

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048785.D
 Acq On : 09 Dec 2025 15:29
 Operator : JC/MD
 Sample : Q3803-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-I

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/10/2025
 Supervised By :Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 00:24:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	156599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	309105	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	323314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	175708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105684	50.282	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.560%			
35) Dibromofluoromethane	5.373	113	95948	45.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.160%			
50) Toluene-d8	8.635	98	343915	46.099	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.200%			
62) 4-Bromofluorobenzene	11.061	95	148877	57.871	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.740%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	9274	27.329	ug/l	95
16) Acetone	2.373	43	139304	173.128	ug/l	99
18) Methyl Acetate	2.697	43	4416	1.951	ug/l	99
20) Methylene Chloride	2.794	84	109294	54.343	ug/l	94
25) 2-Butanone	4.550	43	25555	21.519	ug/l #	88
40) Benzene	6.025	78	3581776	414.487	ug/l	100
43) Isopropyl Acetate	6.324	43	13870	2.630	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	57060m	17.430	ug/l	
52) Toluene	8.702	92	1272701	244.238	ug/l	99
67) Ethyl Benzene	10.177	91	116427	10.082	ug/l	99
68) m/p-Xylenes	10.281	106	229008	50.909	ug/l	98
69) o-Xylene	10.622	106	145785	34.585	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	23157	2.379	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	107648	10.965	ug/l	76
95) Naphthalene	13.756	128	780154	68.853	ug/l	100

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

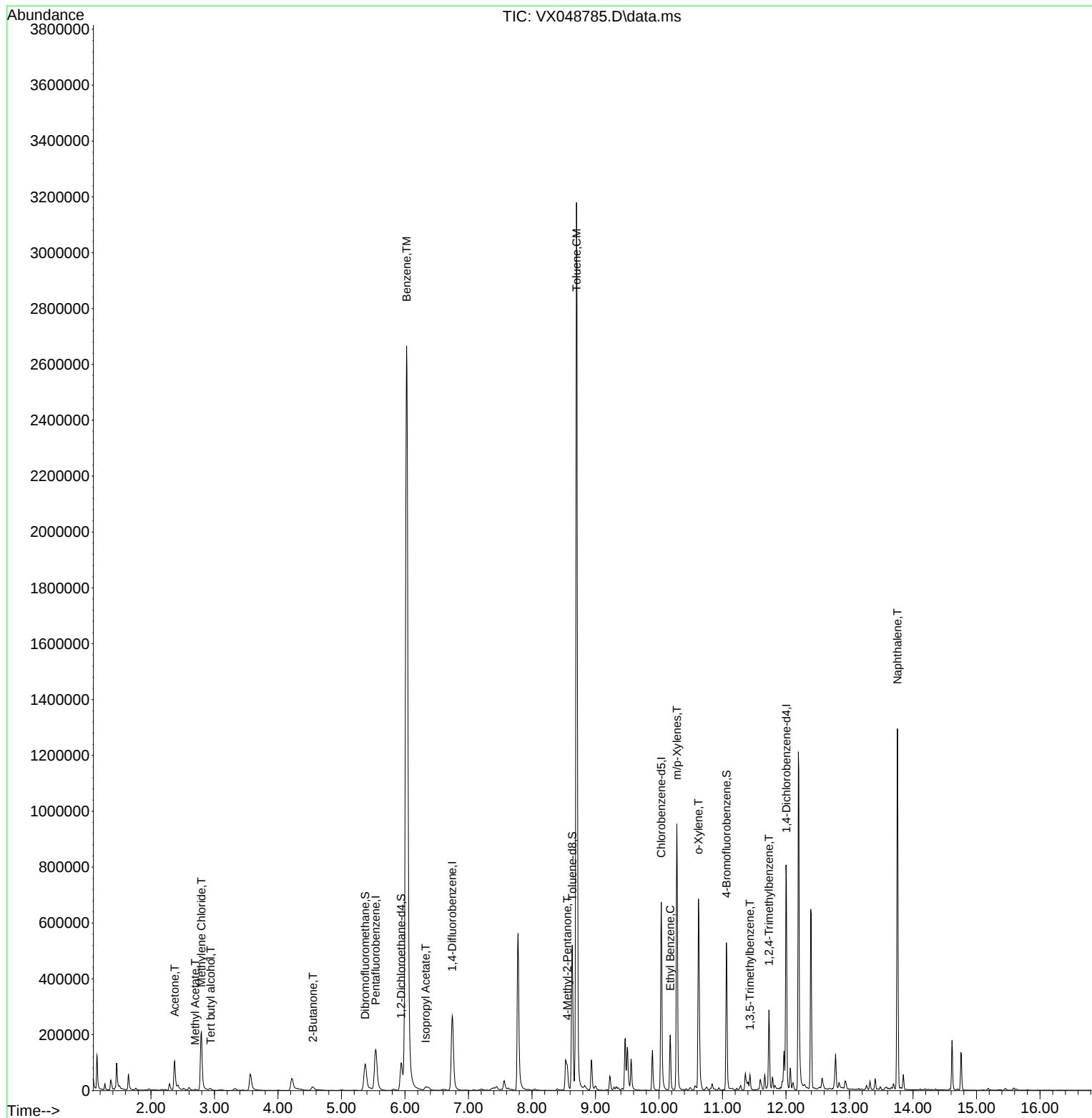
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048785.D
Acq On : 09 Dec 2025 15:29
Operator : JC/MD
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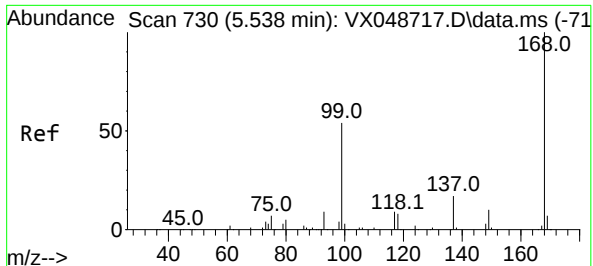
Instrument :
MSVOA_X
ClientSampleId :
CHASE-I

Quant Time: Dec 10 00:24:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

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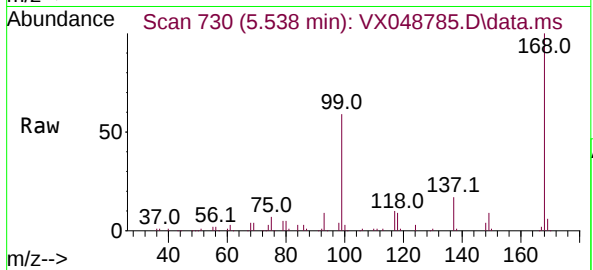
Reviewed By : John Carlone 12/10/2025
Supervised By : Mahesh Dadoda 12/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

