

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048803.D
 Acq On : 10 Dec 2025 12:28
 Operator : JC/MD
 Sample : Q3803-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-K

Quant Time: Dec 10 12:46:33 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)

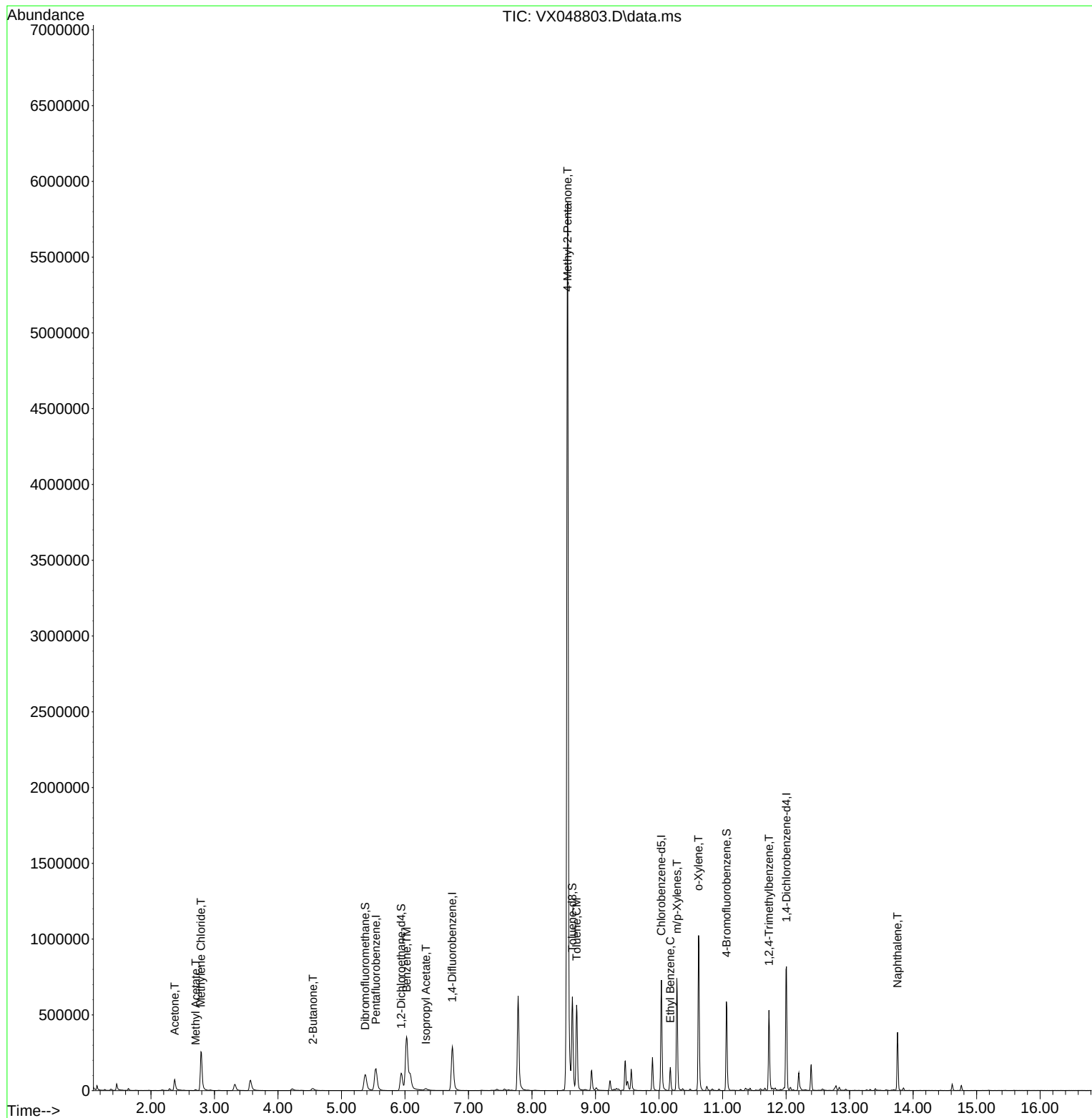
Internal Standards						
1) Pentafluorobenzene	5.544	168	154347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	328540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	342686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	188253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	126772	61.195	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 122.380%#	
35) Dibromofluoromethane	5.373	113	108281	47.867	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.740%	
50) Toluene-d8	8.635	98	354977	44.767	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 89.540%#	
62) 4-Bromofluorobenzene	11.061	95	164862	60.293	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.580%	
Target Compounds						
					Qvalue	
16) Acetone	2.373	43	94076	118.624	ug/l	97
18) Methyl Acetate	2.703	43	7667	3.436	ug/l	99
20) Methylene Chloride	2.788	84	135947	68.582	ug/l	98
25) 2-Butanone	4.550	43	25874	22.106	ug/l	91
40) Benzene	6.025	78	476863	51.919	ug/l	99
43) Isopropyl Acetate	6.330	43	15482	2.762	ug/l	95
51) 4-Methyl-2-Pentanone	8.561	43	3891029	1118.247	ug/l	99
52) Toluene	8.702	92	221045	39.910	ug/l	99
67) Ethyl Benzene	10.177	91	92267	7.538	ug/l	98
68) m/p-Xylenes	10.281	106	175928	36.898	ug/l	100
69) o-Xylene	10.622	106	225926	50.568	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	155771	14.809	ug/l #	40
95) Naphthalene	13.756	128	235328	22.478	ug/l	100

