

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071625\
 Data File : VX047033.D
 Acq On : 16 Jul 2025 16:12
 Operator : JC/MD
 Sample : Q2609-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 710-C

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:36:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	442293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	750889	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	697042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	340784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	311672	53.340	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.680%			
35) Dibromofluoromethane	5.397	113	253479	49.731	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.460%			
50) Toluene-d8	8.653	98	918805	51.092	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.180%			
62) 4-Bromofluorobenzene	11.079	95	345241	50.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.020%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	7269	18.968	ug/l	99
16) Acetone	2.392	43	113914	62.763	ug/l	99
18) Methyl Acetate	2.721	43	39149	8.184	ug/l	96
20) Methylene Chloride	2.806	84	39052	7.276	ug/l	94
25) 2-Butanone	4.593	43	14735	6.085	ug/l	92
37) Ethyl Acetate	4.745	43	22966m	3.921	ug/l	
40) Benzene	6.050	78	4157806	199.888	ug/l	100
43) Isopropyl Acetate	6.367	43	16140	1.799	ug/l #	88
52) Toluene	8.720	92	2675405	207.562	ug/l	97
67) Ethyl Benzene	10.195	91	455771	17.660	ug/l	99
68) m/p-Xylenes	10.299	106	1525163	156.828	ug/l	100
69) o-Xylene	10.640	106	1332468	141.842	ug/l	100
70) Styrene	10.653	104	887284	55.206	ug/l #	82
73) Isopropylbenzene	10.964	105	25521	1.065	ug/l	99
78) n-propylbenzene	11.305	91	52435	1.815	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	573124	29.443	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	1515056	77.004	ug/l	90
95) Naphthalene	13.774	128	19030436	982.991	ug/l #	70

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

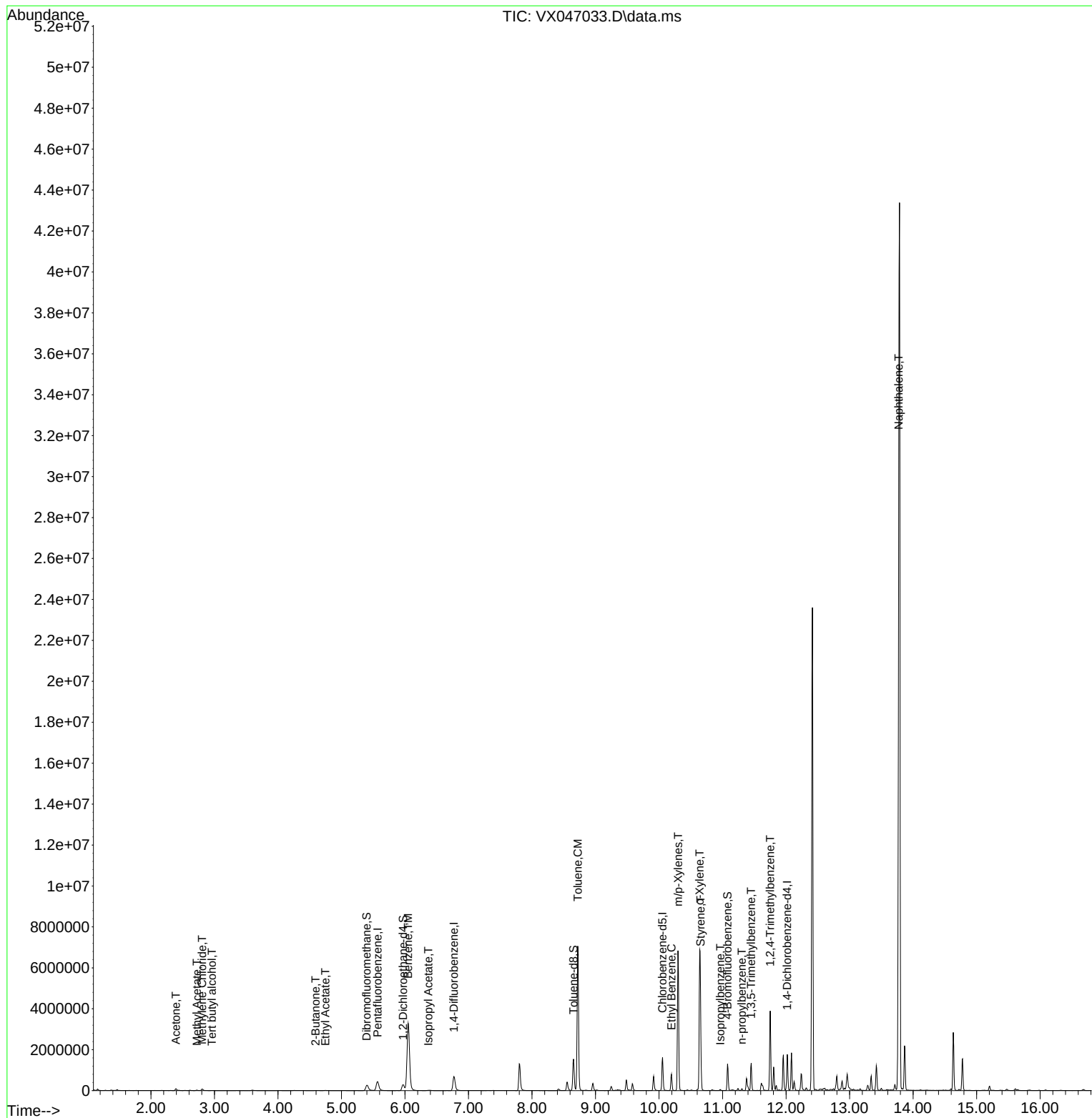
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071625\
Data File : VX047033.D
Acq On : 16 Jul 2025 16:12
Operator : JC/MD
Sample : Q2609-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

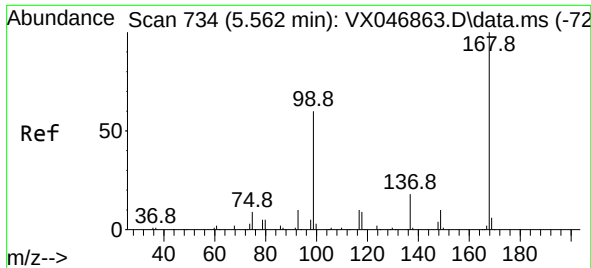
Instrument :
MSVOA_X
ClientSampleId :
710-C

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:36:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration





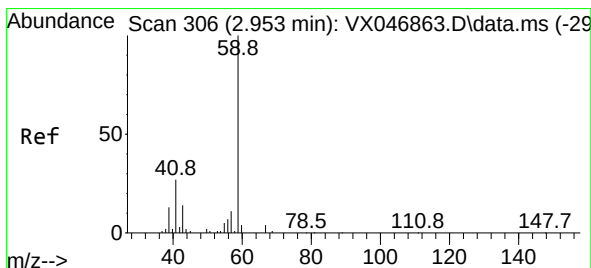
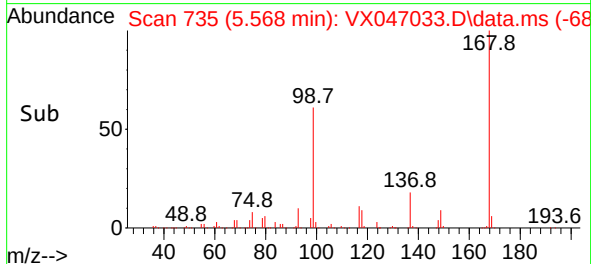
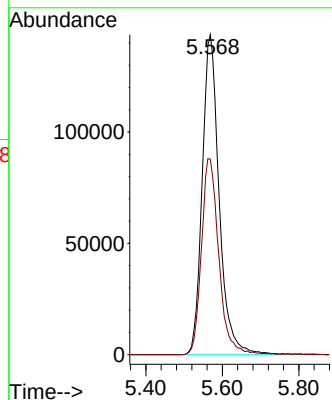
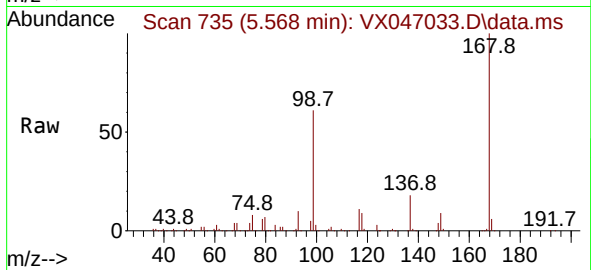
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 710
Delta R.T. 0.006 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