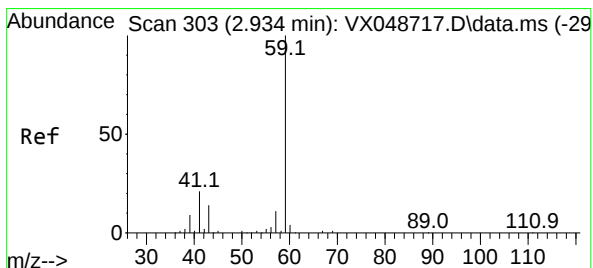
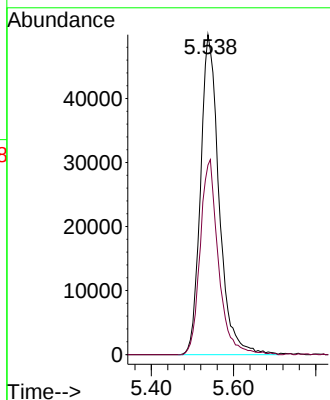
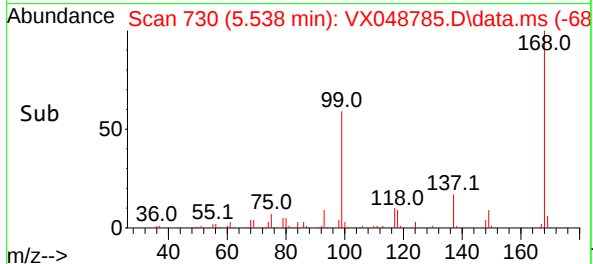
Instrument :
MSVOA_X
ClientSampleId :
CHASE-I



Tgt Ion:168 Resp: 156599
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4

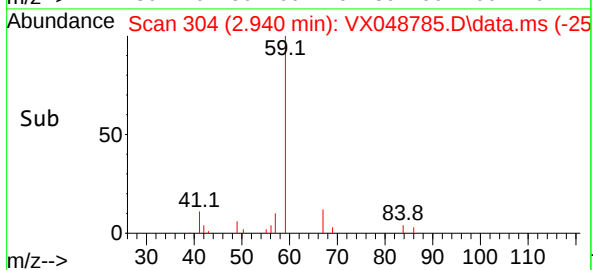
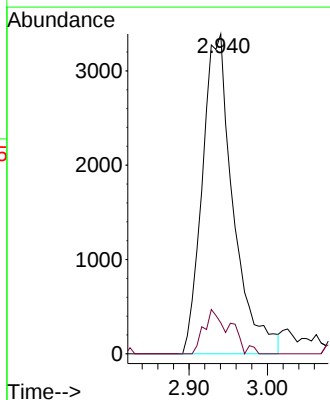
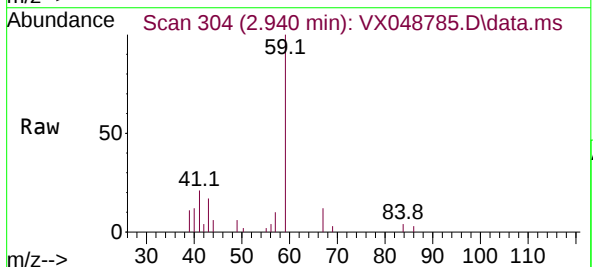
Manual Integrations
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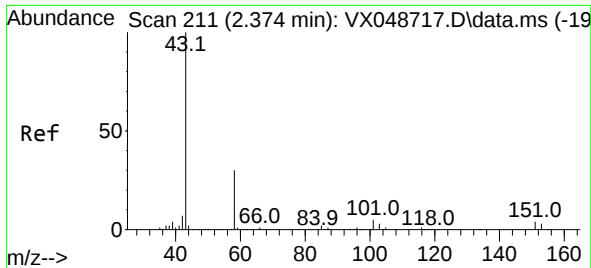
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#11
Tert butyl alcohol
Concen: 27.329 ug/l
RT: 2.940 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

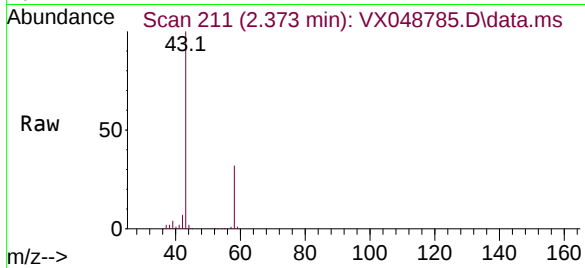
Tgt Ion: 59 Resp: 9274
Ion Ratio Lower Upper
59 100
57 8.1 8.1 12.1





#16
Acetone
Concen: 173.128 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

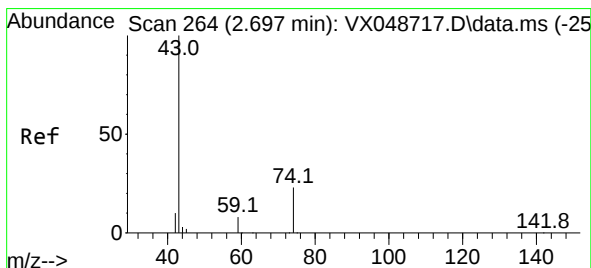
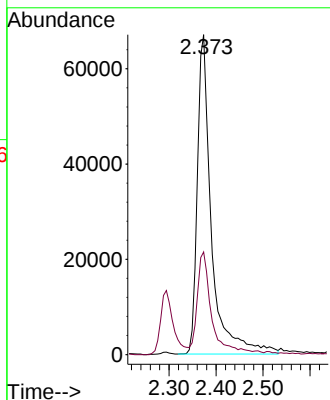
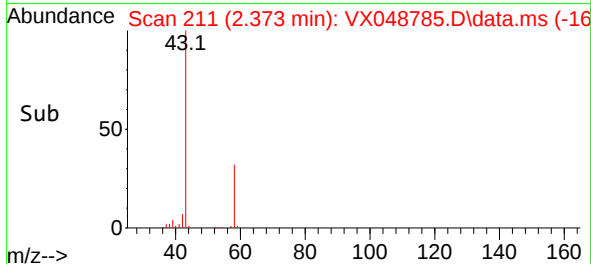
Instrument :
MSVOA_X
ClientSampleId :
CHASE-I



Tgt Ion: 43 Resp: 139304
Ion Ratio Lower Upper
43 100
58 31.7 25.0 37.4

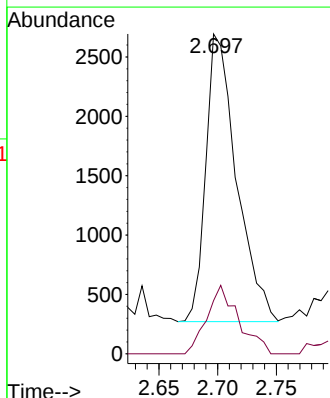
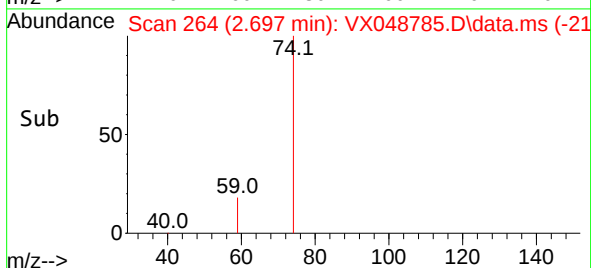
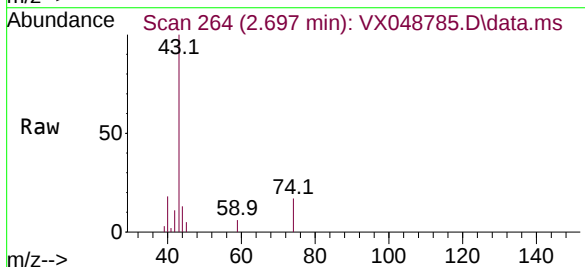
Manual Integrations
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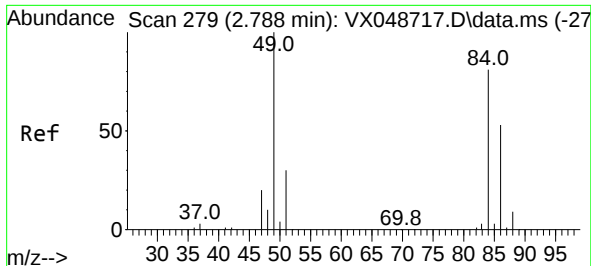
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#18
Methyl Acetate
Concen: 1.951 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

