

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082925\
 Data File : VX047562.D
 Acq On : 29 Aug 2025 11:49
 Operator : JC/MD
 Sample : Q2977-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33125

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/02/2025
 Supervised By :Semsettin Yesilyurt 09/03/2025

Quant Time: Aug 29 23:52:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	171778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	339124	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	336127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	137874	52.266	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.540%			
35) Dibromofluoromethane	5.404	113	118015	50.704	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.400%			
50) Toluene-d8	8.653	98	421370	51.649	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.300%			
62) 4-Bromofluorobenzene	11.079	95	174434	56.913	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.820%			
Target Compounds					Qvalue	
16) Acetone	2.392	43	7774	7.441	ug/l	96
31) Cyclohexane	5.489	56	4395	1.185	ug/l #	89
39) Methylcyclohexane	7.385	83	10772	2.820	ug/l	97
40) Benzene	6.050	78	66918	6.328	ug/l	98
52) Toluene	8.720	92	417847	64.836	ug/l	98
67) Ethyl Benzene	10.189	91	395196	29.888	ug/l	100
68) m/p-Xylenes	10.299	106	467325	95.158	ug/l	99
69) o-Xylene	10.640	106	271446	57.377	ug/l	99
73) Isopropylbenzene	10.964	105	62856	5.234	ug/l	97
78) n-propylbenzene	11.305	91	168657	11.795	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	202950	20.668	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	835841	83.506	ug/l	100
85) sec-Butylbenzene	11.890	105	39911	3.351	ug/l	92
86) p-Isopropyltoluene	12.006	119	24715	2.475	ug/l	97
89) n-Butylbenzene	12.329	91	53279m	5.782	ug/l	
95) Naphthalene	13.774	128	149695	14.968	ug/l	98

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

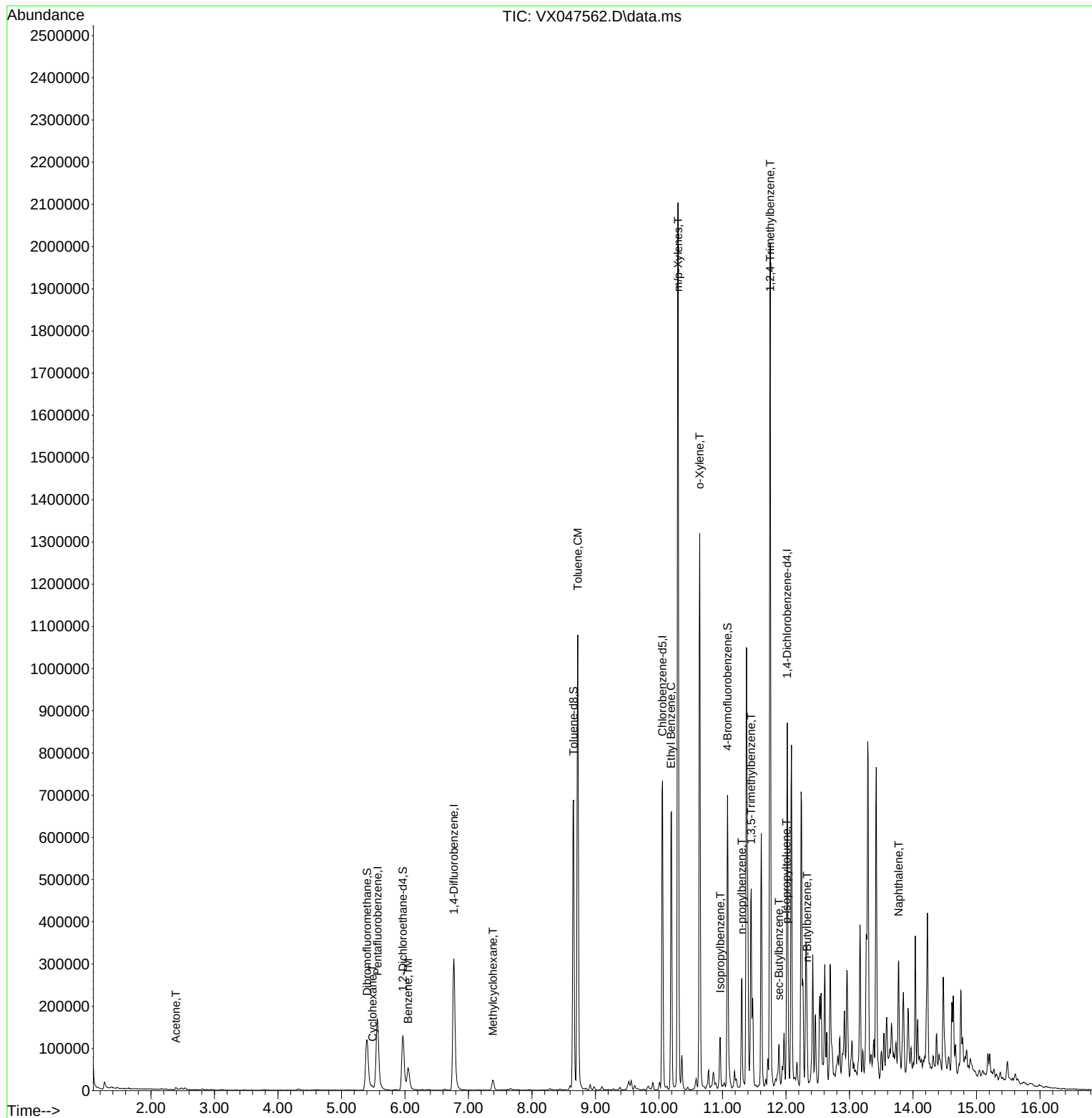
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082925\
Data File : VX047562.D
Acq On : 29 Aug 2025 11:49
Operator : JC/MD
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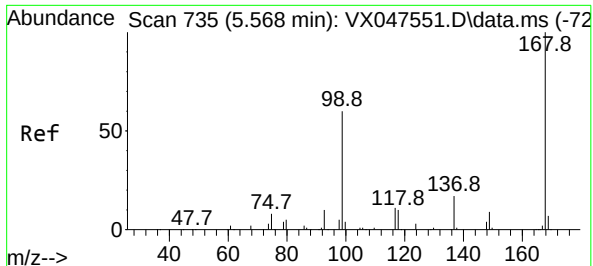
Instrument :
MSVOA_X
ClientSampleId :
33125

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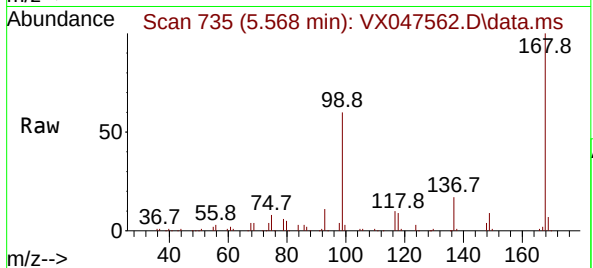
Quant Time: Aug 29 23:52:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 29 02:31:18 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