Instrument :
MSVOA_X
ClientSampleId :
710-C

Tgt Ion:168 Resp: 442293
Ion Ratio Lower Upper
168 100
99 61.1 48.8 73.2

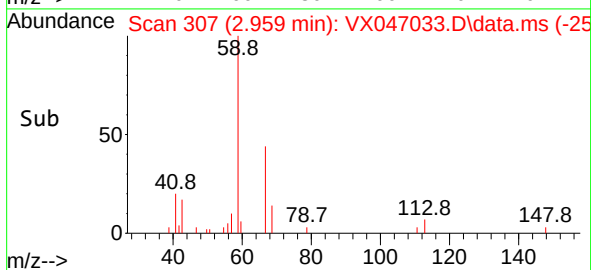
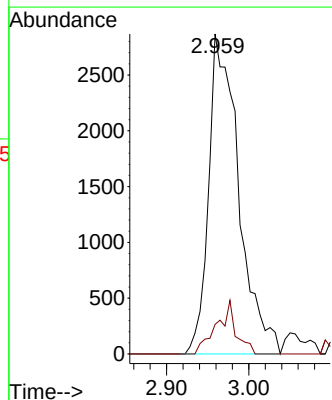
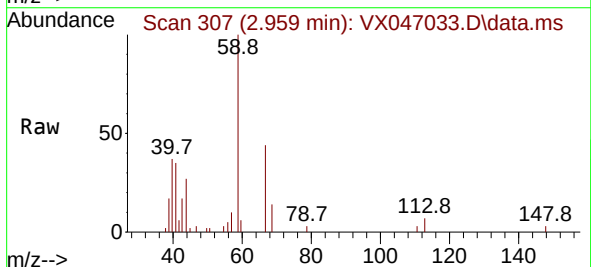
Manual Integrations
APPROVED

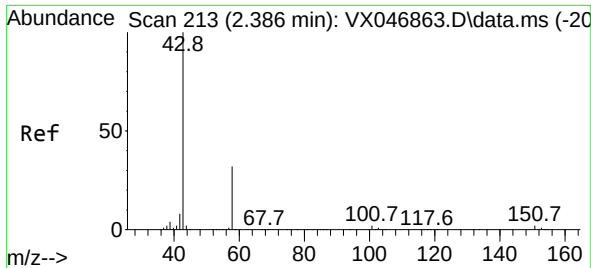
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#11
Tert butyl alcohol
Concen: 18.968 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

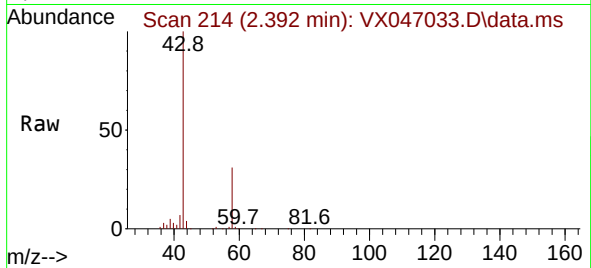
Tgt Ion: 59 Resp: 7269
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7





#16
Acetone
Concen: 62.763 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

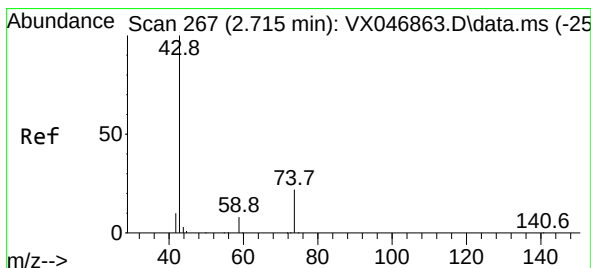
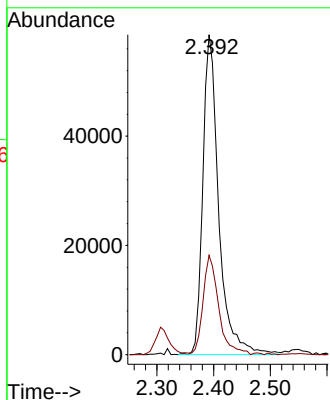
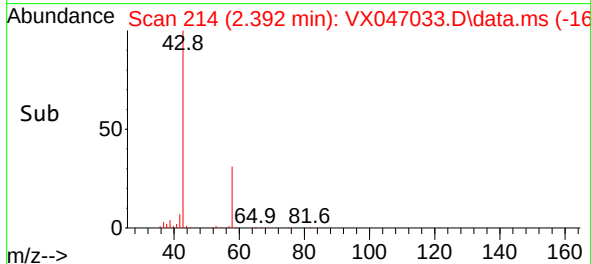
Instrument :
MSVOA_X
ClientSampleId :
710-C



Tgt Ion: 43 Resp: 113914
Ion Ratio Lower Upper
43 100
58 31.6 25.8 38.6

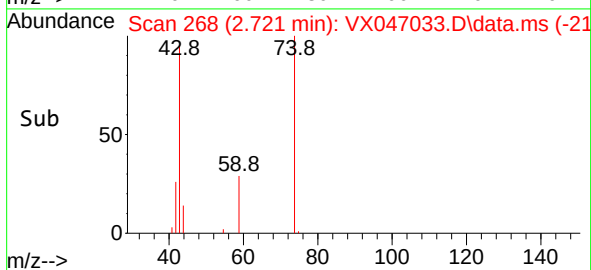
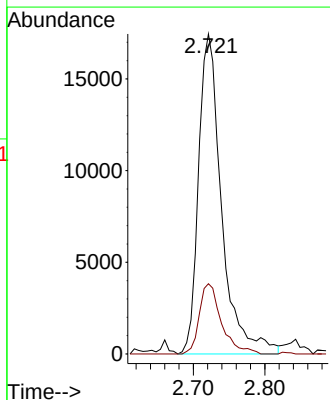
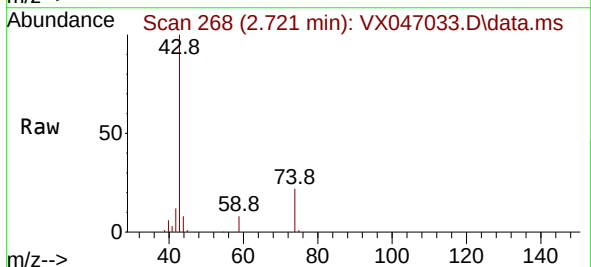
Manual Integrations
APPROVED

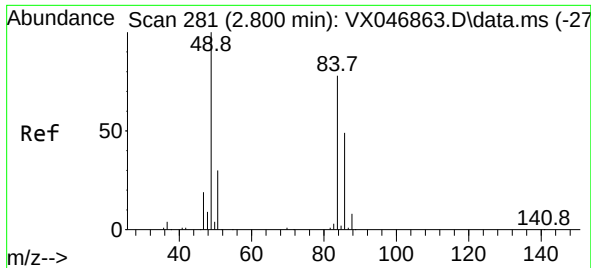
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#18
Methyl Acetate
Concen: 8.184 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

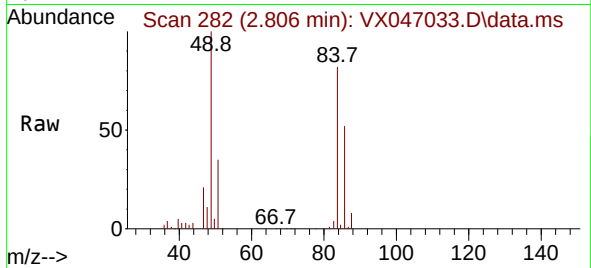
Tgt Ion: 43 Resp: 39149
Ion Ratio Lower Upper
43 100
74 21.0 18.3 27.5





#20
Methylene Chloride
Concen: 7.276 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

