

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048789.D
 Acq On : 09 Dec 2025 16:50
 Operator : JC/MD
 Sample : Q3803-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-M

Quant Time: Dec 10 00:27:55 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)

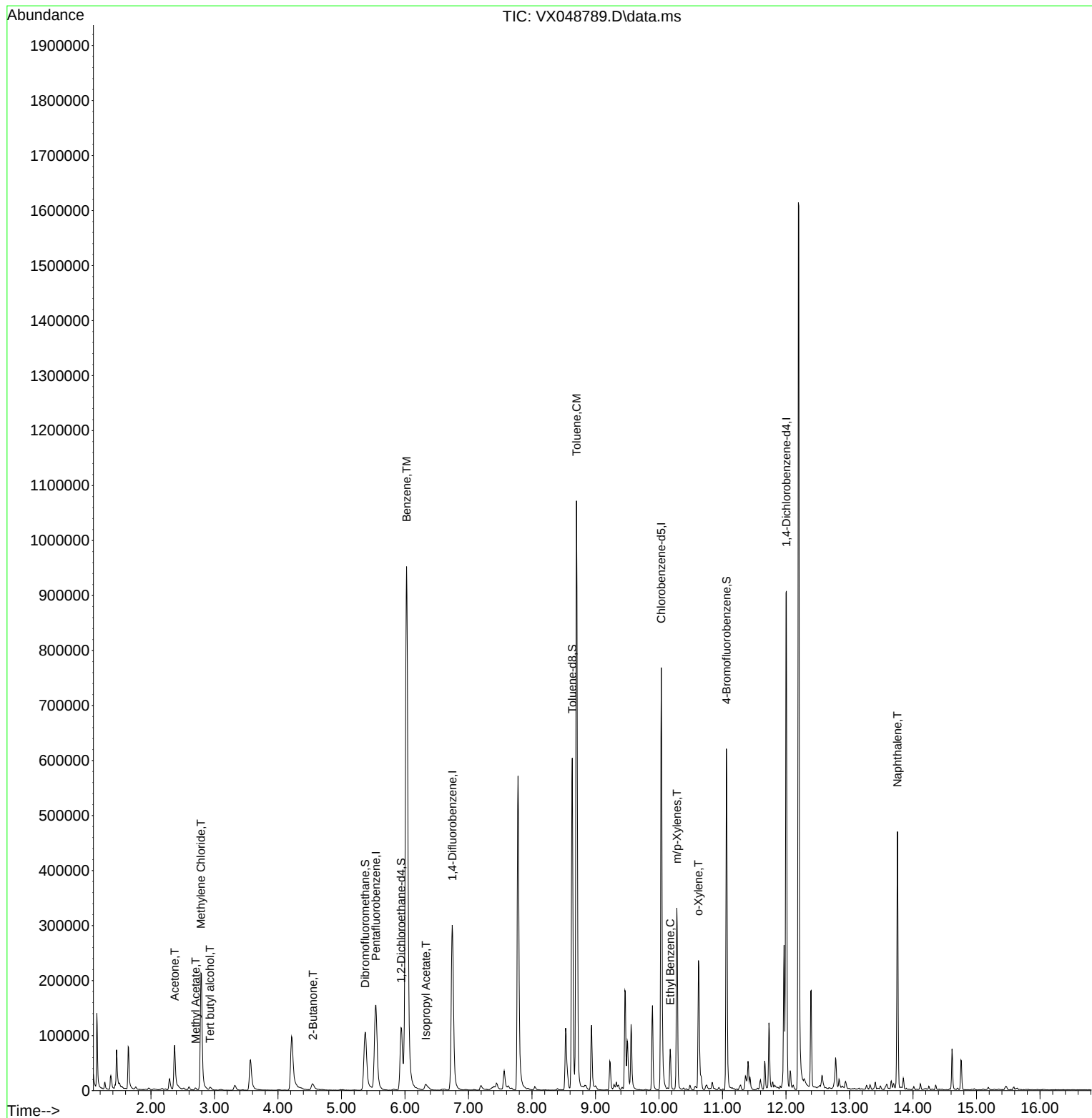
Internal Standards						
1) Pentafluorobenzene	5.544	168	169661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	346552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	370535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	203628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125010	54.897	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.800%
35) Dibromofluoromethane	5.373	113	110782	46.427	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.860%
50) Toluene-d8	8.635	98	391399	46.795	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.580%
62) 4-Bromofluorobenzene	11.061	95	178911	62.031	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	124.060%#
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.928	59	6458	17.566	ug/l	97
16) Acetone	2.374	43	111776	128.221	ug/l	98
18) Methyl Acetate	2.703	43	5673	2.313	ug/l	90
20) Methylene Chloride	2.788	84	115503	53.009	ug/l	97
25) 2-Butanone	4.550	43	22417	17.423	ug/l #	86
40) Benzene	6.025	78	1291628	133.318	ug/l	99
43) Isopropyl Acetate	6.330	43	14848	2.511	ug/l	93
52) Toluene	8.702	92	430538	73.695	ug/l	100
67) Ethyl Benzene	10.177	91	43720	3.303	ug/l	94
68) m/p-Xylenes	10.281	106	80930	15.698	ug/l	99
69) o-Xylene	10.622	106	50059	10.362	ug/l	99
95) Naphthalene	13.756	128	284516	25.050	ug/l	100

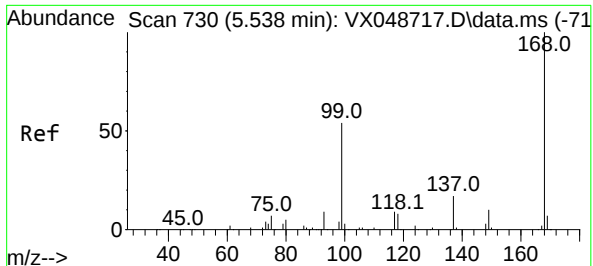
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048789.D
Acq On : 09 Dec 2025 16:50
Operator : JC/MD
Sample : Q3803-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CHASE-M

Quant Time: Dec 10 00:27:55 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