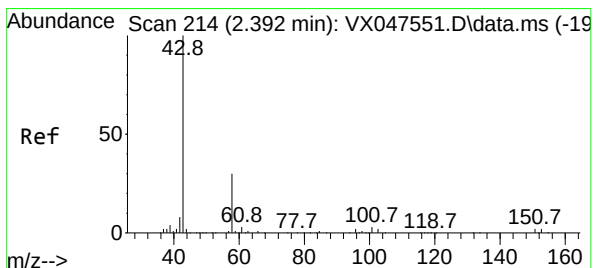
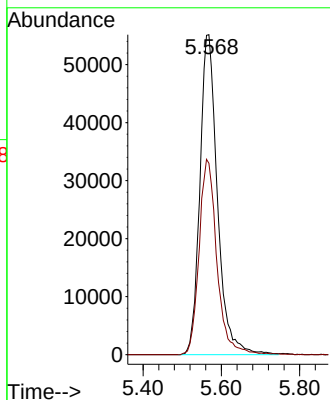
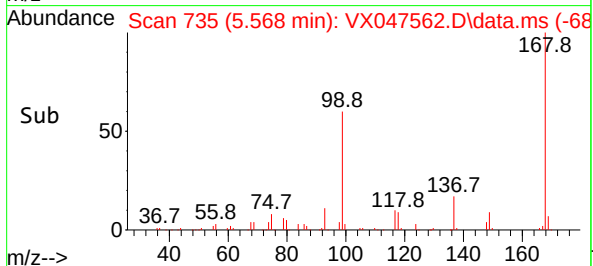
Instrument :
MSVOA_X
ClientSampleId :
33125



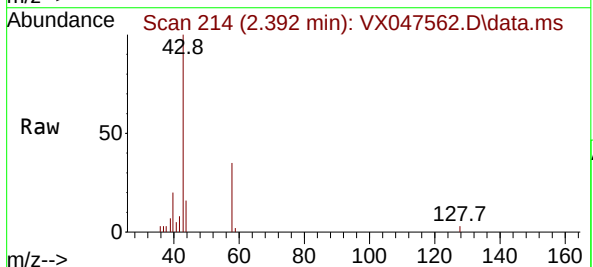
Tgt Ion:168 Resp: 171778
Ion Ratio Lower Upper
168 100
99 59.8 48.9 73.3

Manual Integrations
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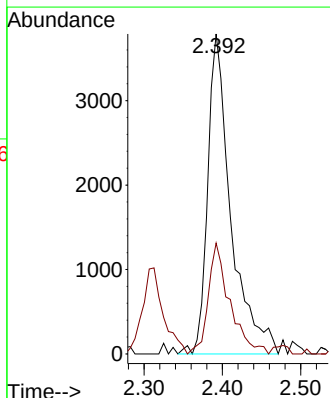
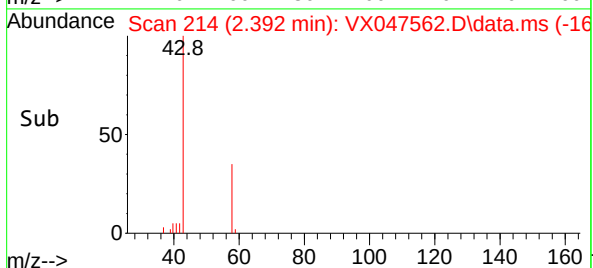
Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025

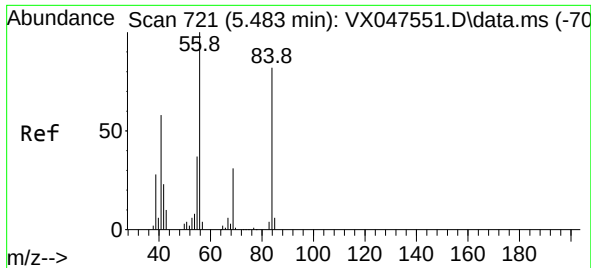


#16
Acetone
Concen: 7.441 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49



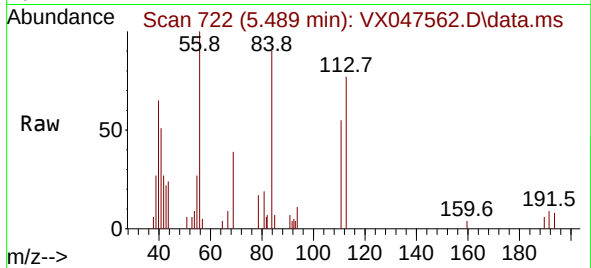
Tgt Ion: 43 Resp: 7774
Ion Ratio Lower Upper
43 100
58 28.0 24.2 36.2





#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.489 min Scan# 721
Delta R.T. 0.006 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

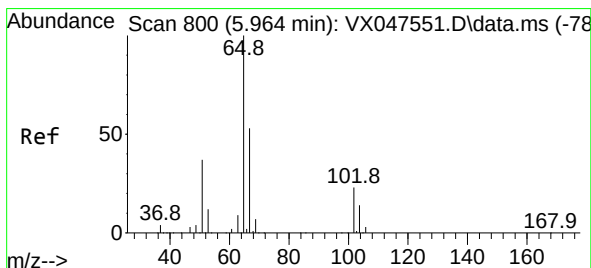
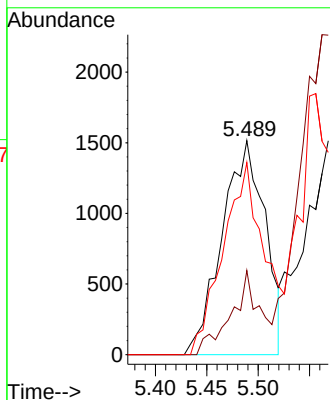
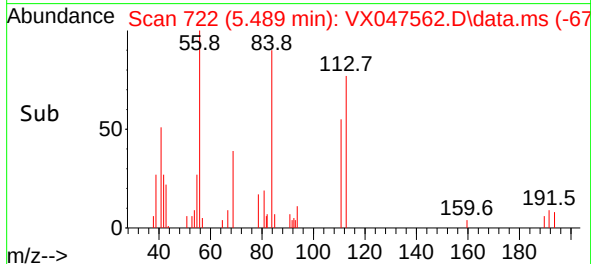
Instrument :
MSVOA_X
ClientSampleId :
33125



Tgt Ion: 56 Resp: 439
Ion Ratio Lower Upper
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69 39.3 24.2 36.2
84 89.8 65.5 98.3

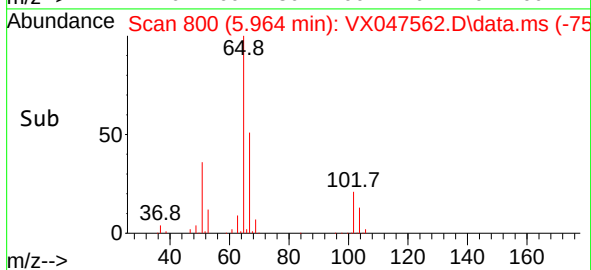
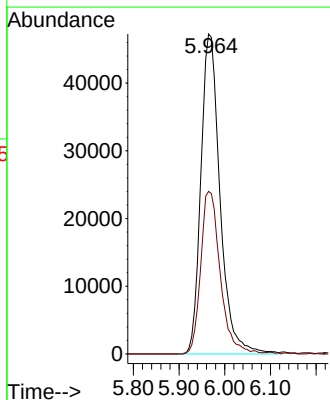
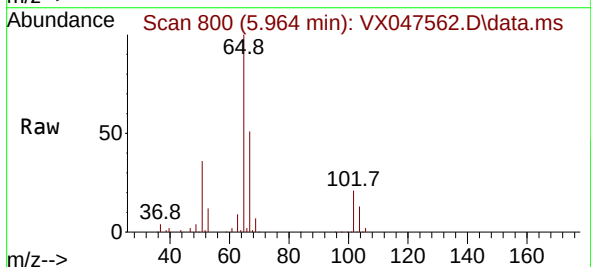
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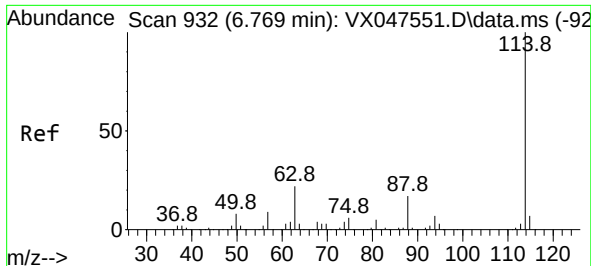
Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025



