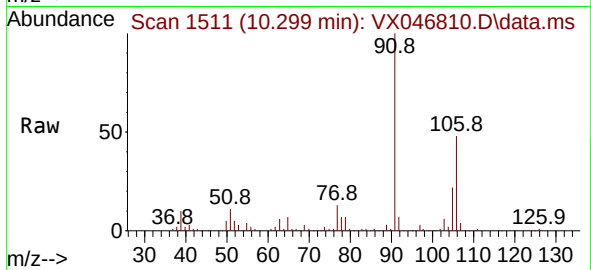
#68
m/p-Xylenes
Concen: 14.010 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

Instrument :
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3321

Tgt Ion:106 Resp: 5766
Ion Ratio Lower Upper
106 100
91 208.0 164.8 247.2

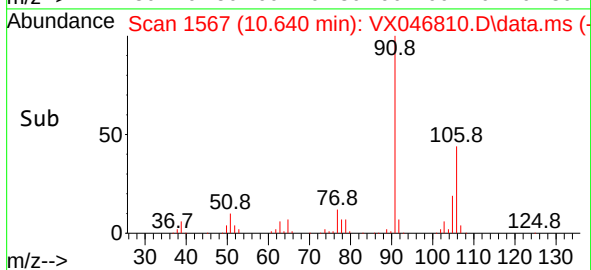
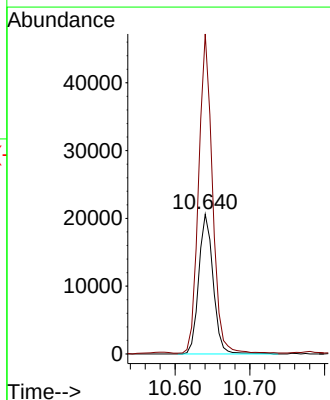
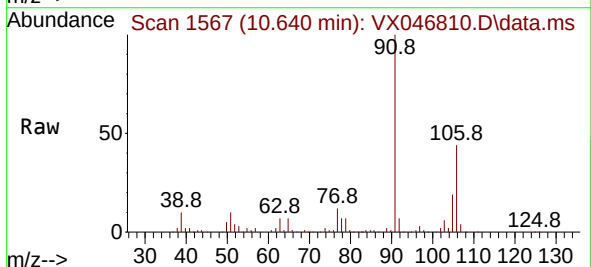
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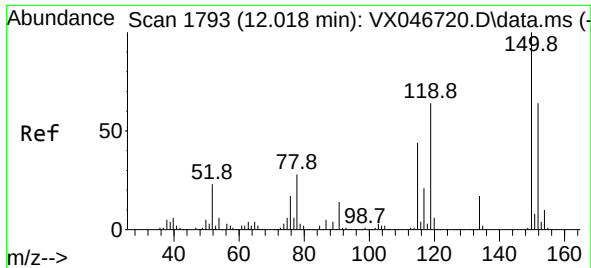
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#69
o-Xylene
Concen: 7.157 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

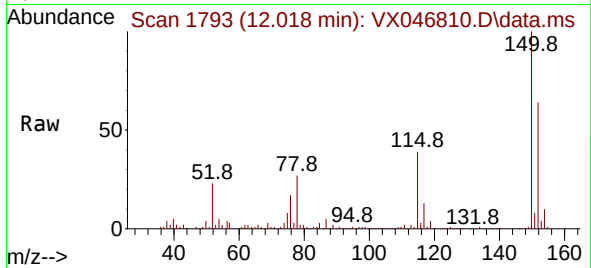
Tgt Ion:106 Resp: 27606
Ion Ratio Lower Upper
106 100
91 218.1 111.3 333.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

