

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048804.D
 Acq On : 10 Dec 2025 12:48
 Operator : JC/MD
 Sample : Q3803-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-L

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 10 13:20:14 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	5.537	168	146377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	298390	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	319092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	177366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	107125	54.526	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.060%			
35) Dibromofluoromethane	5.373	113	94789	46.137	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.280%			
50) Toluene-d8	8.634	98	337346	46.842	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.680%			
62) 4-Bromofluorobenzene	11.061	95	148565	59.823	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.640%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	4320	13.620	ug/l	99
16) Acetone	2.373	43	95340	126.764	ug/l	96
18) Methyl Acetate	2.703	43	3470	1.640	ug/l	94
20) Methylene Chloride	2.788	84	129004	68.622	ug/l	99
25) 2-Butanone	4.550	43	12132	10.929	ug/l	91
40) Benzene	6.025	78	1292718	154.967	ug/l	98
43) Isopropyl Acetate	6.330	43	14913	2.929	ug/l	92
51) 4-Methyl-2-Pentanone	8.549	43	18543m	5.868	ug/l	
52) Toluene	8.702	92	588833	117.058	ug/l	100
67) Ethyl Benzene	10.177	91	69801	6.124	ug/l	99
68) m/p-Xylenes	10.281	106	136057	30.646	ug/l	99
69) o-Xylene	10.622	106	90158	21.672	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	19359	1.970	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	79108	7.982	ug/l	85
95) Naphthalene	13.756	128	701573	62.753	ug/l	99

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

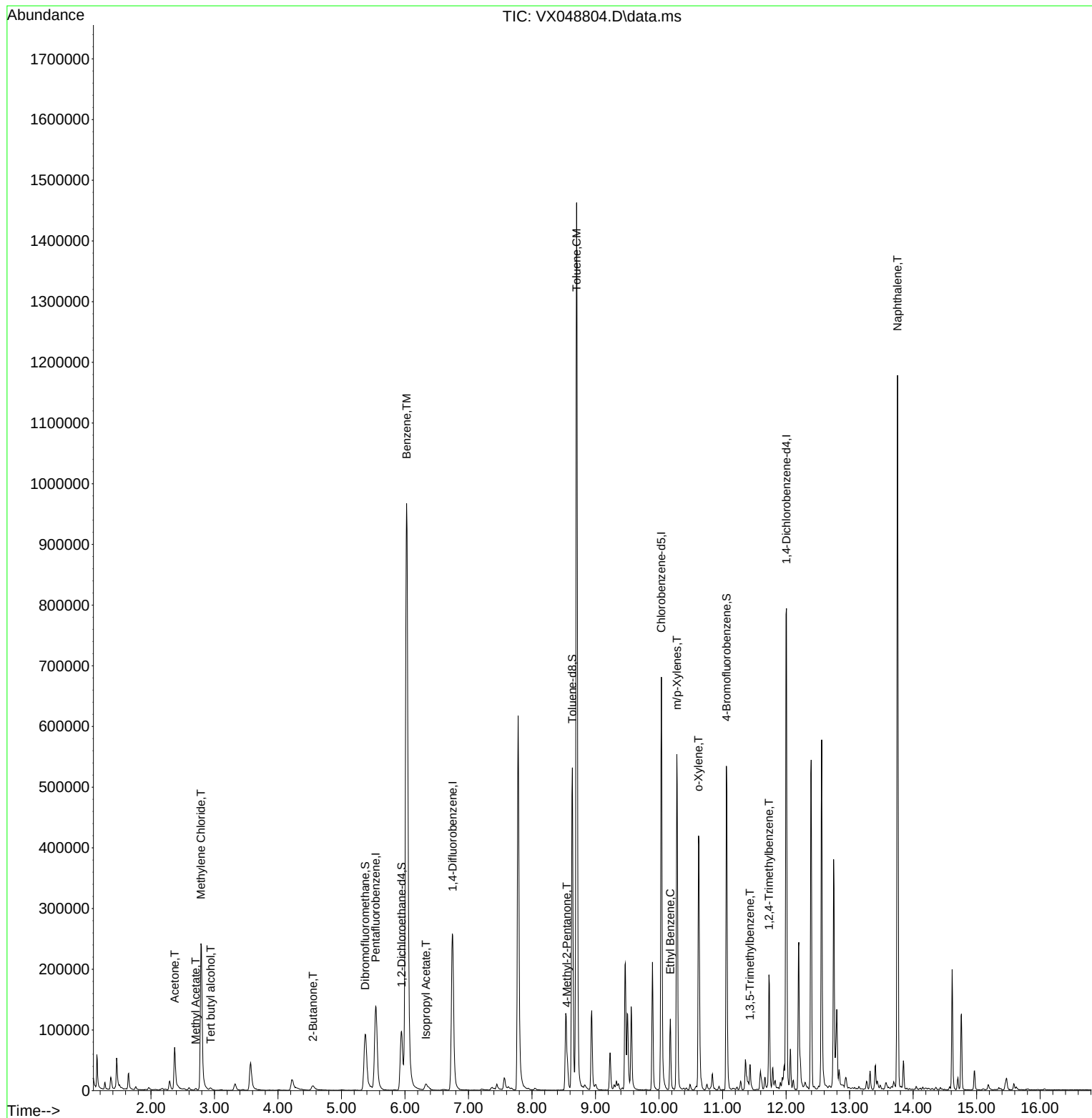
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048804.D
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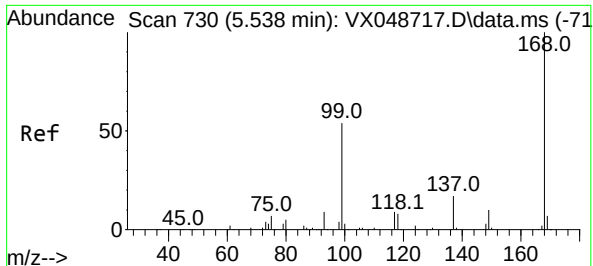
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L

Quant Time: Dec 10 13:20:14 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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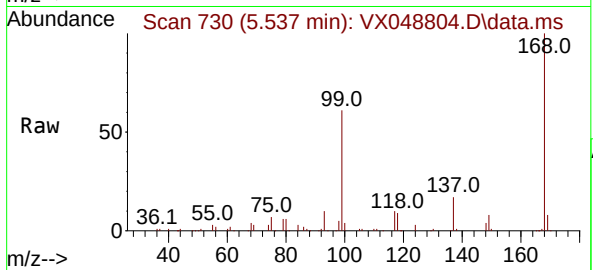
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