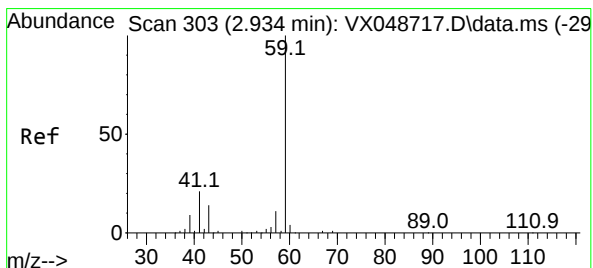
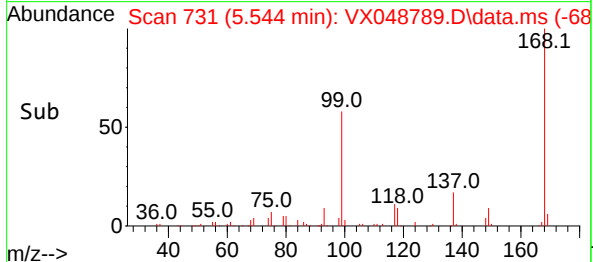
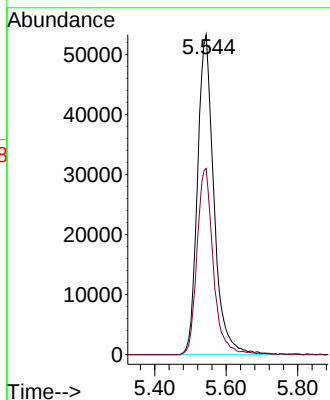
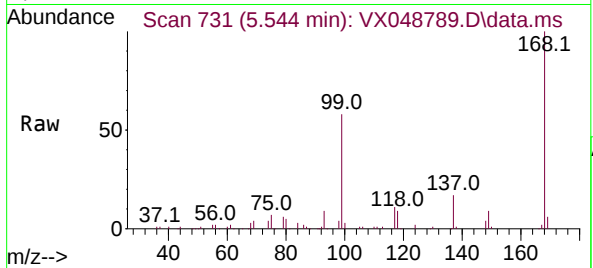




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

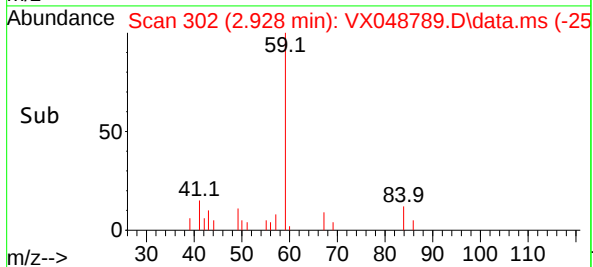
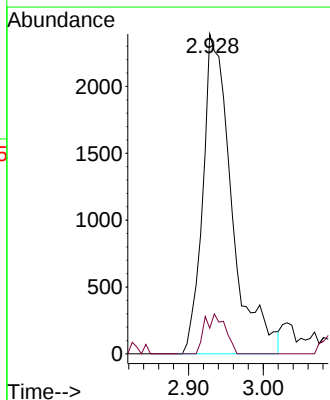
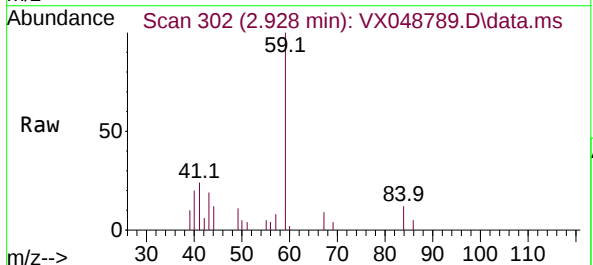
Instrument :
MSVOA_X
ClientSampleId :
CHASE-M

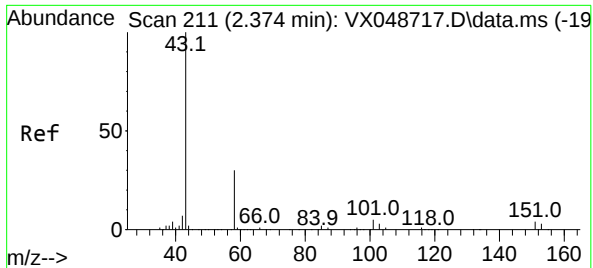
Tgt Ion:168 Resp: 169661
Ion Ratio Lower Upper
168 100
99 58.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 17.566 ug/l
RT: 2.928 min Scan# 302
Delta R.T. -0.006 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

Tgt Ion: 59 Resp: 6458
Ion Ratio Lower Upper
59 100
57 8.8 8.1 12.1

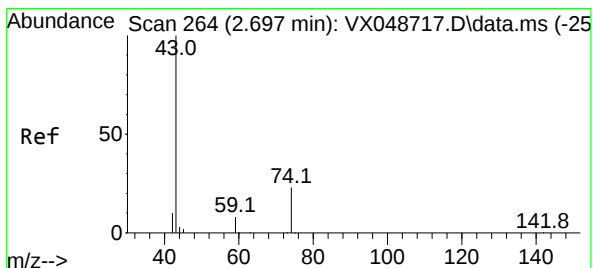
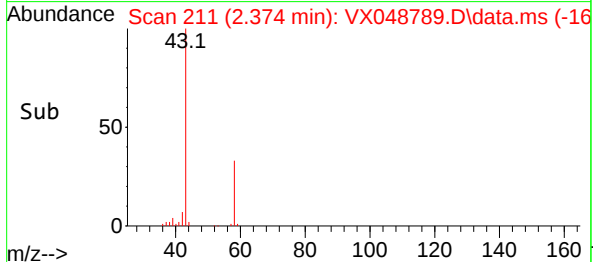
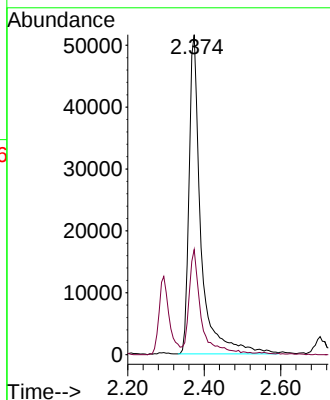
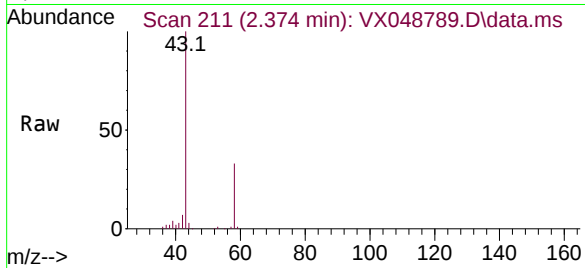