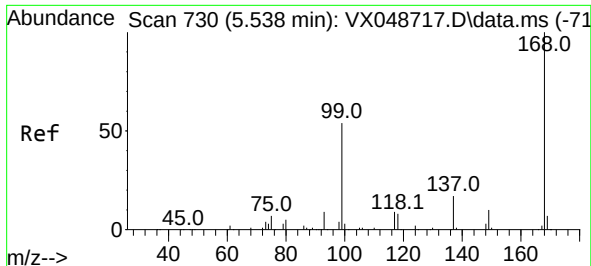
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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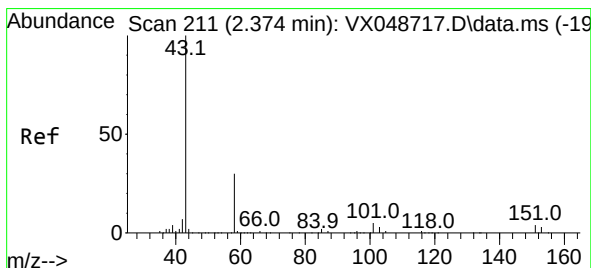
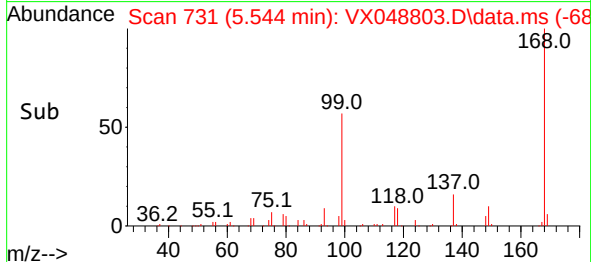
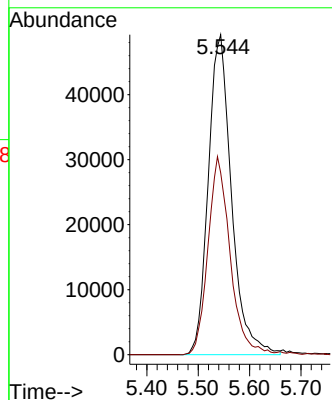
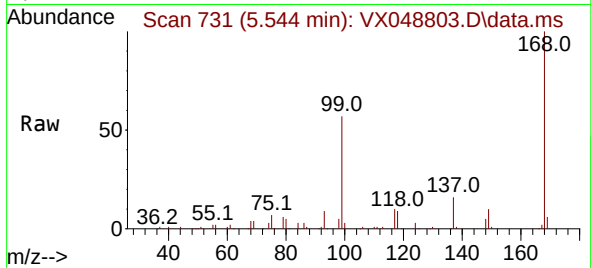