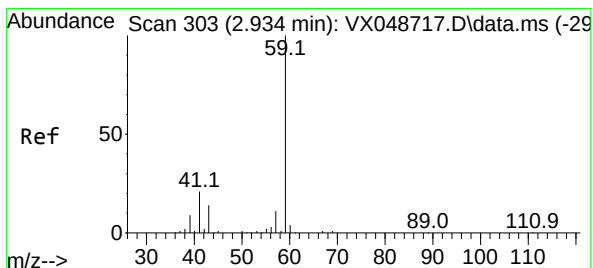
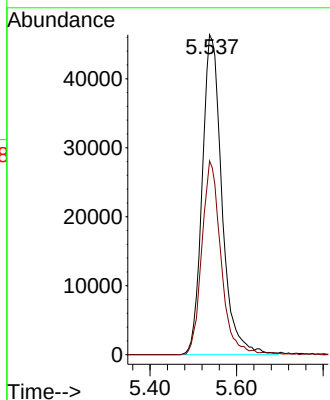
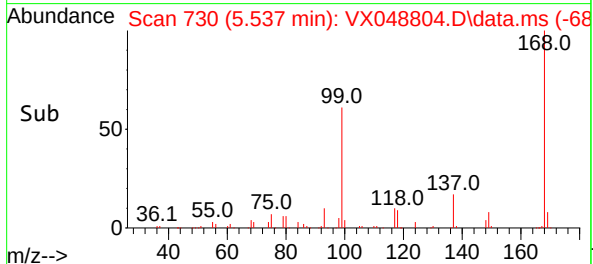
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



Tgt Ion:168 Resp: 14637
Ion Ratio Lower Upper
168 100
99 60.5 44.2 66.4

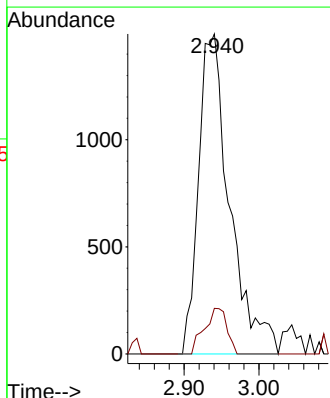
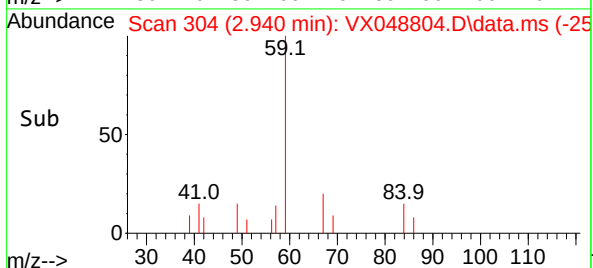
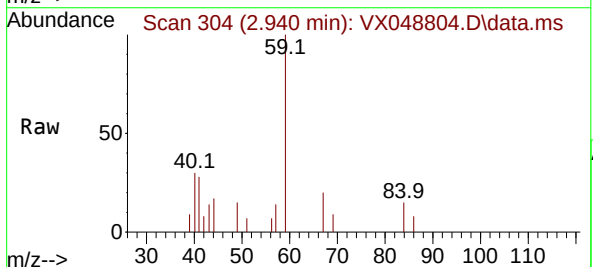
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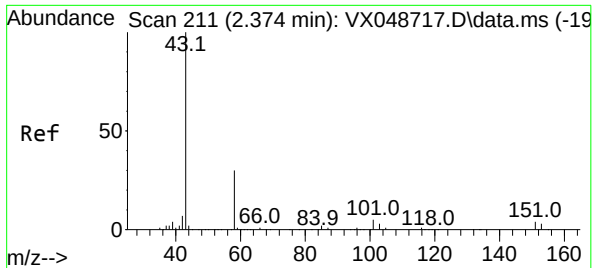
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



#11
Tert butyl alcohol
Concen: 13.620 ug/l
RT: 2.940 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

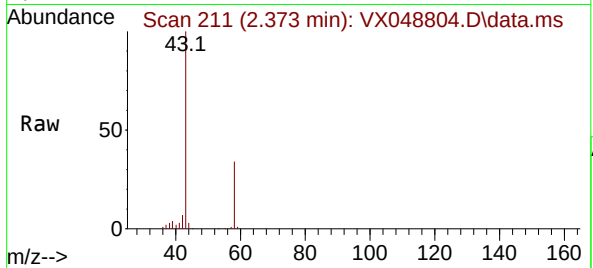
Tgt Ion: 59 Resp: 4320
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1





#16
Acetone
Concen: 126.764 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

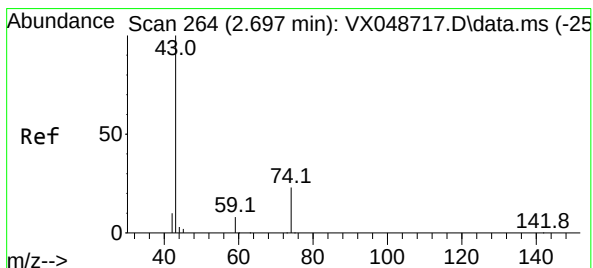
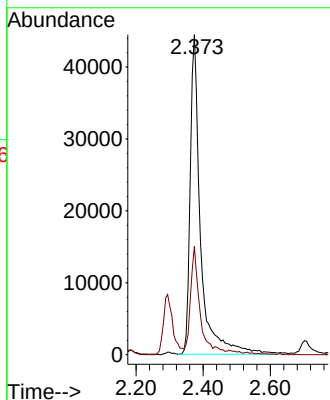
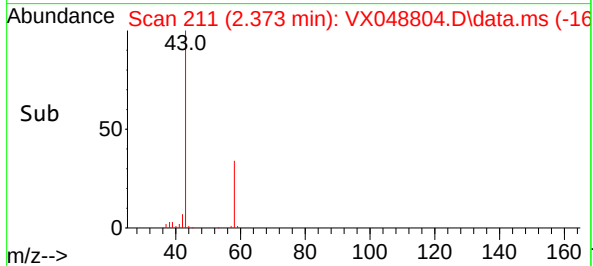
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



Tgt Ion: 43 Resp: 95340
Ion Ratio Lower Upper
43 100
58 33.6 25.0 37.4

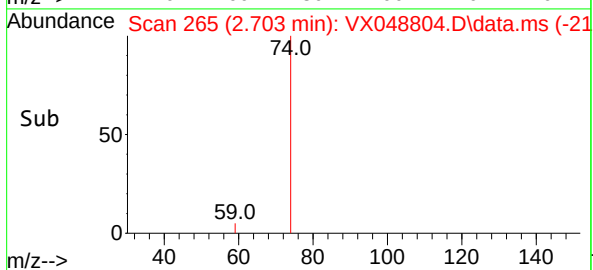
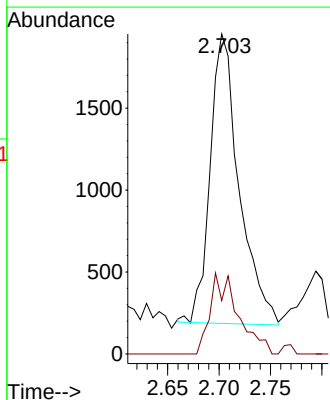
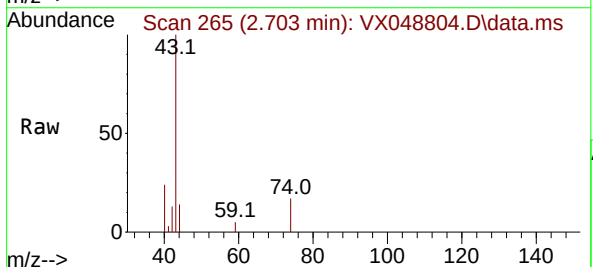
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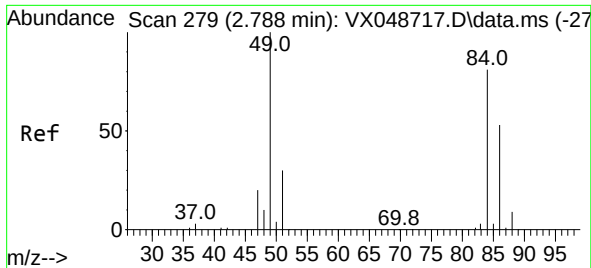
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