#16
Acetone
Concen: 128.221 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

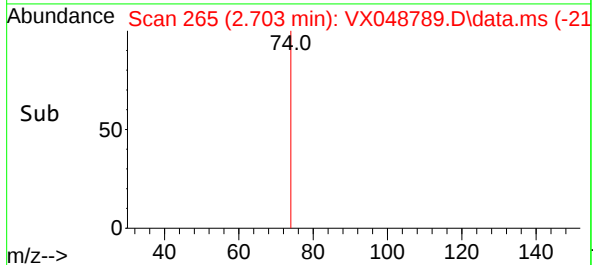
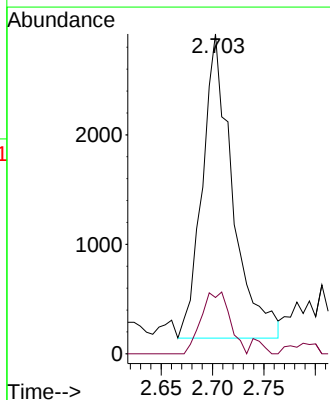
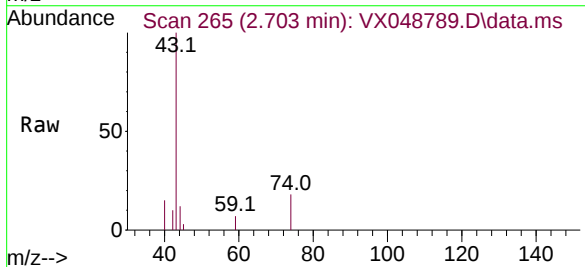
Instrument :
MSVOA_X
ClientSampleId :
CHASE-M

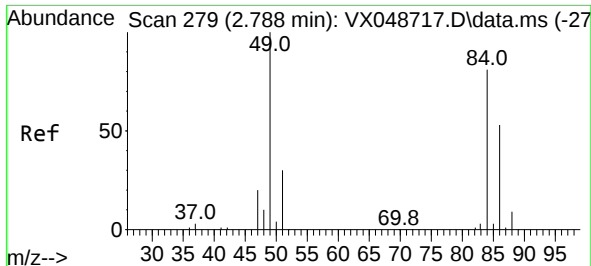
Tgt Ion: 43 Resp: 111776
Ion Ratio Lower Upper
43 100
58 32.5 25.0 37.4



#18
Methyl Acetate
Concen: 2.313 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

Tgt Ion: 43 Resp: 5673
Ion Ratio Lower Upper
43 100
74 19.3 19.2 28.8

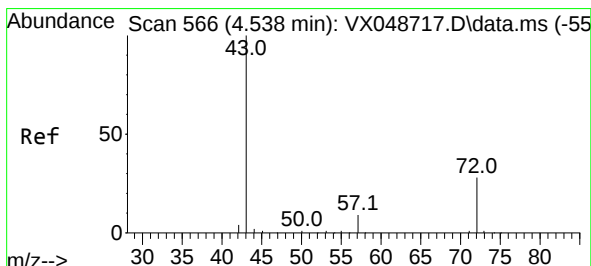
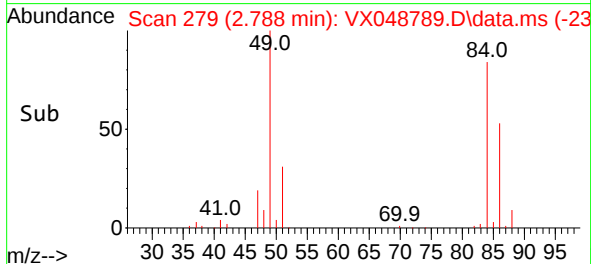
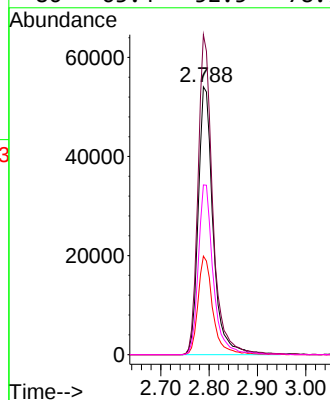
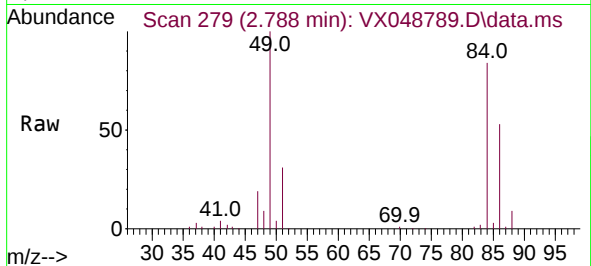




#20
Methylene Chloride
Concen: 53.009 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

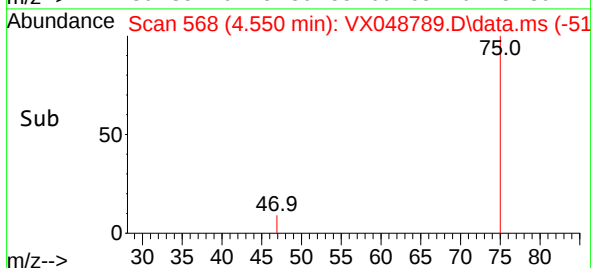
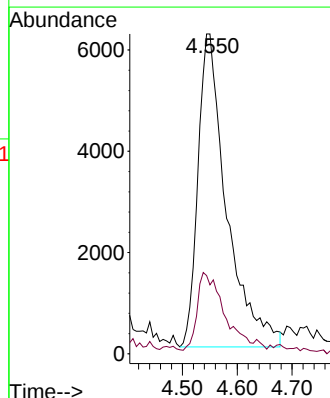
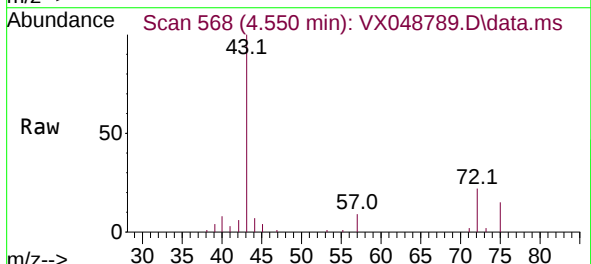
Instrument :
MSVOA_X
ClientSampleId :
CHASE-M

