

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048786.D
 Acq On : 09 Dec 2025 15:49
 Operator : JC/MD
 Sample : Q3803-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-J

Quant Time: Dec 10 00:26:16 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)

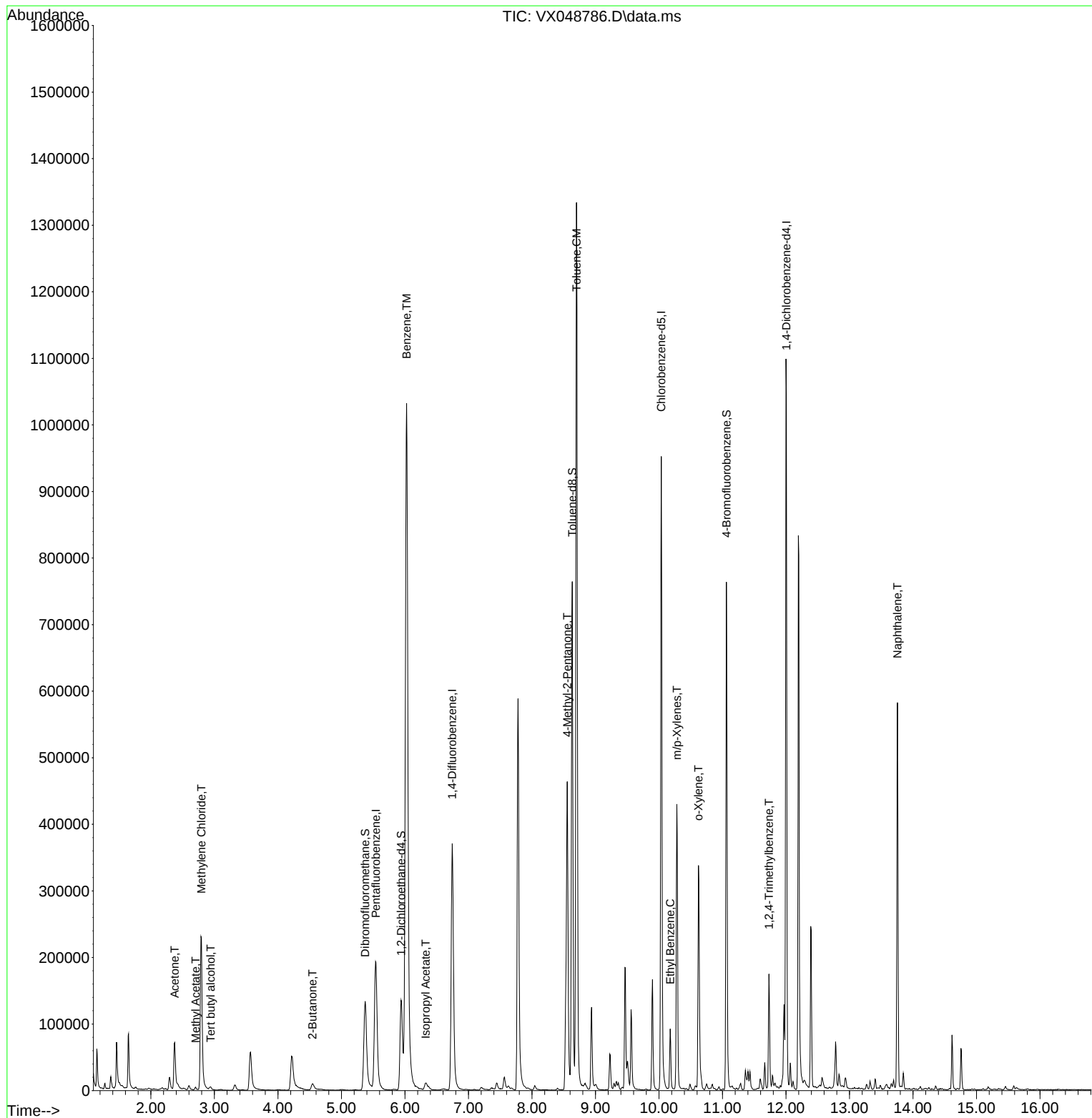
Internal Standards						
1) Pentafluorobenzene	5.544	168	207524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	423652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	448489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	242407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	148729	53.397	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.800%
35) Dibromofluoromethane	5.373	113	135240	46.363	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.720%
50) Toluene-d8	8.635	98	484910	47.424	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.840%
62) 4-Bromofluorobenzene	11.061	95	216901	61.516	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	123.040%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	5315	11.819	ug/l	99
16) Acetone	2.374	43	98769	92.629	ug/l	100
18) Methyl Acetate	2.703	43	5534	1.845	ug/l	95
20) Methylene Chloride	2.794	84	124447	46.693	ug/l	96
25) 2-Butanone	4.544	43	18421	11.705	ug/l	99
40) Benzene	6.025	78	1396428	117.904	ug/l	99
43) Isopropyl Acetate	6.324	43	14503	2.006	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	341291	76.064	ug/l	91
52) Toluene	8.702	92	536815	75.164	ug/l	100
67) Ethyl Benzene	10.177	91	55086	3.439	ug/l	98
68) m/p-Xylenes	10.281	106	106549	17.075	ug/l	98
69) o-Xylene	10.622	106	73291	12.534	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	63103	4.659	ug/l	70
95) Naphthalene	13.756	128	361957	26.695	ug/l	100

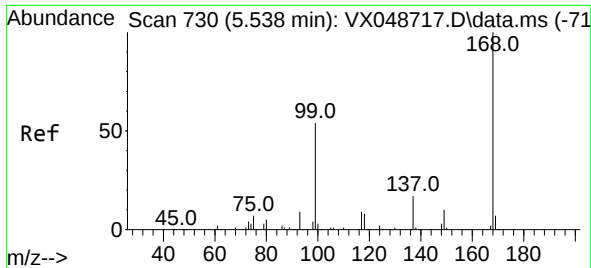
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
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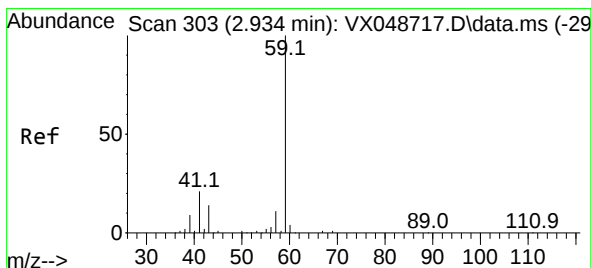
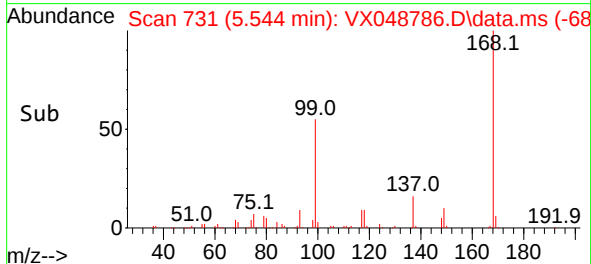
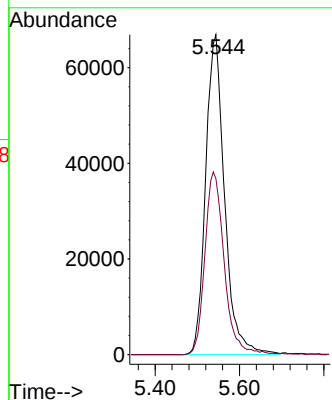
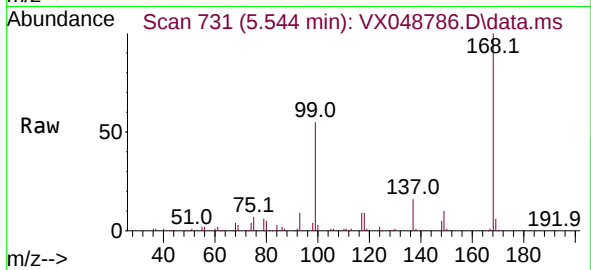