#18
Methyl Acetate
Concen: 1.640 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

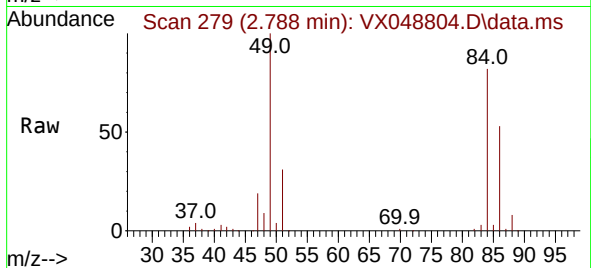
Tgt Ion: 43 Resp: 3470
Ion Ratio Lower Upper
43 100
74 26.7 19.2 28.8





#20
Methylene Chloride
Concen: 68.622 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

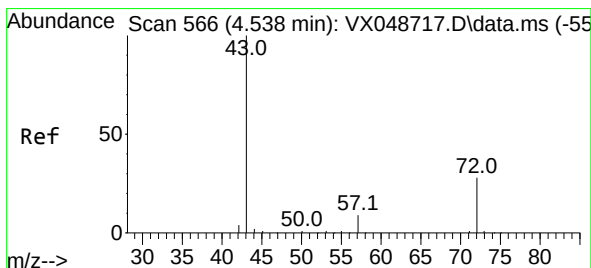
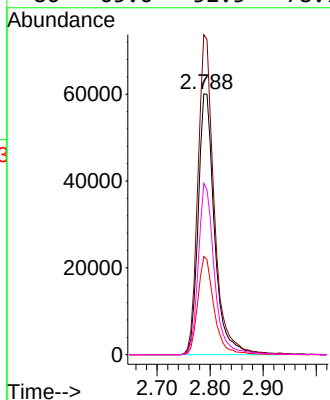
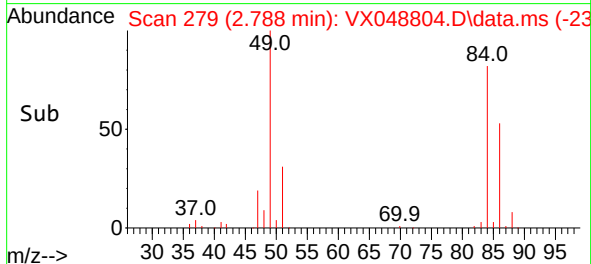
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



Tgt Ion: 84 Resp: 129004
Ion Ratio Lower Upper
84 100
49 122.7 98.7 148.1
51 37.7 29.4 44.2
86 65.6 52.5 78.7

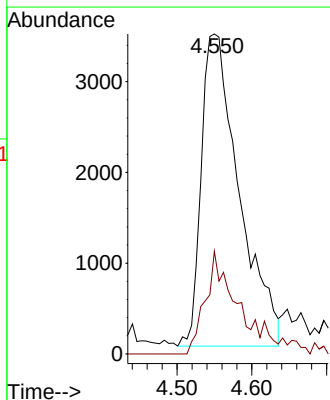
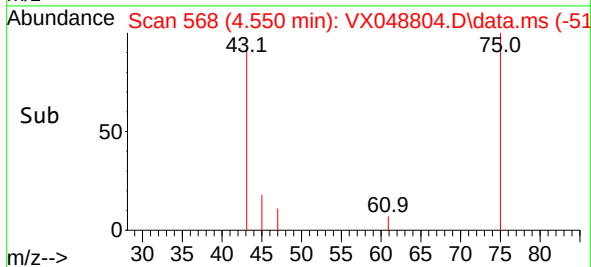
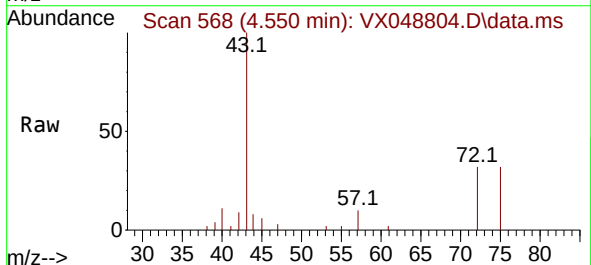
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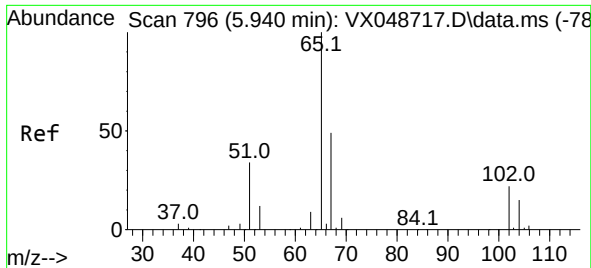
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



#25
2-Butanone
Concen: 10.929 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

Tgt Ion: 43 Resp: 12132
Ion Ratio Lower Upper
43 100
72 32.9 22.6 34.0





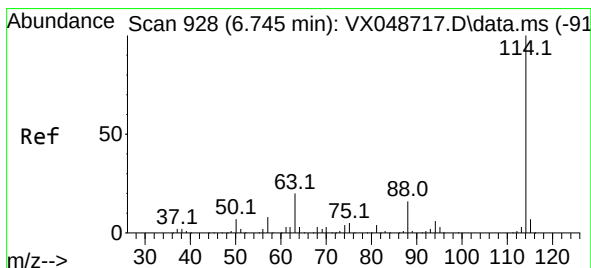
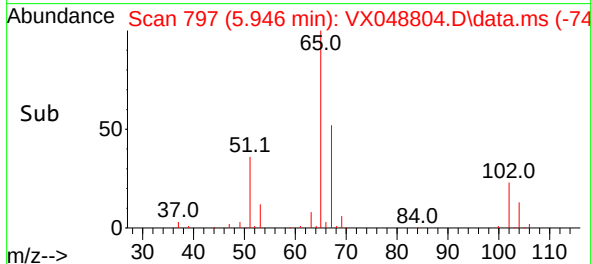
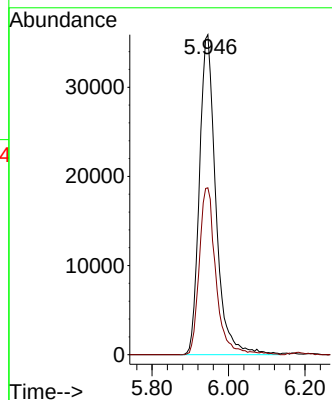
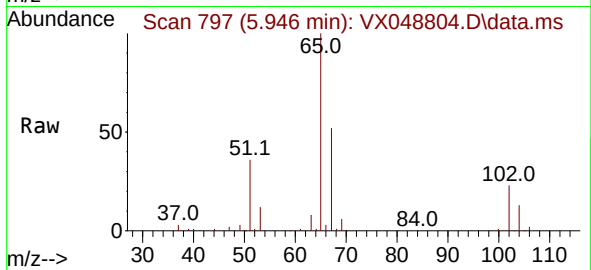
#33
 1,2-Dichloroethane-d4
 Concen: 54.526 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048804.D
 Acq: 10 Dec 2025 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-L