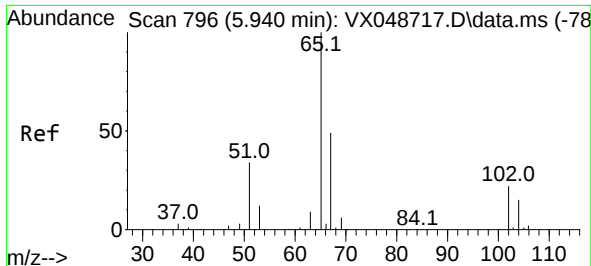
Tgt Ion: 84	Resp: 115503		
Ion	Ratio	Lower	Upper
84	100		
49	119.5	98.7	148.1
51	36.8	29.4	44.2
86	63.4	52.5	78.7



#25
2-Butanone
Concen: 17.423 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

Tgt Ion: 43	Resp: 22417		
Ion Ratio	Lower	Upper	
43 100			
72 20.8	22.6	34.0#	

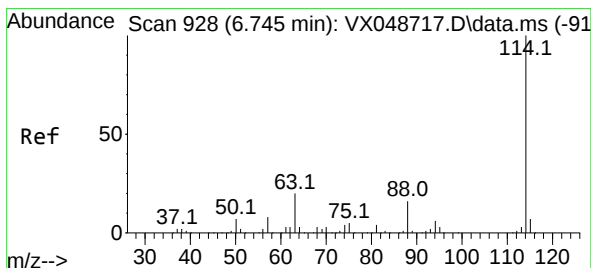
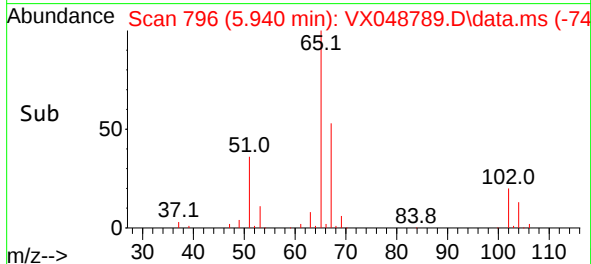
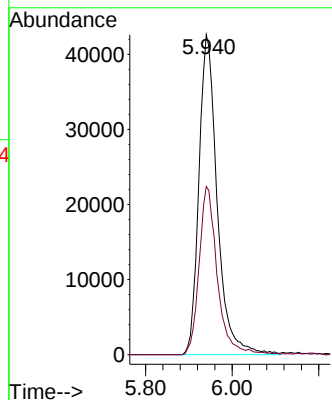
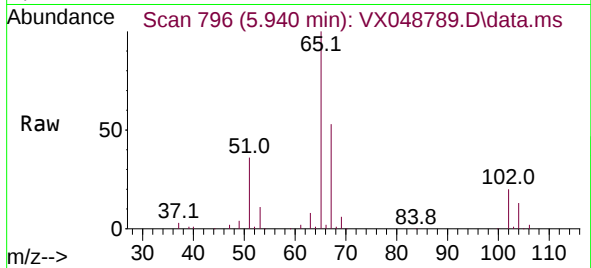




#33
 1,2-Dichloroethane-d4
 Concen: 54.897 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048789.D
 Acq: 09 Dec 2025 16:50

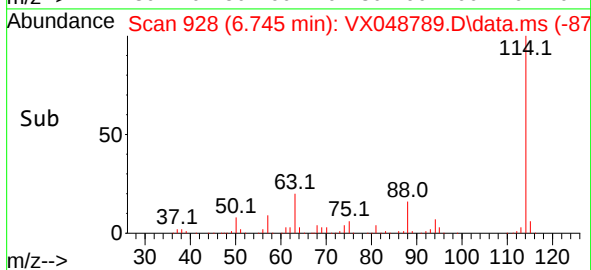
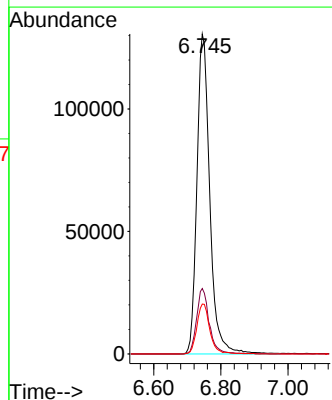
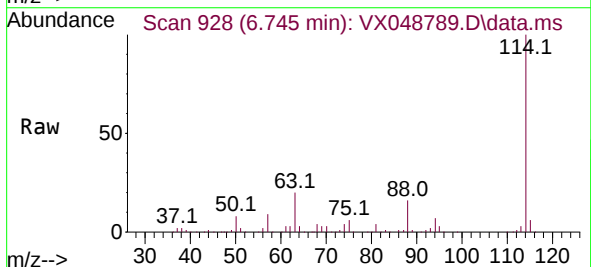
Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-M

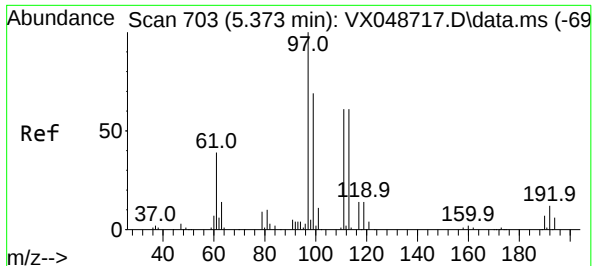
Tgt Ion: 65 Resp: 125010
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX048789.D
 Acq: 09 Dec 2025 16:50

Tgt Ion: 114 Resp: 346552
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.427 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048789.D