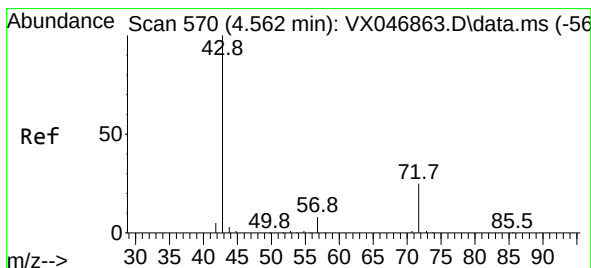
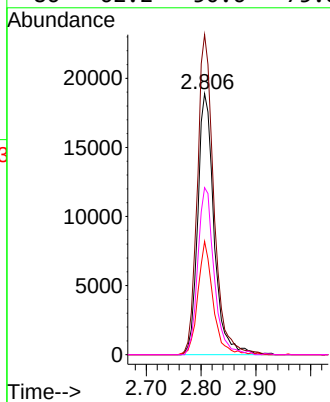
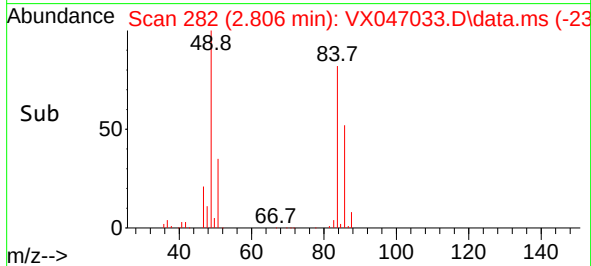
Instrument :
MSVOA_X
ClientSampleId :
710-C



Tgt Ion: 84 Resp: 39052
Ion Ratio Lower Upper
84 100
49 119.2 102.8 154.2
51 42.2 31.1 46.7
86 62.2 50.6 75.8

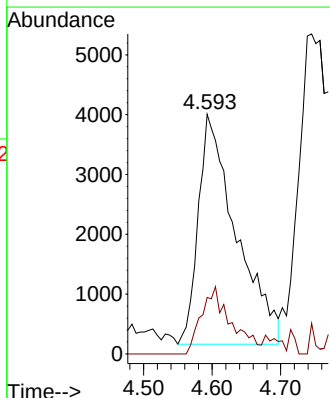
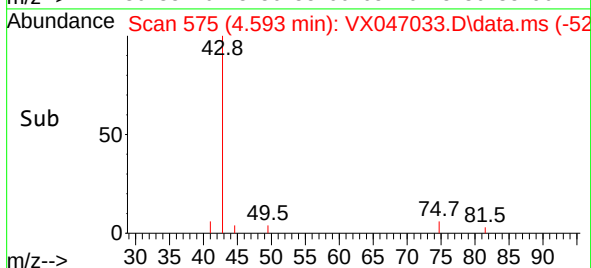
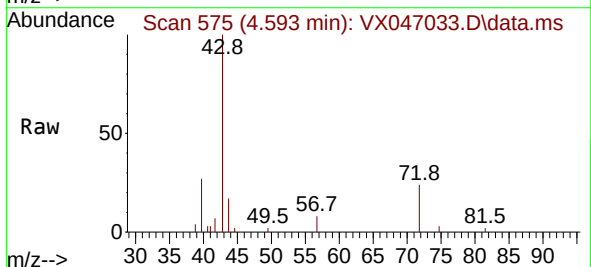
Manual Integrations
APPROVED

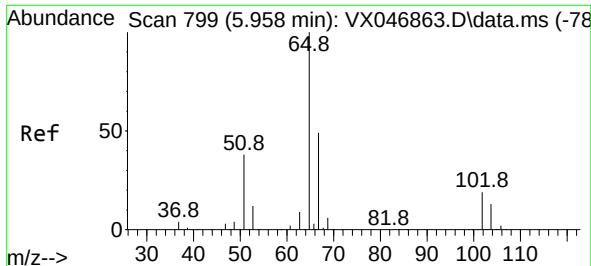
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#25
2-Butanone
Concen: 6.085 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.030 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

Tgt Ion: 43 Resp: 14735
Ion Ratio Lower Upper
43 100
72 20.9 20.0 30.0





#33

1,2-Dichloroethane-d4

Concen: 53.340 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.012 min

Lab File: VX047033.D

Acq: 16 Jul 2025 16:12

Instrument :

MSVOA_X

ClientSampleId :

710-C

Tgt Ion: 65 Resp: 311672

Ion Ratio Lower Upper

65 100

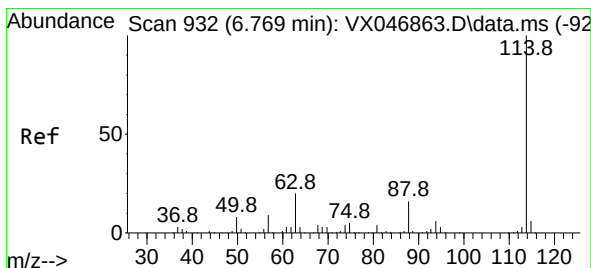
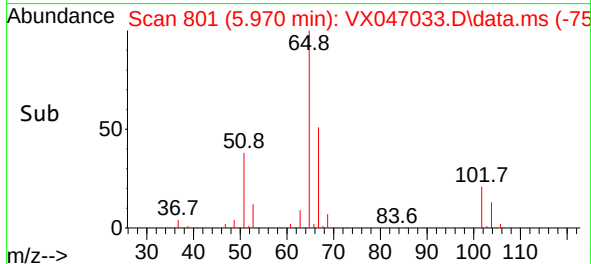
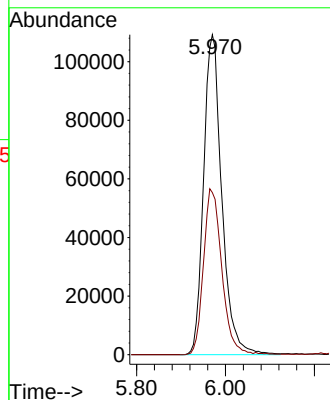
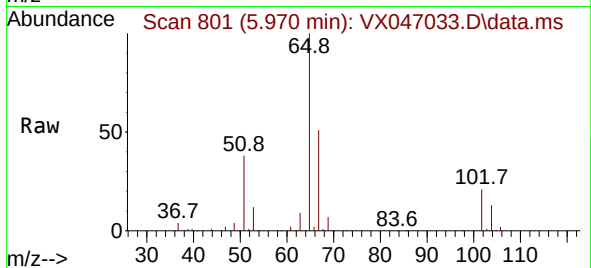
67 52.3 0.0 105.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047033.D

Acq: 16 Jul 2025 16:12

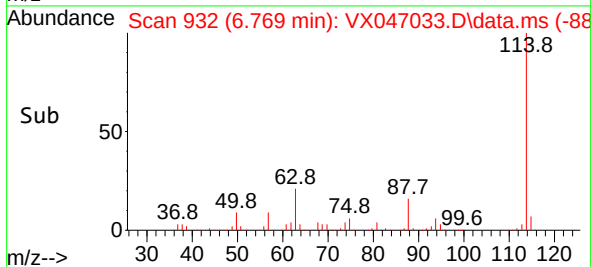
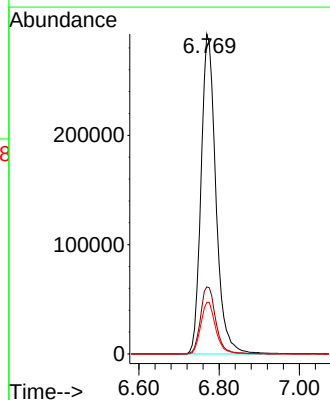
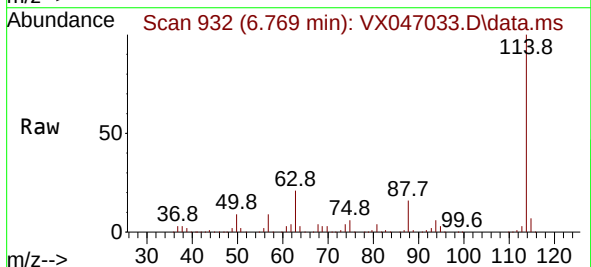
Tgt Ion:114 Resp: 750889