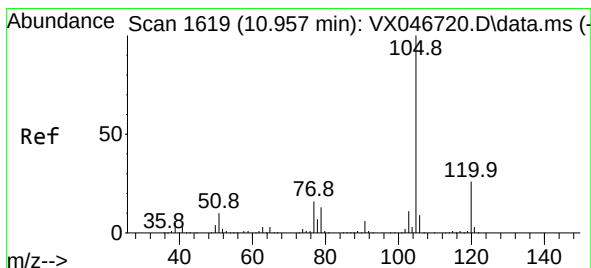
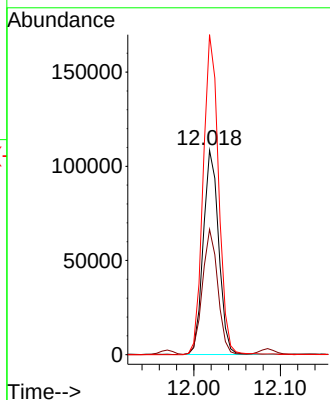
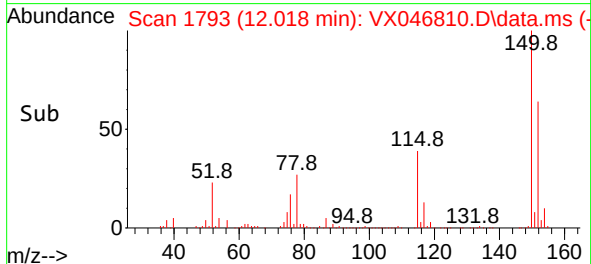
Instrument :
MSVOA_X
ClientSampleId :
3321



Tgt Ion:152 Resp: 134114
Ion Ratio Lower Upper
152 100
115 61.0 43.2 129.6
150 156.8 0.0 346.8

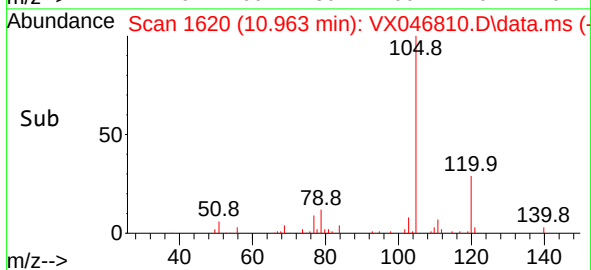
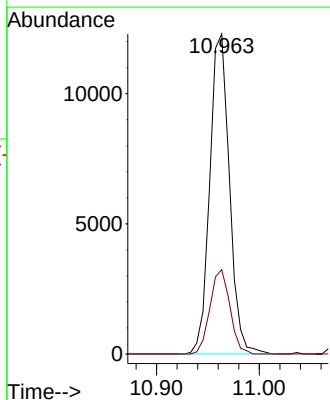
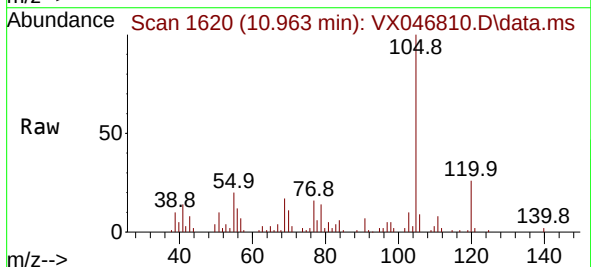
Manual Integrations
APPROVED

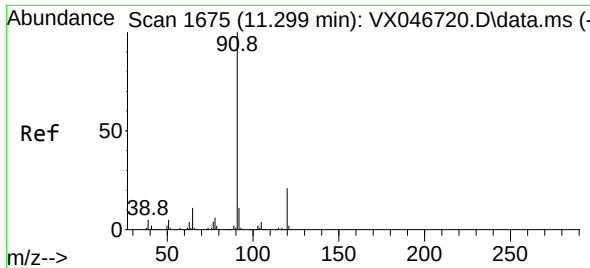
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#73
Isopropylbenzene
Concen: 1.652 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

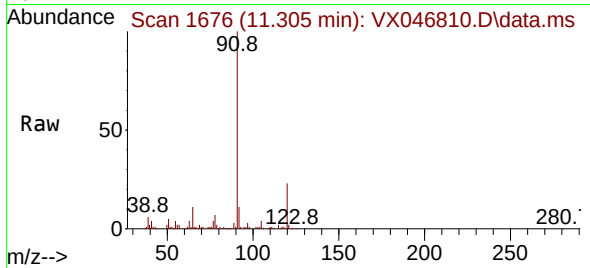
Tgt Ion:105 Resp: 16319
Ion Ratio Lower Upper
105 100
120 26.7 13.0 39.0