Acq: 09 Dec 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

CHASE-M

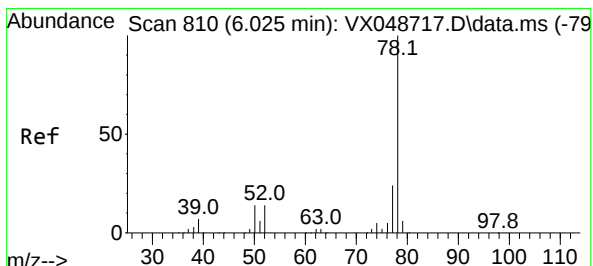
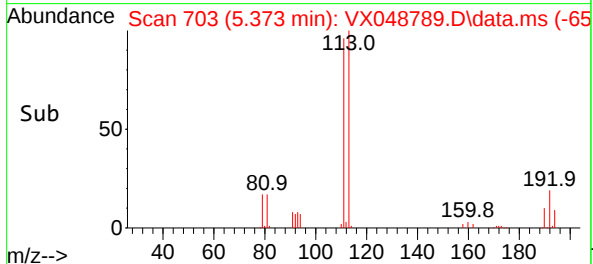
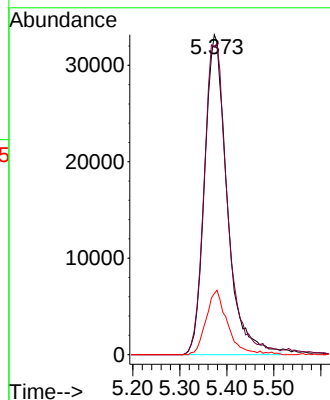
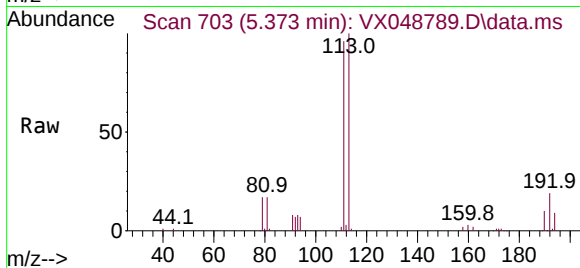
Tgt Ion:113 Resp: 110782

Ion Ratio Lower Upper

113 100

111 101.1 79.5 119.3

192 19.1 16.1 24.1



#40

Benzene

Concen: 133.318 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX048789.D

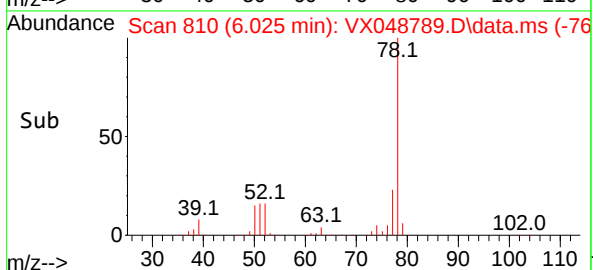
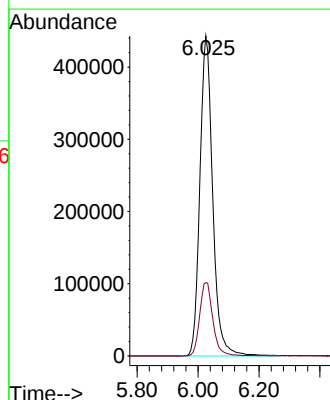
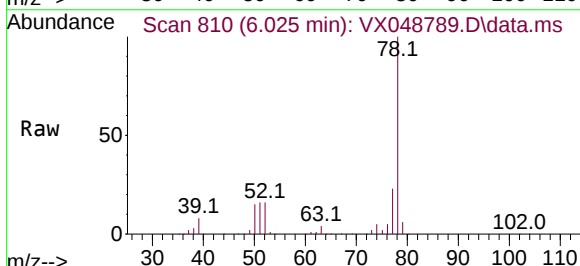
Acq: 09 Dec 2025 16:50

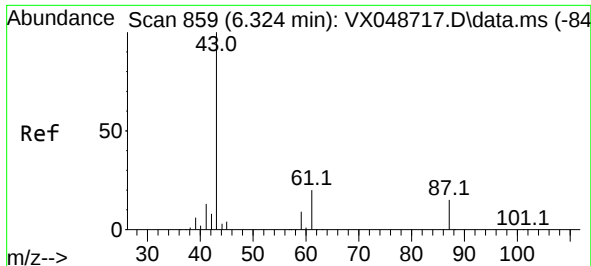
Tgt Ion: 78 Resp: 1291628

Ion Ratio Lower Upper

78 100

77 22.9 18.8 28.2

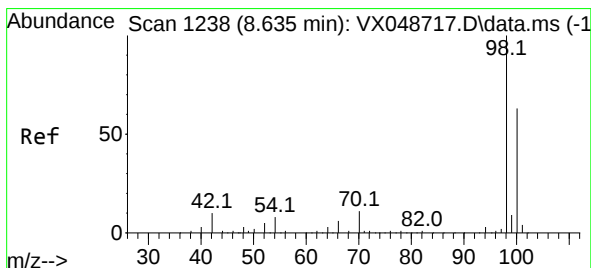
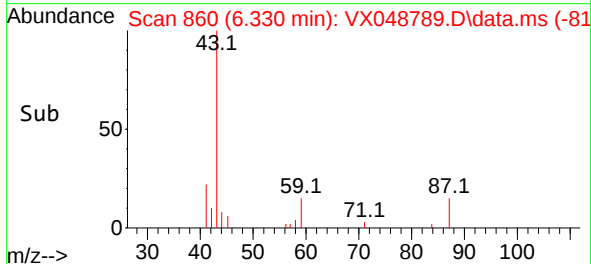
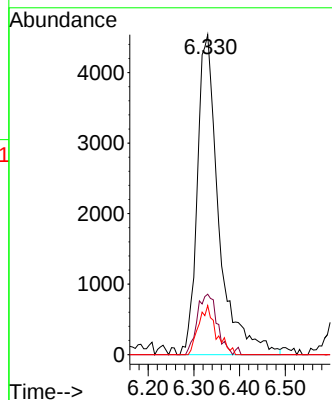
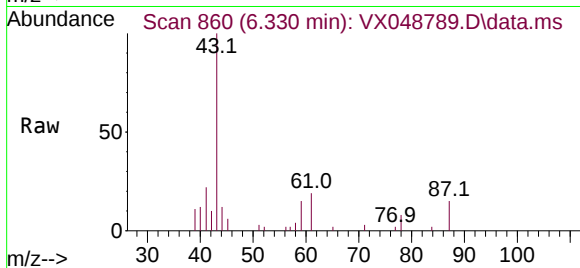




#43
Isopropyl Acetate
Concen: 2.511 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