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

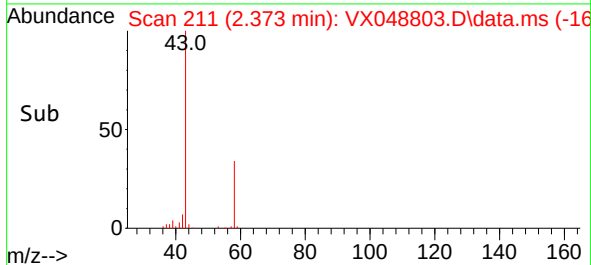
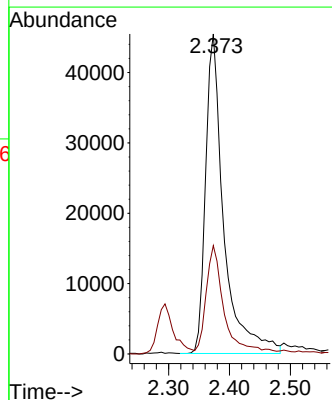
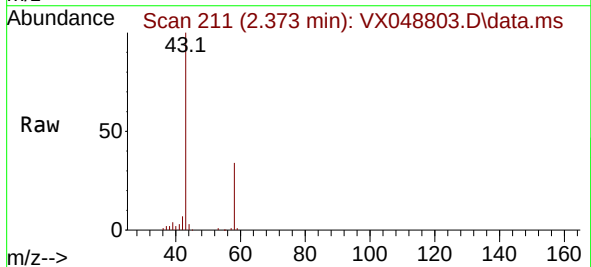
Instrument :
MSVOA_X
ClientSampleId :
CHASE-K

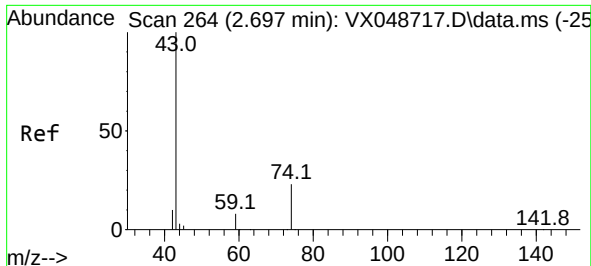
Tgt Ion:168 Resp: 154347
Ion Ratio Lower Upper
168 100
99 56.9 44.2 66.4



#16
Acetone
Concen: 118.624 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

Tgt Ion: 43 Resp: 94076
Ion Ratio Lower Upper
43 100
58 32.9 25.0 37.4





#18

Methyl Acetate

Concen: 3.436 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX048803.D

Acq: 10 Dec 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

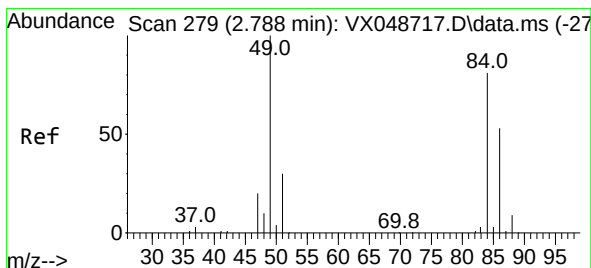
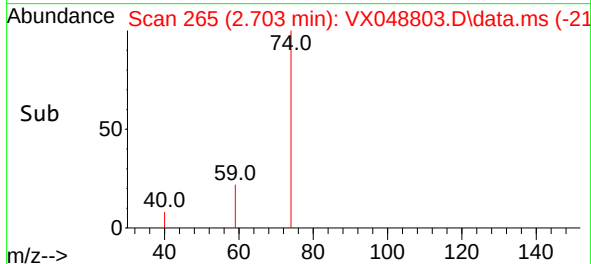
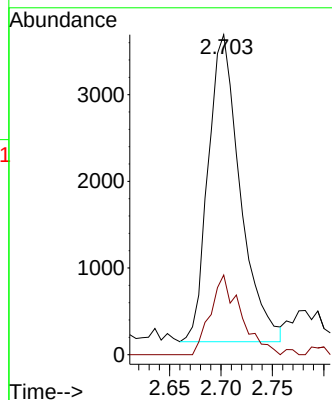
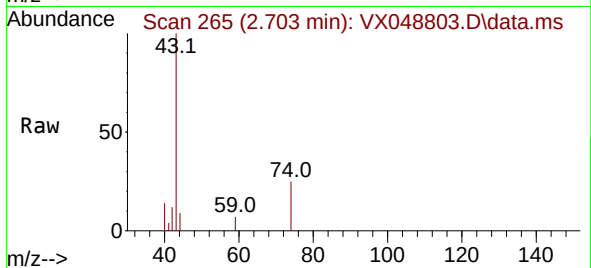
CHASE-K