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

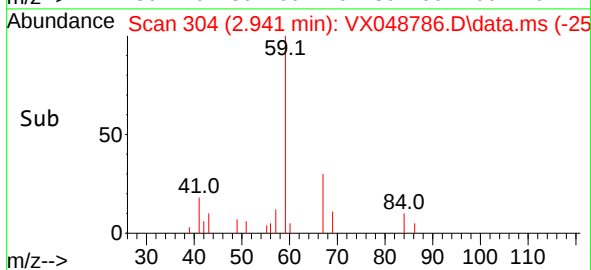
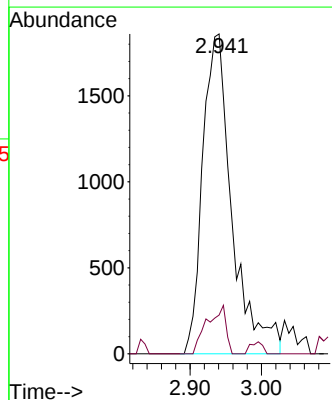
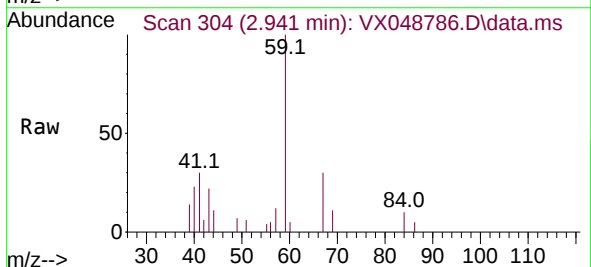
Instrument :
MSVOA_X
ClientSampleId :
CHASE-J

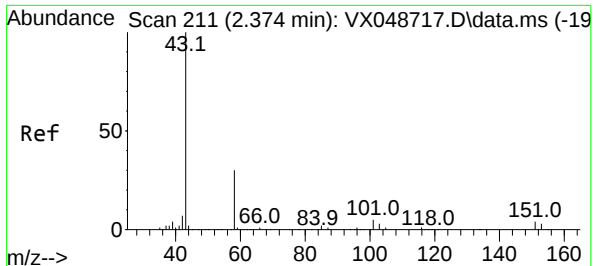
Tgt Ion:168 Resp: 207524
Ion Ratio Lower Upper
168 100
99 55.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 11.819 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

Tgt Ion: 59 Resp: 5315
Ion Ratio Lower Upper
59 100
57 9.7 8.1 12.1

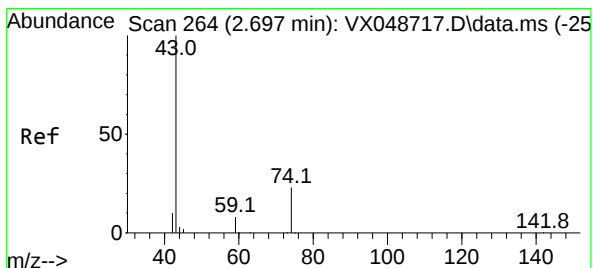
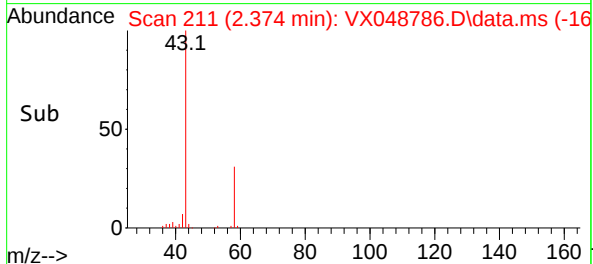
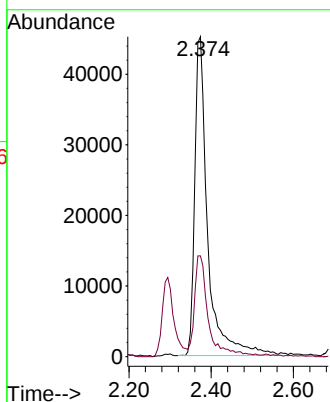
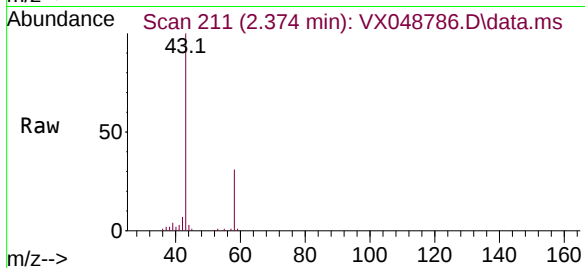




#16
Acetone
Concen: 92.629 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

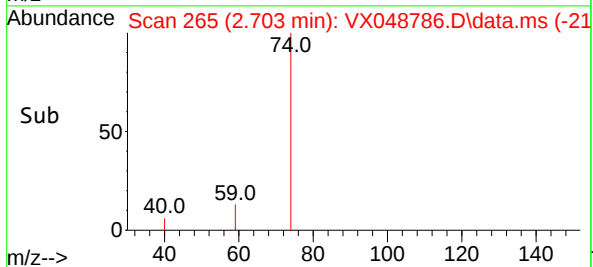
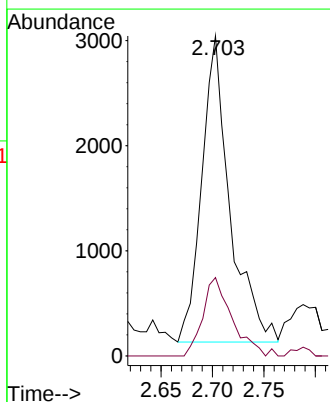
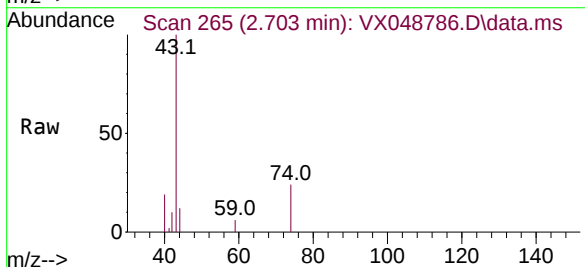
Instrument :
MSVOA_X
ClientSampleId :
CHASE-J