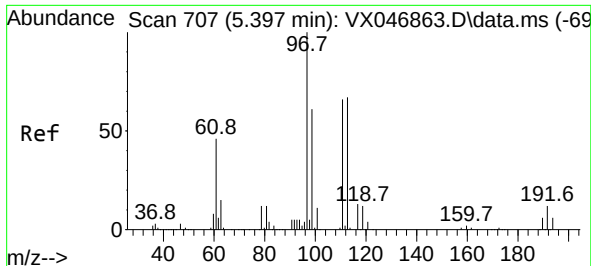
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.4

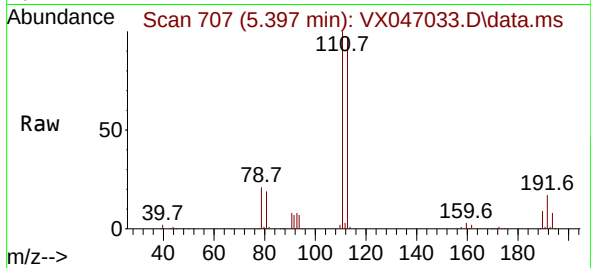
88 16.1 0.0 31.0





#35
Dibromofluoromethane
Concen: 49.731 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

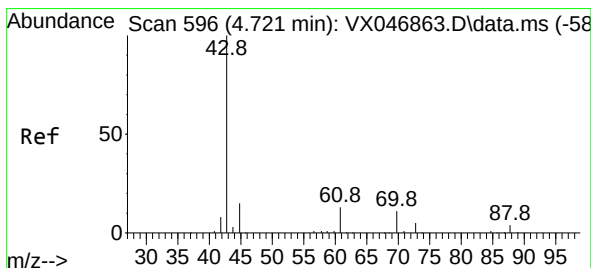
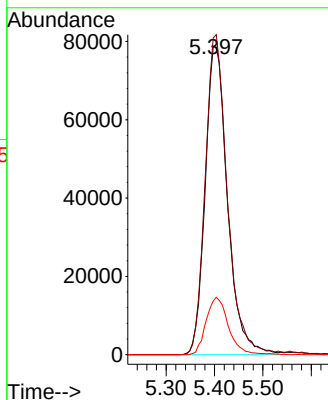
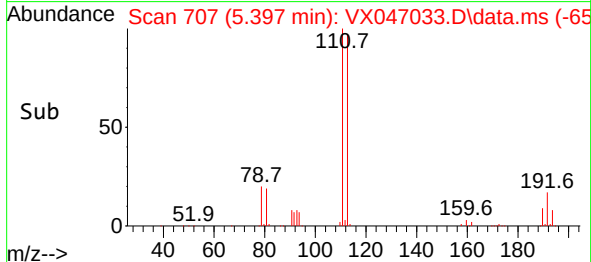
Instrument :
MSVOA_X
ClientSampleId :
710-C



Tgt Ion:113 Resp: 253479
Ion Ratio Lower Upper
113 100
111 102.9 81.2 121.8
192 18.6 15.3 22.9

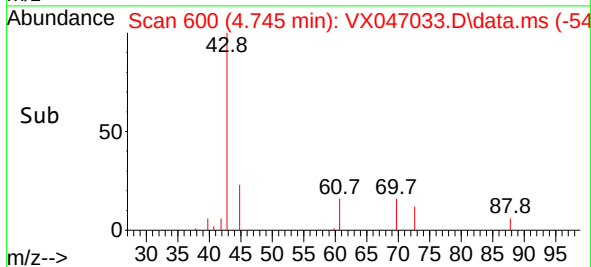
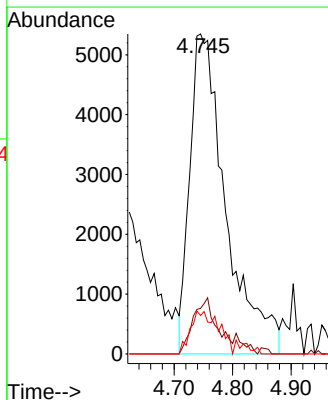
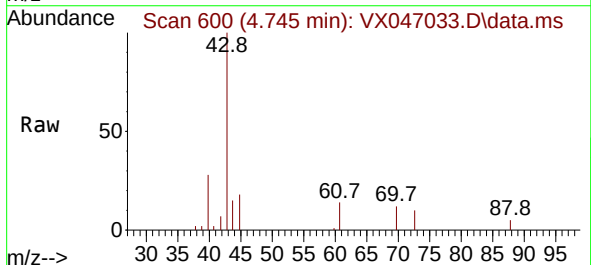
Manual Integrations
APPROVED

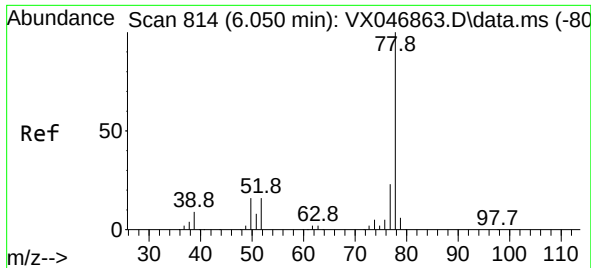
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#37
Ethyl Acetate
Concen: 3.921 ug/l m
RT: 4.745 min Scan# 600
Delta R.T. 0.024 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

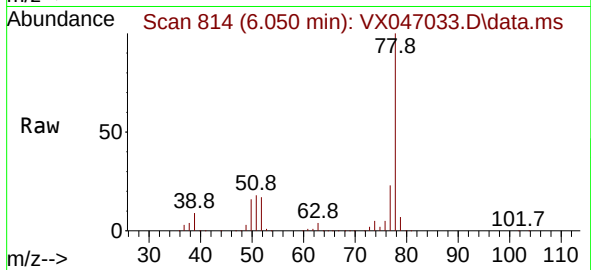
Tgt Ion: 43 Resp: 22966
Ion Ratio Lower Upper
43 100
61 11.5 9.7 14.5
70 10.3 8.3 12.5





#40
Benzene
Concen: 199.888 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

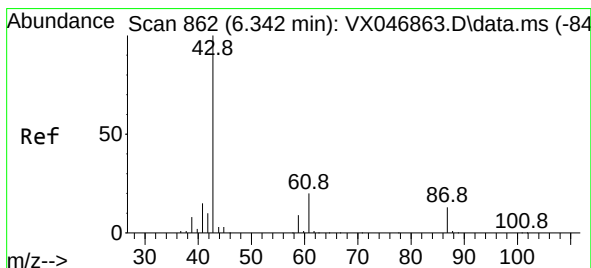
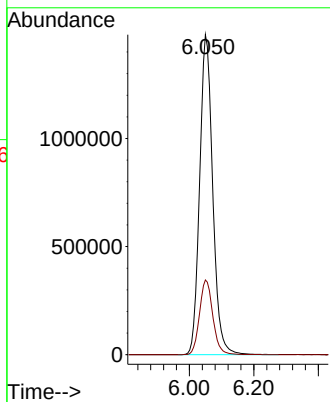
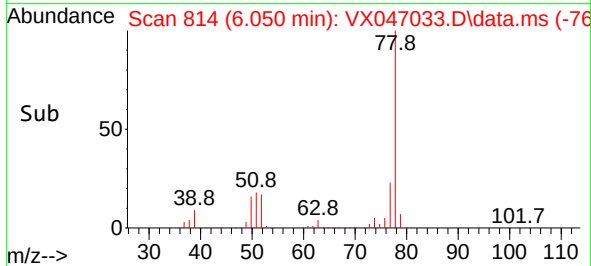
Instrument :
MSVOA_X
ClientSampleId :
710-C



