

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048788.D
 Acq On : 09 Dec 2025 16:30
 Operator : JC/MD
 Sample : Q3803-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-L

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 00:27:20 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	167127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	343593	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	370726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	202485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	123925	55.246	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.500%			
35) Dibromofluoromethane	5.373	113	109252	46.180	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.360%			
50) Toluene-d8	8.635	98	392671	47.351	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.700%			
62) 4-Bromofluorobenzene	11.061	95	174759	61.113	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.220%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.934	59	3931	10.854	ug/l	96
16) Acetone	2.374	43	86981	101.291	ug/l	97
18) Methyl Acetate	2.703	43	4169	1.726	ug/l	95
20) Methylene Chloride	2.788	84	131114	61.085	ug/l	99
25) 2-Butanone	4.550	43	13544	10.686	ug/l #	84
40) Benzene	6.025	78	1360451	141.631	ug/l	100
43) Isopropyl Acetate	6.324	43	15224	2.597	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	22498m	6.182	ug/l	
52) Toluene	8.702	92	630420	108.837	ug/l	100
67) Ethyl Benzene	10.177	91	78274	5.911	ug/l	99
68) m/p-Xylenes	10.281	106	148844	28.857	ug/l	99
69) o-Xylene	10.622	106	98521	20.384	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	20955	1.868	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	84206	7.443	ug/l	86
95) Naphthalene	13.756	128	747609	59.329	ug/l	100

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

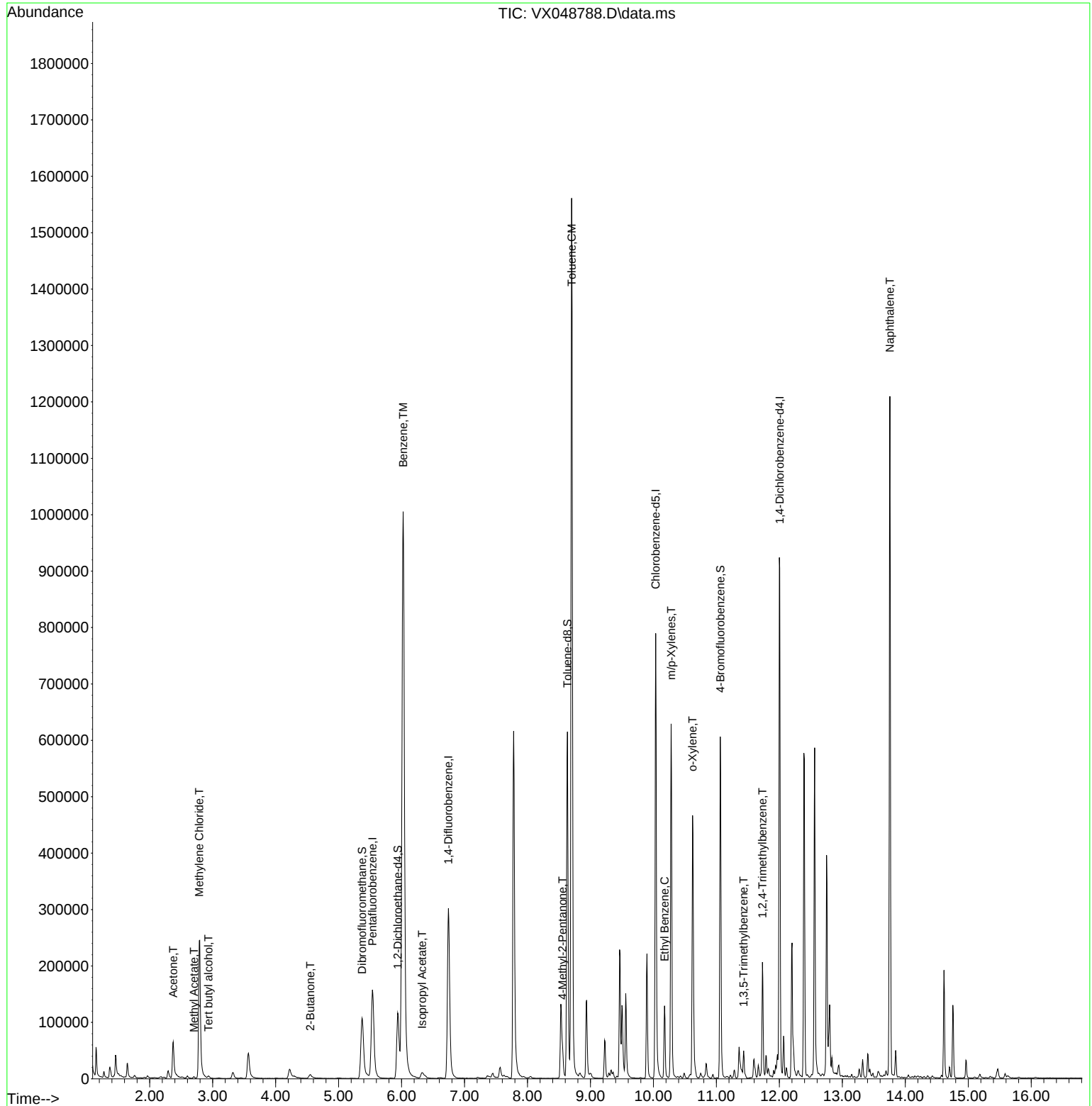
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048788.D
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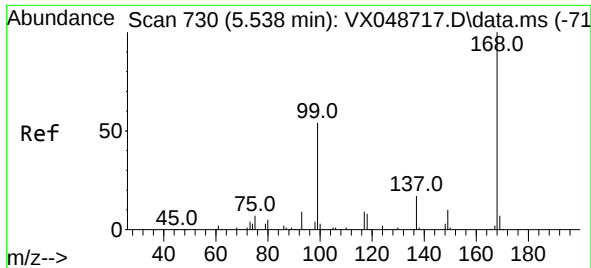
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L

Quant Time: Dec 10 00:27:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
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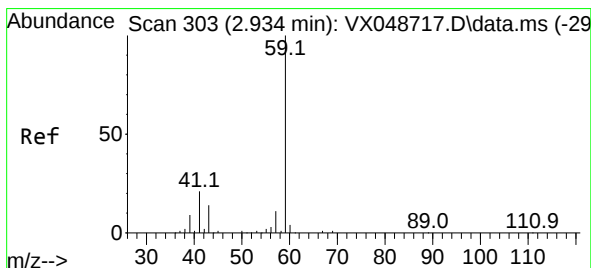
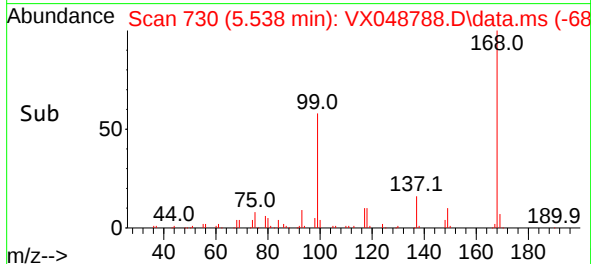
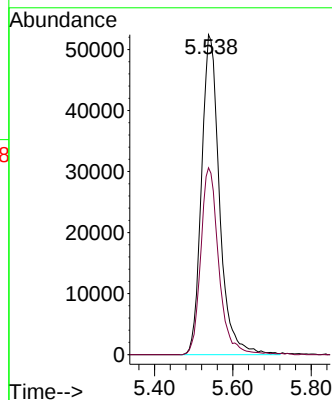
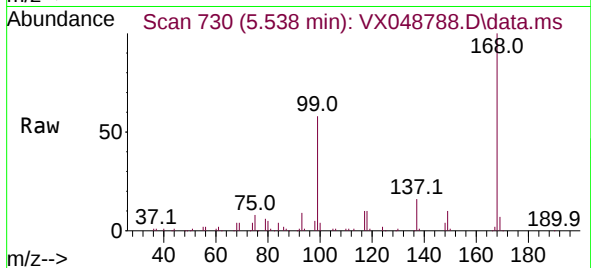
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