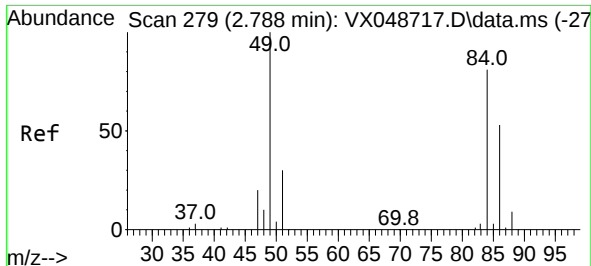
Tgt Ion: 43 Resp: 98769
Ion Ratio Lower Upper
43 100
58 31.1 25.0 37.4



#18
Methyl Acetate
Concen: 1.845 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

Tgt Ion: 43 Resp: 5534
Ion Ratio Lower Upper
43 100
74 26.7 19.2 28.8

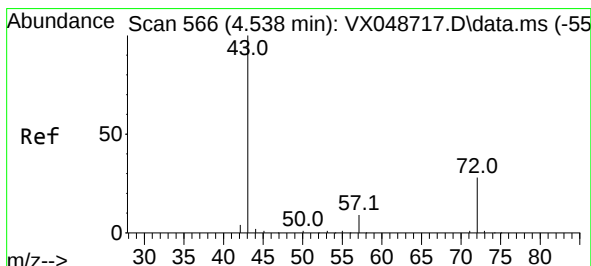
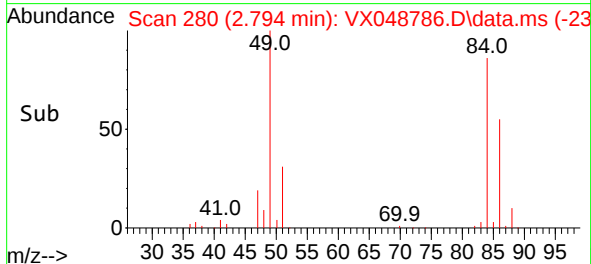
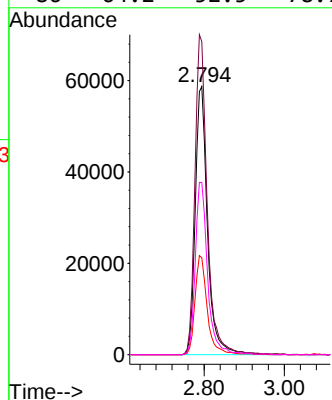
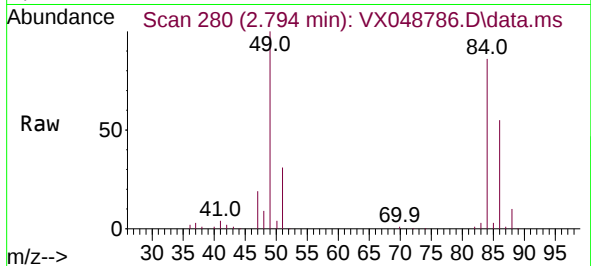




#20
Methylene Chloride
Concen: 46.693 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

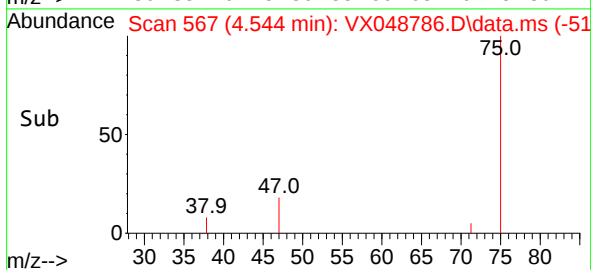
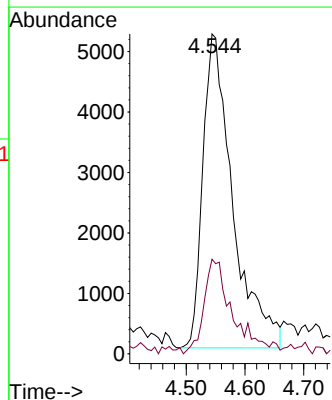
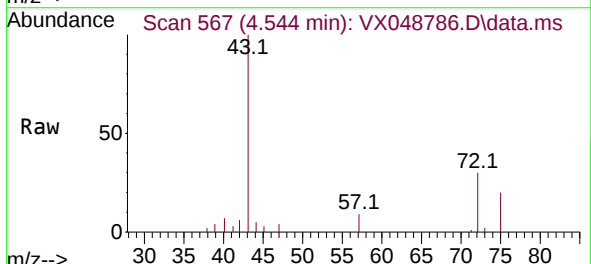
Instrument :
MSVOA_X
ClientSampleId :
CHASE-J

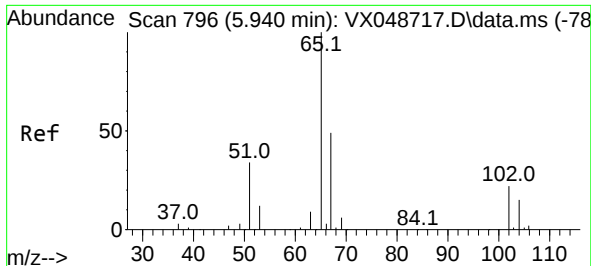
Tgt Ion: 84	Resp: 124447		
Ion	Ratio	Lower	Upper
84	100		
49	116.7	98.7	148.1
51	36.1	29.4	44.2
86	64.2	52.5	78.7



#25
2-Butanone
Concen: 11.705 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.006 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

Tgt Ion: 43	Resp: 18421
Ion Ratio	Lower Upper
43 100	
72 28.9	22.6 34.0





#33

1,2-Dichloroethane-d4

Concen: 53.397 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048786.D

Acq: 09 Dec 2025 15:49

Instrument :

MSVOA_X

ClientSampleId :