Tgt Ion: 78 Resp: 4157800
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1

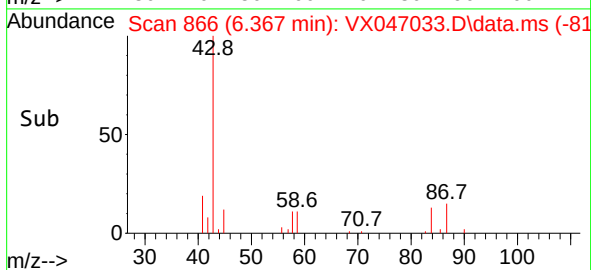
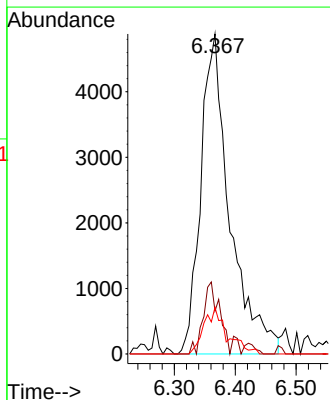
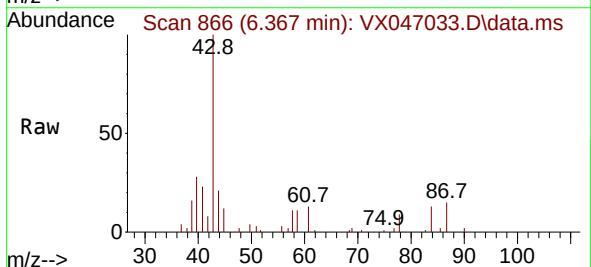
Manual Integrations
APPROVED

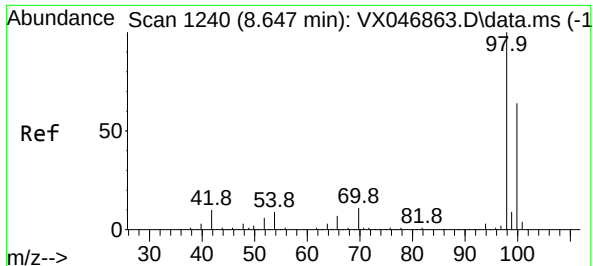
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#43
Isopropyl Acetate
Concen: 1.799 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.024 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

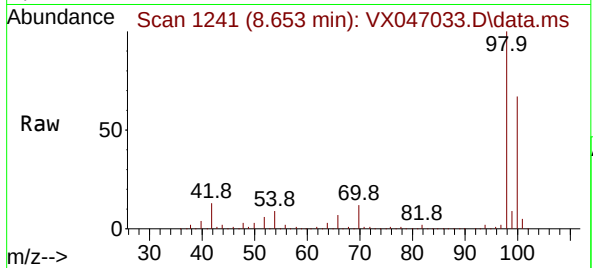
Tgt Ion: 43 Resp: 16140
Ion Ratio Lower Upper
43 100
61 12.6 15.7 23.5#
87 10.0 10.1 15.1#





#50
Toluene-d8
Concen: 51.092 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

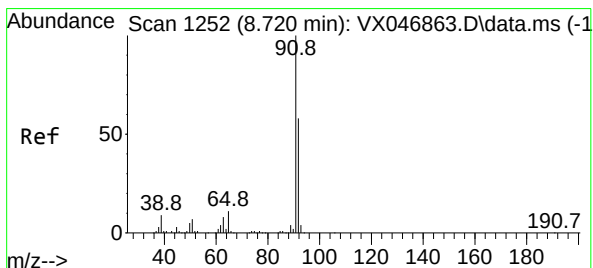
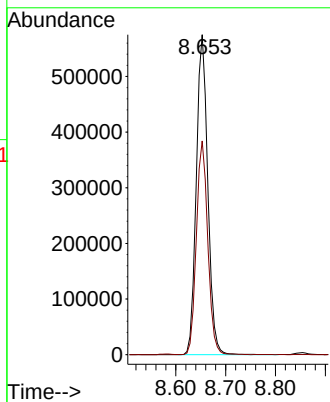
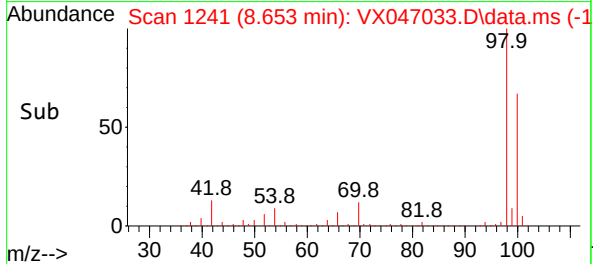
Instrument :
MSVOA_X
ClientSampleId :
710-C



Tgt Ion: 98 Resp: 91880
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6

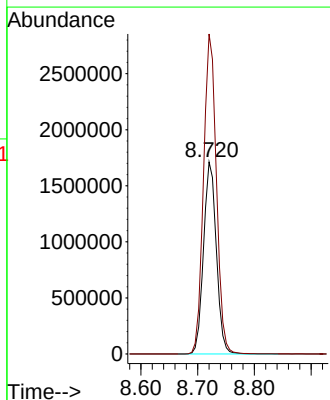
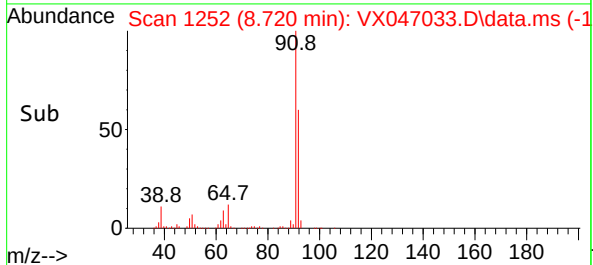
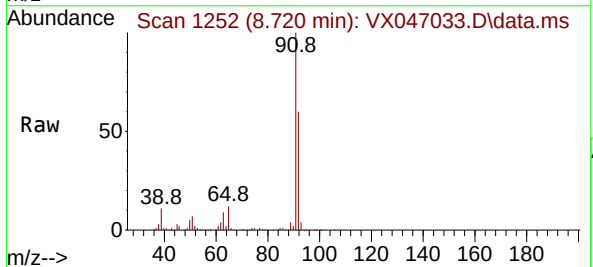
Manual Integrations
APPROVED

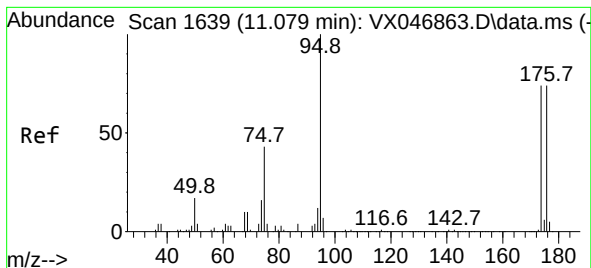
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#52
Toluene
Concen: 207.562 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

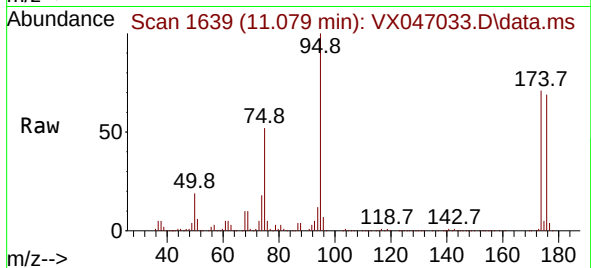
Tgt Ion: 92 Resp: 2675405
Ion Ratio Lower Upper
92 100
91 167.9 137.9 206.9





#62
4-Bromofluorobenzene
Concen: 50.513 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

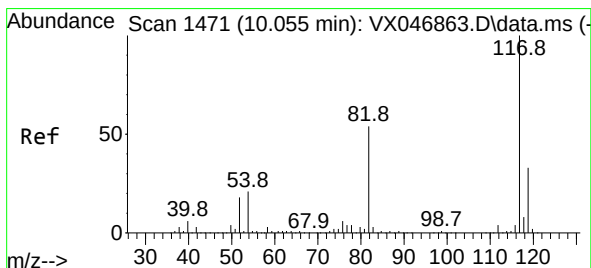
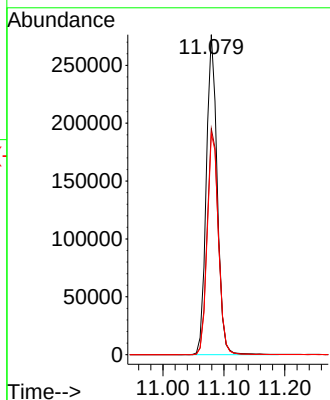
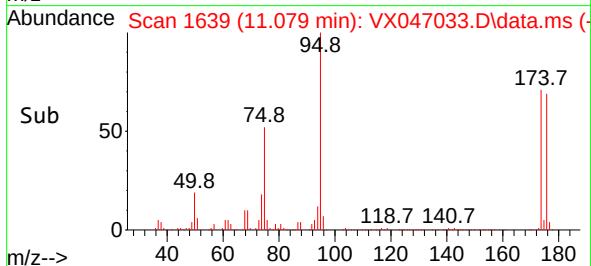
Instrument :
MSVOA_X
ClientSampleId :
710-C