Instrument :
MSVOA_X
ClientSampleId :
CHASE-L

Tgt Ion:168 Resp: 16712
Ion Ratio Lower Upper
168 100
99 58.4 44.2 66.4

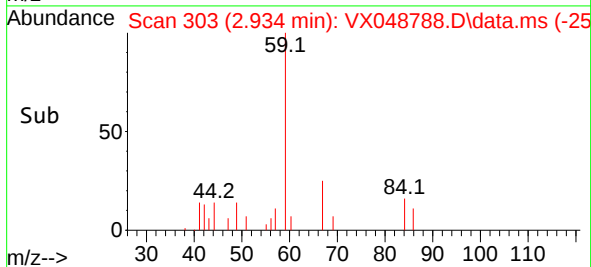
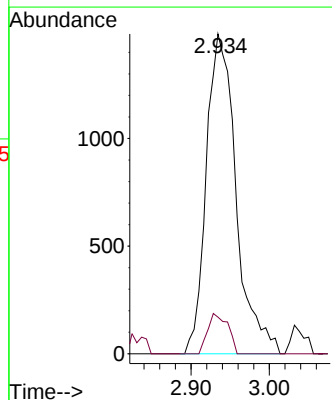
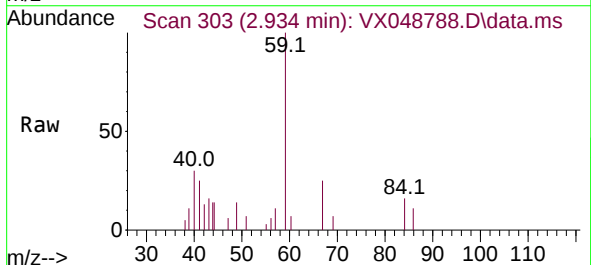
Manual Integrations
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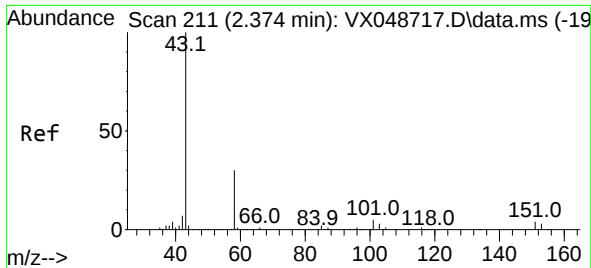
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#11
Tert butyl alcohol
Concen: 10.854 ug/l
RT: 2.934 min Scan# 303
Delta R.T. 0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

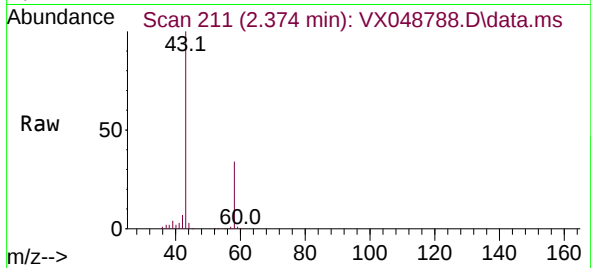
Tgt Ion: 59 Resp: 3931
Ion Ratio Lower Upper
59 100
57 8.5 8.1 12.1





#16
Acetone
Concen: 101.291 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

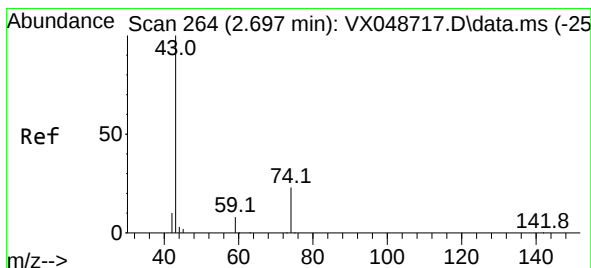
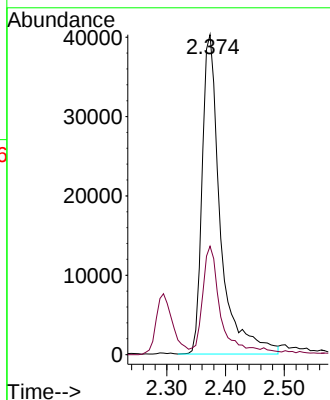
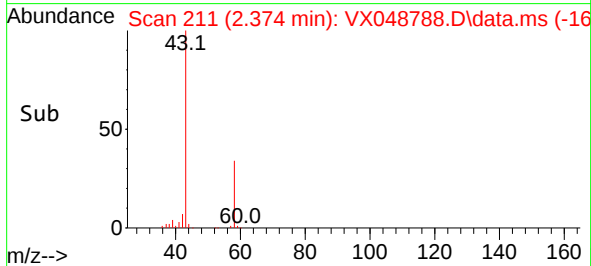
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



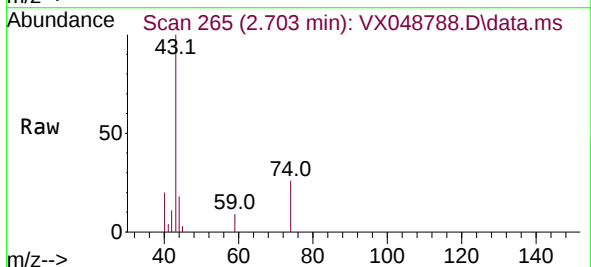
Tgt Ion: 43 Resp: 8698
Ion Ratio Lower Upper
43 100
58 32.9 25.0 37.4

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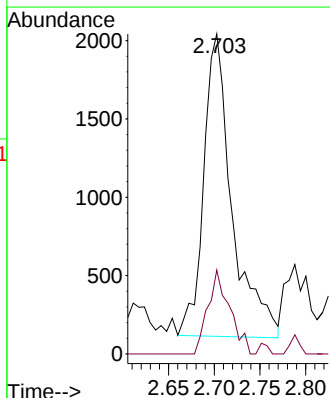
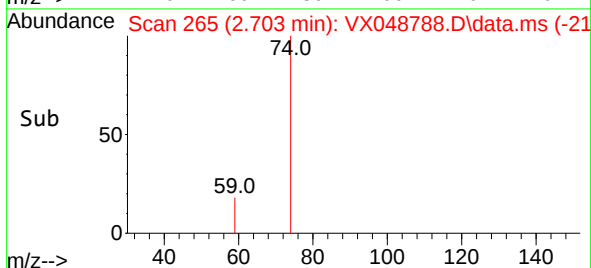
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