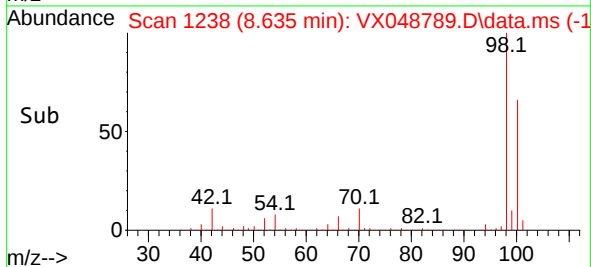
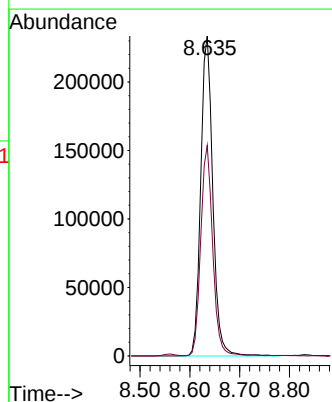
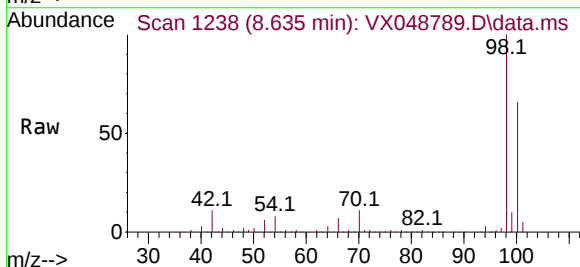
Instrument :
MSVOA_X
ClientSampleId :
CHASE-M

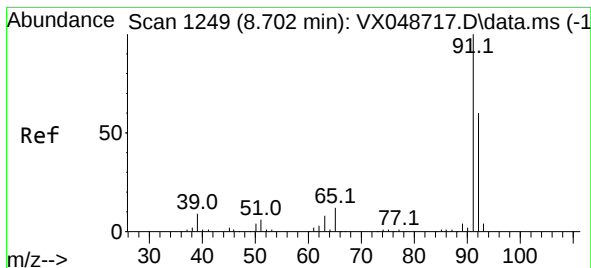
Tgt Ion:	43	Resp:	14848
Ion Ratio	Lower	Upper	
43	100		
61	17.4	16.8	25.2
87	12.5	11.8	17.6



#50
Toluene-d8
Concen: 46.795 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

Tgt Ion:	98	Resp:	391399
Ion Ratio	Lower	Upper	
98	100		
100	65.0	53.4	80.0





#52

Toluene

Concen: 73.695 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VX048789.D

Acq: 09 Dec 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

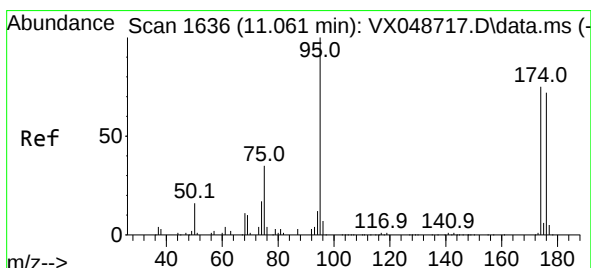
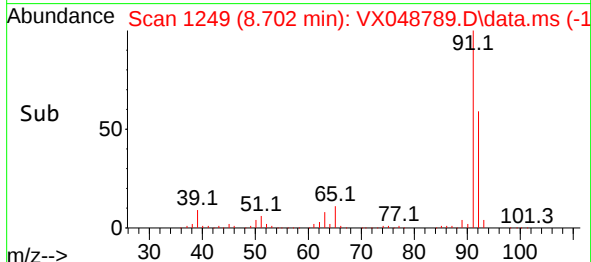
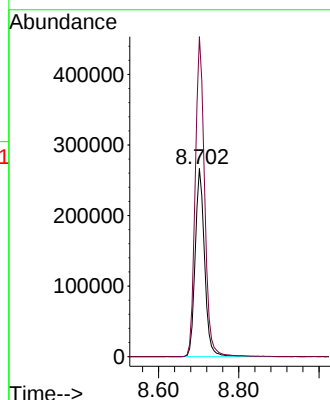
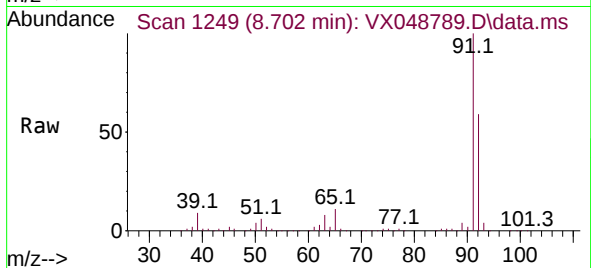
CHASE-M

Tgt Ion: 92 Resp: 430538

Ion Ratio Lower Upper

92 100

91 170.4 136.3 204.5



#62

4-Bromofluorobenzene

Concen: 62.031 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048789.D

Acq: 09 Dec 2025 16:50

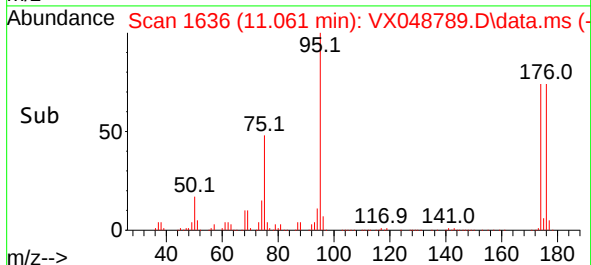
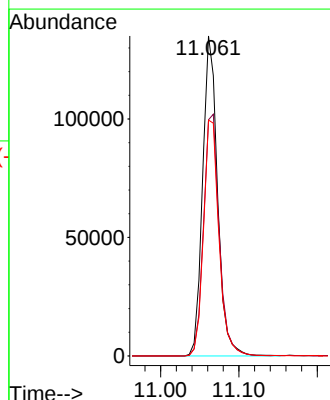
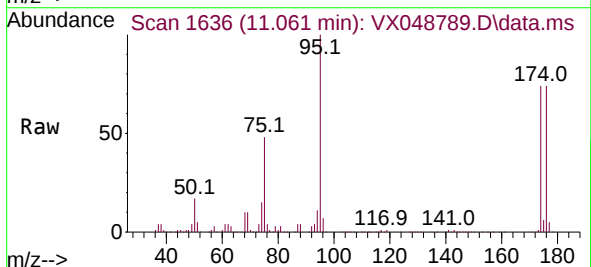
Tgt Ion: 95 Resp: 178911