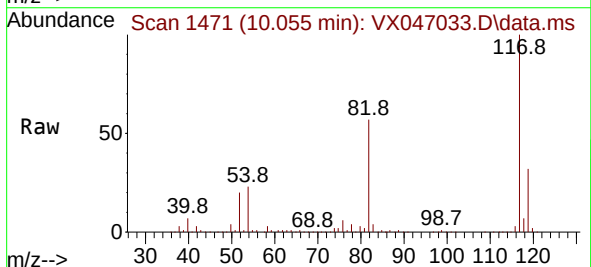
Tgt Ion: 95 Resp: 34524
Ion Ratio Lower Upper
95 100
174 72.4 0.0 152.0
176 71.3 0.0 145.2

Manual Integrations
APPROVED

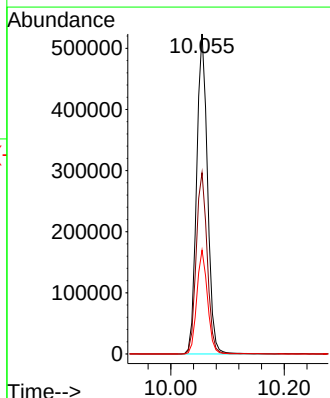
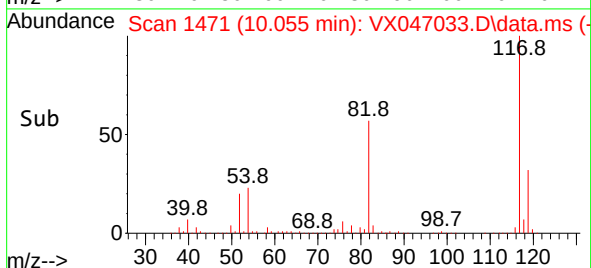
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

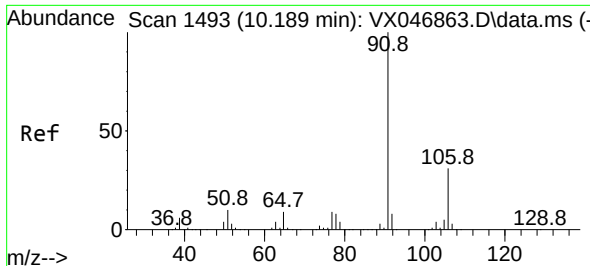


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12



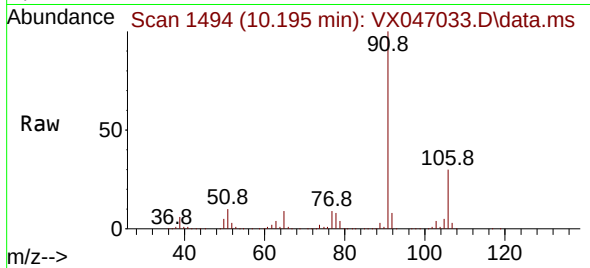
Tgt Ion:117 Resp: 697042
Ion Ratio Lower Upper
117 100
82 56.7 43.3 64.9
119 32.5 26.4 39.6





#67
Ethyl Benzene
Concen: 17.660 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

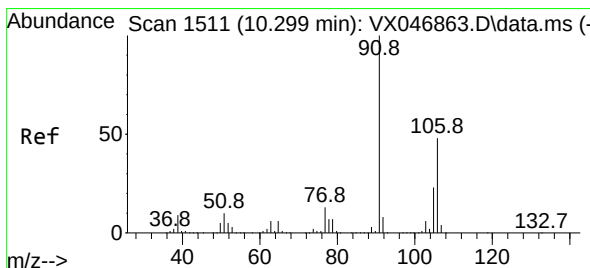
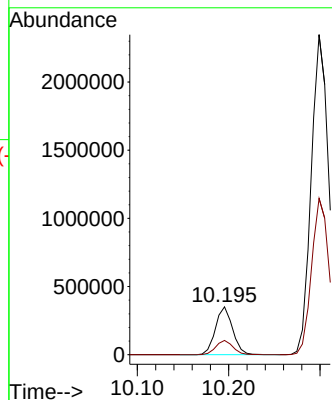
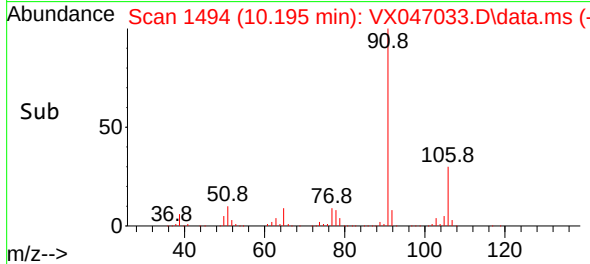
Instrument :
MSVOA_X
ClientSampleId :
710-C



Tgt Ion: 91 Resp: 45577
Ion Ratio Lower Upper
91 100
106 30.0 24.4 36.6

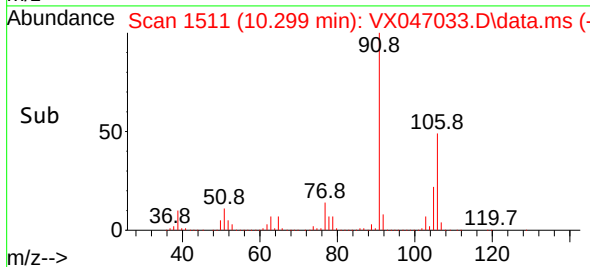
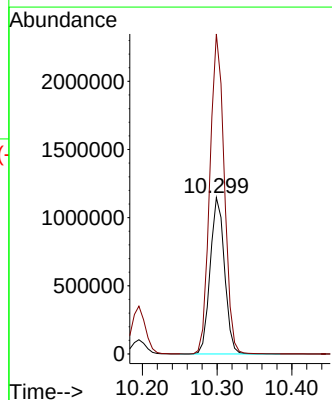
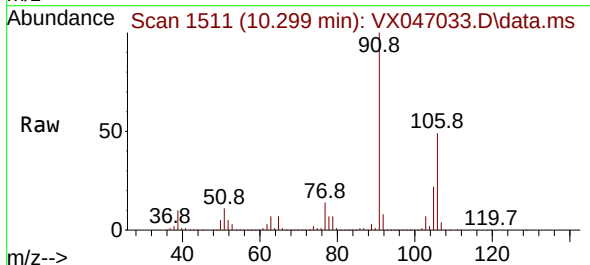
Manual Integrations
APPROVED

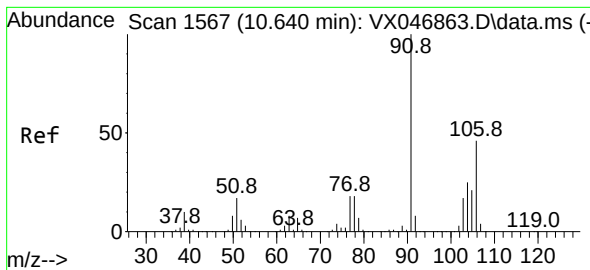
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#68
m/p-Xylenes
Concen: 156.828 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