Tgt Ion: 43 Resp: 4416
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





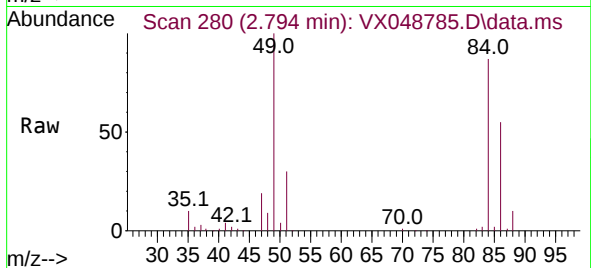
#20
Methylene Chloride
Concen: 54.343 ug/l
RT: 2.794 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

CHASE-I



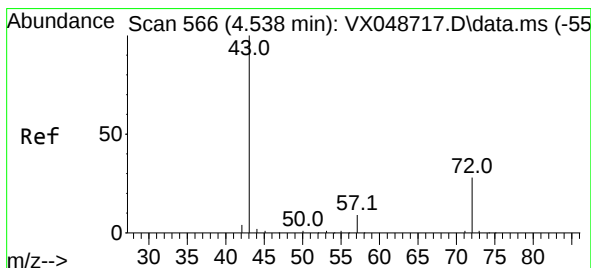
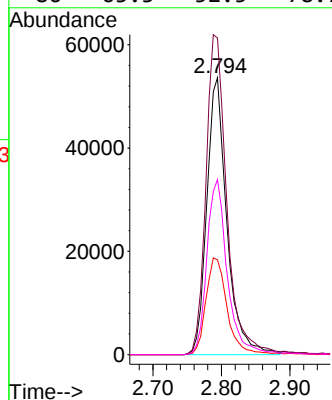
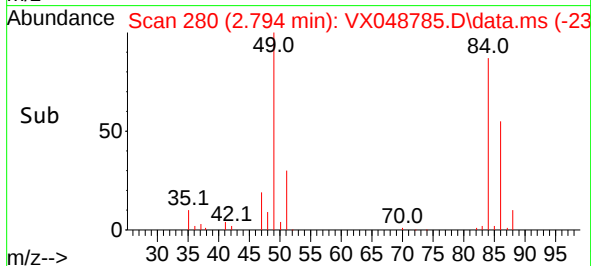
Tgt Ion: 84 Resp: 109294
Ion Ratio Lower Upper
84 100
49 114.4 98.7 148.1
51 34.2 29.4 44.2
86 63.3 52.5 78.7

Manual Integrations

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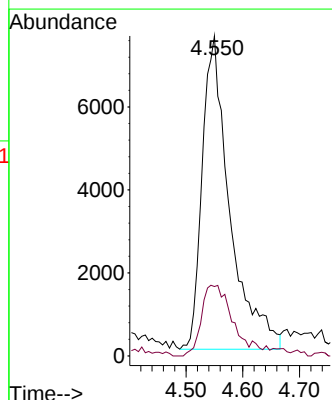
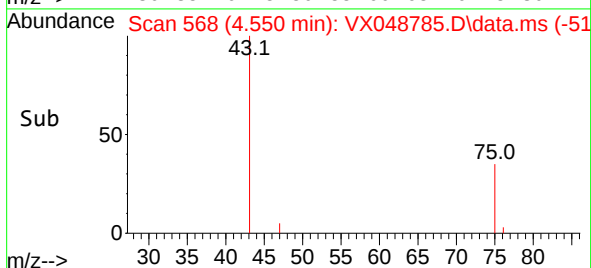
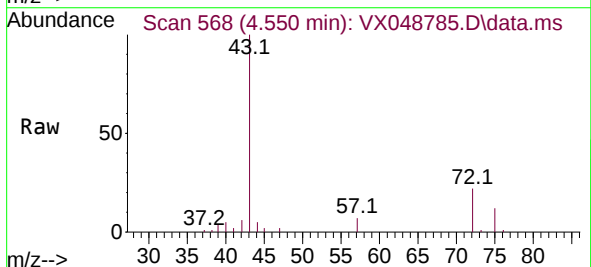
Reviewed By :John Carlone 12/10/2025

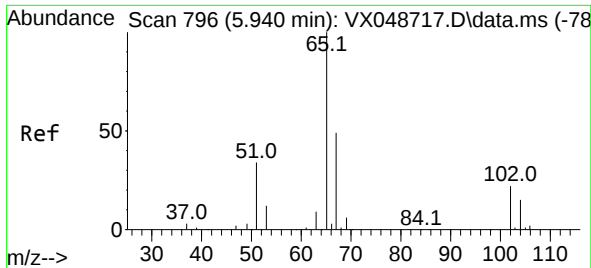
Supervised By :Mahesh Dadoda 12/10/2025



#25
2-Butanone
Concen: 21.519 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

Tgt Ion: 43 Resp: 25555
Ion Ratio Lower Upper
43 100
72 22.1 22.6 34.0#





#33

1,2-Dichloroethane-d4

Concen: 50.282 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048785.D

Acq: 09 Dec 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

CHASE-I

Tgt Ion: 65 Resp: 105684

Ion Ratio Lower Upper

65 100

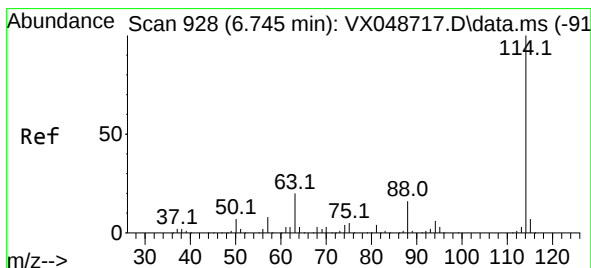
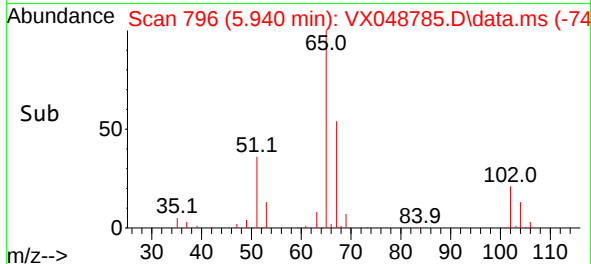
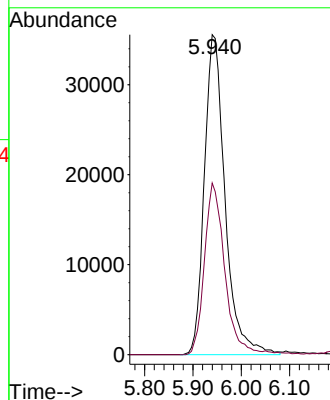
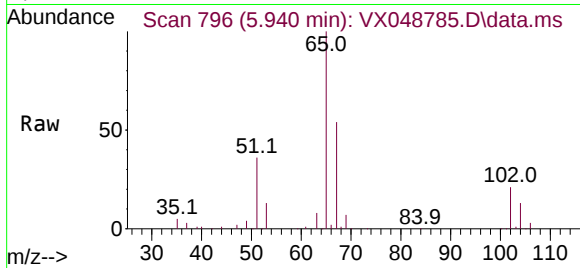
67 53.2 0.0 107.4