Tgt Ion: 65 Resp: 107125
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.4

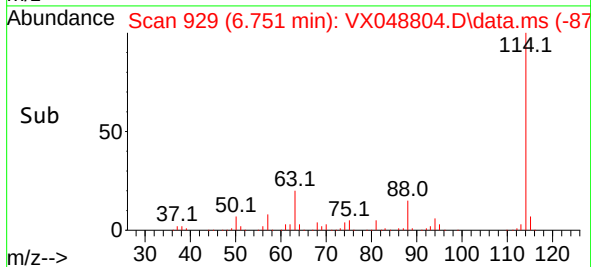
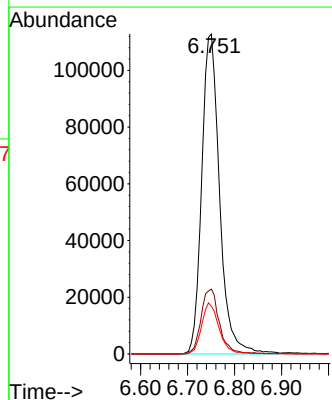
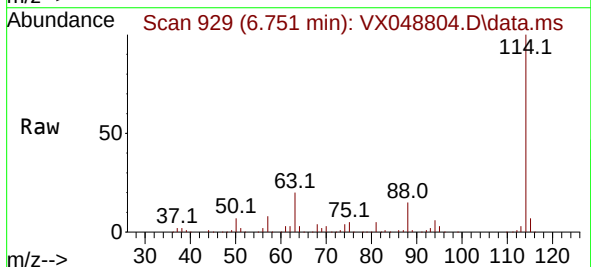
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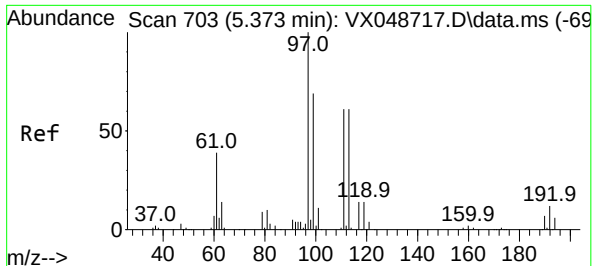
Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048804.D
 Acq: 10 Dec 2025 12:48

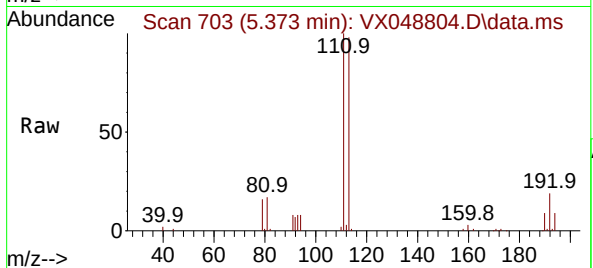
Tgt Ion:114 Resp: 298390
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 14.9 0.0 31.8





#35
Dibromofluoromethane
Concen: 46.137 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

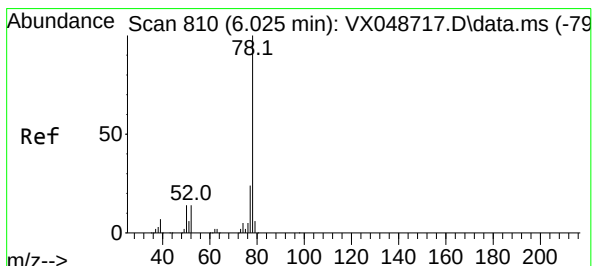
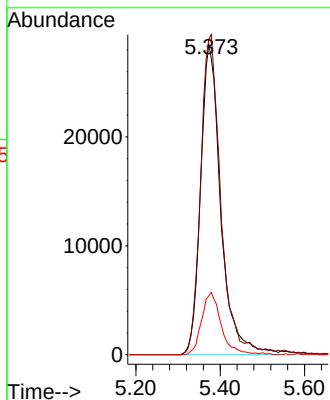
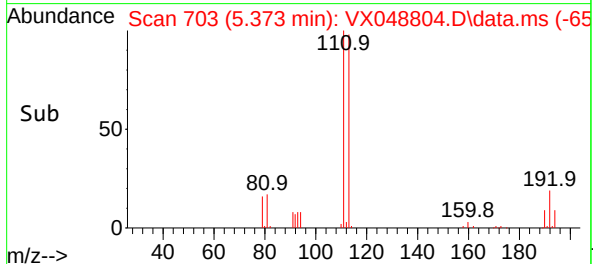
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



Tgt Ion:113 Resp: 94789
Ion Ratio Lower Upper
113 100
111 103.2 79.5 119.3
192 19.4 16.1 24.1

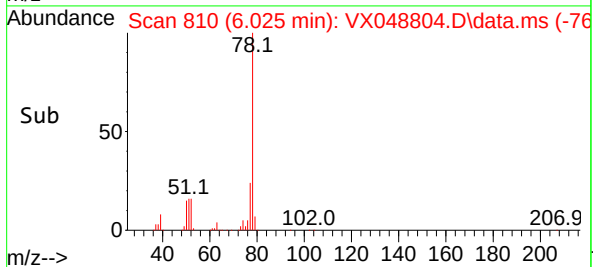
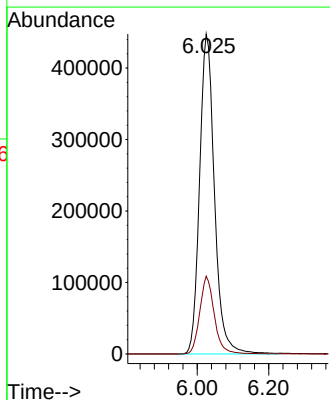
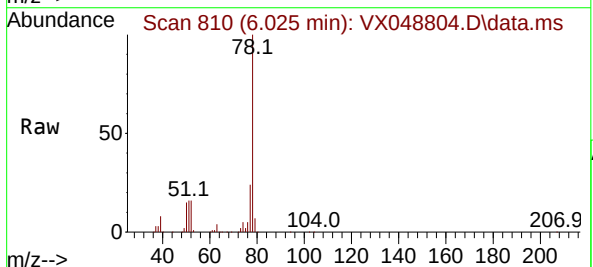
Manual Integrations
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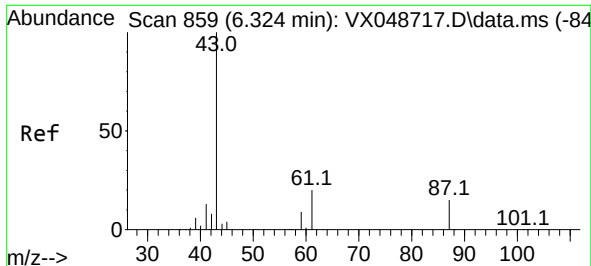
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



#40
Benzene
Concen: 154.967 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