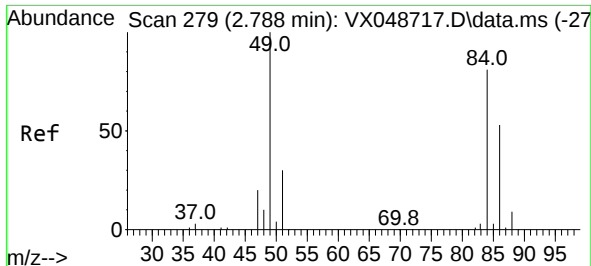


#18
Methyl Acetate
Concen: 1.726 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30



Tgt Ion: 43 Resp: 4169
Ion Ratio Lower Upper
43 100
74 21.3 19.2 28.8





#20

Methylene Chloride

Concen: 61.085 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX048788.D

Acq: 09 Dec 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

CHASE-L

Tgt Ion: 84 Resp: 131114

Ion Ratio Lower Upper

84 100

49 123.1 98.7 148.1

51 37.7 29.4 44.2

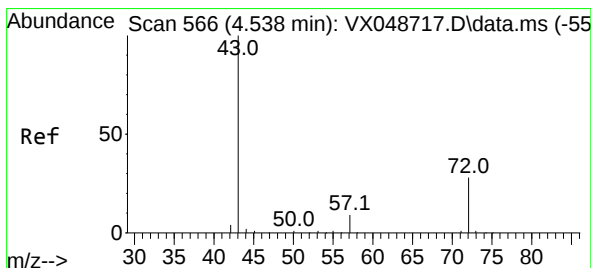
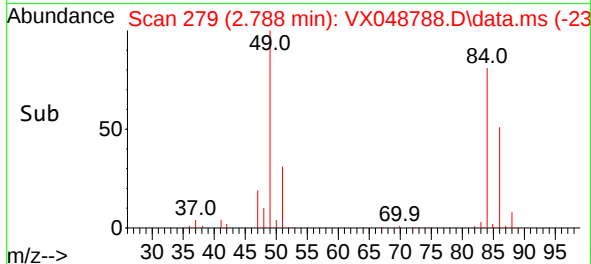
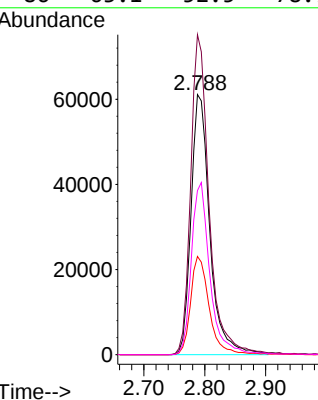
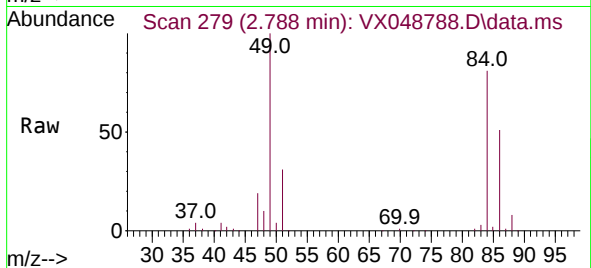
86 63.1 52.5 78.7

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#25

2-Butanone

Concen: 10.686 ug/l

RT: 4.550 min Scan# 568

Delta R.T. 0.012 min

Lab File: VX048788.D

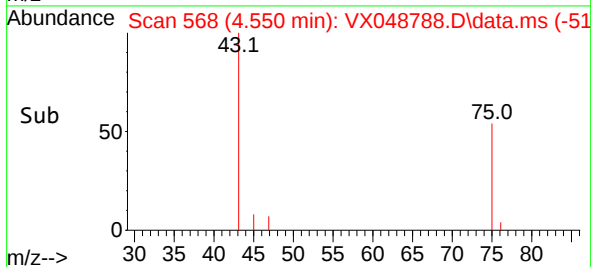
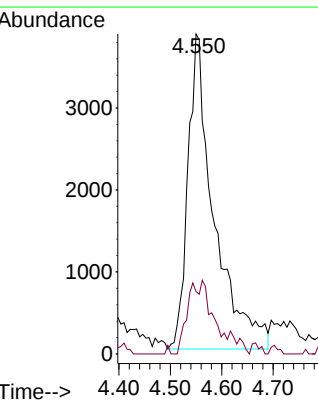
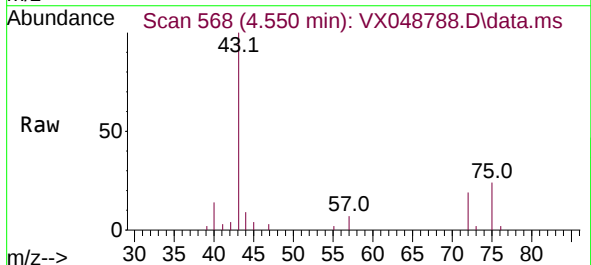
Acq: 09 Dec 2025 16:30

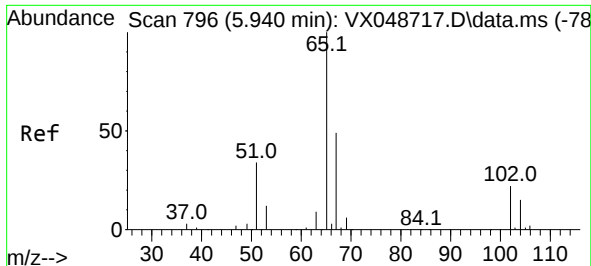
Tgt Ion: 43 Resp: 13544

Ion Ratio Lower Upper

43 100

72 19.8 22.6 34.0#





#33

1,2-Dichloroethane-d4

Concen: 55.246 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048788.D

Acq: 09 Dec 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

CHASE-L

Tgt Ion: 65 Resp: 123925

Ion Ratio Lower Upper

65 100

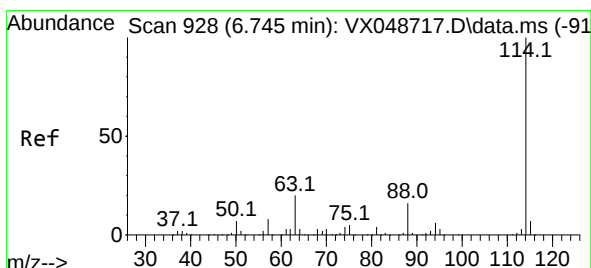
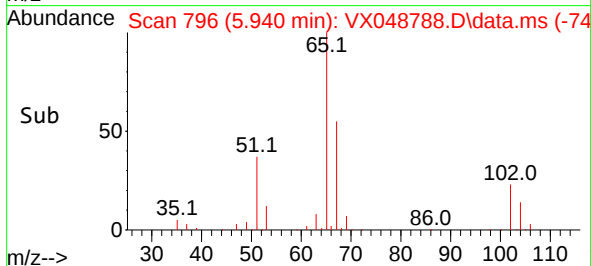
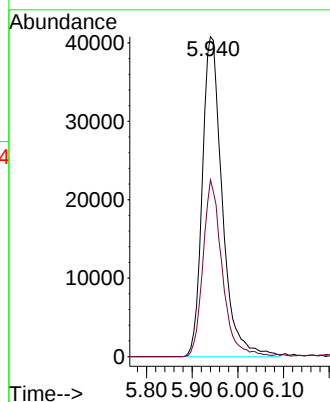
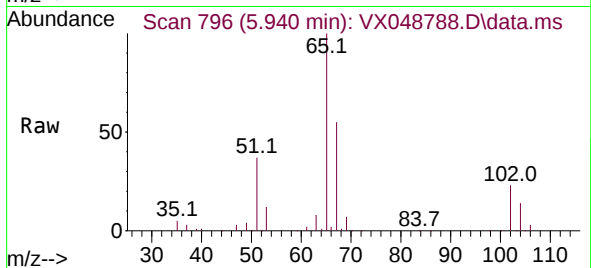
67 53.1 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048788.D