Manual Integrations

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Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048785.D

Acq: 09 Dec 2025 15:29

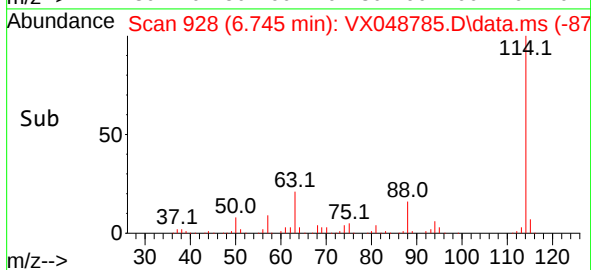
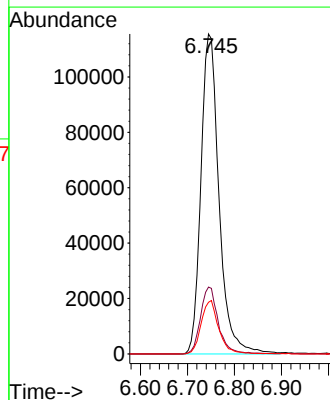
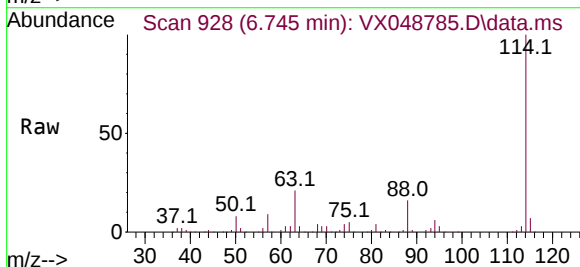
Tgt Ion:114 Resp: 309105

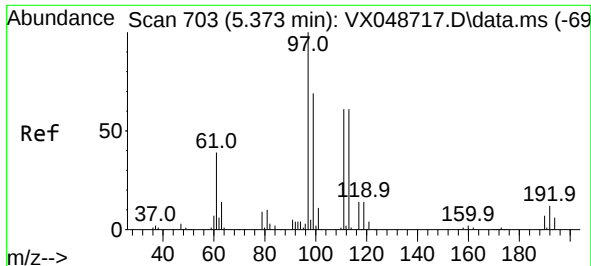
Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.0

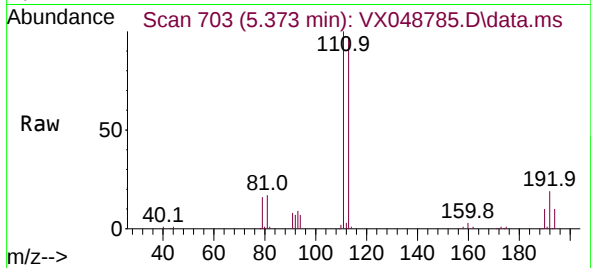
88 16.1 0.0 31.8





#35
Dibromofluoromethane
Concen: 45.082 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

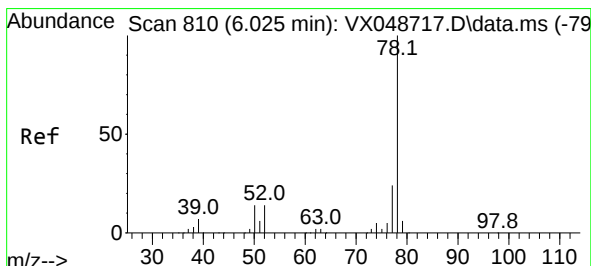
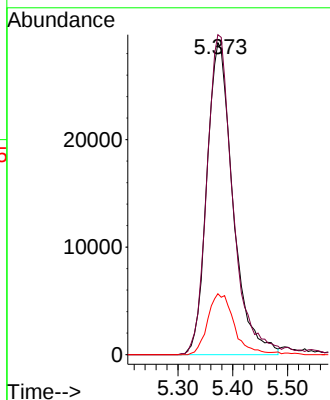
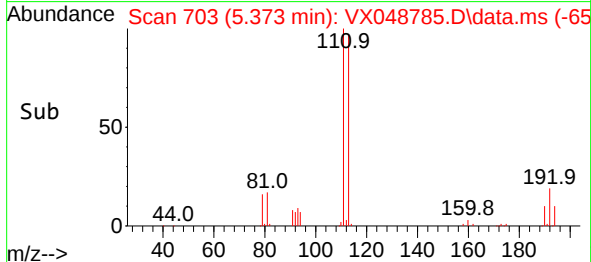
Instrument :
MSVOA_X
ClientSampleId :
CHASE-I



Tgt Ion:113 Resp: 95948
Ion Ratio Lower Upper
113 100
111 101.9 79.5 119.3
192 19.6 16.1 24.1

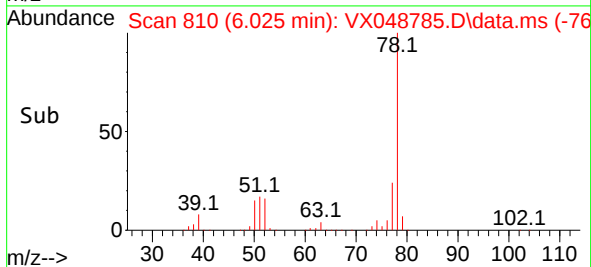
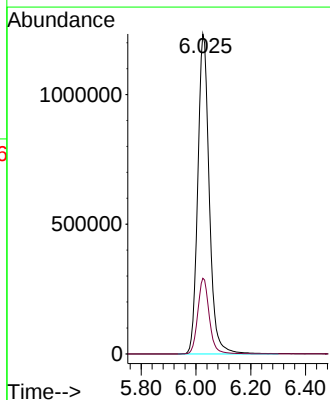
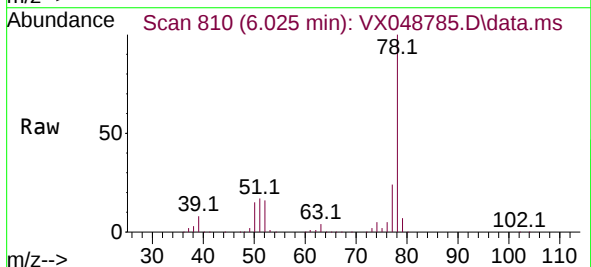
Manual Integrations
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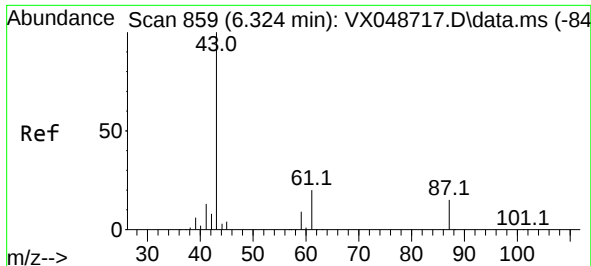
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#40
Benzene
Concen: 414.487 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