Tgt Ion:106 Resp: 1525163
Ion Ratio Lower Upper
106 100
91 205.8 164.6 246.8





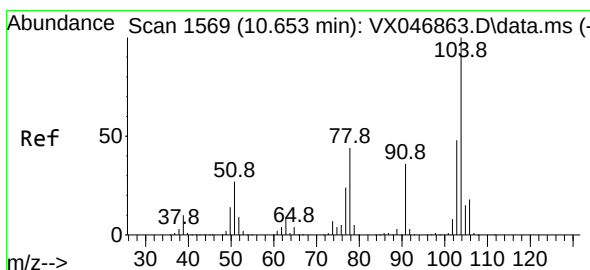
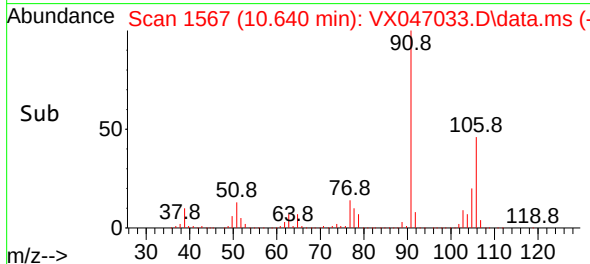
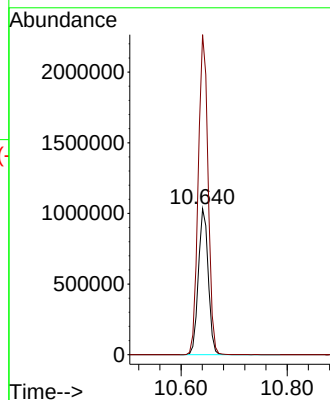
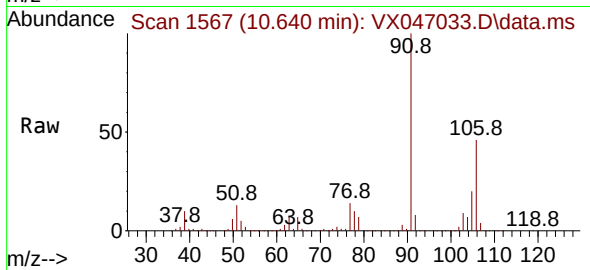
#69
o-Xylene
Concen: 141.842 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

Instrument :
MSVOA_X
ClientSampleId :
710-C

Tgt Ion:106 Resp: 1332468
Ion Ratio Lower Upper
106 100
91 219.3 109.5 328.5

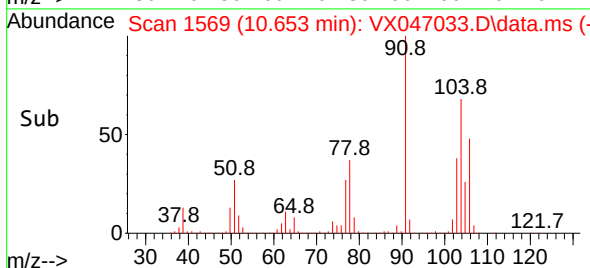
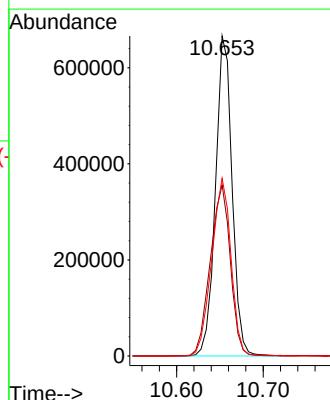
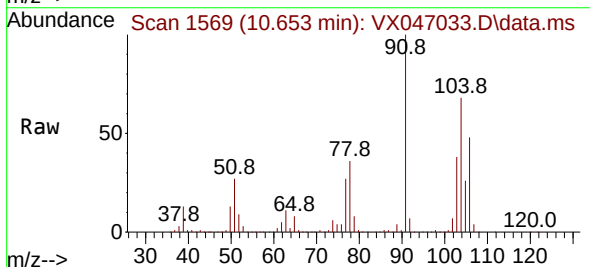
Manual Integrations
APPROVED

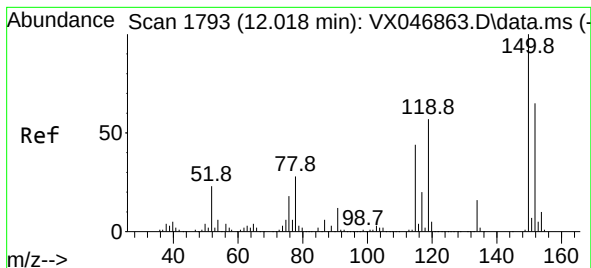
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#70
Styrene
Concen: 55.206 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

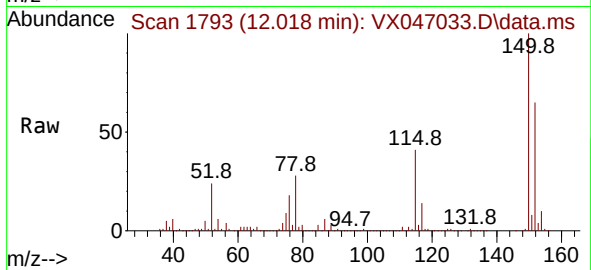
Tgt Ion:104 Resp: 887284
Ion Ratio Lower Upper
104 100
78 64.5 40.3 60.5#
103 64.6 42.8 64.2#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

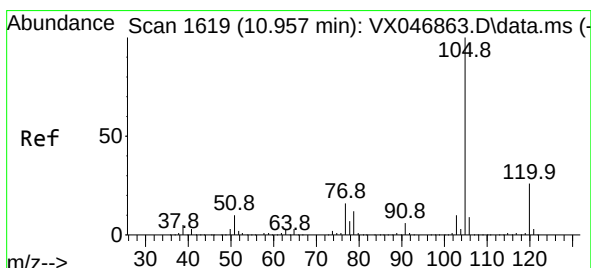
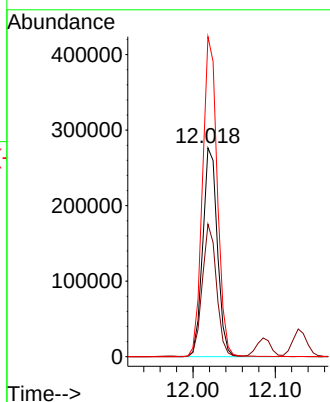
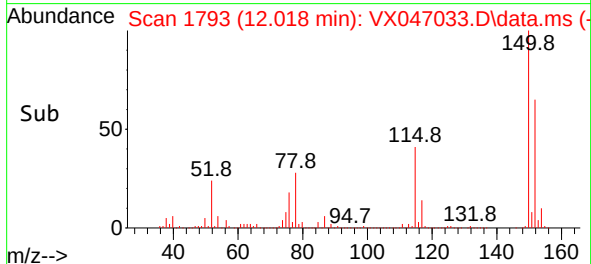
Instrument :
MSVOA_X
ClientSampleId :
710-C



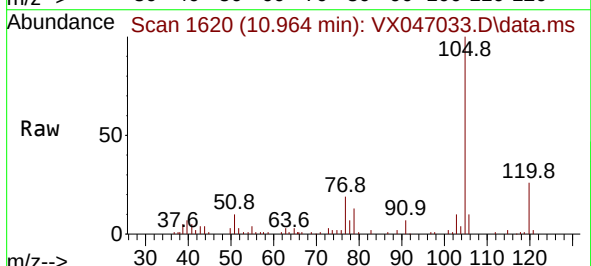
Tgt Ion:152 Resp: 340784
Ion Ratio Lower Upper
152 100
115 61.5 42.4 127.1
150 154.6 0.0 349.2

Manual Integrations
APPROVED

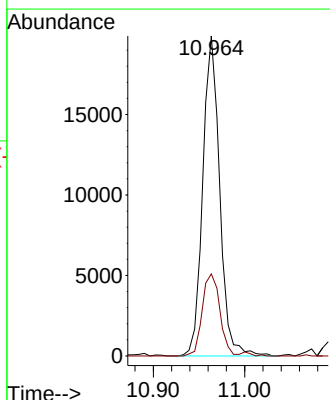
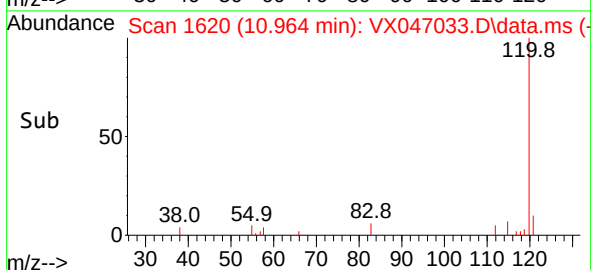
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