Acq: 09 Dec 2025 16:30

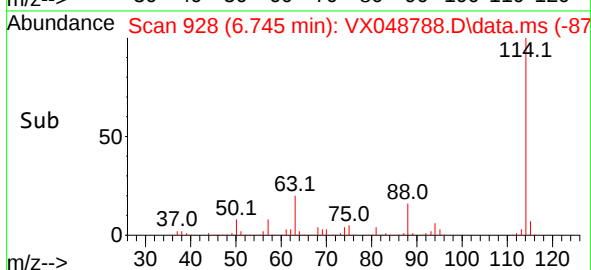
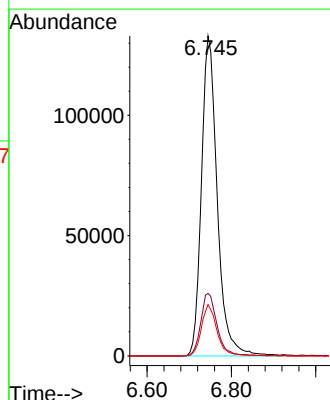
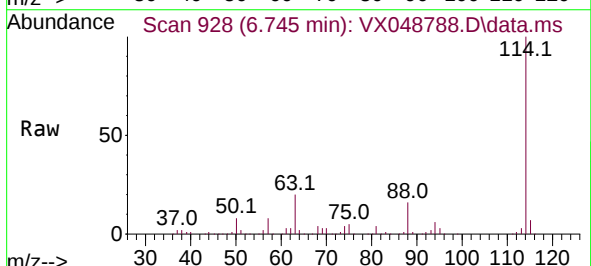
Tgt Ion:114 Resp: 343593

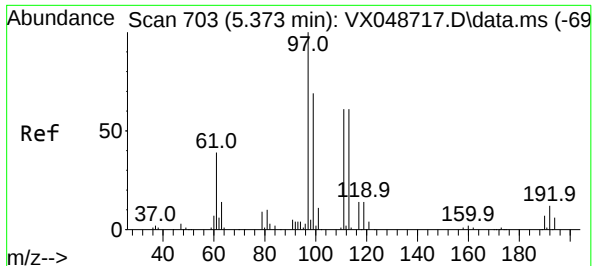
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.180 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048788.D

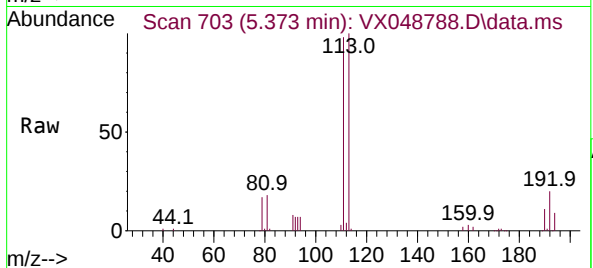
Acq: 09 Dec 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

CHASE-L



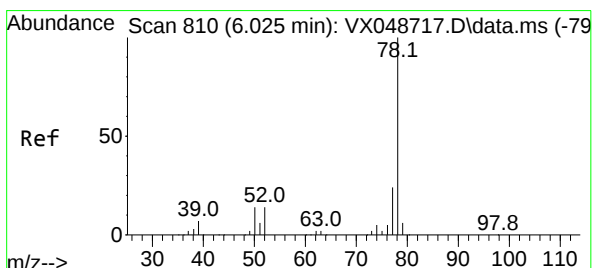
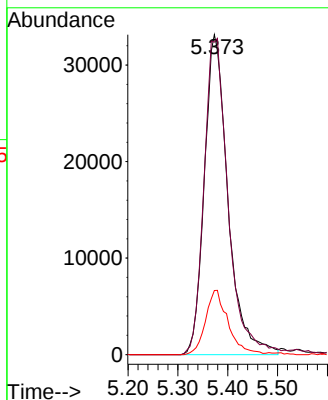
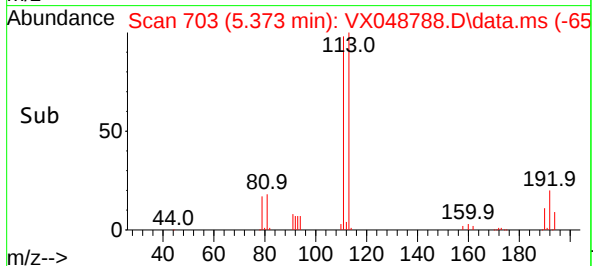
Tgt Ion:	113	Resp:	109252
Ion Ratio	Lower	Upper	
113	100		
111	101.1	79.5	119.3
192	19.2	16.1	24.1

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#40

Benzene

Concen: 141.631 ug/l

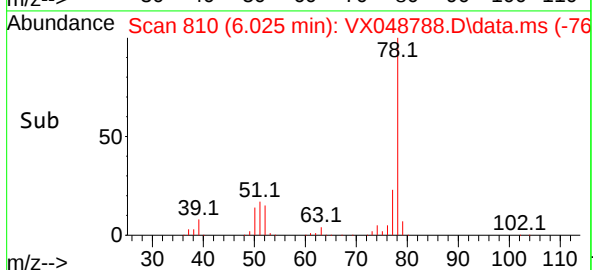
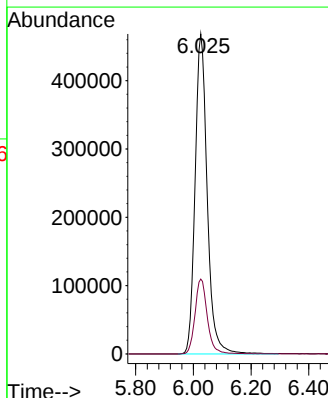
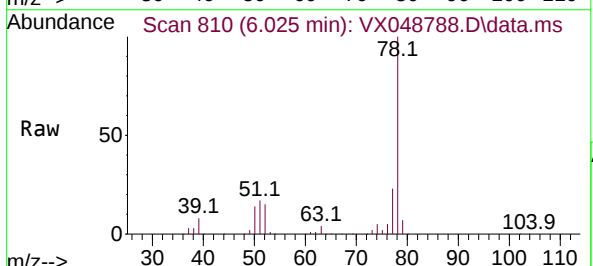
RT: 6.025 min Scan# 810

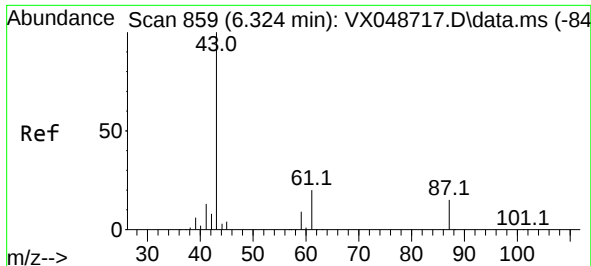
Delta R.T. -0.000 min

Lab File: VX048788.D

Acq: 09 Dec 2025 16:30

Tgt Ion:	78	Resp:	1360451
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.8	28.2