Tgt Ion: 78 Resp: 1292718
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2





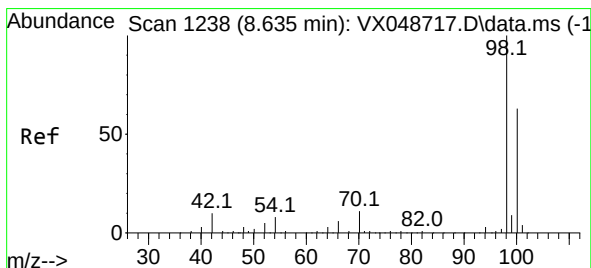
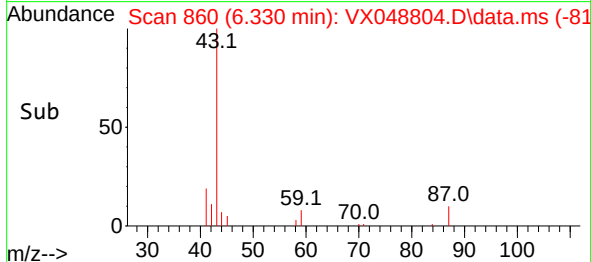
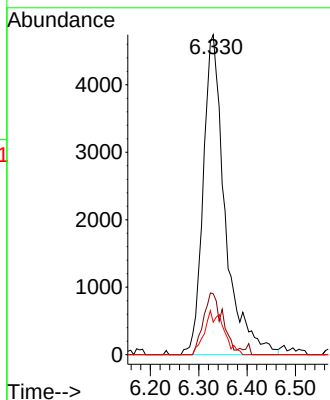
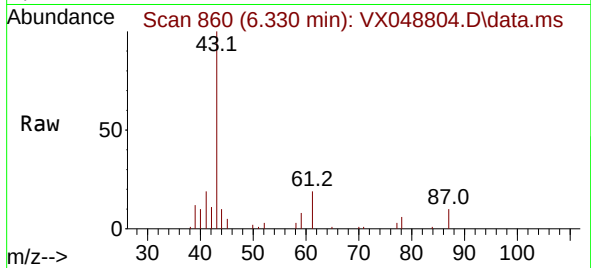
#43
Isopropyl Acetate
Concen: 2.929 ug/l
RT: 6.330 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

Instrument :
MSVOA_X
ClientSampleId :
CHASE-L

Tgt Ion:	43	Resp:	1491
Ion Ratio	Lower	Upper	
43	100		
61	17.0	16.8	25.2
87	12.1	11.8	17.6

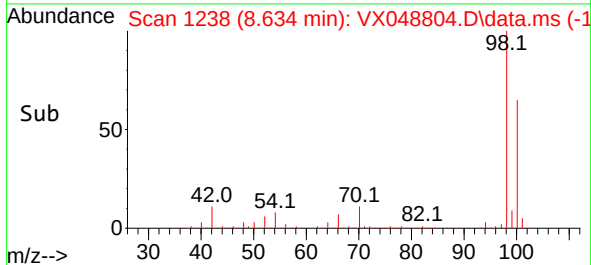
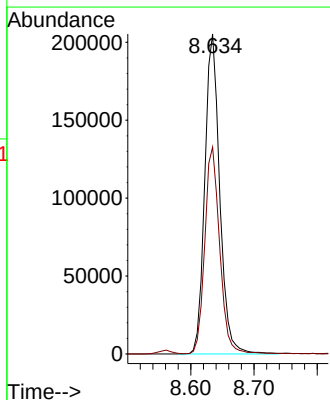
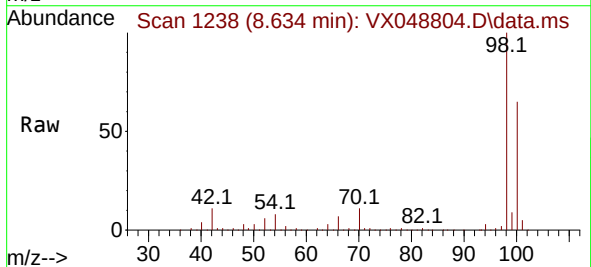
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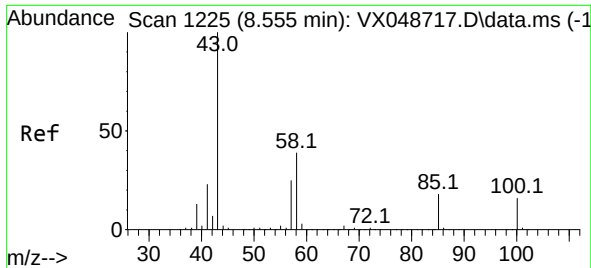
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



#50
Toluene-d8
Concen: 46.842 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

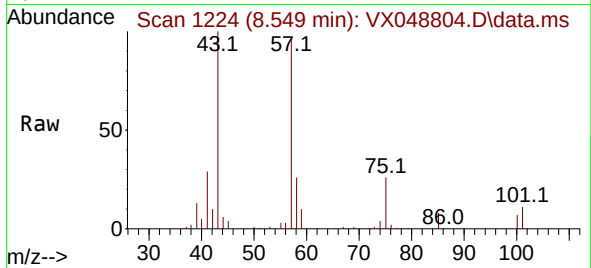
Tgt Ion:	98	Resp:	337346
Ion Ratio	Lower	Upper	
98	100		
100	64.4	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 5.868 ug/l m
RT: 8.549 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

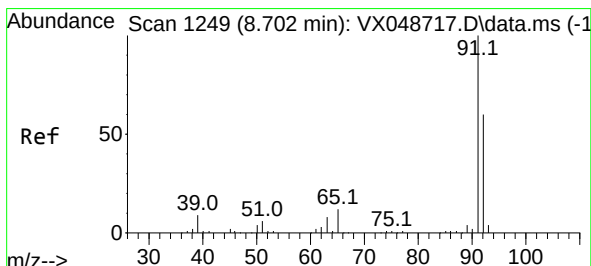
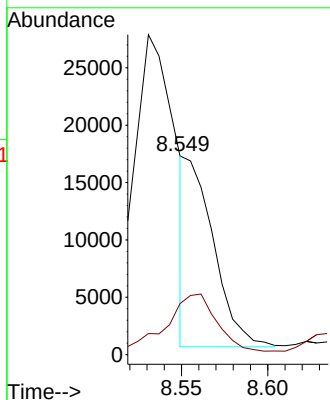
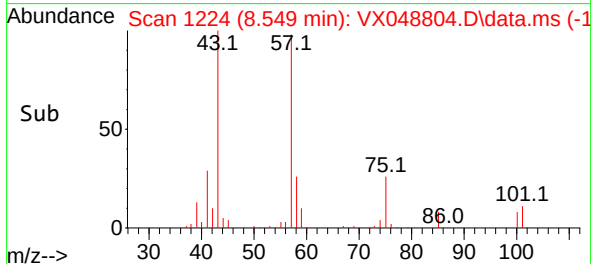
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