Tgt Ion: 78 Resp: 3581776
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





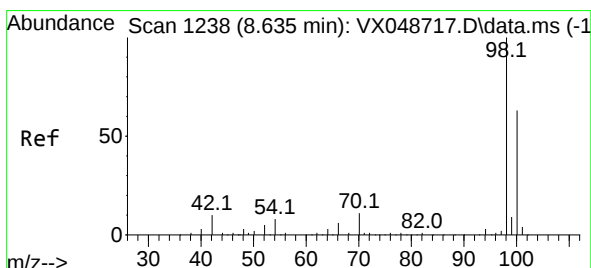
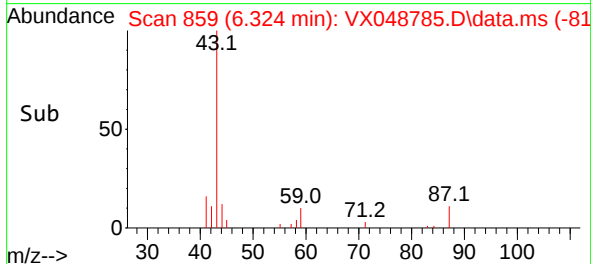
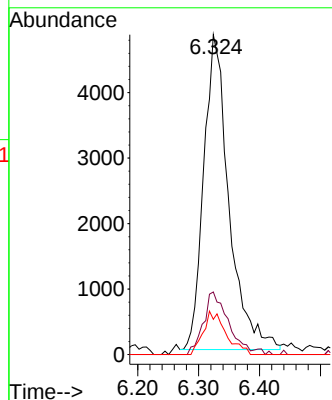
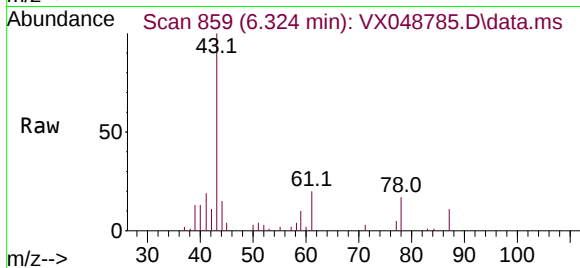
#43
Isopropyl Acetate
Concen: 2.630 ug/l
RT: 6.324 min Scan# 859
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :
CHASE-I

Tgt Ion: 43 Resp: 13876
Ion Ratio Lower Upper
43 100
61 20.1 16.8 25.2
87 12.3 11.8 17.6

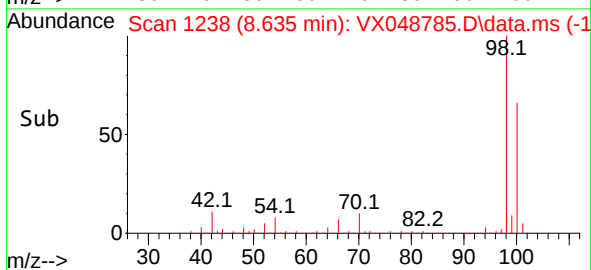
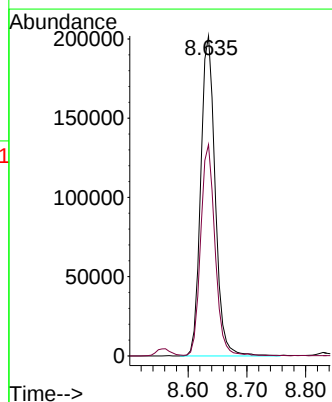
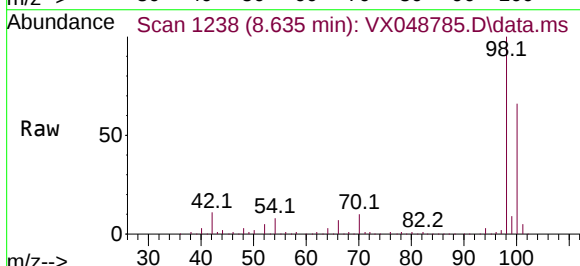
Manual Integrations
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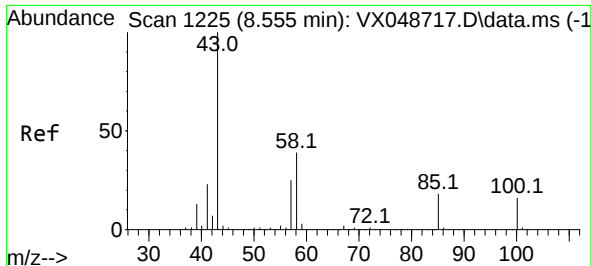
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#50
Toluene-d8
Concen: 46.099 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

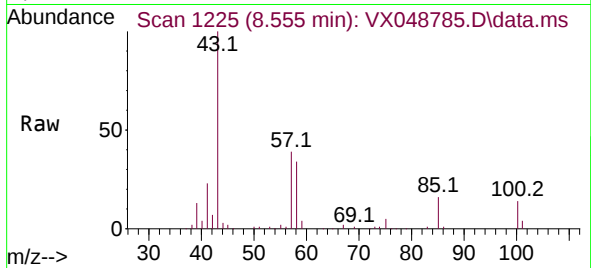
Tgt Ion: 98 Resp: 343915
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0





#51
4-Methyl-2-Pentanone
Concen: 17.430 ug/l m
RT: 8.555 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

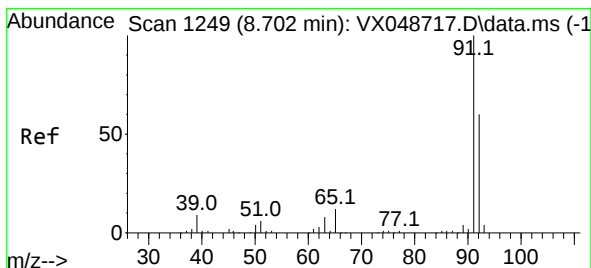
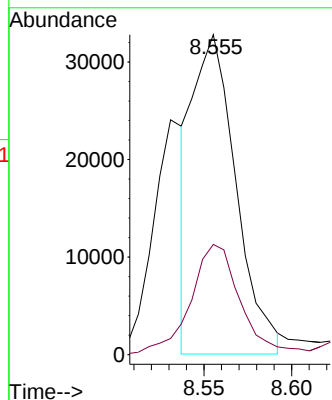
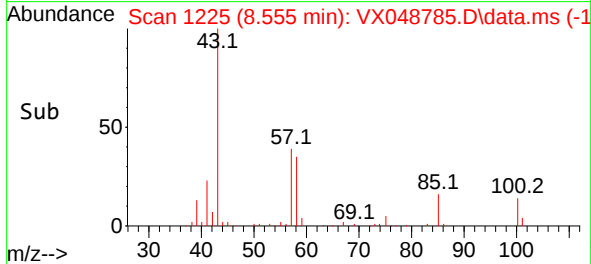
Instrument :
MSVOA_X
ClientSampleId :
CHASE-I