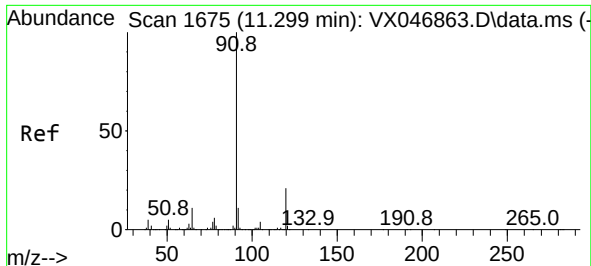


#73
Isopropylbenzene
Concen: 1.065 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12



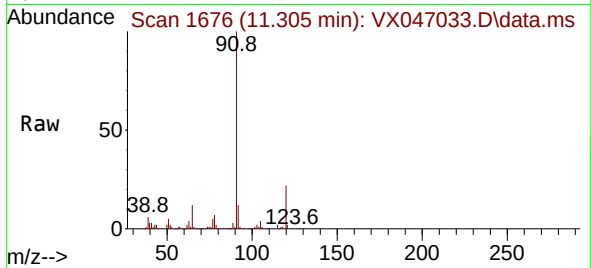
Tgt Ion:105 Resp: 25521
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.5





#78
n-propylbenzene
Concen: 1.815 ug/l
RT: 11.305 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

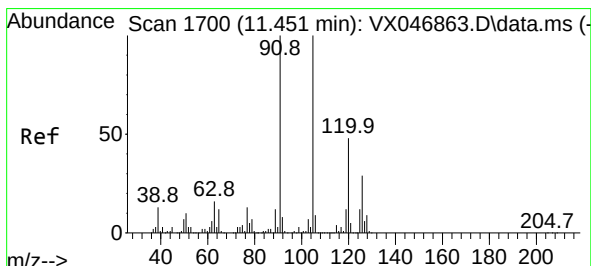
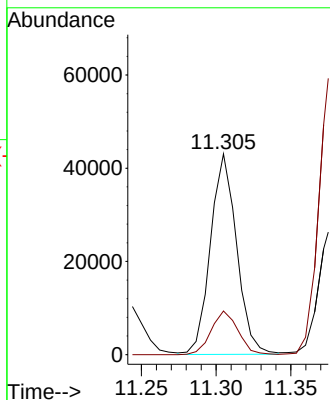
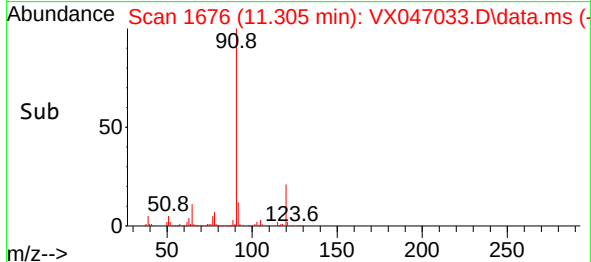
Instrument :
MSVOA_X
ClientSampleId :
710-C



Tgt Ion: 91 Resp: 52435
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.5

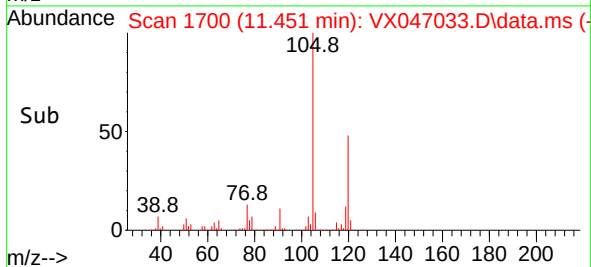
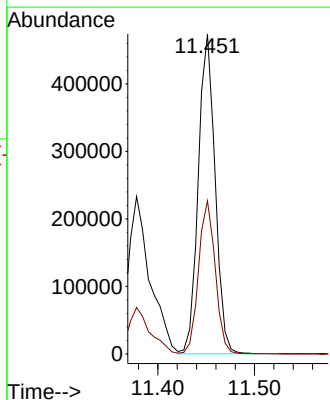
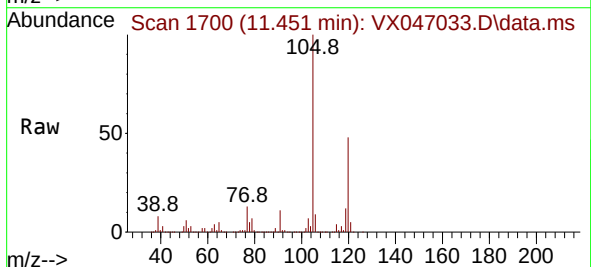
Manual Integrations
APPROVED

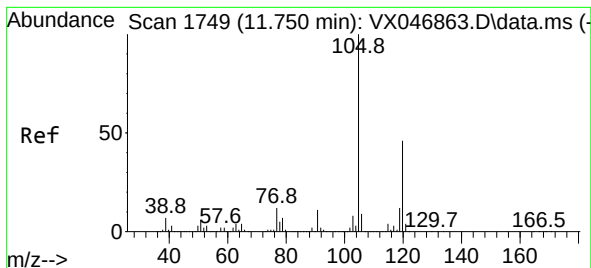
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#80
1,3,5-Trimethylbenzene
Concen: 29.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

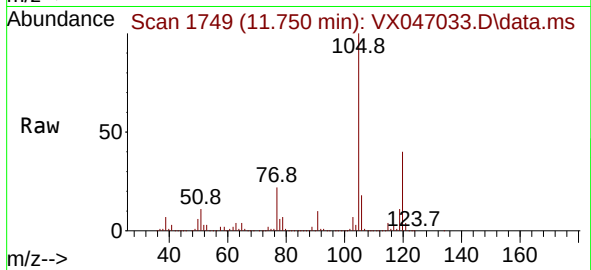
Tgt Ion:105 Resp: 573124
Ion Ratio Lower Upper
105 100
120 47.5 24.1 72.4





#84
1,2,4-Trimethylbenzene
Concen: 77.004 ug/l
RT: 11.750 min Scan# 11749
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

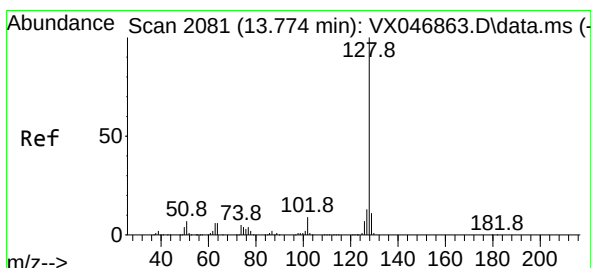
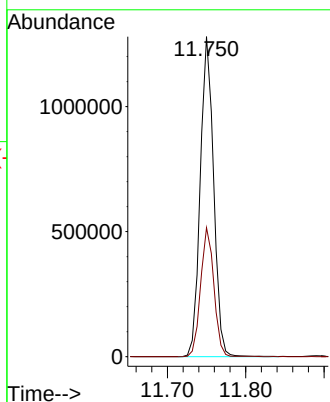
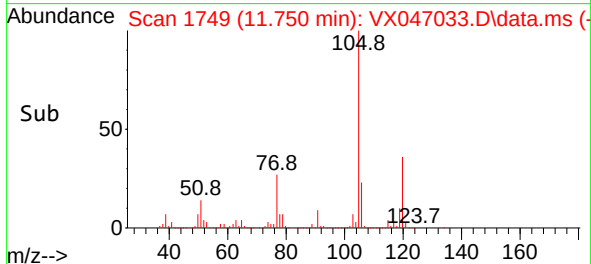
Instrument :
MSVOA_X
ClientSampleId :
710-C



Tgt Ion:105 Resp: 1515056
Ion Ratio Lower Upper
105 100
120 39.9 23.3 69.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#95
Naphthalene
Concen: 982.991 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047033.D
Acq: 16 Jul 2025 16:12

Tgt Ion:128 Resp:19030436
Ion Ratio Lower Upper
128 100
127 24.3 10.2 15.4#
129 22.9 8.6 13.0#