#33
1,2-Dichloroethane-d4
Concen: 52.266 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

Tgt Ion: 65 Resp: 137874
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8





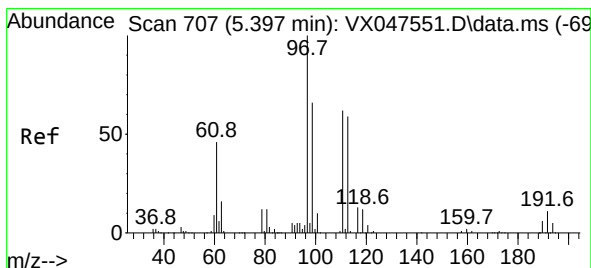
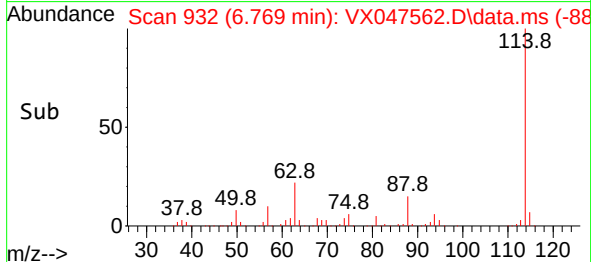
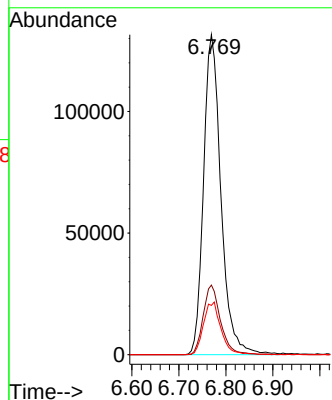
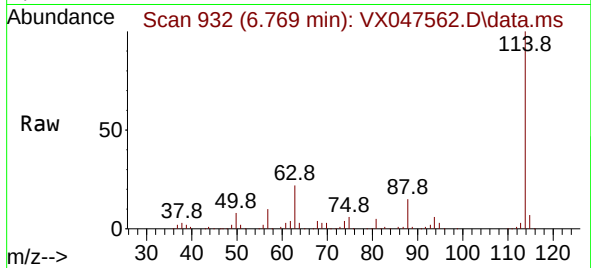
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 912
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

Instrument :
MSVOA_X
ClientSampleId :
33125

Tgt Ion:114 Resp: 339124
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.6
88 15.4 0.0 33.2

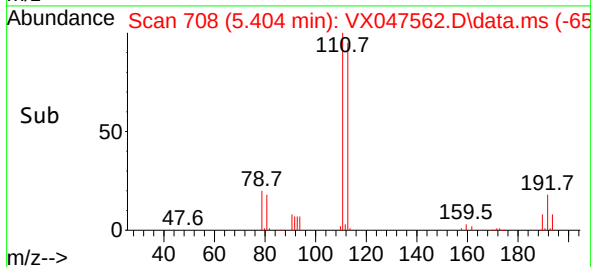
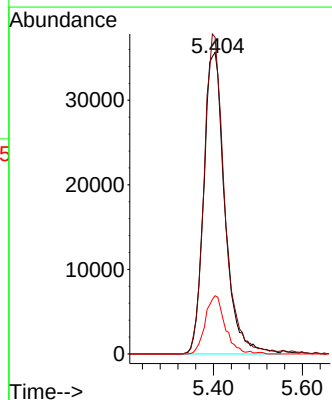
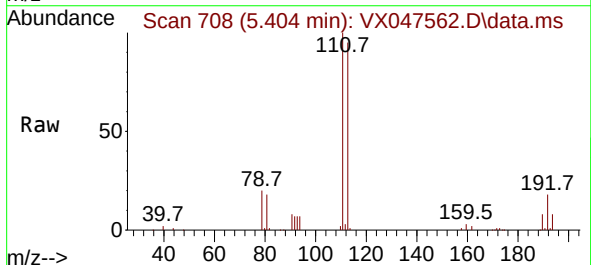
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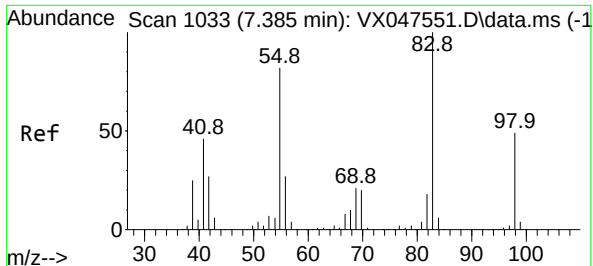
Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025



#35
Dibromofluoromethane
Concen: 50.704 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

Tgt Ion:113 Resp: 118015
Ion Ratio Lower Upper
113 100
111 102.5 81.2 121.8
192 18.1 14.2 21.4





#39

Methylcyclohexane

Concen: 2.820 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX047562.D

Acq: 29 Aug 2025 11:49

Instrument :

MSVOA_X

ClientSampleId :

33125

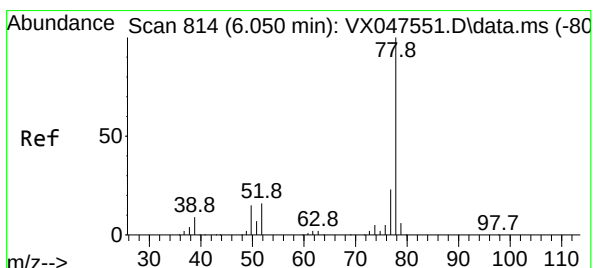
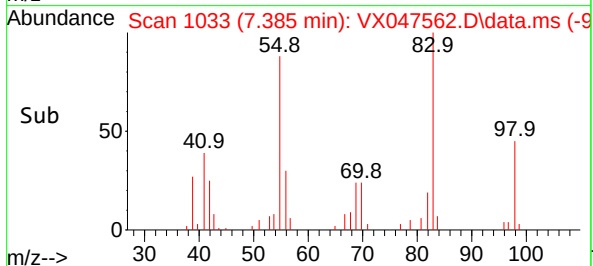
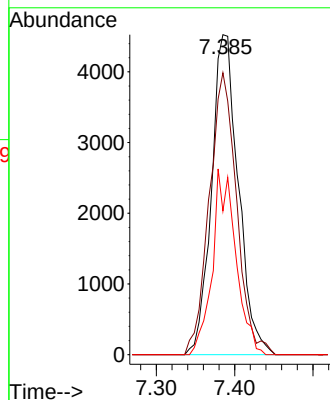
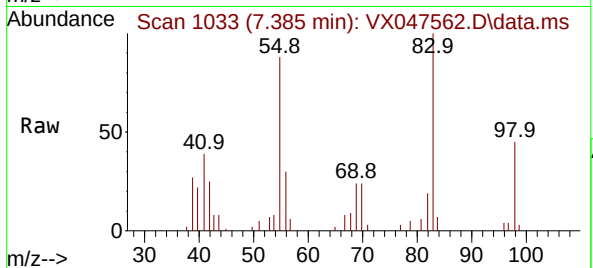
Tgt Ion:	83	Resp:	1077
Ion Ratio	Lower	Upper	
83	100		
55	82.3	65.4	98.2
98	44.5	39.0	58.4