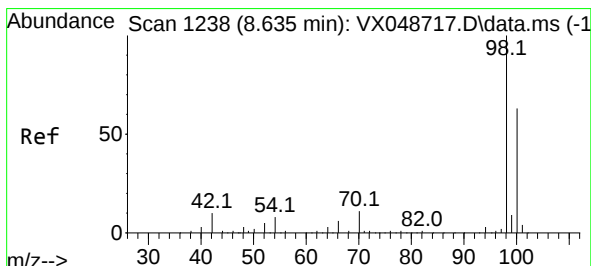
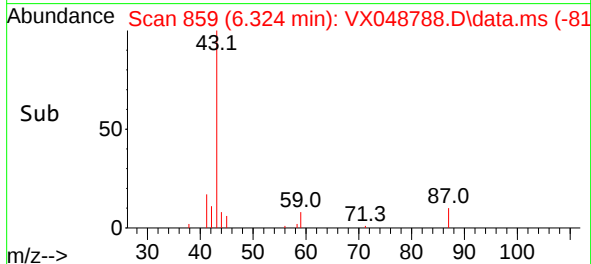
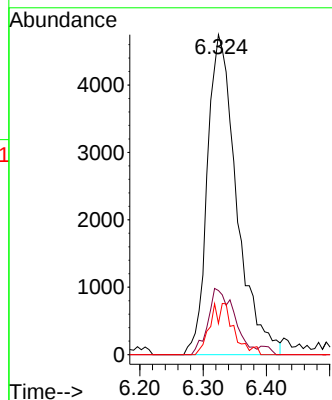
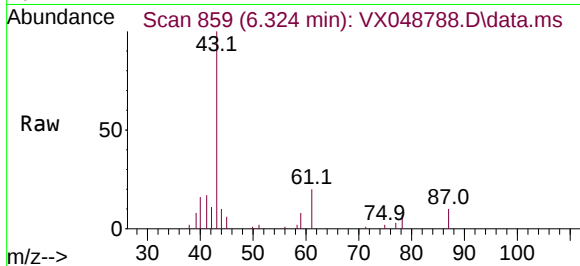
#43
Isopropyl Acetate
Concen: 2.597 ug/l
RT: 6.324 min Scan# 859
Delta R.T. 0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

Instrument :
MSVOA_X
ClientSampleId :
CHASE-L

Tgt Ion: 43 Resp: 15224
Ion Ratio Lower Upper
43 100
61 18.7 16.8 25.2
87 12.9 11.8 17.6

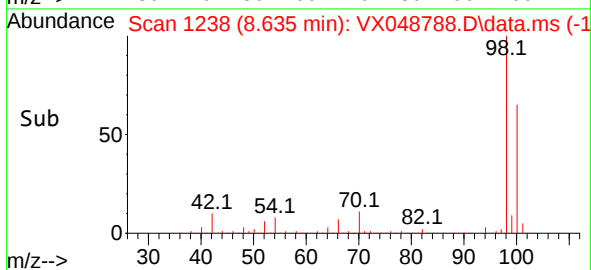
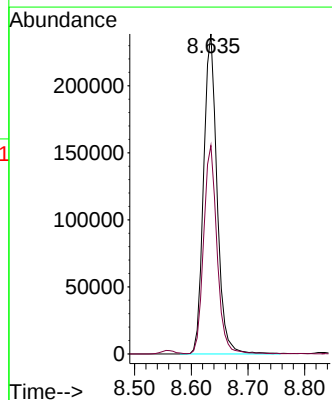
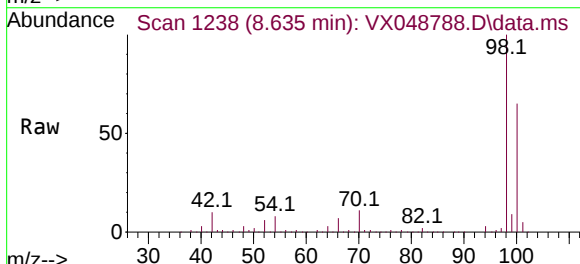
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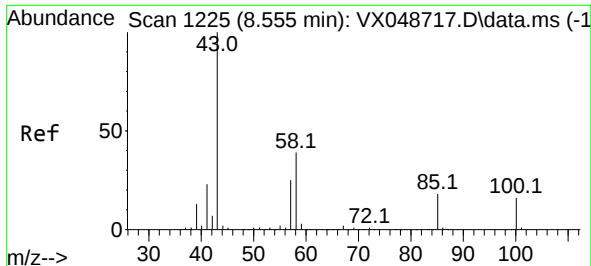
Reviewed By :John Carlone 12/10/2025
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#50
Toluene-d8
Concen: 47.351 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

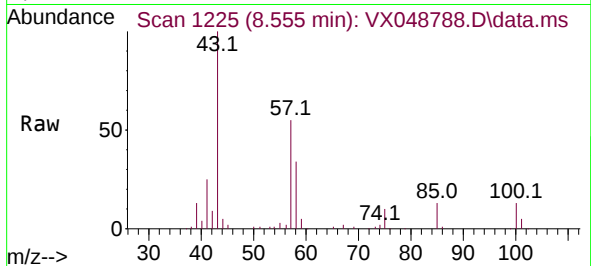
Tgt Ion: 98 Resp: 392671
Ion Ratio Lower Upper
98 100
100 64.6 53.4 80.0





#51
4-Methyl-2-Pentanone
Concen: 6.182 ug/l m
RT: 8.555 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

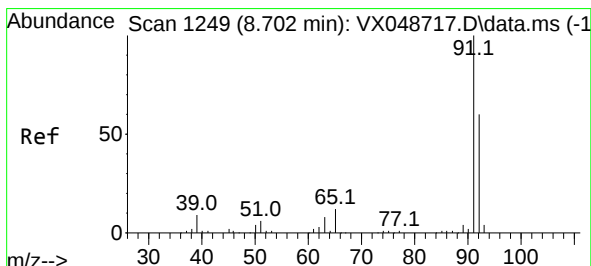
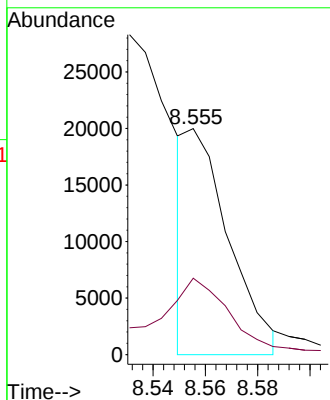
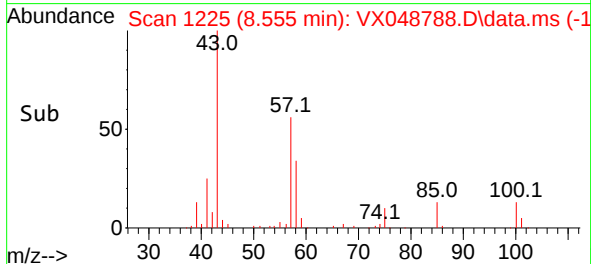
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