#78
n-propylbenzene
Concen: 5.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

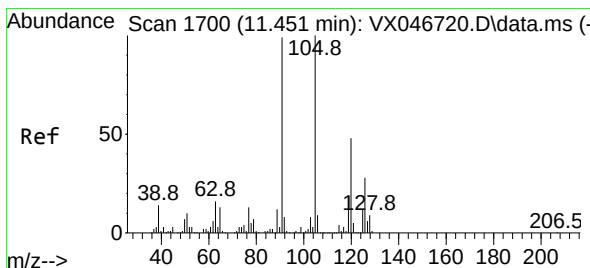
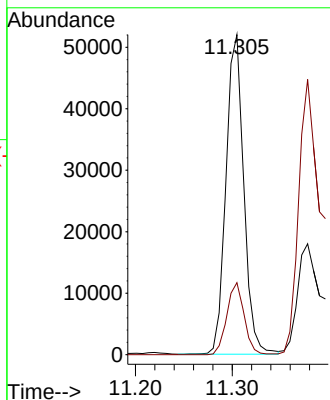
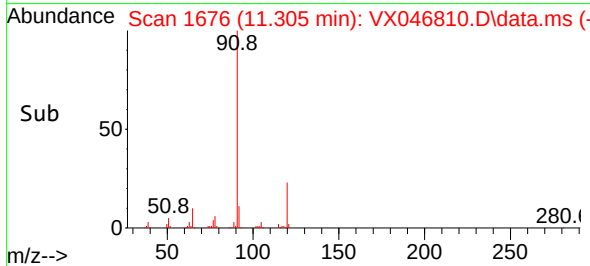
Instrument :
MSVOA_X
ClientSampleId :
3321



Tgt Ion: 91 Resp: 66180
Ion Ratio Lower Upper
91 100
120 22.0 11.4 34.1

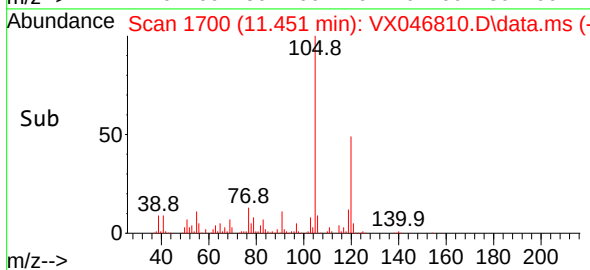
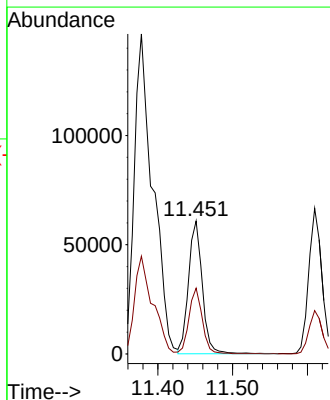
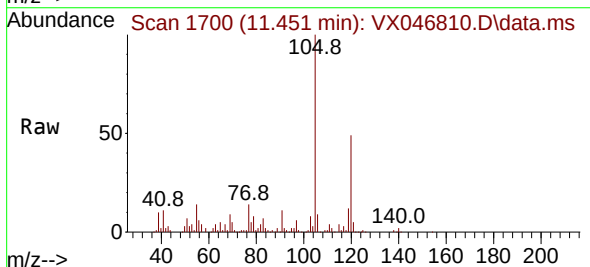
Manual Integrations
APPROVED

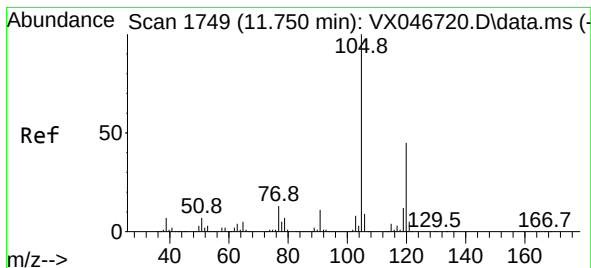
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#80
1,3,5-Trimethylbenzene
Concen: 9.595 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046810.D
Acq: 23 Jun 2025 11:22