Manual Integrations

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#40

Benzene

Concen: 6.328 ug/l

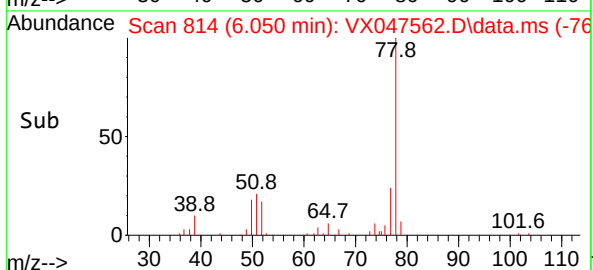
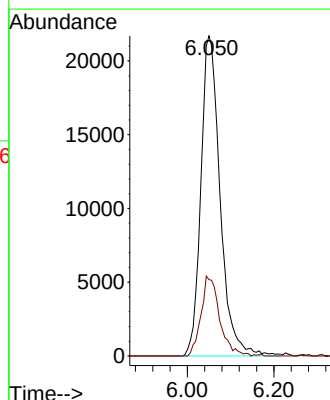
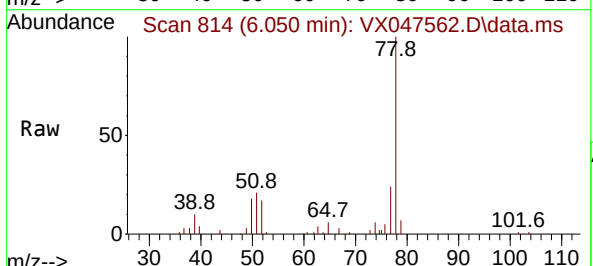
RT: 6.050 min Scan# 814

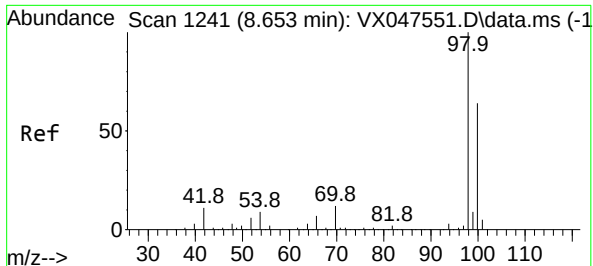
Delta R.T. 0.000 min

Lab File: VX047562.D

Acq: 29 Aug 2025 11:49

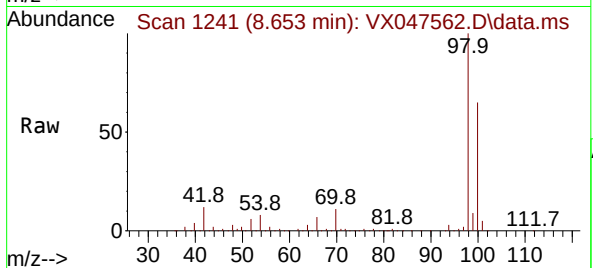
Tgt Ion:	78	Resp:	66918
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.5	27.7





#50
Toluene-d8
Concen: 51.649 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

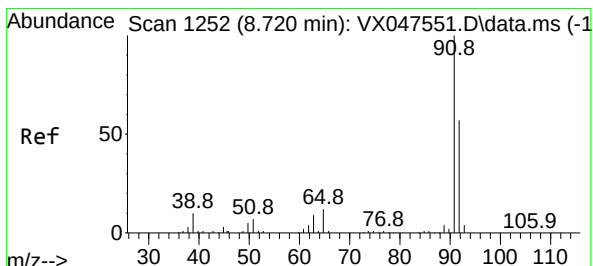
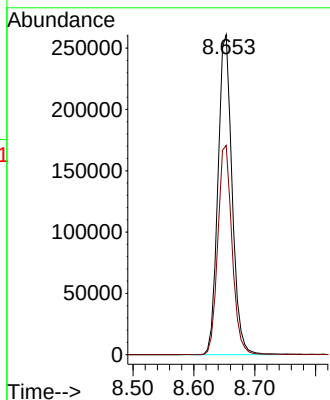
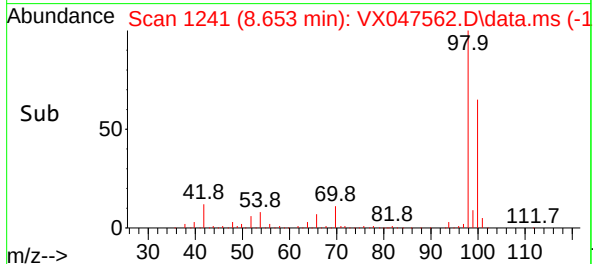
Instrument :
MSVOA_X
ClientSampleId :
33125



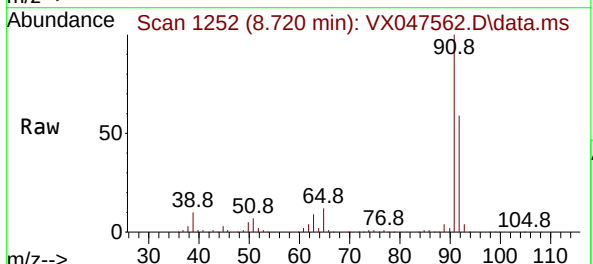
Tgt Ion: 98 Resp: 421370
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3

Manual Integrations
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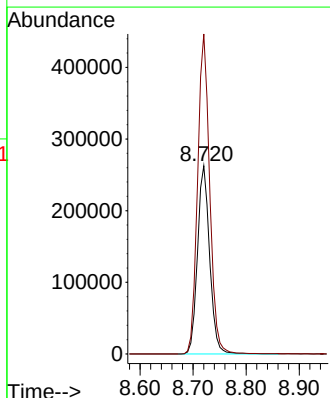
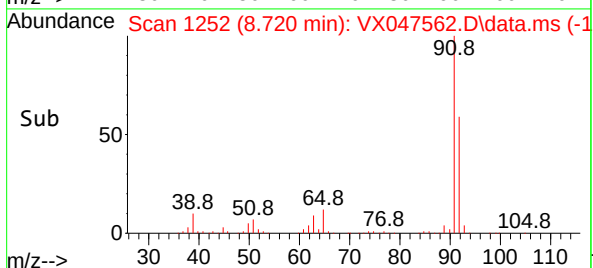
Reviewed By :John Carlone 09/02/2025
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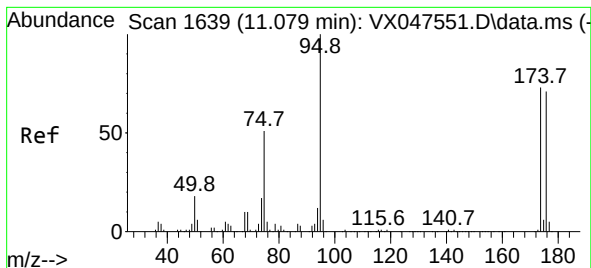


#52
Toluene
Concen: 64.836 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49



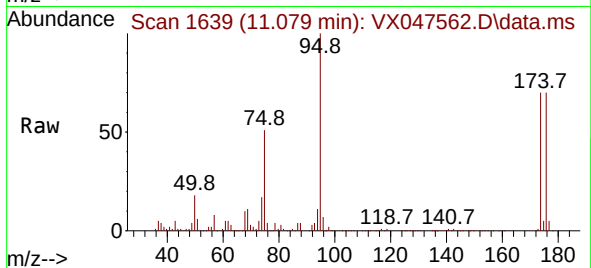
Tgt Ion: 92 Resp: 417847
Ion Ratio Lower Upper
92 100
91 169.2 137.8 206.8





#62
4-Bromofluorobenzene
Concen: 56.913 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