Tgt Ion: 43 Resp: 1854
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4

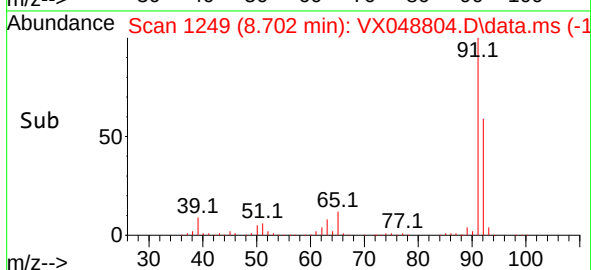
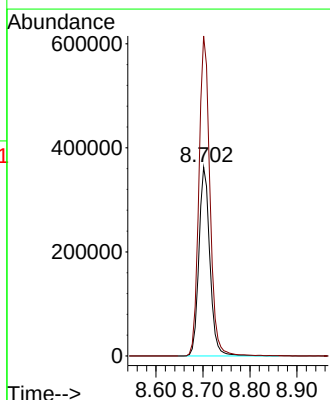
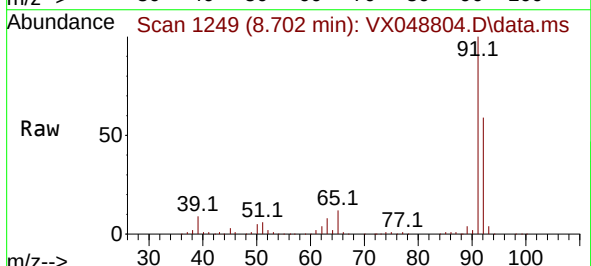
Manual Integrations
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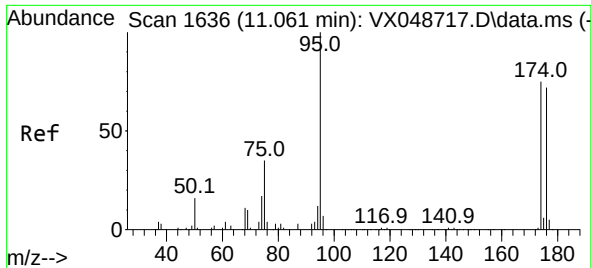
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



#52
Toluene
Concen: 117.058 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

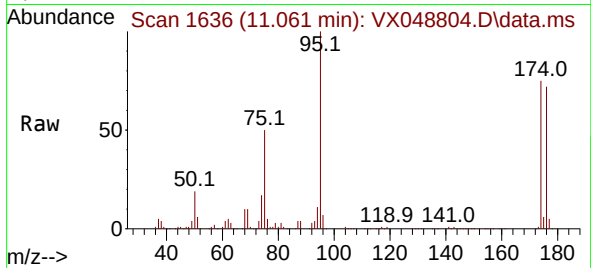
Tgt Ion: 92 Resp: 588833
Ion Ratio Lower Upper
92 100
91 170.4 136.3 204.5





#62
4-Bromofluorobenzene
Concen: 59.823 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

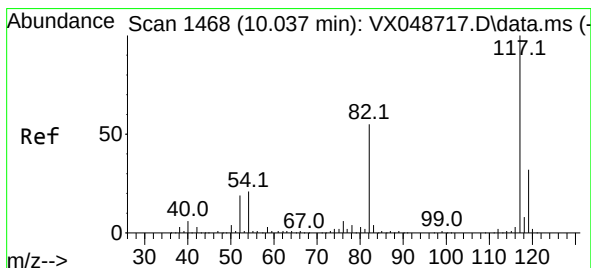
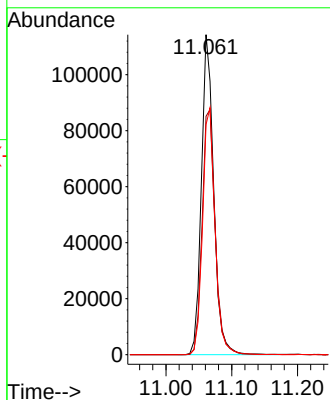
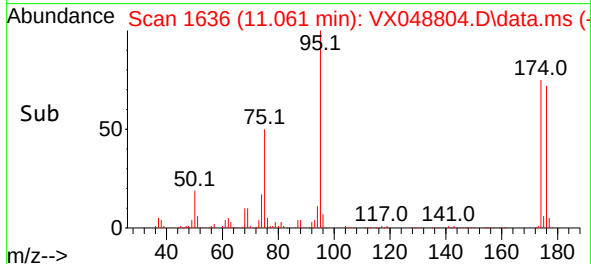
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



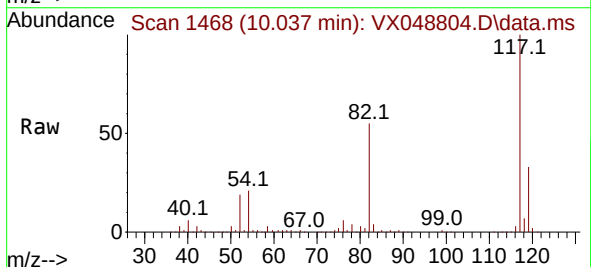
Tgt Ion: 95 Resp: 14856
Ion Ratio Lower Upper
95 100
174 81.2 0.0 157.8
176 78.5 0.0 154.0

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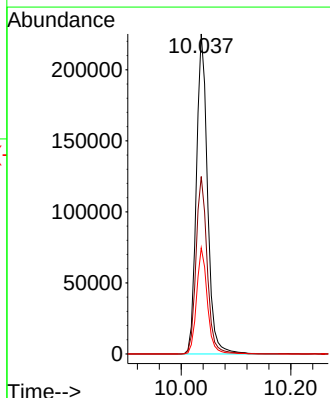
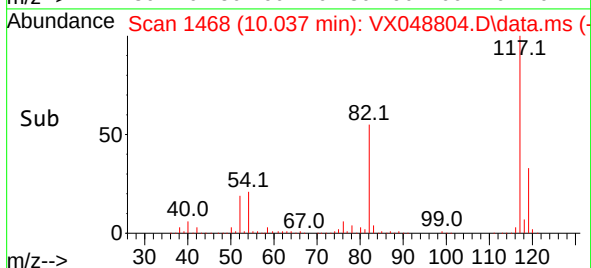
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025

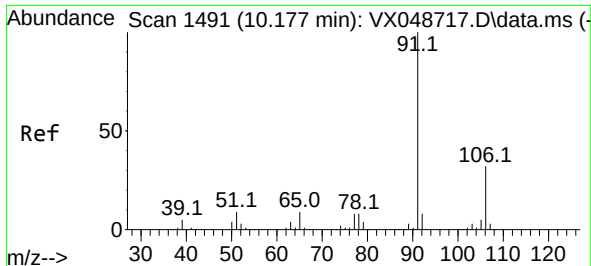


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48



Tgt Ion:117 Resp: 319092
Ion Ratio Lower Upper
117 100
82 55.4 44.1 66.1
119 33.2 25.2 37.8