Tgt Ion: 43 Resp: 22498
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4

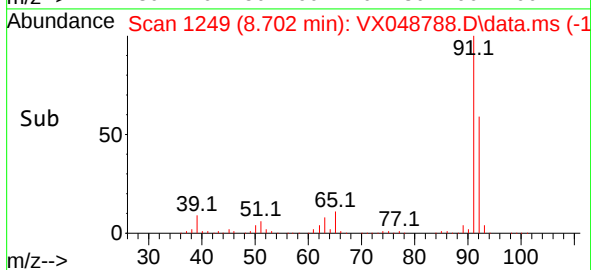
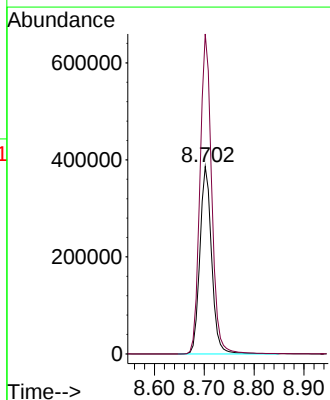
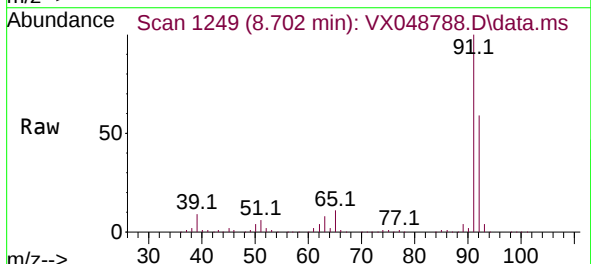
Manual Integrations
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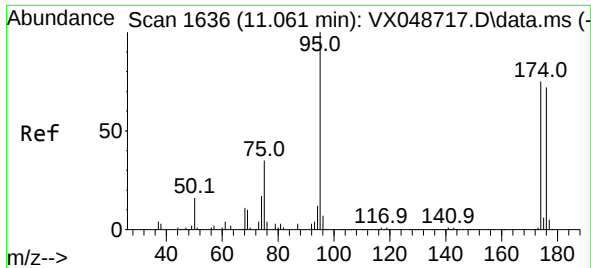
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#52
Toluene
Concen: 108.837 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

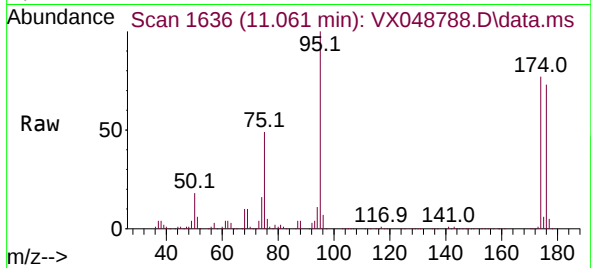
Tgt Ion: 92 Resp: 630420
Ion Ratio Lower Upper
92 100
91 170.9 136.3 204.5





#62
4-Bromofluorobenzene
Concen: 61.113 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

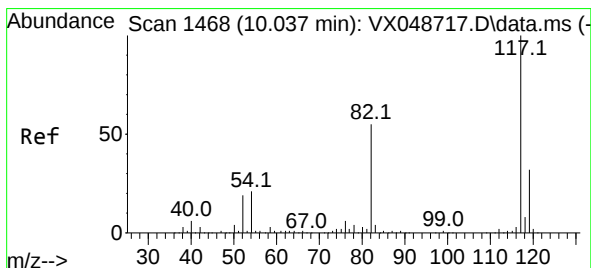
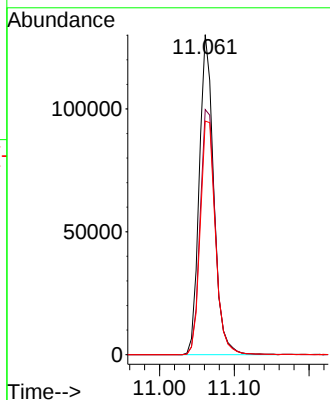
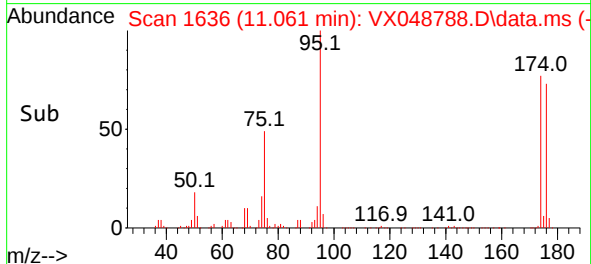
Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



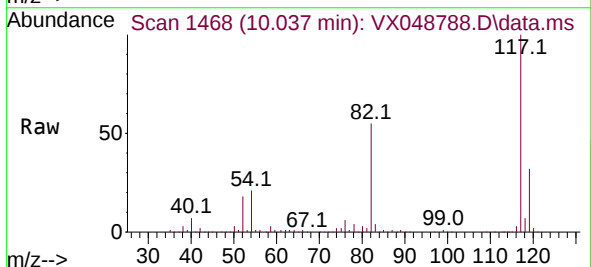
Tgt Ion: 95 Resp: 174759
Ion Ratio Lower Upper
95 100
174 80.7 0.0 157.8
176 76.7 0.0 154.0

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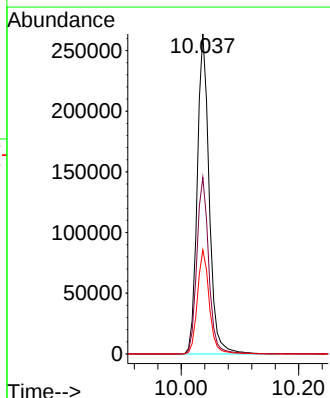
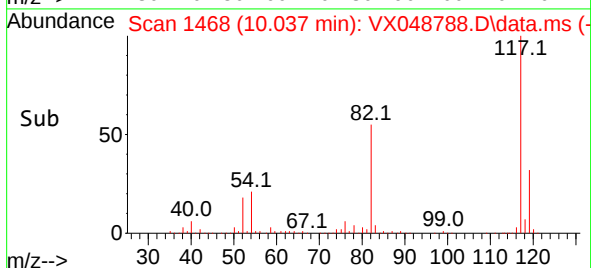
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

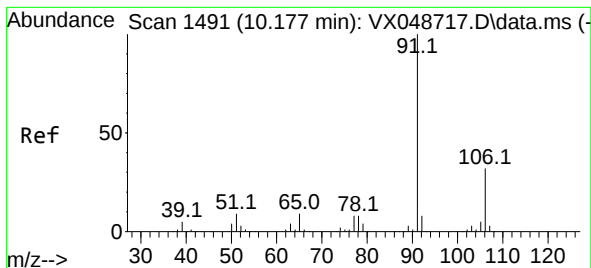


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30



Tgt Ion:117 Resp: 370726
Ion Ratio Lower Upper
117 100
82 55.1 44.1 66.1
119 32.5 25.2 37.8