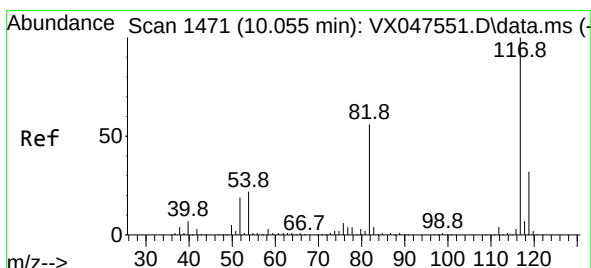
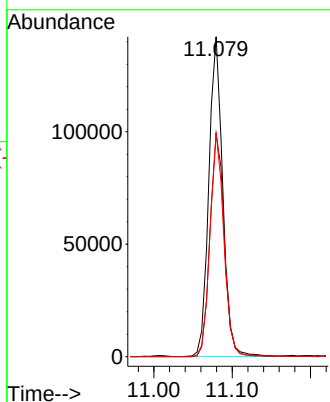
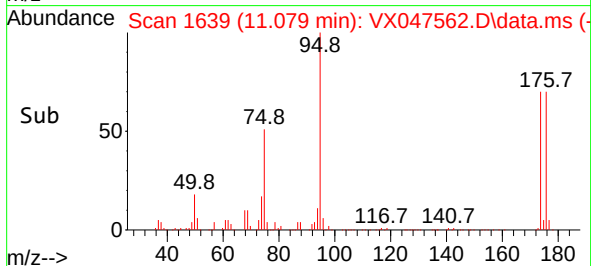
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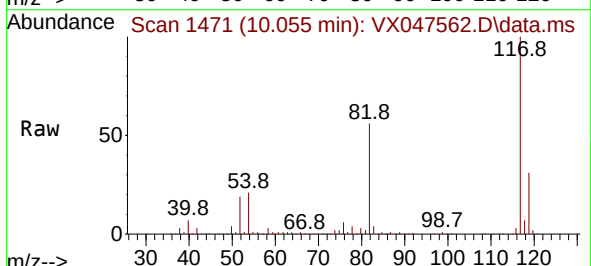
Tgt Ion: 95 Resp: 174434
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.2
176 69.8 0.0 140.4

Manual Integrations
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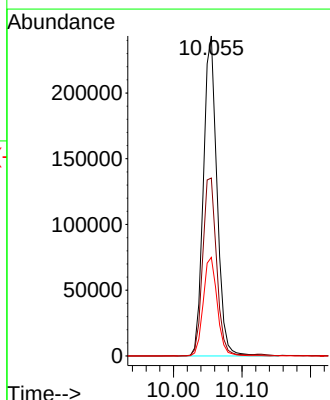
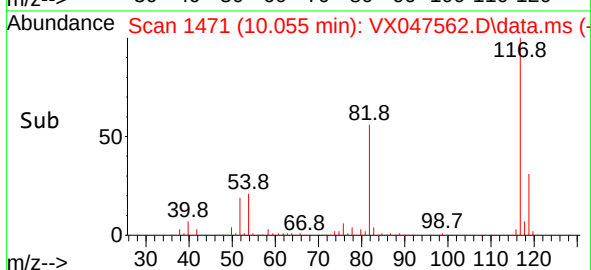
Reviewed By :John Carlone 09/02/2025
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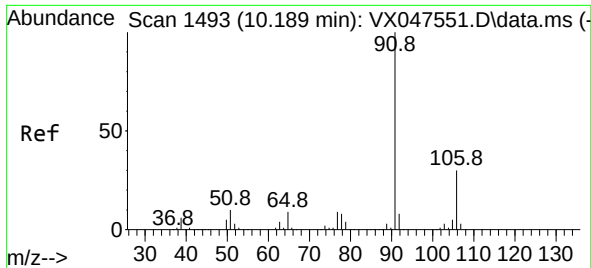


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49



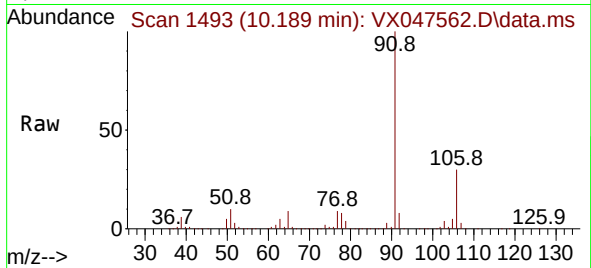
Tgt Ion:117 Resp: 336127
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 30.8 25.7 38.5





#67
Ethyl Benzene
Concen: 29.888 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

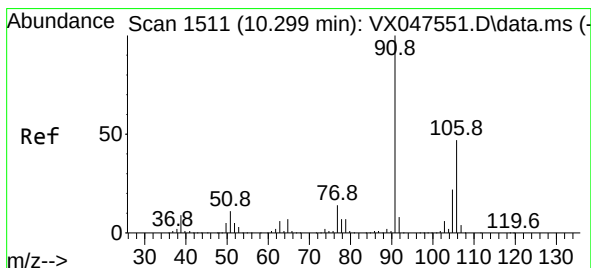
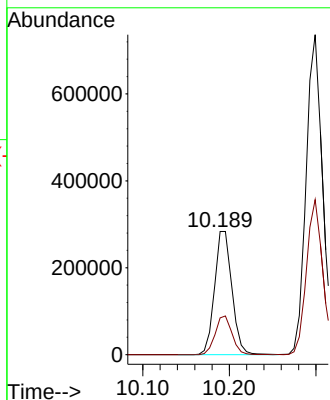
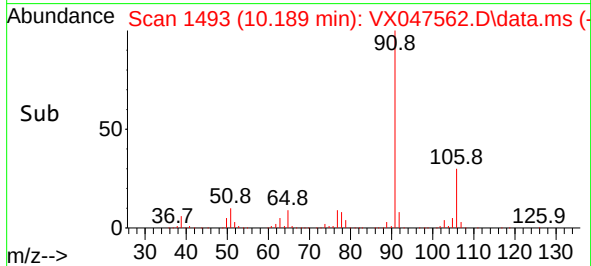
Instrument :
MSVOA_X
ClientSampleId :
33125



Tgt Ion: 91 Resp: 395190
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9

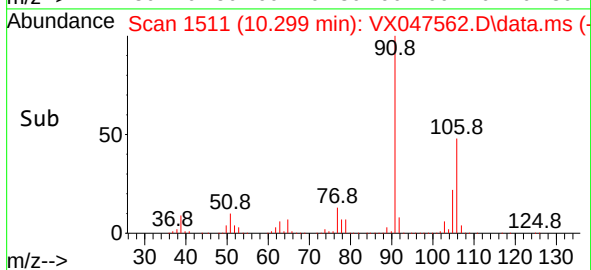
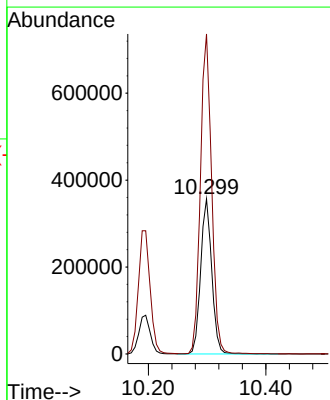
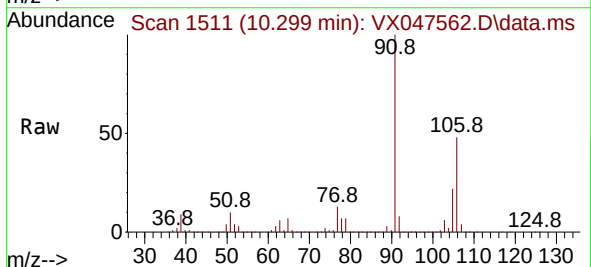
Manual Integrations
APPROVED