Tgt Ion:105 Resp: 77883
Ion Ratio Lower Upper
105 100
120 48.2 24.1 72.2





#84

1,2,4-Trimethylbenzene

Concen: 36.711 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046810.D

Acq: 23 Jun 2025 11:22

Instrument :

MSVOA_X

ClientSampleId :

3321

Tgt Ion:105 Resp: 29938

Ion Ratio Lower Upper

105 100

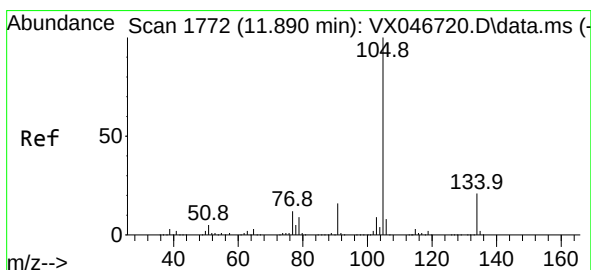
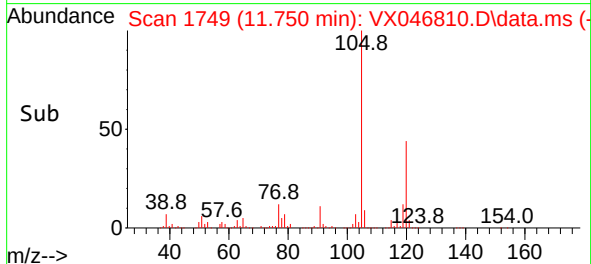
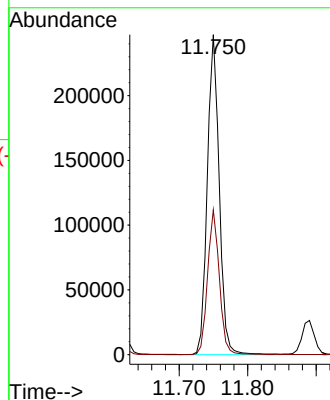
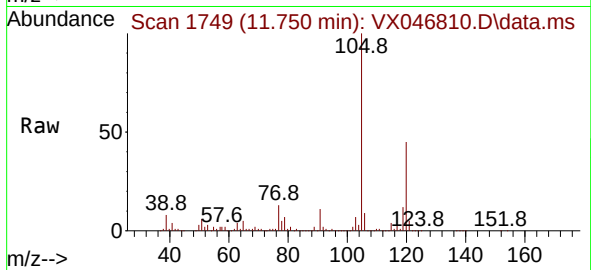
120 44.8 22.1 66.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#85

sec-Butylbenzene

Concen: 3.094 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX046810.D

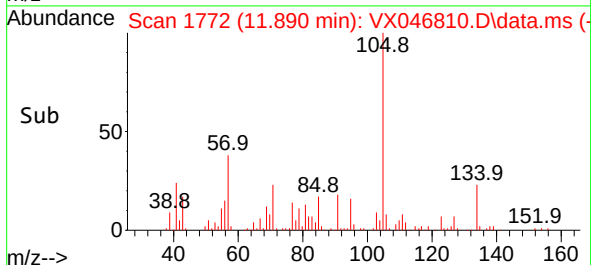
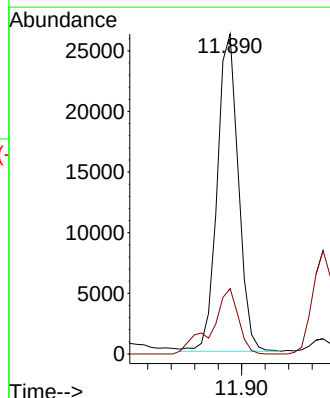
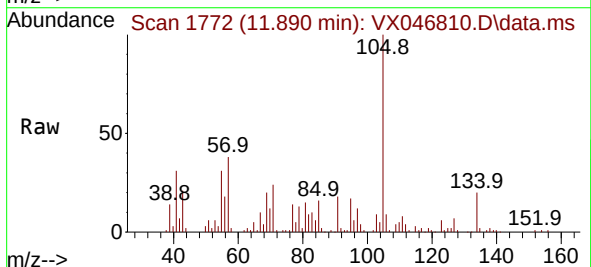
Acq: 23 Jun 2025 11:22