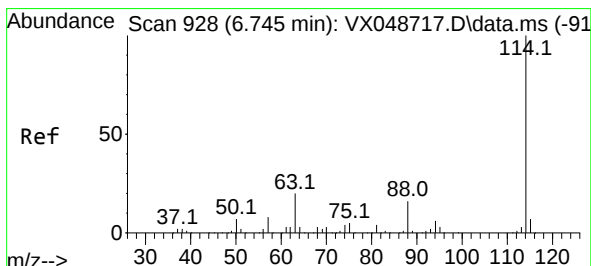
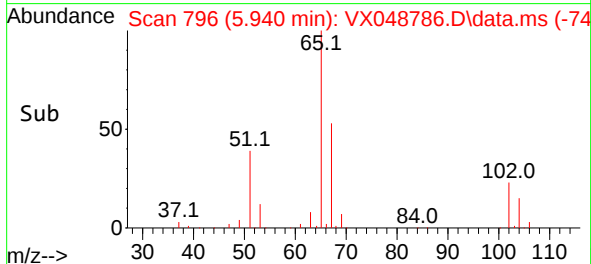
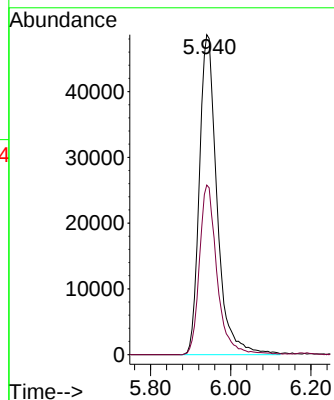
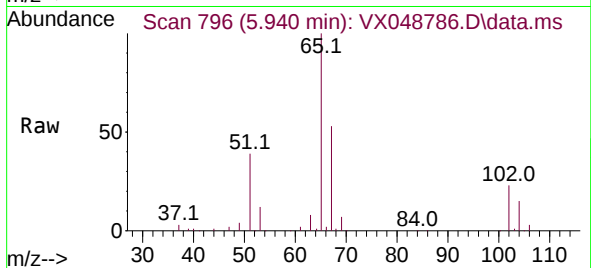
CHASE-J

Tgt Ion: 65 Resp: 148729

Ion Ratio Lower Upper

65 100

67 52.9 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: VX048786.D

Acq: 09 Dec 2025 15:49

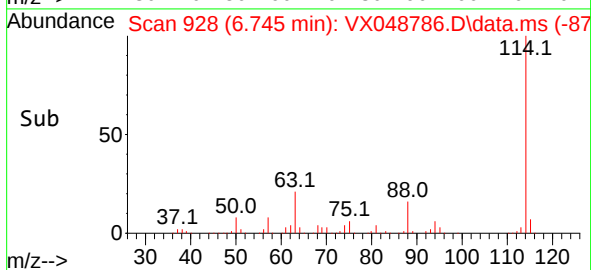
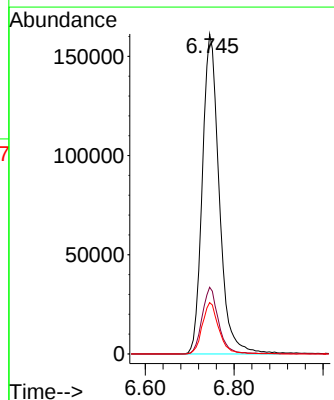
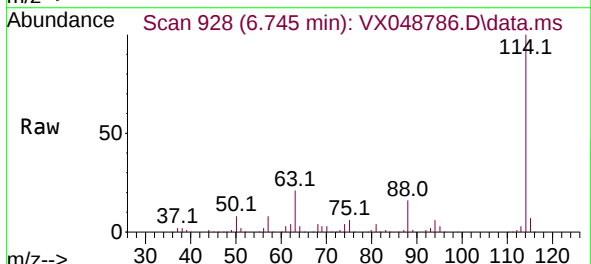
Tgt Ion: 114 Resp: 423652

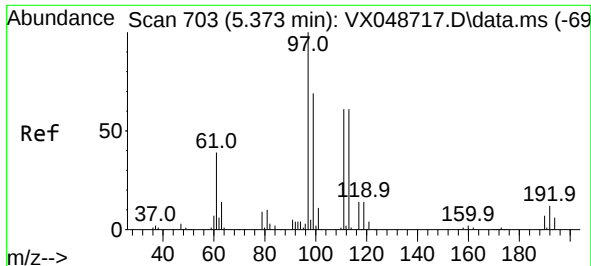
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

88 16.1 0.0 31.8

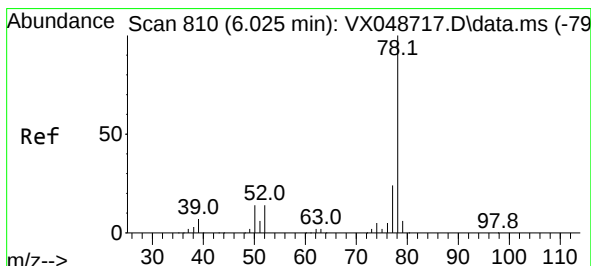
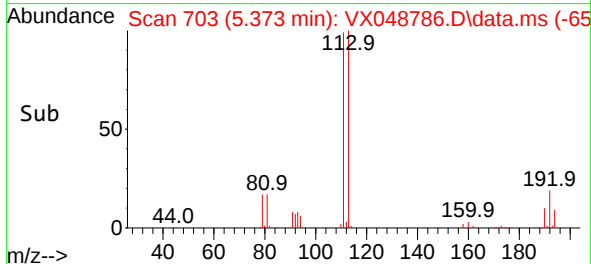
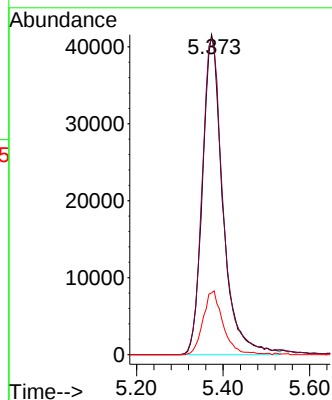
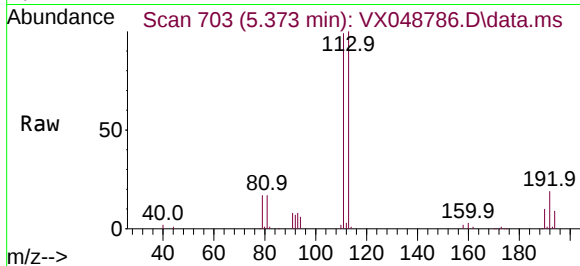




#35
Dibromofluoromethane
Concen: 46.363 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