#67

Ethyl Benzene

Concen: 5.911 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048788.D

Acq: 09 Dec 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

CHASE-L

Tgt Ion: 91 Resp: 78274

Ion Ratio Lower Upper

91 100

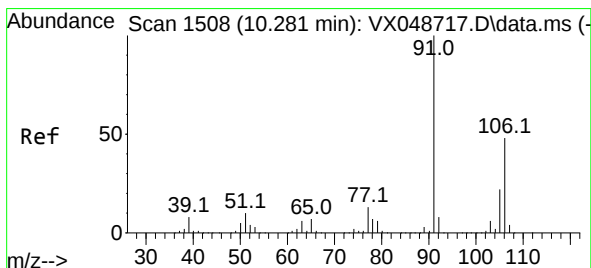
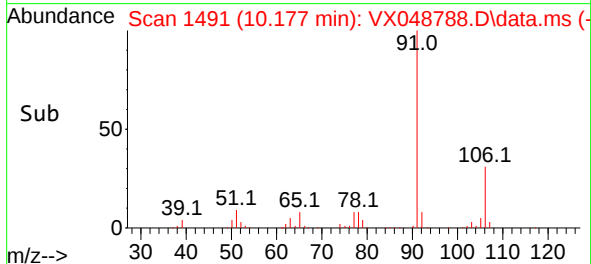
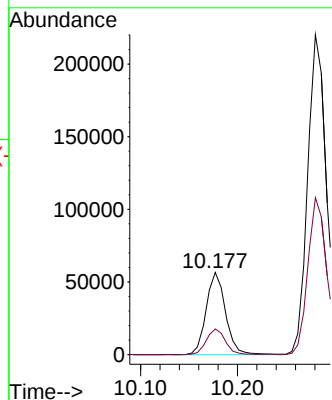
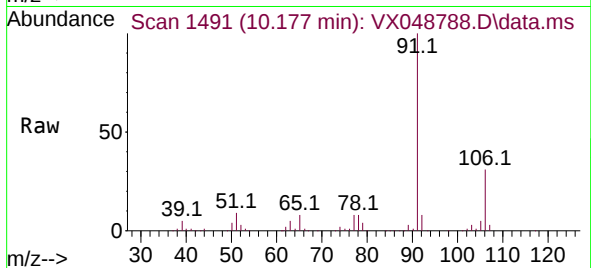
106 31.2 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#68

m/p-Xylenes

Concen: 28.857 ug/l

RT: 10.281 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VX048788.D

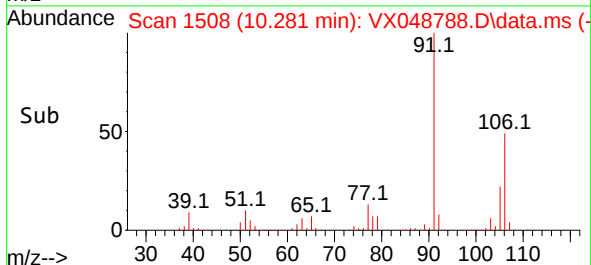
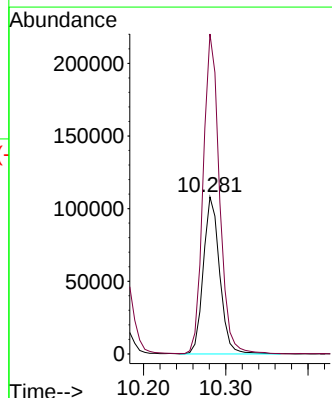
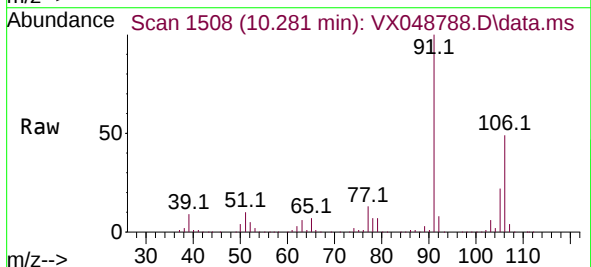
Acq: 09 Dec 2025 16:30

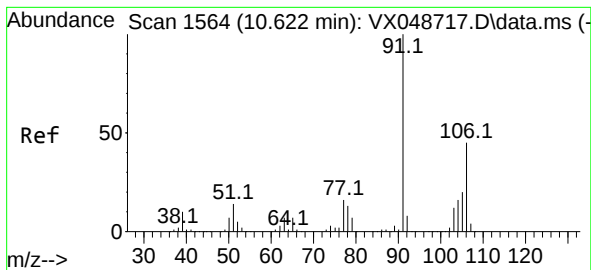
Tgt Ion:106 Resp: 148844

Ion Ratio Lower Upper

106 100

91 203.6 164.2 246.4





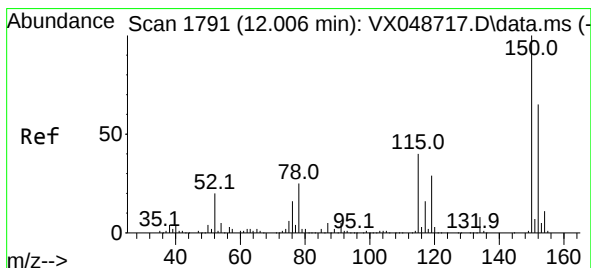
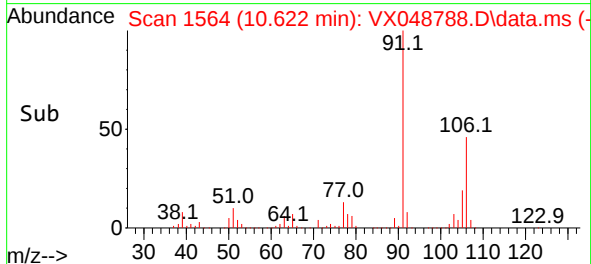
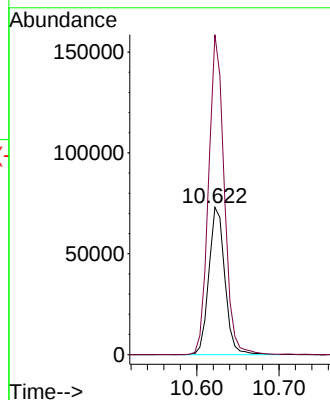
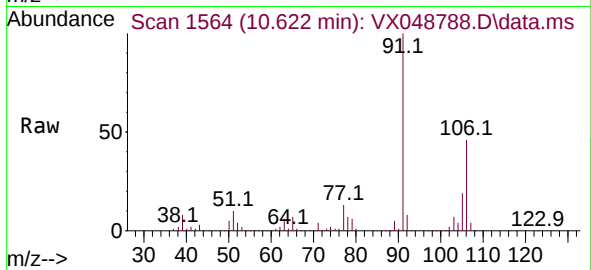
#69
o-Xylene
Concen: 20.384 ug/l
RT: 10.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