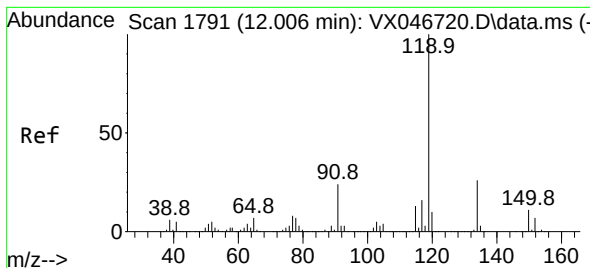
Tgt Ion:105 Resp: 32804

Ion Ratio Lower Upper

105 100

134 25.9 9.8 29.4





#86

p-Isopropyltoluene

Concen: 2.132 ug/l

RT: 12.006 min Scan# 119

Delta R.T. -0.000 min

Lab File: VX046810.D

Acq: 23 Jun 2025 11:22

Instrument :

MSVOA_X

ClientSampleId :

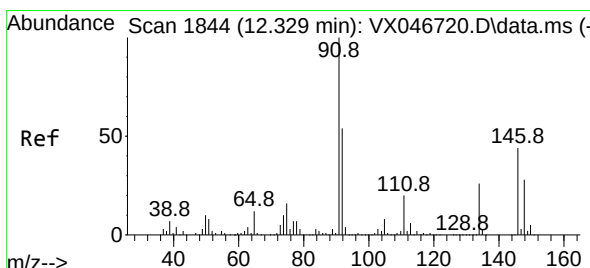
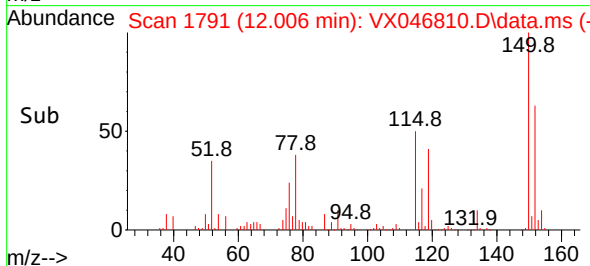
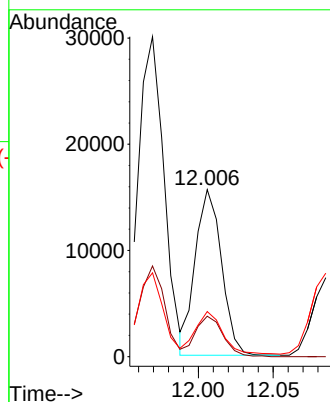
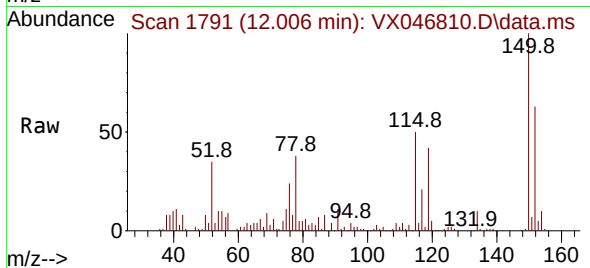
3321

Tgt Ion:	119	Resp:	1907
Ion Ratio	Lower	Upper	
119	100		
134	25.8	12.9	38.7
91	26.2	12.3	36.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#89

n-Butylbenzene

Concen: 6.335 ug/l m

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX046810.D

Acq: 23 Jun 2025 11:22

Tgt Ion:	91	Resp:	53819
Ion Ratio	Lower	Upper	
91	100		
92	57.3	27.1	81.3
134	115.5	12.9	38.6#