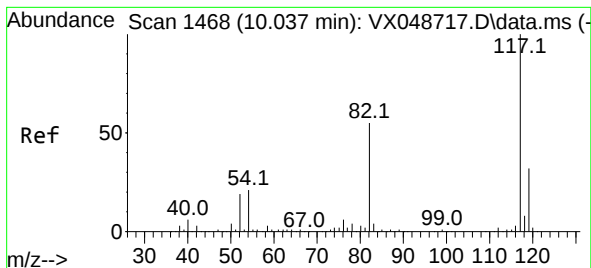
Ion Ratio Lower Upper

95 100

174 79.4 0.0 157.8

176 76.5 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048789.D

Acq: 09 Dec 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

CHASE-M

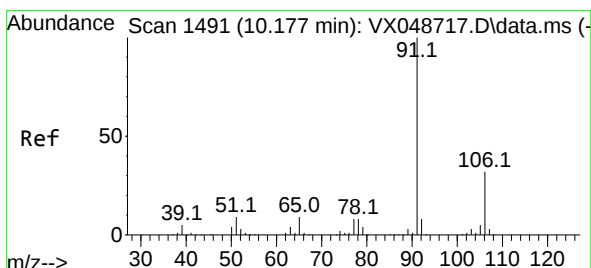
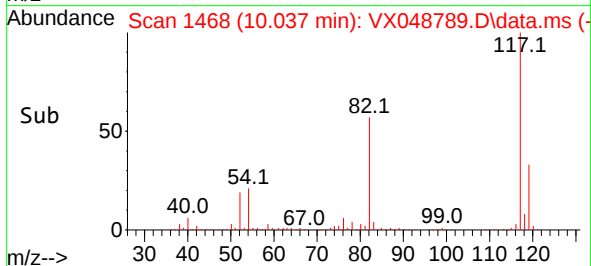
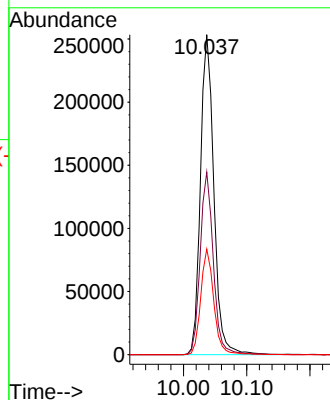
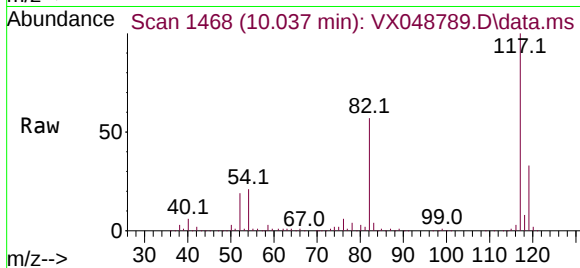
Tgt Ion:117 Resp: 370535

Ion Ratio Lower Upper

117 100

82 57.0 44.1 66.1

119 33.0 25.2 37.8



#67

Ethyl Benzene

Concen: 3.303 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048789.D

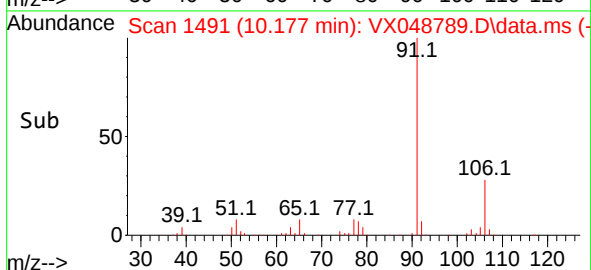
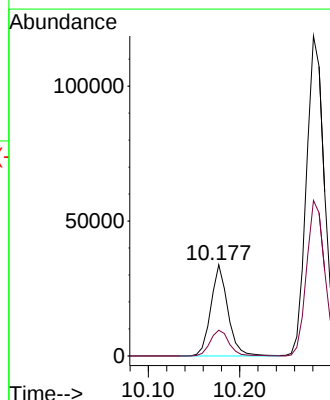
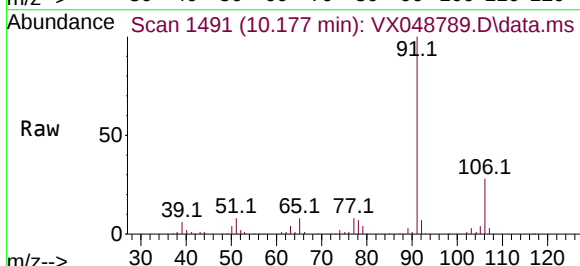
Acq: 09 Dec 2025 16:50