Tgt Ion: 43 Resp: 57060
Ion Ratio Lower Upper
43 100
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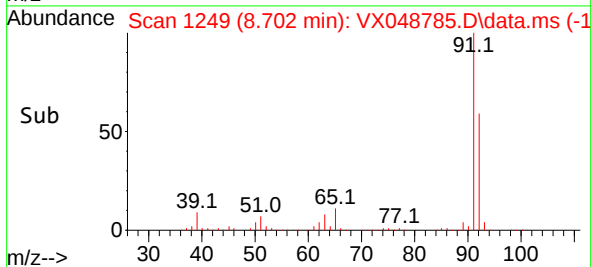
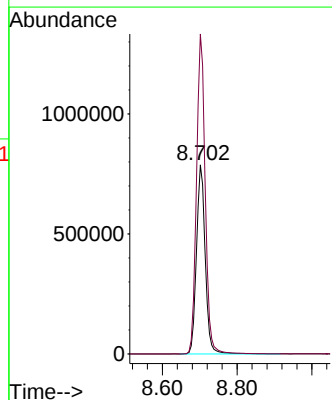
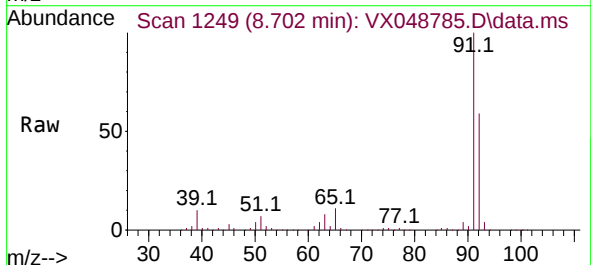
Manual Integrations
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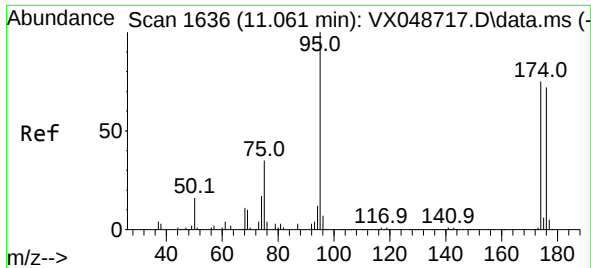
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#52
Toluene
Concen: 244.238 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

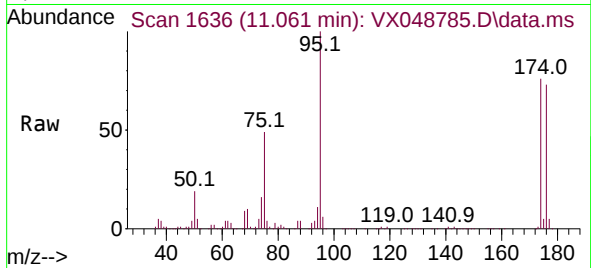
Tgt Ion: 92 Resp: 1272701
Ion Ratio Lower Upper
92 100
91 169.6 136.3 204.5





#62
4-Bromofluorobenzene
Concen: 57.871 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

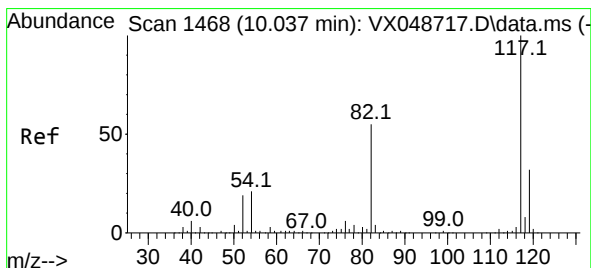
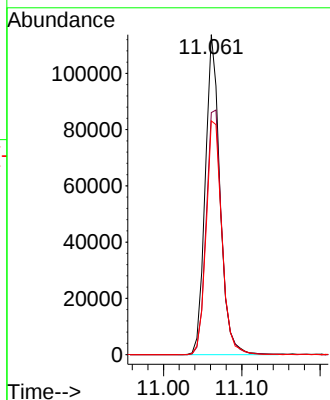
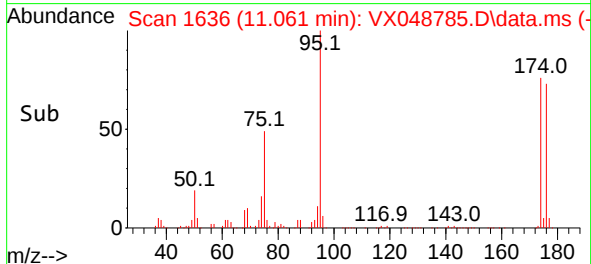
Instrument :
MSVOA_X
ClientSampleId :
CHASE-I



Tgt Ion: 95 Resp: 148872
Ion Ratio Lower Upper
95 100
174 81.3 0.0 157.8
176 78.1 0.0 154.0

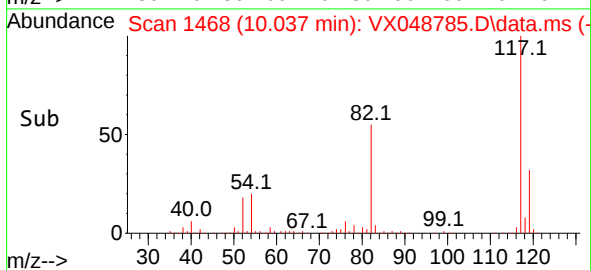
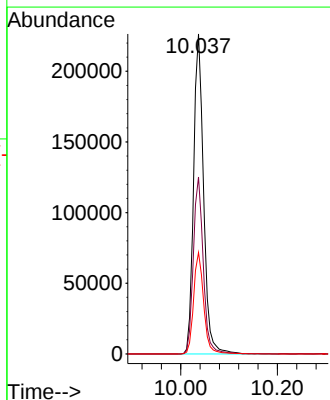
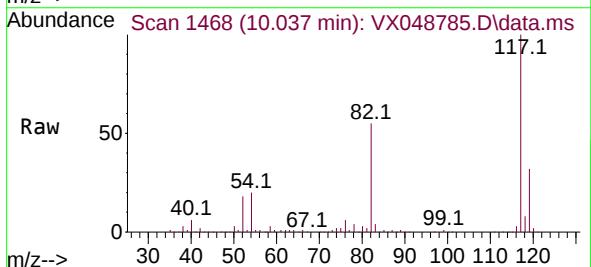
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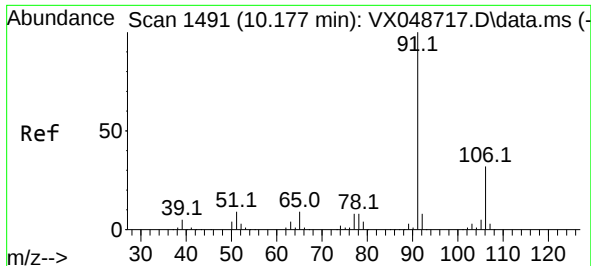
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

Tgt Ion:117 Resp: 323314
Ion Ratio Lower Upper
117 100
82 55.3 44.1 66.1
119 31.7 25.2 37.8