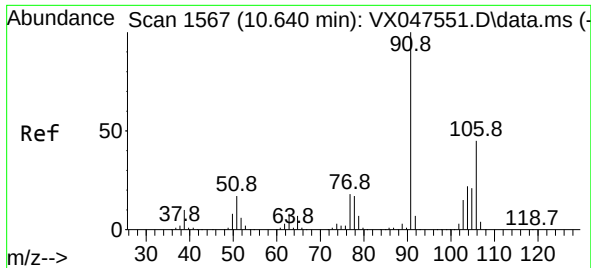
Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025



#68
m/p-Xylenes
Concen: 95.158 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

Tgt Ion:106 Resp: 467325
Ion Ratio Lower Upper
106 100
91 208.7 166.1 249.1





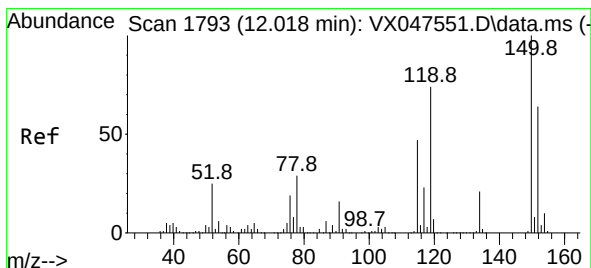
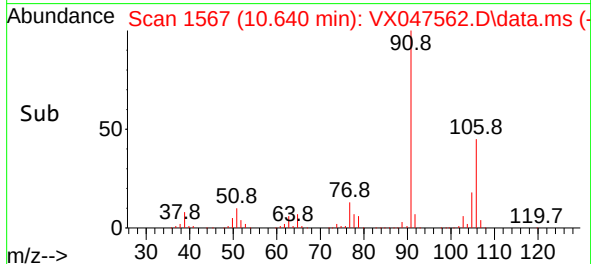
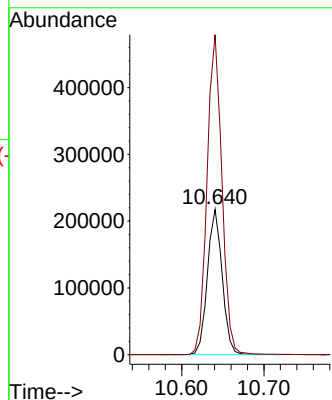
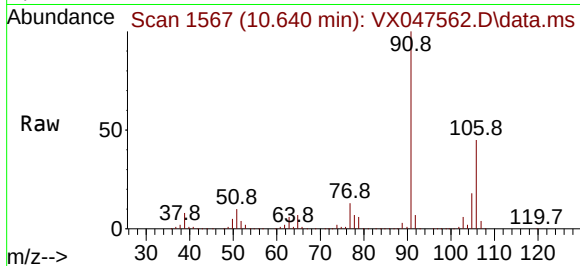
#69
o-Xylene
Concen: 57.377 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

Instrument :
MSVOA_X
ClientSampleId :
33125

Tgt Ion:106 Resp: 271440
Ion Ratio Lower Upper
106 100
91 222.1 109.9 329.7

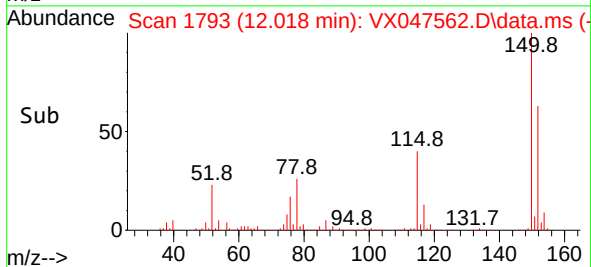
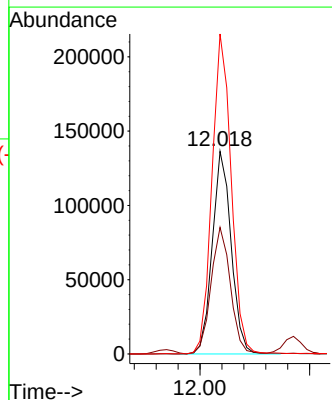
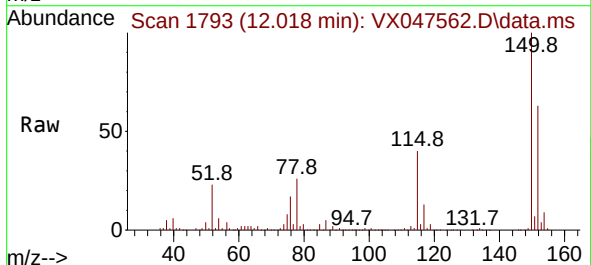
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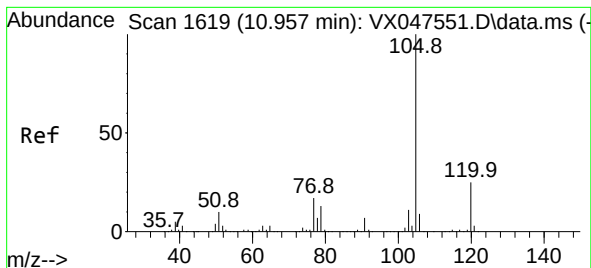
Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

Tgt Ion:152 Resp: 163209
Ion Ratio Lower Upper
152 100
115 64.2 42.9 128.5
150 160.8 0.0 351.0





#73

Isopropylbenzene

Concen: 5.234 ug/l

RT: 10.964 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX047562.D

Acq: 29 Aug 2025 11:49

Instrument :

MSVOA_X

ClientSampleId :

33125

Tgt Ion:105 Resp: 62850

Ion Ratio Lower Upper

105 100

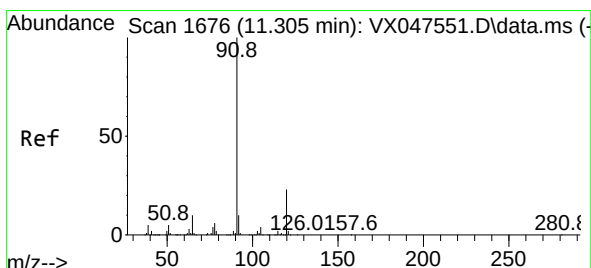
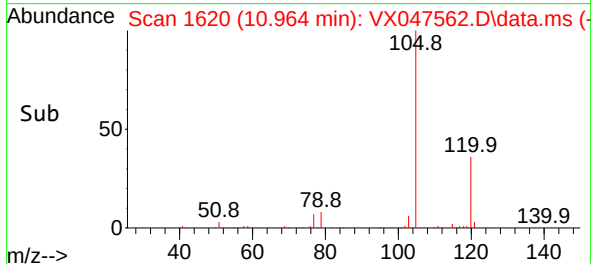
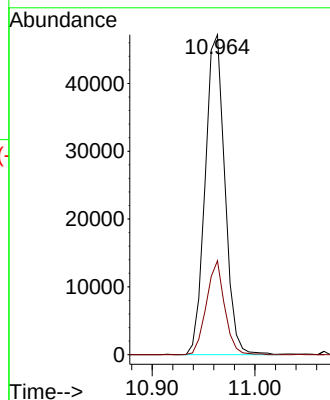
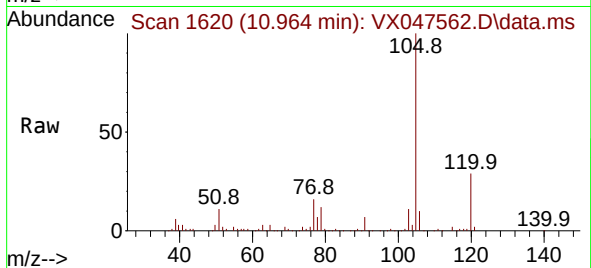
120 27.3 12.8 38.4