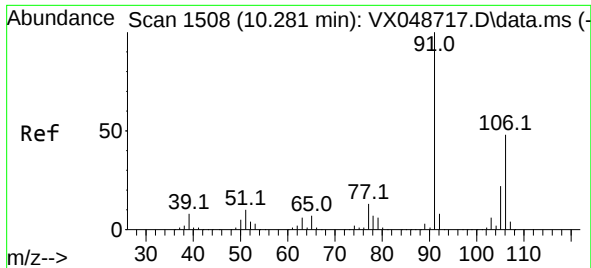
Tgt Ion: 91 Resp: 43720

Ion Ratio Lower Upper

91 100

106 28.1 25.3 37.9

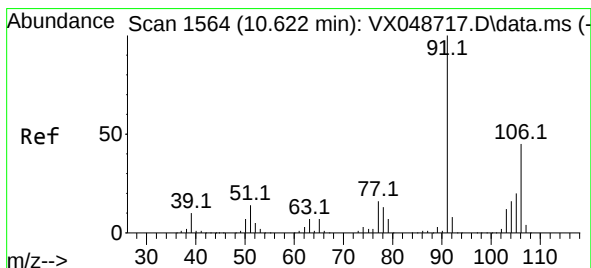
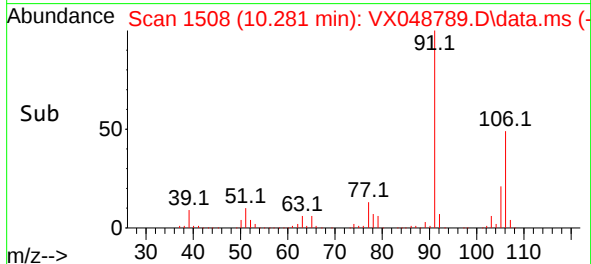
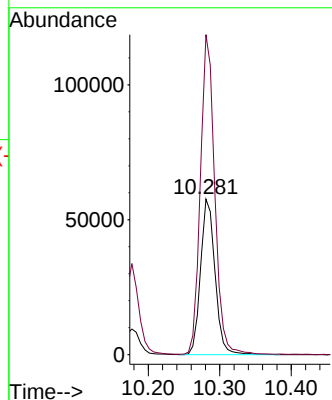
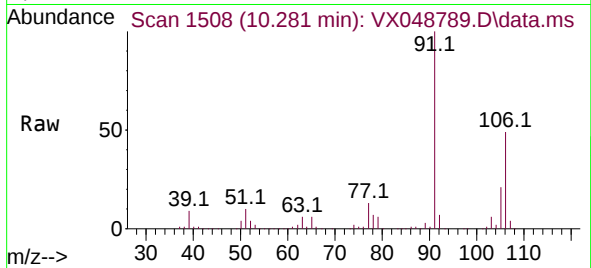




#68
m/p-Xylenes
Concen: 15.698 ug/l
RT: 10.281 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

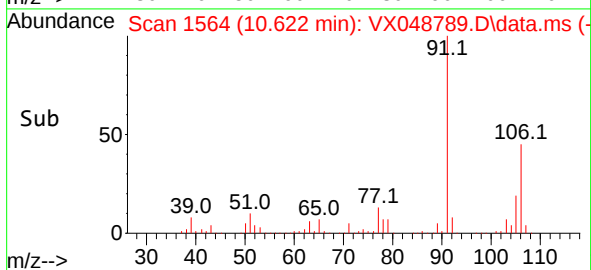
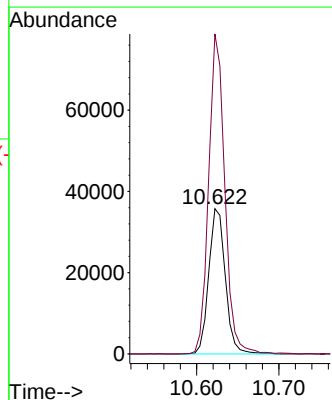
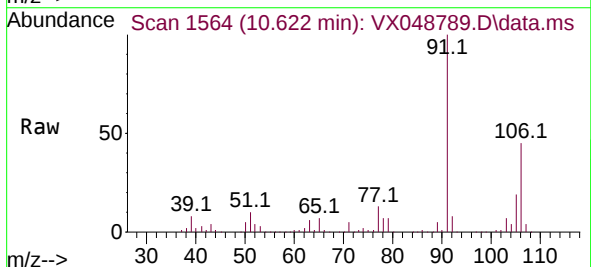
Instrument :
MSVOA_X
ClientSampleId :
CHASE-M

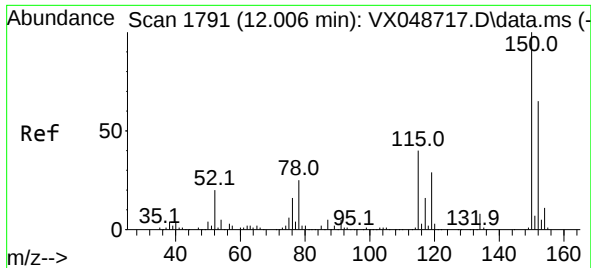
Tgt Ion:106 Resp: 80930
Ion Ratio Lower Upper
106 100
91 203.9 164.2 246.4



#69
o-Xylene
Concen: 10.362 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. 0.000 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

Tgt Ion:106 Resp: 50059
Ion Ratio Lower Upper
106 100
91 214.6 108.1 324.3

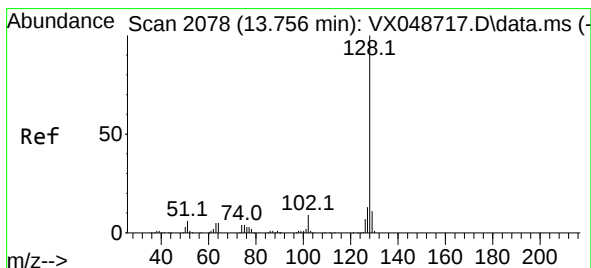
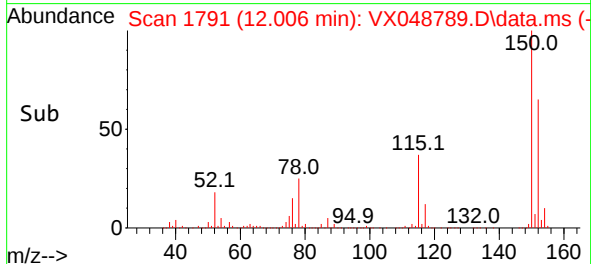
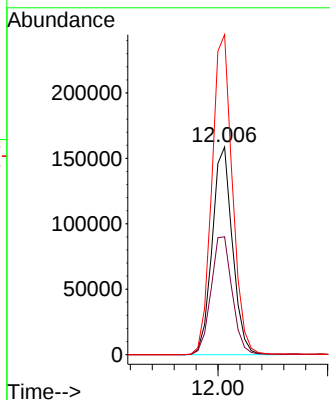
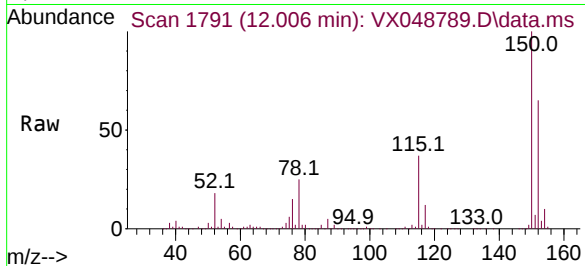




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
CHASE-M

Tgt Ion:152 Resp: 203628
Ion Ratio Lower Upper
152 100
115 59.3 42.1 126.4
150 156.6 0.0 347.8



#95
Naphthalene
Concen: 25.050 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VX048789.D
Acq: 09 Dec 2025 16:50

Tgt Ion:128 Resp: 284516
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.0 8.6 13.0