Tgt Ion: 43 Resp: 7667

Ion Ratio Lower Upper

43 100

74 24.6 19.2 28.8



#20

Methylene Chloride

Concen: 68.582 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX048803.D

Acq: 10 Dec 2025 12:28

Tgt Ion: 84 Resp: 135947

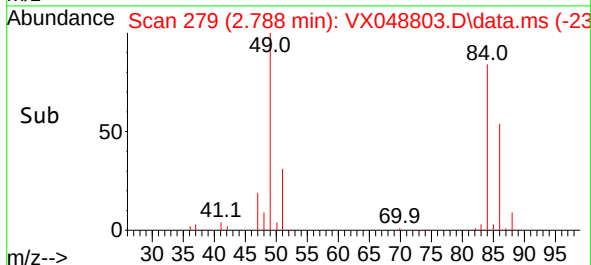
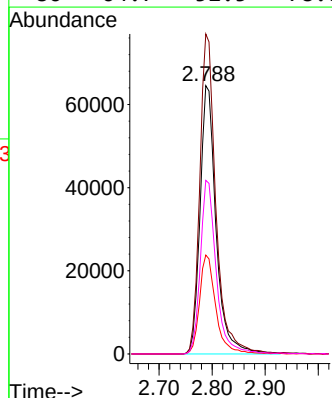
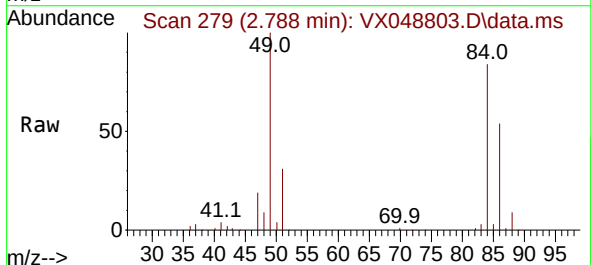
Ion Ratio Lower Upper

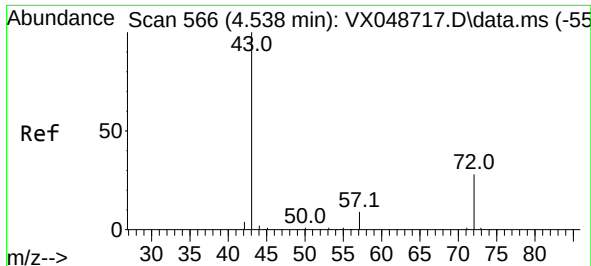
84 100

49 119.3 98.7 148.1

51 36.8 29.4 44.2

86 64.7 52.5 78.7

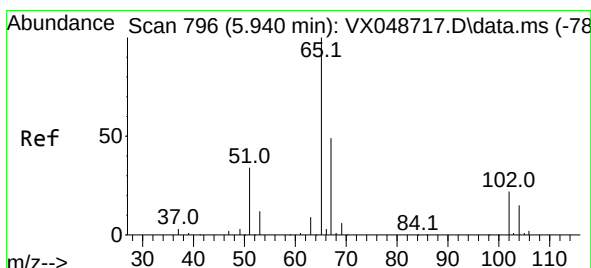
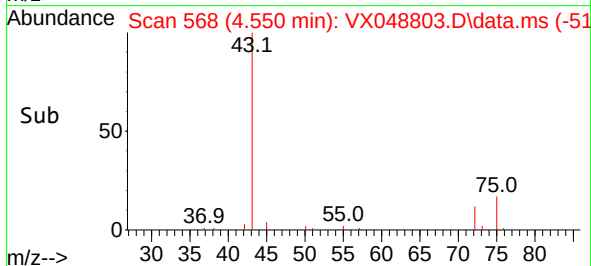
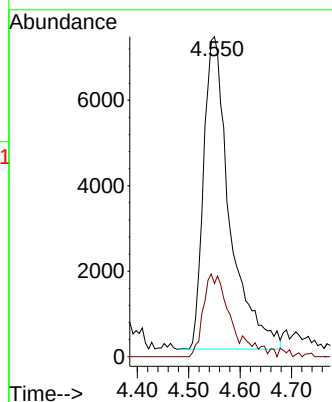
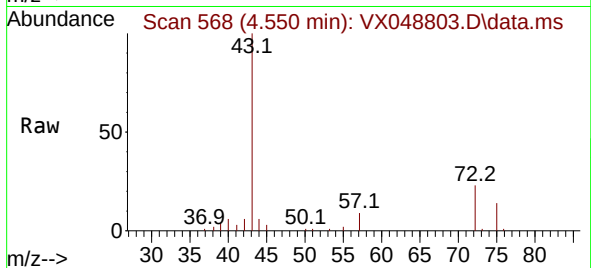