#67

Ethyl Benzene

Concen: 10.082 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048785.D

Acq: 09 Dec 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

CHASE-I

Tgt Ion: 91 Resp: 11642

Ion Ratio Lower Upper

91 100

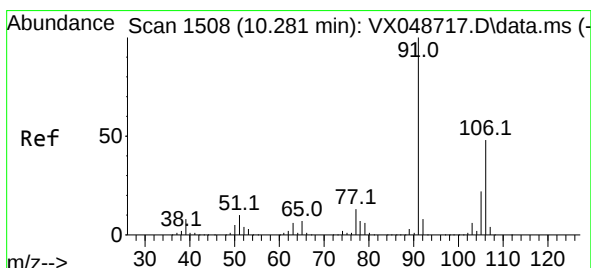
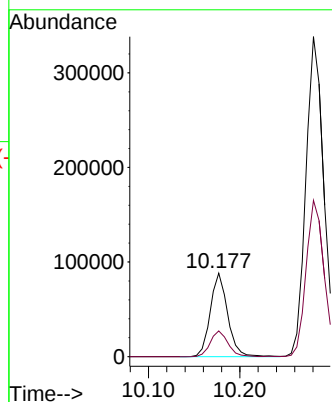
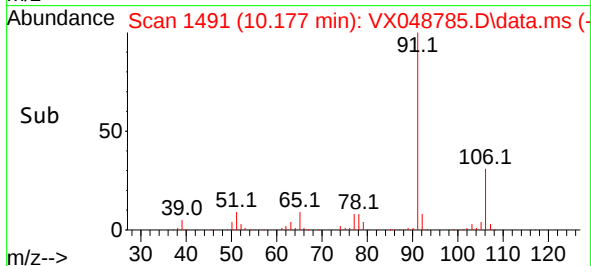
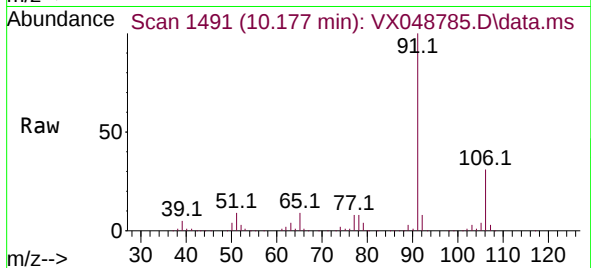
106 30.8 25.3 37.9

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Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#68

m/p-Xylenes

Concen: 50.909 ug/l

RT: 10.281 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VX048785.D

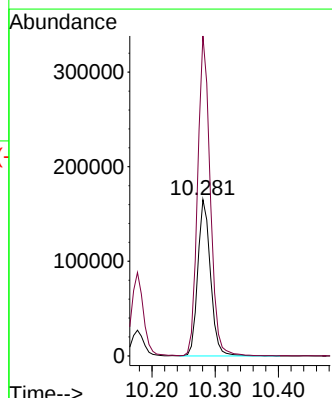
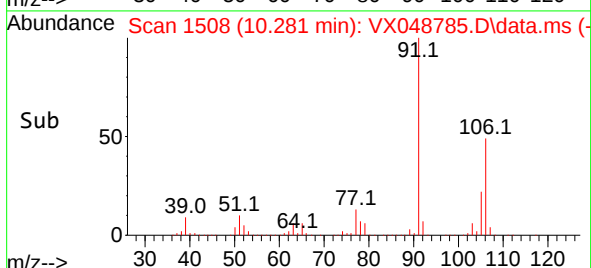
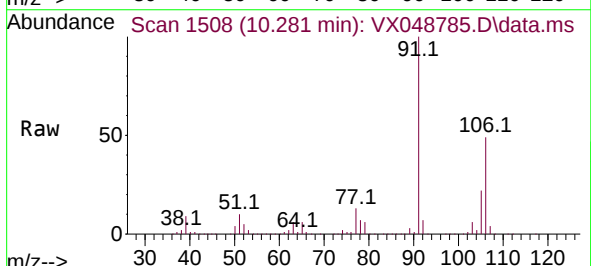
Acq: 09 Dec 2025 15:29

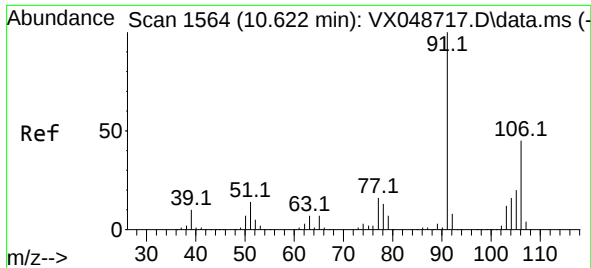
Tgt Ion:106 Resp: 229008

Ion Ratio Lower Upper

106 100

91 202.8 164.2 246.4





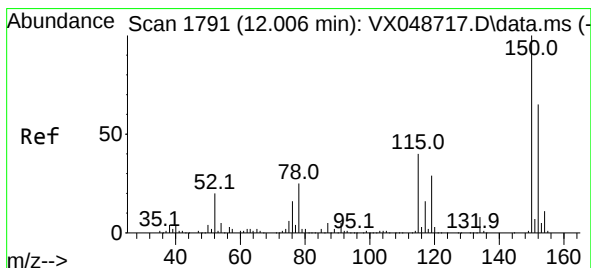
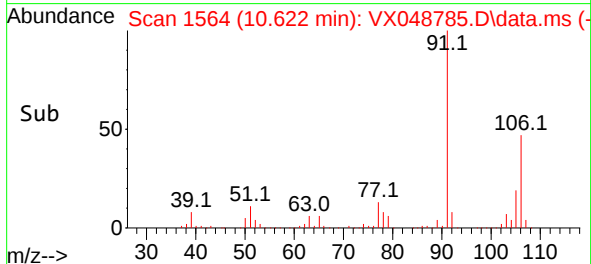
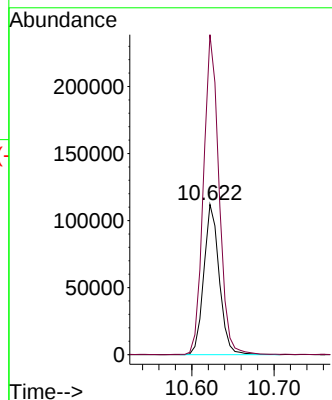
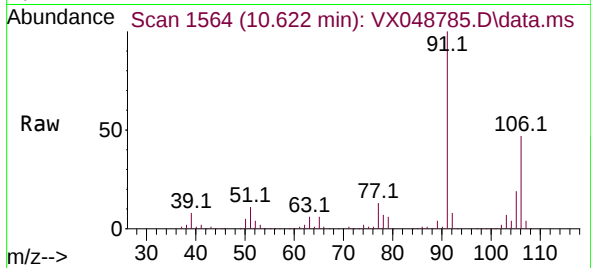
#69
o-Xylene
Concen: 34.585 ug/l
RT: 10.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :
CHASE-I