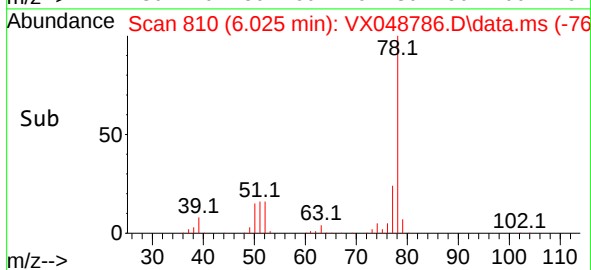
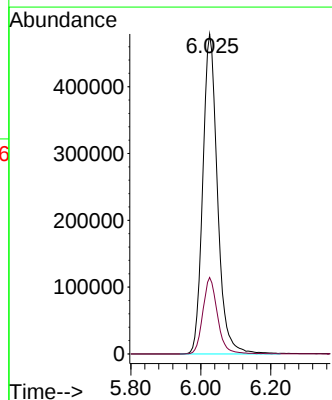
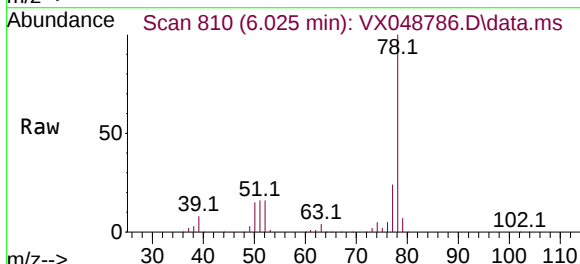
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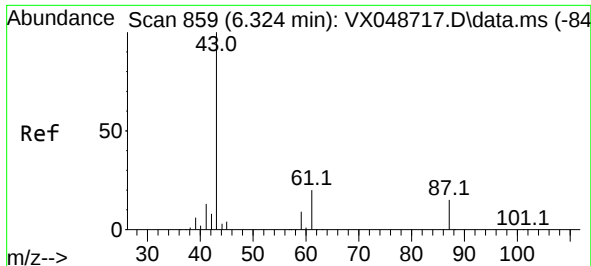
Tgt Ion:113 Resp: 135240
Ion Ratio Lower Upper
113 100
111 101.6 79.5 119.3
192 19.7 16.1 24.1



#40
Benzene
Concen: 117.904 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

Tgt Ion: 78 Resp: 1396428
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

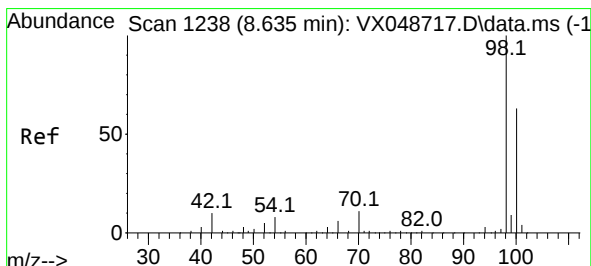
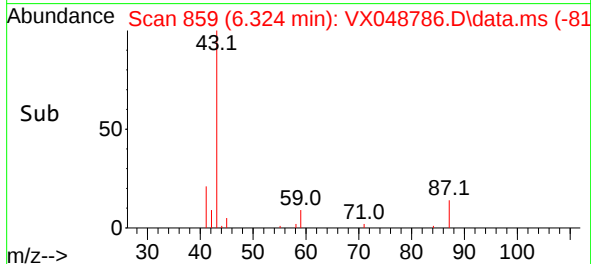
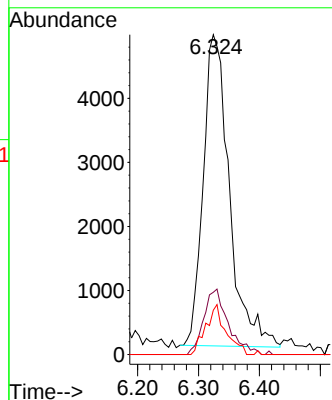
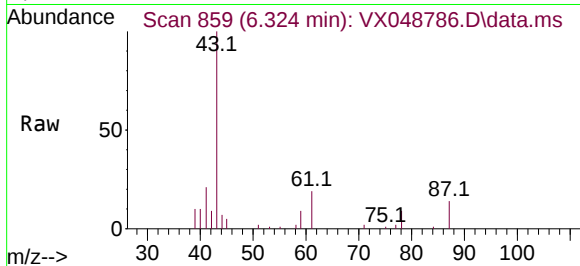




#43
Isopropyl Acetate
Concen: 2.006 ug/l
RT: 6.324 min Scan# 859
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

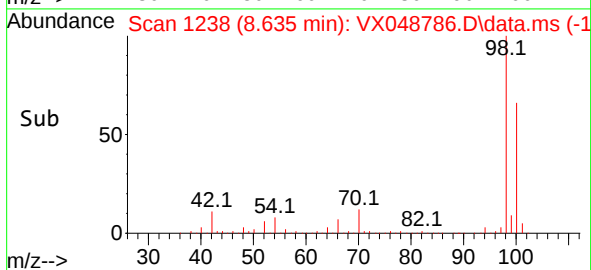
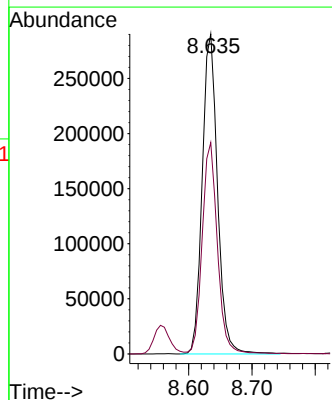
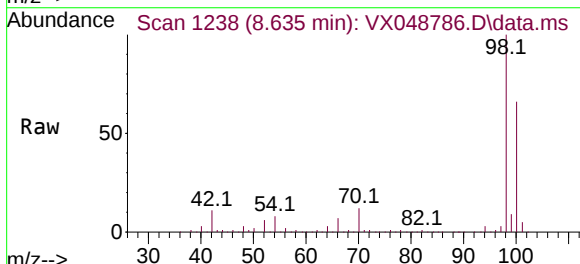
Instrument :
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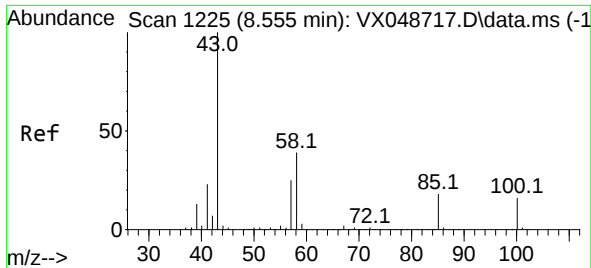
Tgt Ion:	43	Resp:	14503
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.8	25.2
87	12.3	11.8	17.6



#50
Toluene-d8
Concen: 47.424 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

Tgt Ion:	98	Resp:	484910
Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.4	80.0