#25
2-Butanone
Concen: 22.106 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

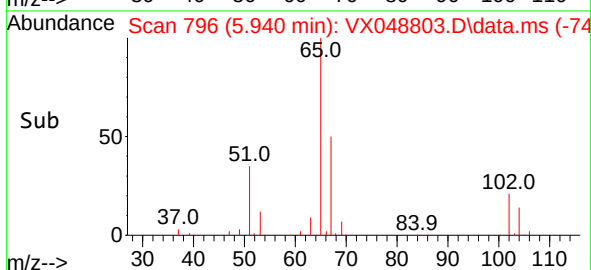
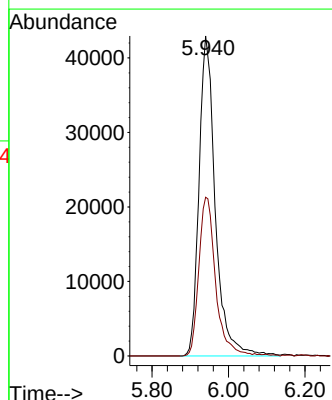
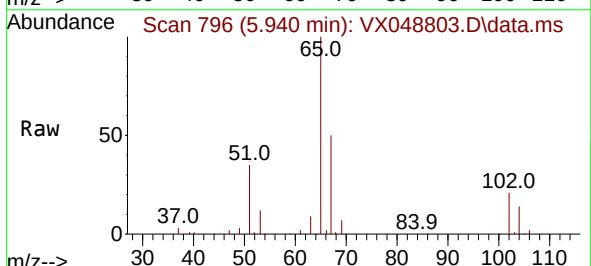
Instrument :
MSVOA_X
ClientSampleId :
CHASE-K

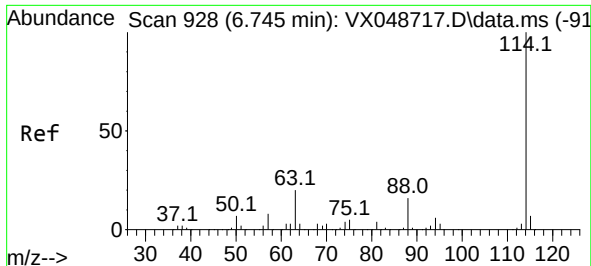
Tgt Ion: 43 Resp: 25874
Ion Ratio Lower Upper
43 100
72 23.4 22.6 34.0



#33
1,2-Dichloroethane-d4
Concen: 61.195 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

Tgt Ion: 65 Resp: 126772
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

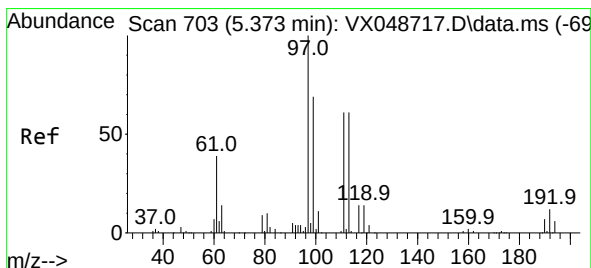
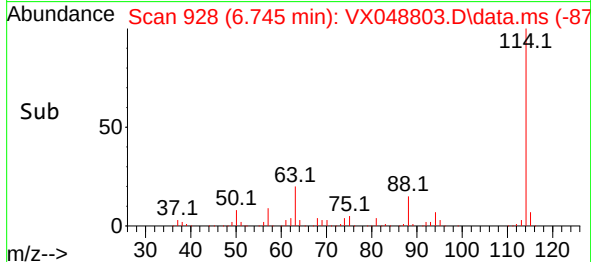
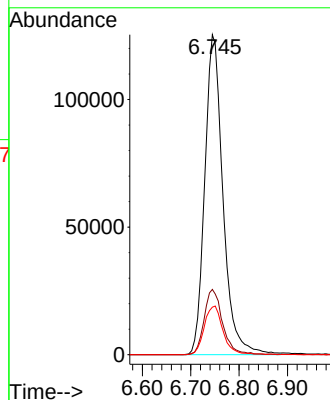
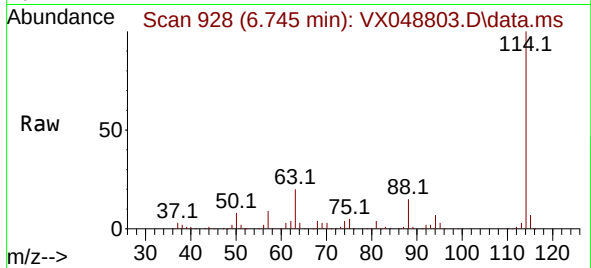