Tgt Ion:106 Resp: 145785
Ion Ratio Lower Upper
106 100
91 214.8 108.1 324.3

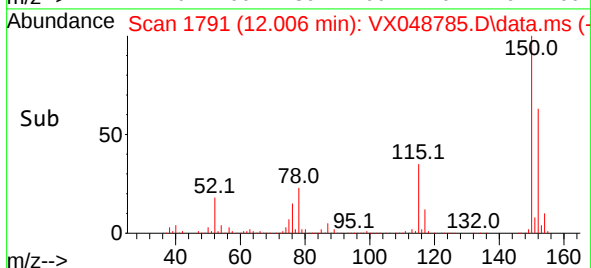
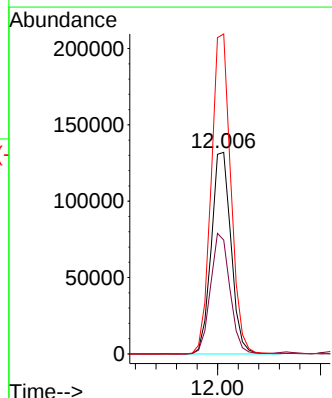
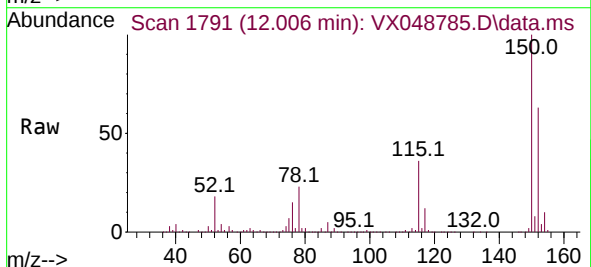
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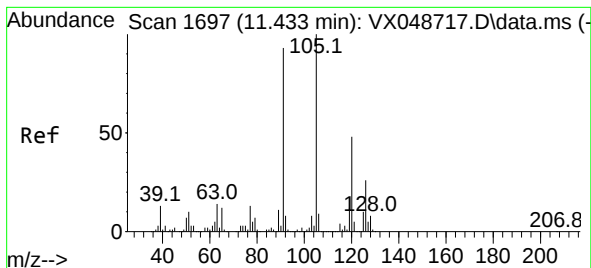
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

Tgt Ion:152 Resp: 175708
Ion Ratio Lower Upper
152 100
115 58.9 42.1 126.4
150 157.9 0.0 347.8





#80

1,3,5-Trimethylbenzene

Concen: 2.379 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX048785.D

Acq: 09 Dec 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

CHASE-I

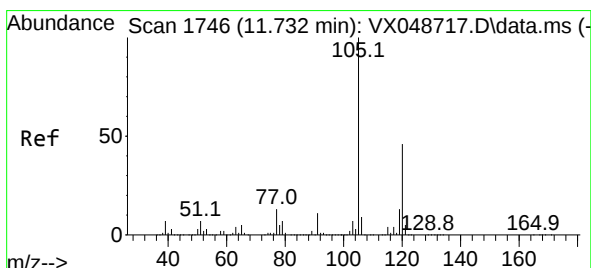
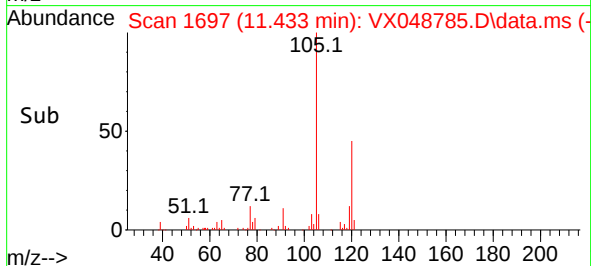
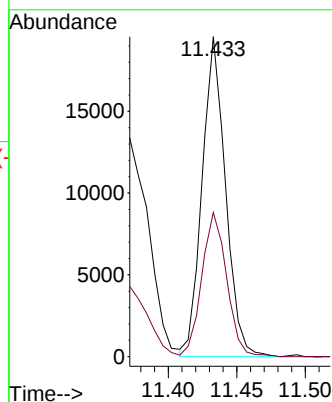
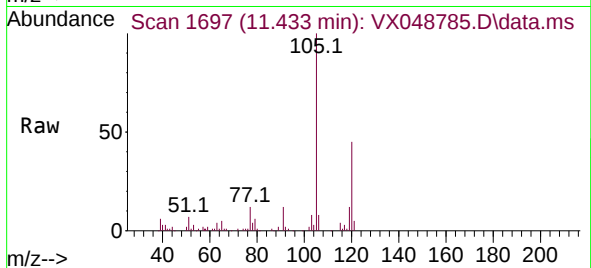
Tgt Ion:105 Resp: 2315
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.4 73.2

Manual Integrations

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Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#84

1,2,4-Trimethylbenzene

Concen: 10.965 ug/l

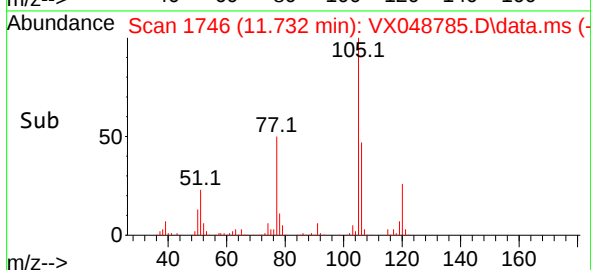
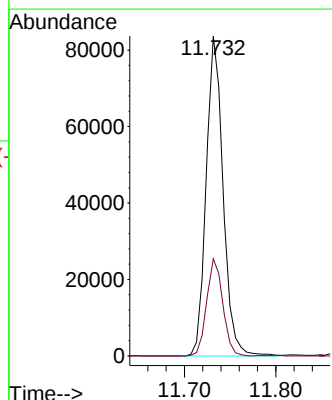
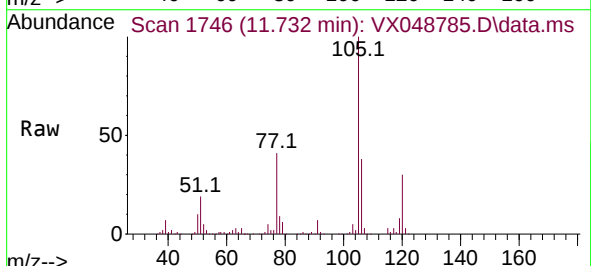
RT: 11.732 min Scan# 1746

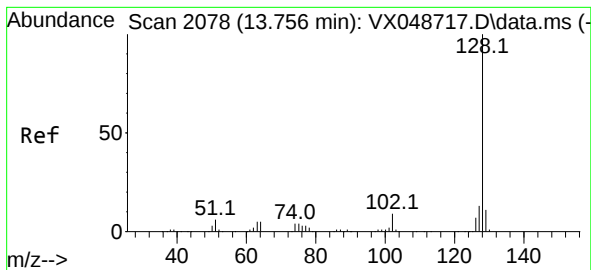
Delta R.T. -0.000 min

Lab File: VX048785.D

Acq: 09 Dec 2025 15:29

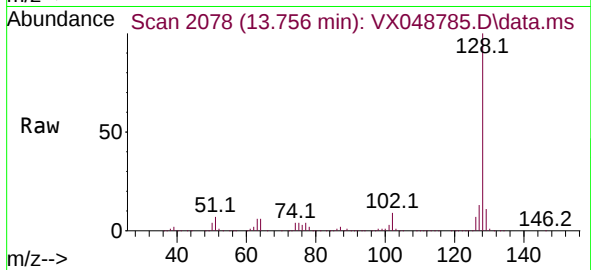
Tgt Ion:105 Resp: 107648
 Ion Ratio Lower Upper
 105 100
 120 28.9 22.3 66.8





#95
Naphthalene
Concen: 68.853 ug/l
RT: 13.756 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX048785.D
Acq: 09 Dec 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :
CHASE-I



Tgt Ion:128 Resp: 780154
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.0 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