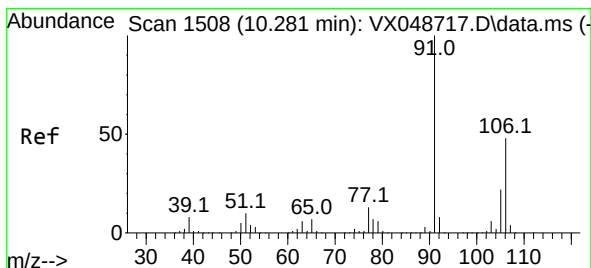
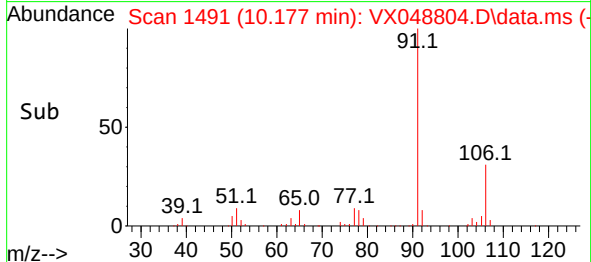
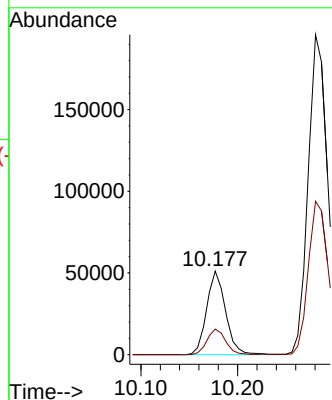
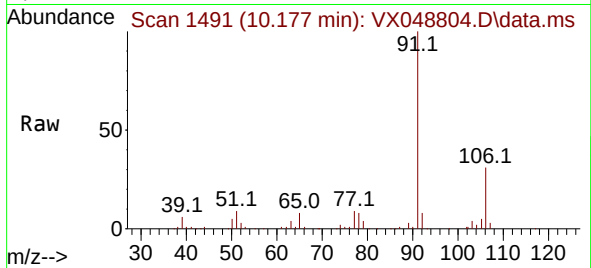
#67
Ethyl Benzene
Concen: 6.124 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

Instrument :
MSVOA_X
ClientSampleId :
CHASE-L

Tgt Ion: 91 Resp: 6980
Ion Ratio Lower Upper
91 100
106 30.8 25.3 37.9

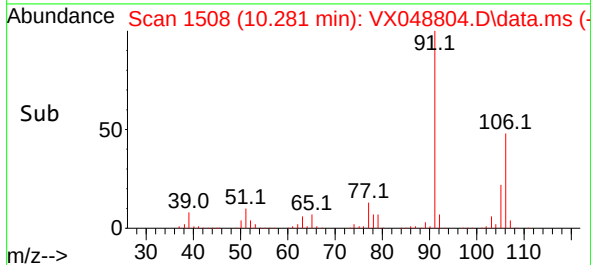
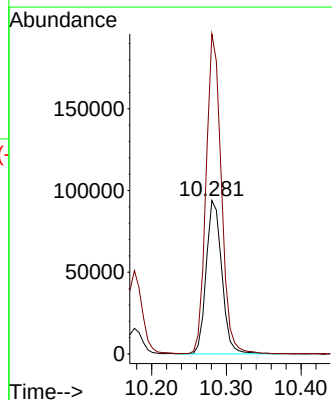
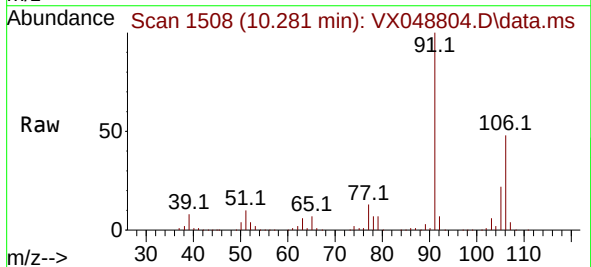
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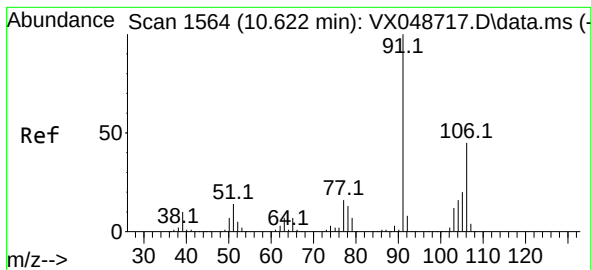
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



#68
m/p-Xylenes
Concen: 30.646 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

Tgt Ion:106 Resp: 136057
Ion Ratio Lower Upper
106 100
91 203.7 164.2 246.4





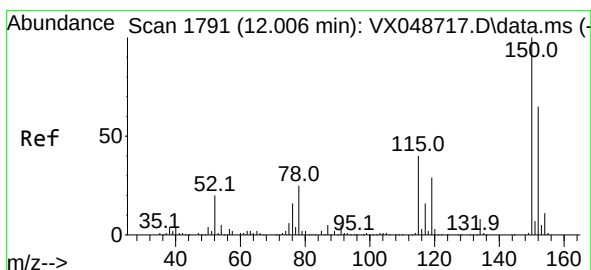
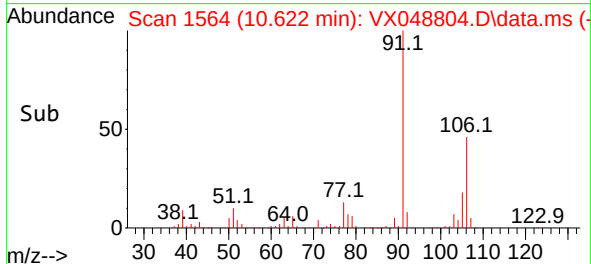
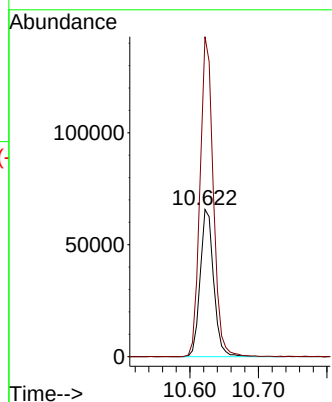
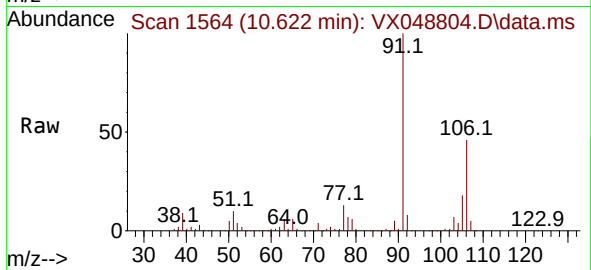
#69
o-Xylene
Concen: 21.672 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