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Reviewed By :John Carlone 09/02/2025

Supervised By :Semsettin Yesilyurt 09/03/2025



#78

n-propylbenzene

Concen: 11.795 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX047562.D

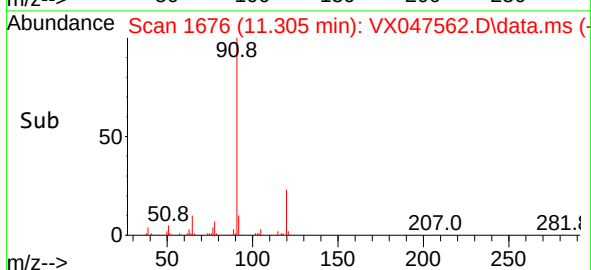
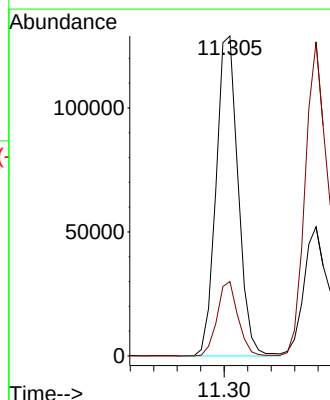
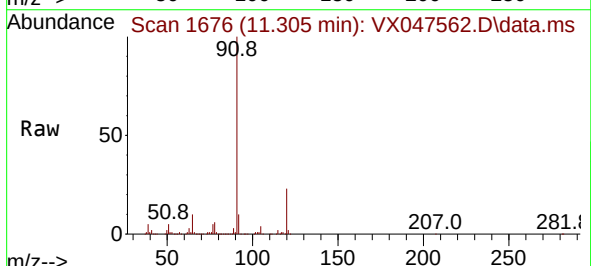
Acq: 29 Aug 2025 11:49

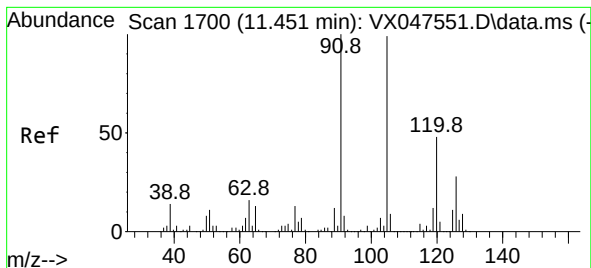
Tgt Ion: 91 Resp: 168657

Ion Ratio Lower Upper

91 100

120 22.0 11.2 33.6





#80

1,3,5-Trimethylbenzene

Concen: 20.668 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX047562.D

Acq: 29 Aug 2025 11:49

Instrument :

MSVOA_X

ClientSampleId :

33125

Tgt Ion:105 Resp: 202950

Ion Ratio Lower Upper

105 100

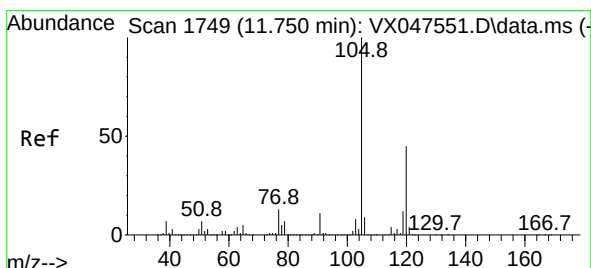
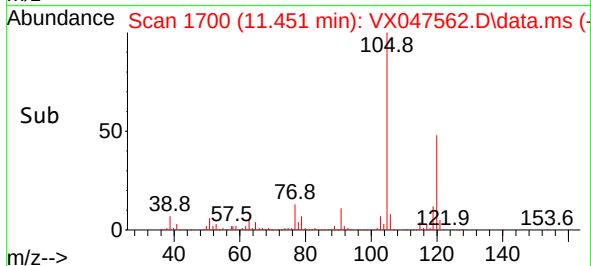
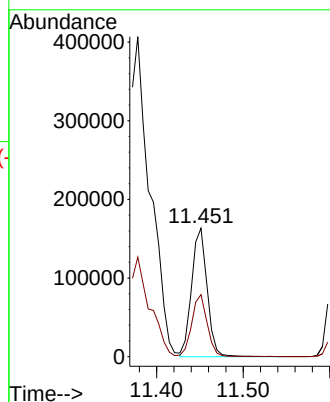
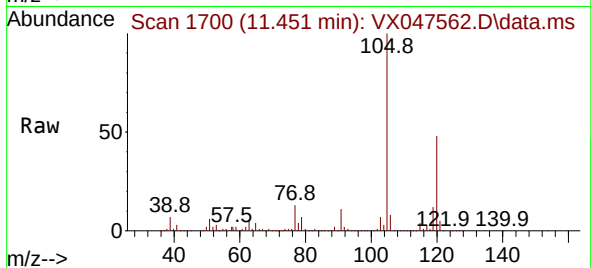
120 48.0 23.8 71.5

Manual Integrations

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Reviewed By :John Carlone 09/02/2025

Supervised By :Semsettin Yesilyurt 09/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 83.506 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX047562.D

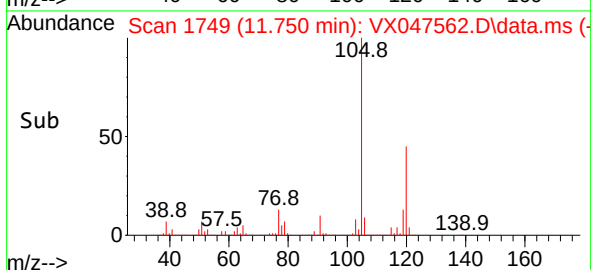
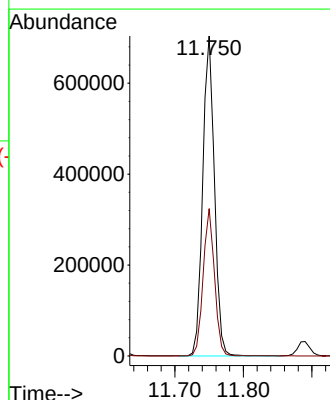
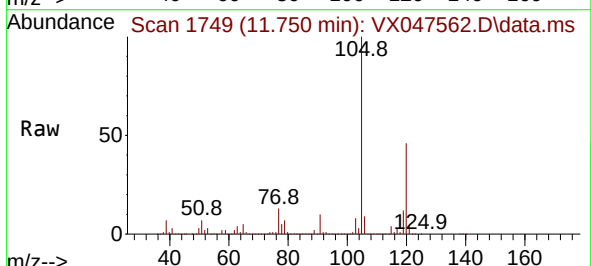
Acq: 29 Aug 2025 11:49