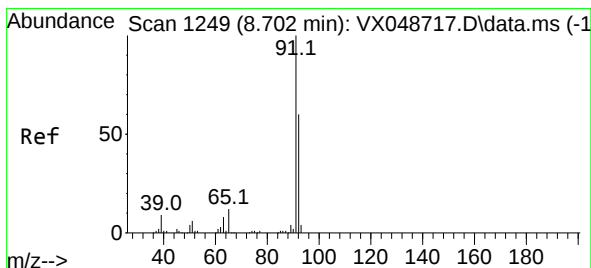
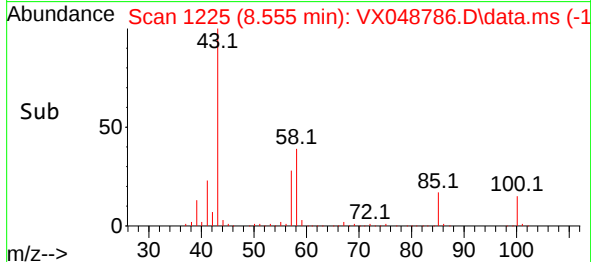
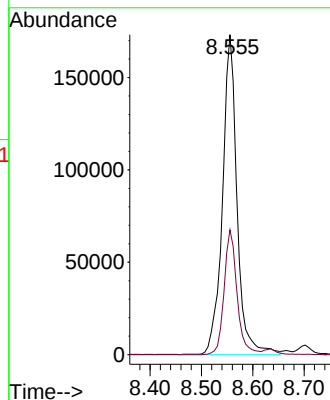
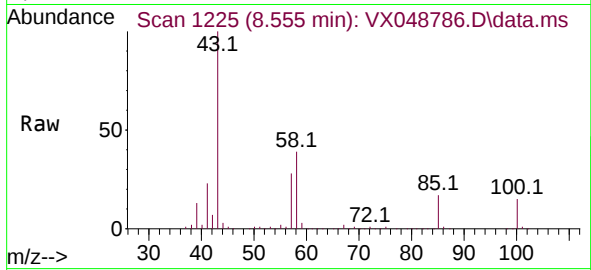




#51
4-Methyl-2-Pentanone
Concen: 76.064 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

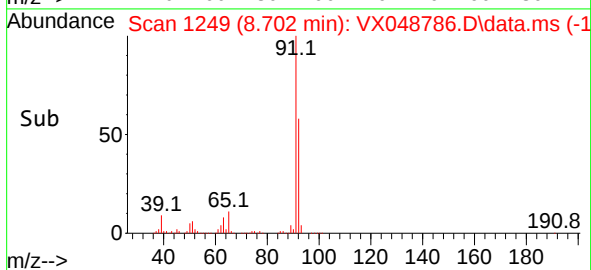
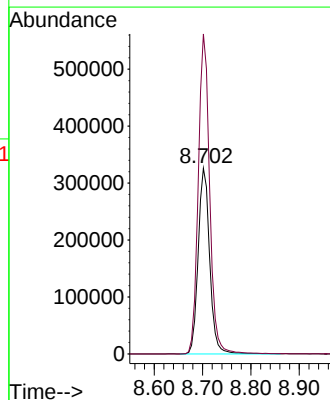
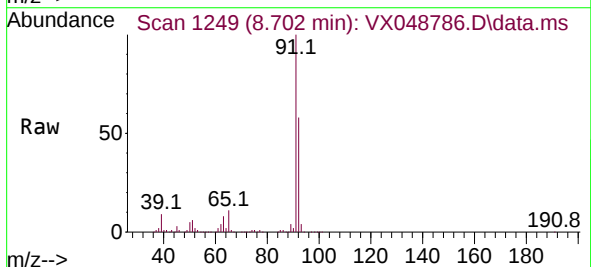
Instrument :
MSVOA_X
ClientSampleId :
CHASE-J

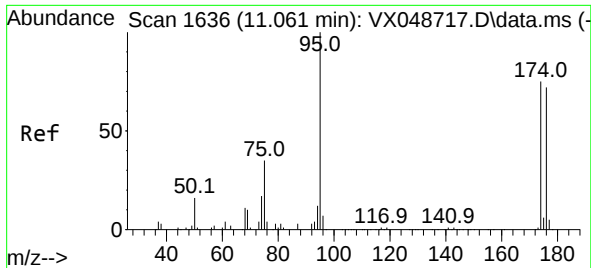
Tgt Ion: 43 Resp: 341291
Ion Ratio Lower Upper
43 100
58 34.5 32.2 48.4



#52
Toluene
Concen: 75.164 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

Tgt Ion: 92 Resp: 536815
Ion Ratio Lower Upper
92 100
91 170.8 136.3 204.5

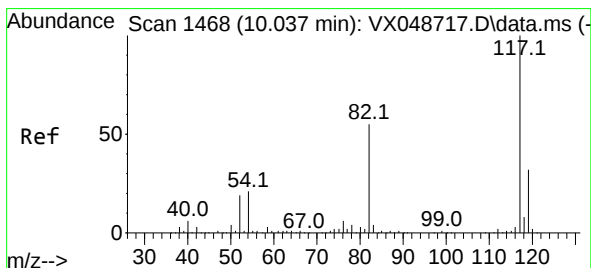
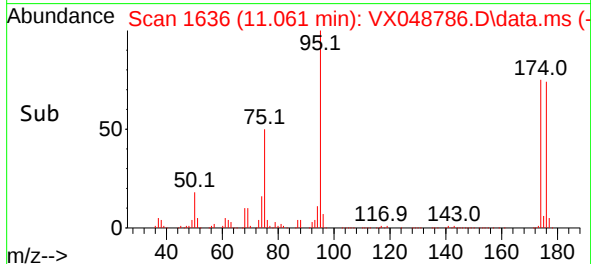
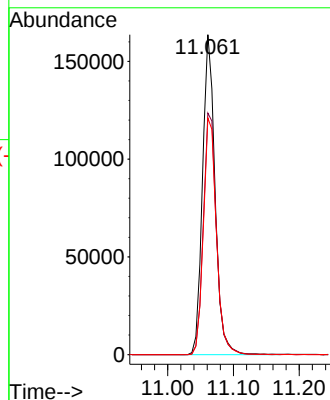
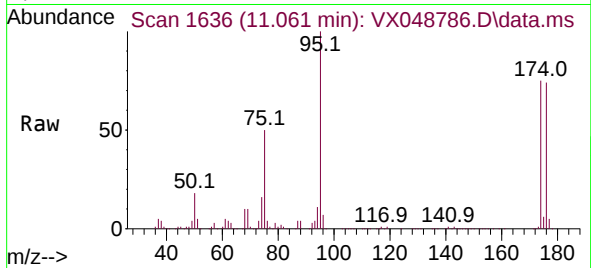




#62
4-Bromofluorobenzene
Concen: 61.516 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