Instrument :
MSVOA_X
ClientSampleId :
CHASE-L

Tgt Ion:106 Resp: 9852
Ion Ratio Lower Upper
106 100
91 213.3 108.1 324.3

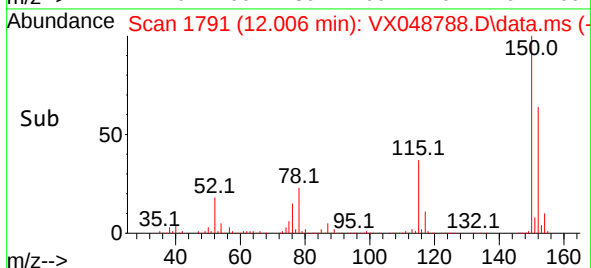
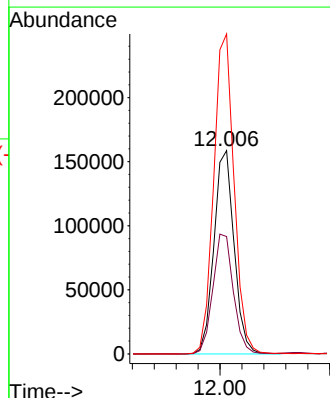
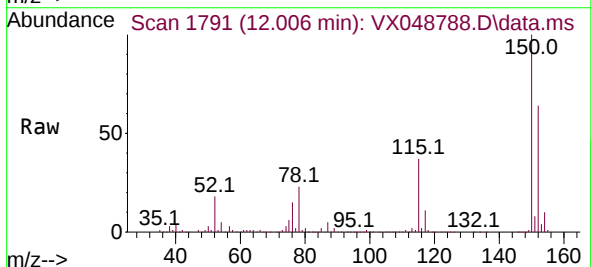
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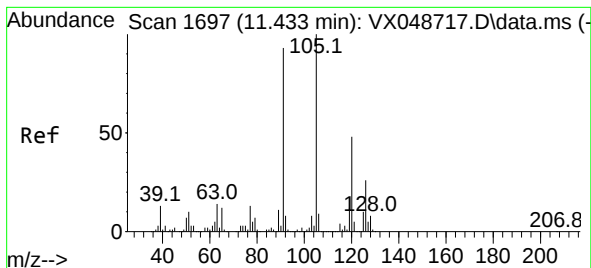
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

Tgt Ion:152 Resp: 202485
Ion Ratio Lower Upper
152 100
115 60.1 42.1 126.4
150 159.0 0.0 347.8





#80

1,3,5-Trimethylbenzene

Concen: 1.868 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX048788.D

Acq: 09 Dec 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

CHASE-L

Tgt Ion:105 Resp: 2095

Ion Ratio Lower Upper

105 100

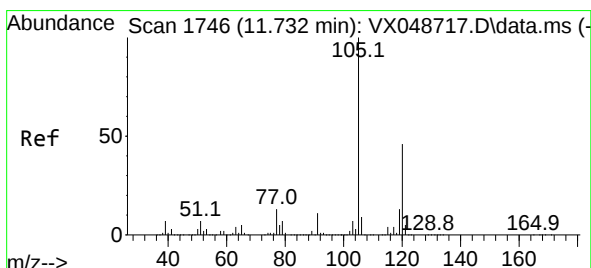
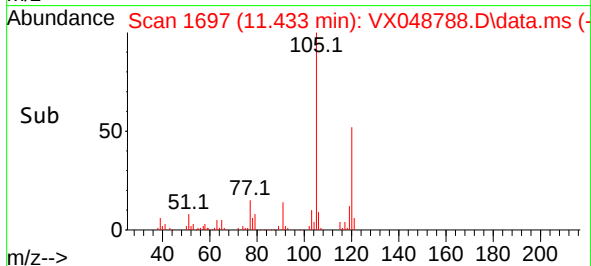
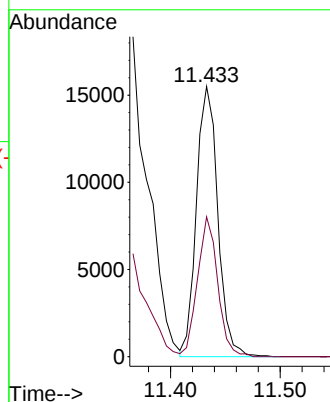
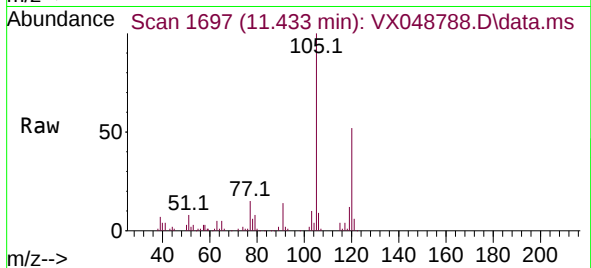
120 49.0 24.4 73.2

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: 7.443 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VX048788.D

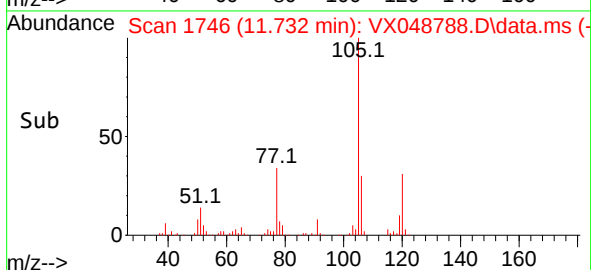
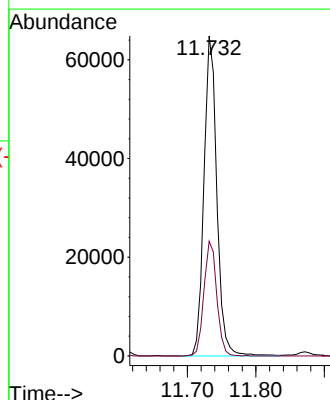
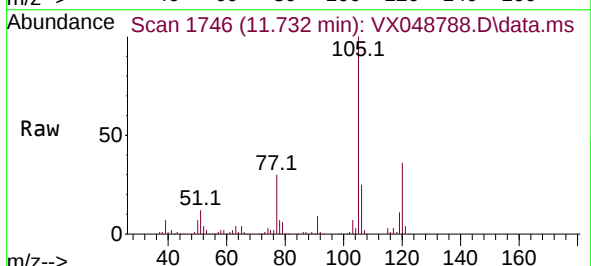
Acq: 09 Dec 2025 16:30

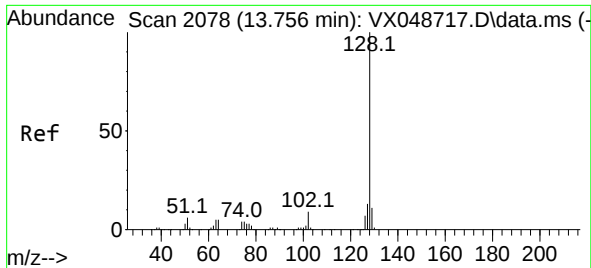
Tgt Ion:105 Resp: 84206

Ion Ratio Lower Upper

105 100

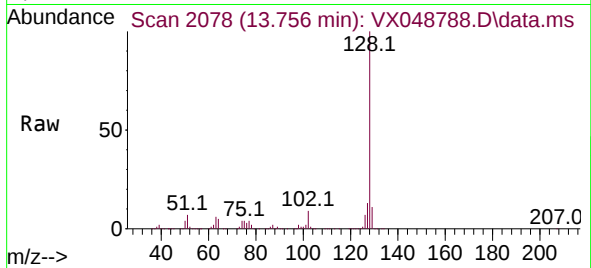
120 35.7 22.3 66.8





#95
Naphthalene
Concen: 59.329 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048788.D
Acq: 09 Dec 2025 16:30

Instrument :
MSVOA_X
ClientSampleId :
CHASE-L



Tgt Ion:128 Resp: 747609
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.9 8.6 13.0

Manual Integrations
APPROVED

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