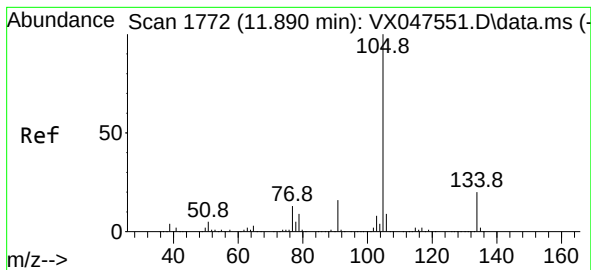
Tgt Ion:105 Resp: 835841

Ion Ratio Lower Upper

105 100

120 44.7 22.3 66.8





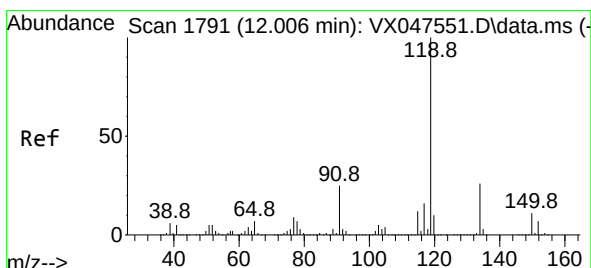
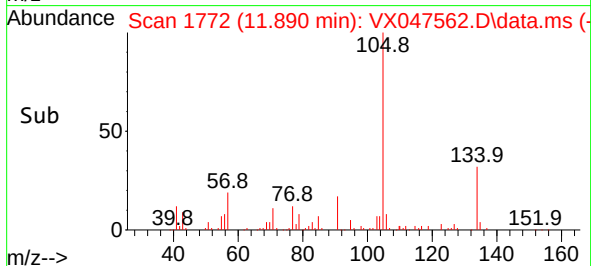
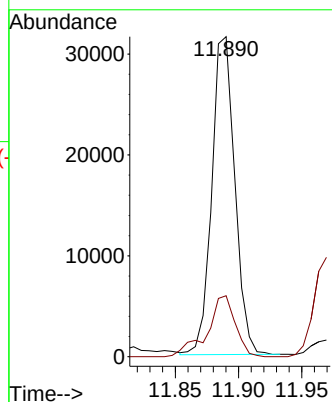
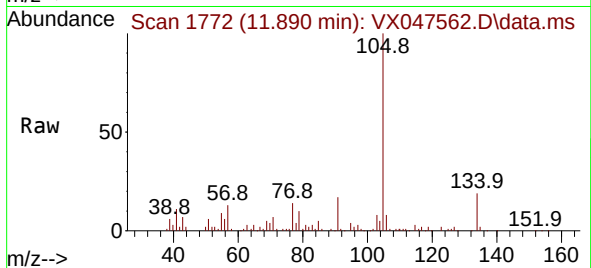
#85
 sec-Butylbenzene
 Concen: 3.351 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX047562.D
 Acq: 29 Aug 2025 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 33125

Tgt Ion:105 Resp: 3991
 Ion Ratio Lower Upper
 105 100
 134 23.5 9.8 29.5

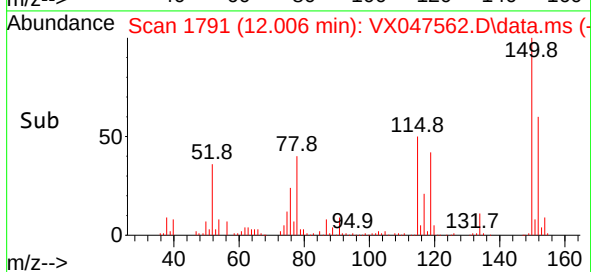
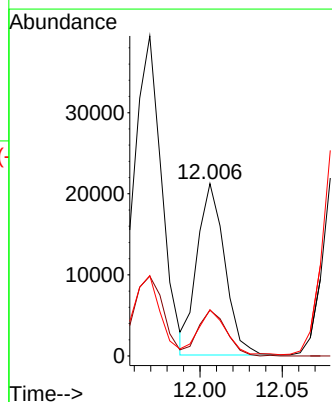
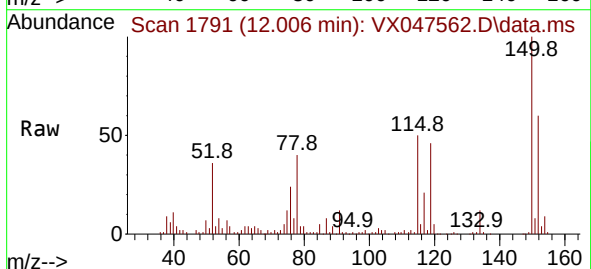
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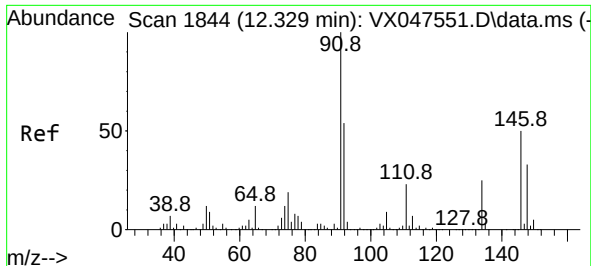
Reviewed By :John Carlone 09/02/2025
 Supervised By :Semsettin Yesilyurt 09/03/2025



#86
 p-Isopropyltoluene
 Concen: 2.475 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX047562.D
 Acq: 29 Aug 2025 11:49

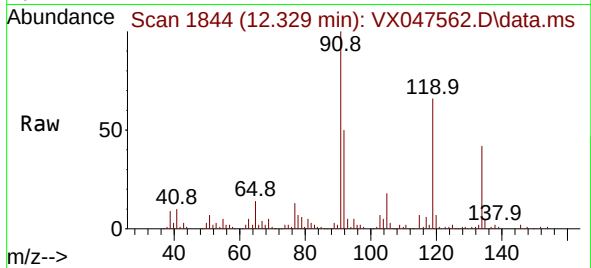
Tgt Ion:119 Resp: 24715
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.0 38.9
 91 26.2 12.4 37.2





#89
n-Butylbenzene
Concen: 5.782 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

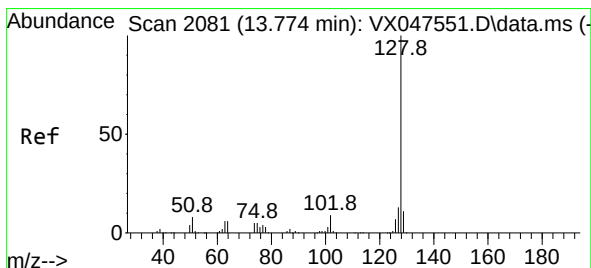
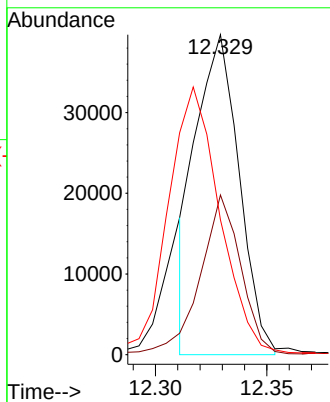
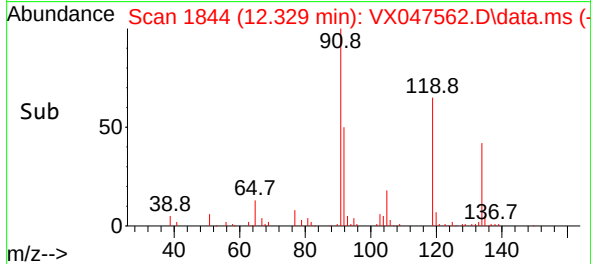
Instrument :
MSVOA_X
ClientSampleId :
33125



Tgt Ion: 91 Resp: 53279
Ion Ratio Lower Upper
91 100
92 46.7 27.0 81.0
134 98.0 12.6 37.6

Manual Integrations
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Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025



#95
Naphthalene
Concen: 14.968 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047562.D
Acq: 29 Aug 2025 11:49

Tgt Ion:128 Resp: 149695
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 12.6 8.7 13.1