Instrument :
MSVOA_X
ClientSampleId :
CHASE-L

Tgt Ion:106 Resp: 90158
Ion Ratio Lower Upper
106 100
91 214.1 108.1 324.3

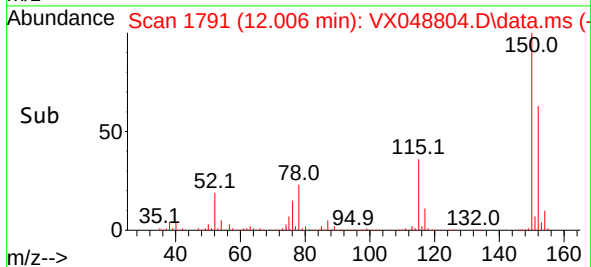
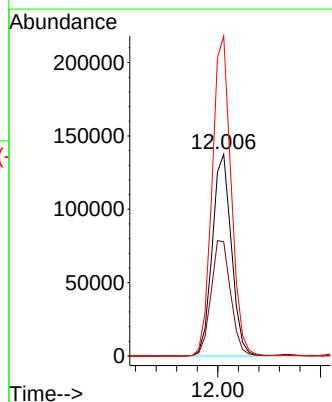
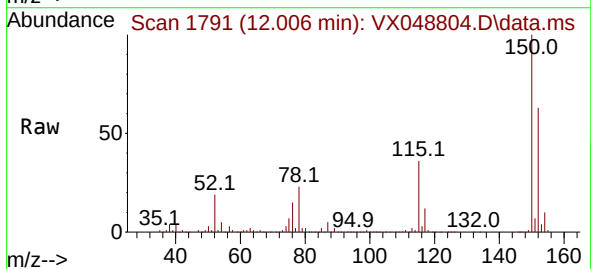
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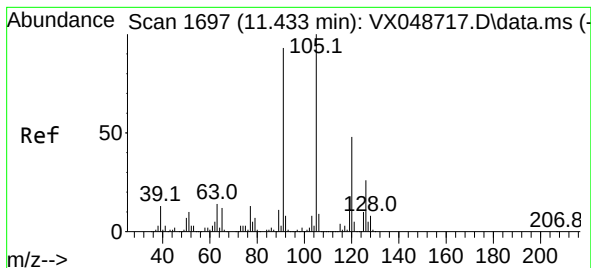
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

Tgt Ion:152 Resp: 177366
Ion Ratio Lower Upper
152 100
115 59.0 42.1 126.4
150 158.2 0.0 347.8





#80

1,3,5-Trimethylbenzene

Concen: 1.970 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX048804.D

Acq: 10 Dec 2025 12:48

Instrument :

MSVOA_X

ClientSampleId :

CHASE-L

Tgt Ion:105 Resp: 1935

Ion Ratio Lower Upper

105 100

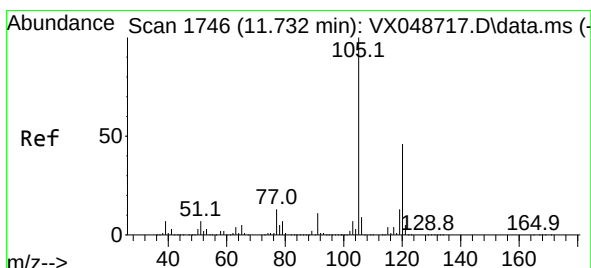
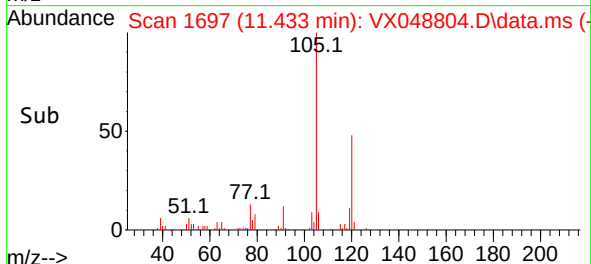
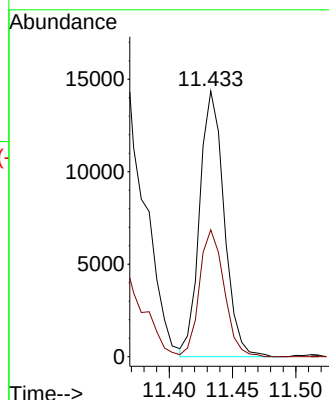
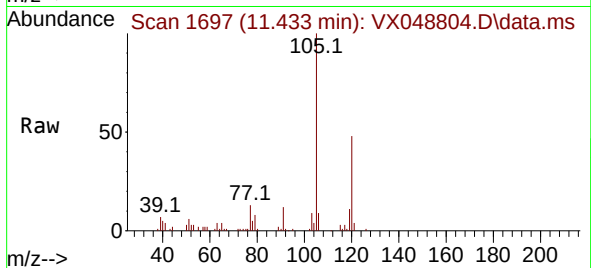
120 48.1 24.4 73.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/11/2025

Supervised By :Semsettin Yesilyurt 12/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 7.982 ug/l

RT: 11.731 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX048804.D

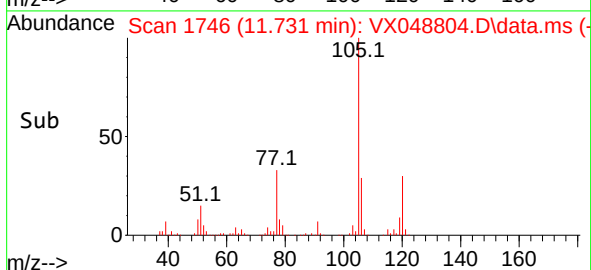
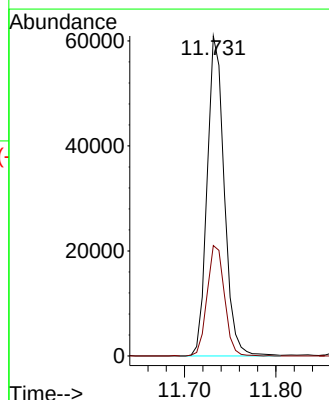
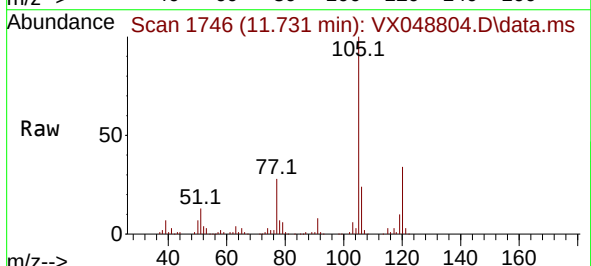
Acq: 10 Dec 2025 12:48

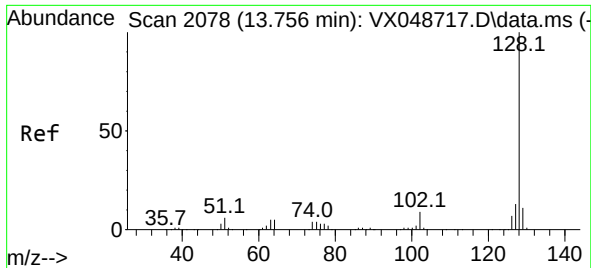
Tgt Ion:105 Resp: 79108

Ion Ratio Lower Upper

105 100

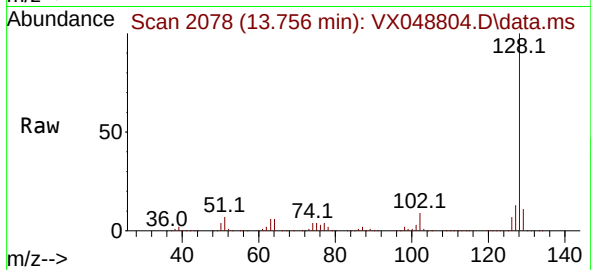
120 35.0 22.3 66.8





#95
Naphthalene
Concen: 62.753 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048804.D
Acq: 10 Dec 2025 12:48

Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



Tgt Ion:128 Resp: 701573
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.1 8.6 13.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025