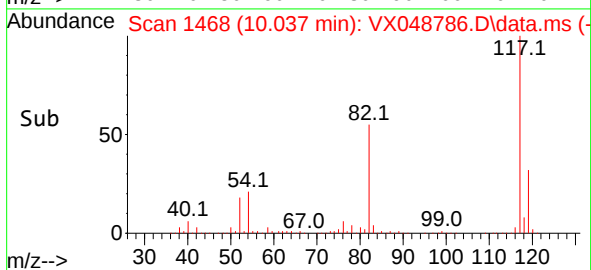
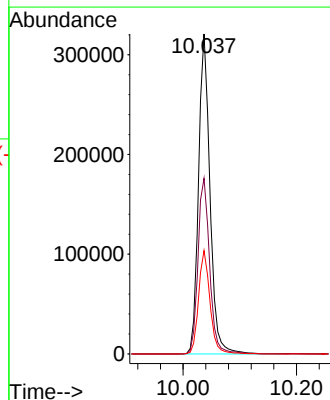
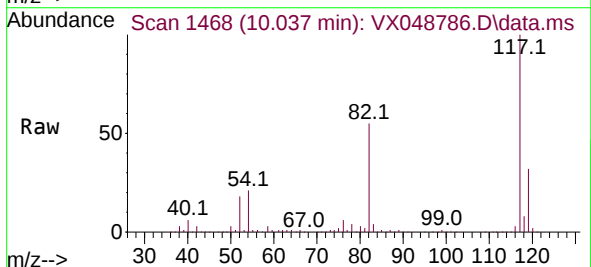
Instrument :
MSVOA_X
ClientSampleId :
CHASE-J

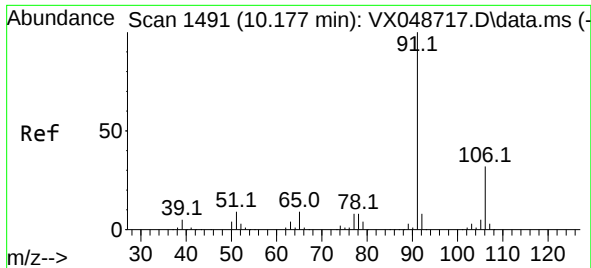
Tgt Ion: 95 Resp: 216901
Ion Ratio Lower Upper
95 100
174 78.6 0.0 157.8
176 76.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

Tgt Ion: 117 Resp: 448489
Ion Ratio Lower Upper
117 100
82 54.9 44.1 66.1
119 32.3 25.2 37.8

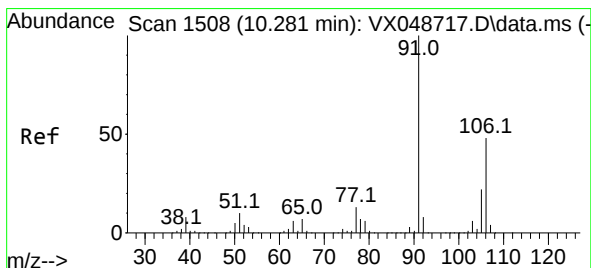
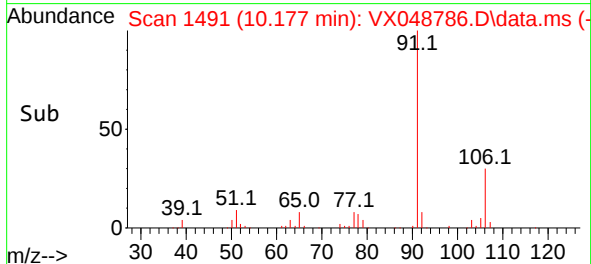
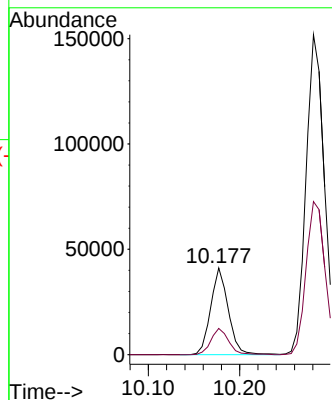
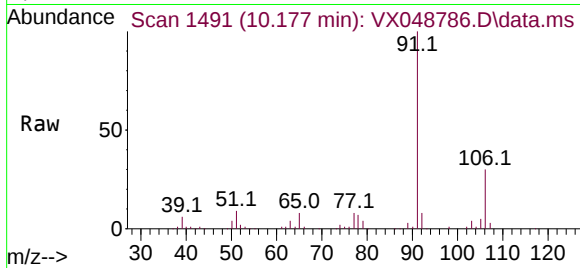




#67
Ethyl Benzene
Concen: 3.439 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

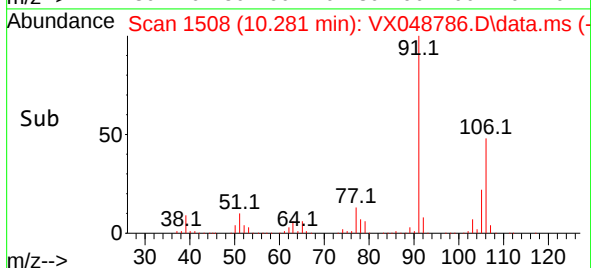
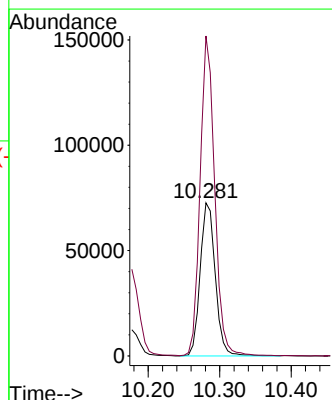
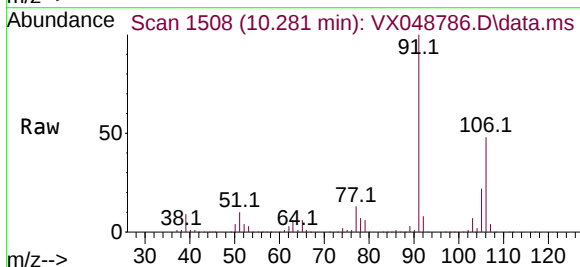
Instrument :
MSVOA_X
ClientSampleId :
CHASE-J

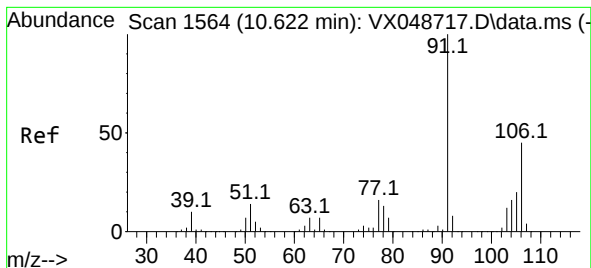
Tgt Ion: 91 Resp: 55086
Ion Ratio Lower Upper
91 100
106 30.2 25.3 37.9



#68
m/p-Xylenes
Concen: 17.075 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VX048786.D
Acq: 09 Dec 2025 15:49

Tgt Ion: 106 Resp: 106549
Ion Ratio Lower Upper
106 100
91 202.4 164.2 246.4





#69

o-Xylene

Concen: 12.534 ug/l

RT: 10.622 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048786.D

Acq: 09 Dec 2025 15:49

Instrument :

MSVOA_X

ClientSampleId :

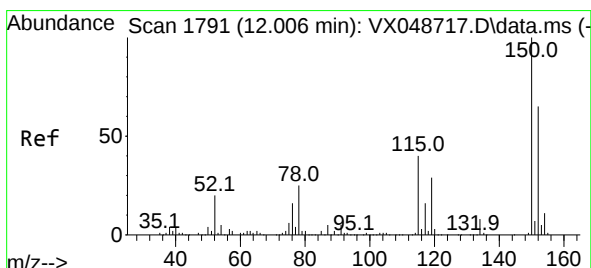
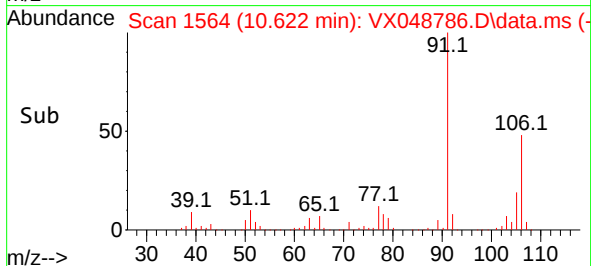
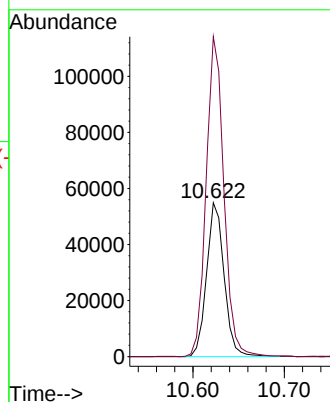
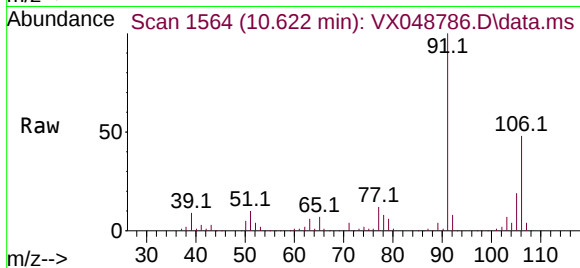
CHASE-J

Tgt Ion:106 Resp: 73291

Ion Ratio Lower Upper

106 100

91 210.6 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048786.D

Acq: 09 Dec 2025 15:49

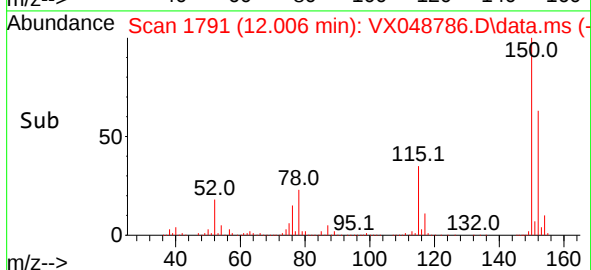
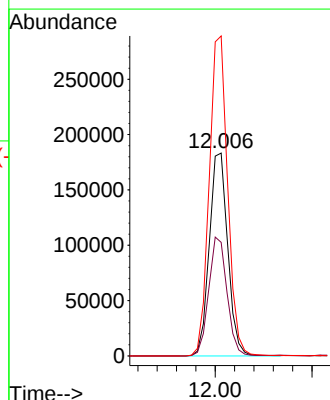
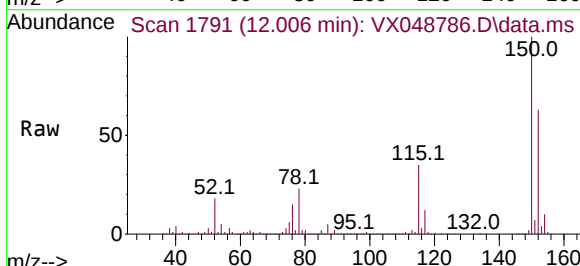
Tgt Ion:152 Resp: 242407

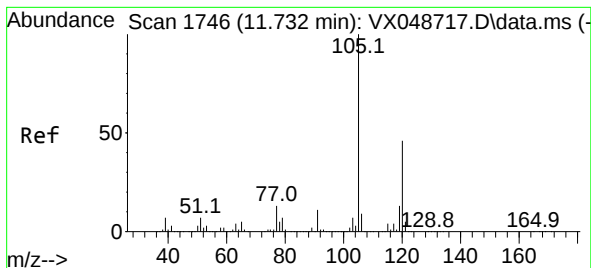
Ion Ratio Lower Upper

152 100

115 57.9 42.1 126.4

150 157.6 0.0 347.8





#84

1,2,4-Trimethylbenzene

Concen: 4.659 ug/l

RT: 11.732 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048786.D

Acq: 09 Dec 2025 15:49

Instrument :

MSVOA_X

ClientSampleId :

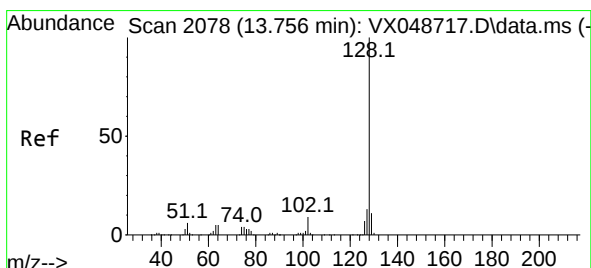
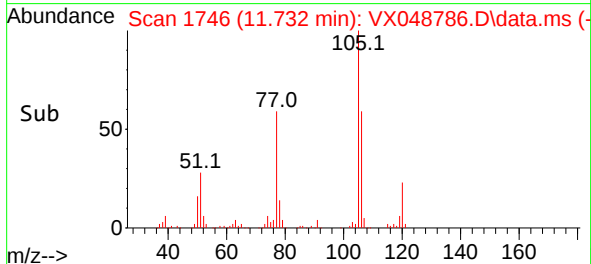
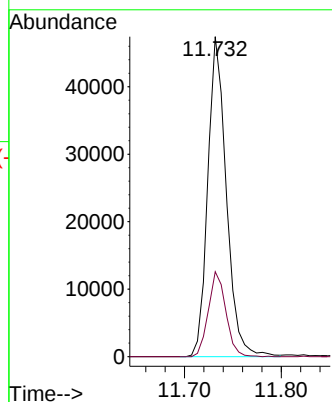
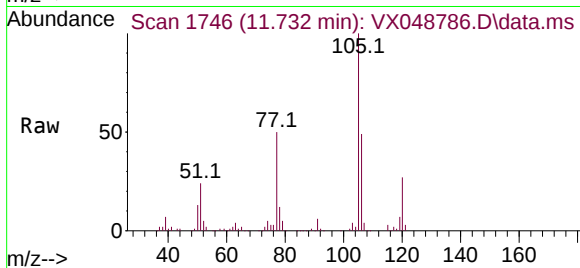
CHASE-J

Tgt Ion:105 Resp: 63103

Ion Ratio Lower Upper

105 100

120 25.0 22.3 66.8



#95

Naphthalene

Concen: 26.695 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. 0.000 min

Lab File: VX048786.D

Acq: 09 Dec 2025 15:49

Tgt Ion:128 Resp: 361957

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.7 8.6 13.0