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

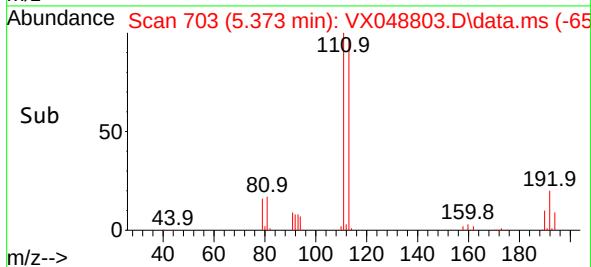
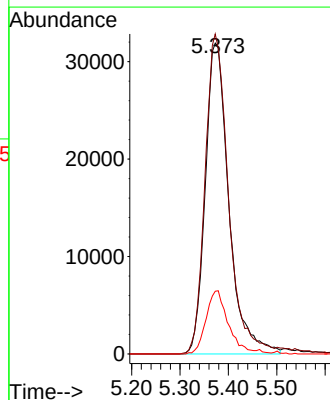
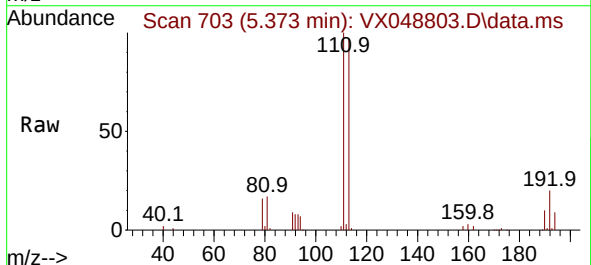
Instrument :
MSVOA_X
ClientSampleId :
CHASE-K

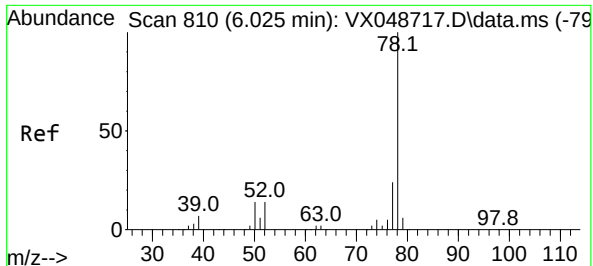
Tgt Ion:114 Resp: 328540
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.0
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.867 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

Tgt Ion:113 Resp: 108281
Ion Ratio Lower Upper
113 100
111 102.0 79.5 119.3
192 19.5 16.1 24.1

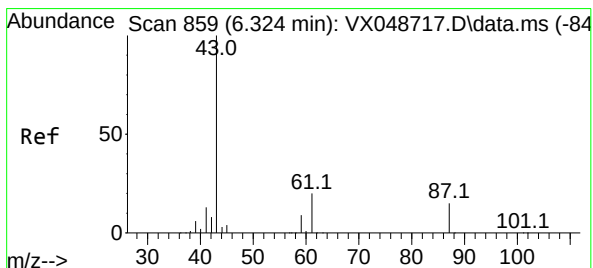
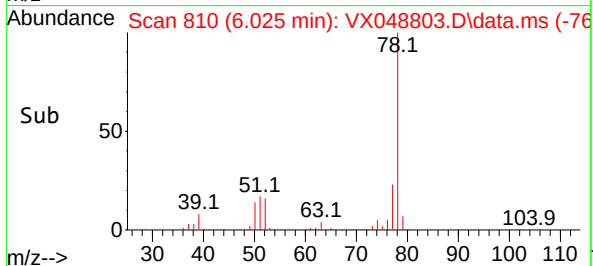
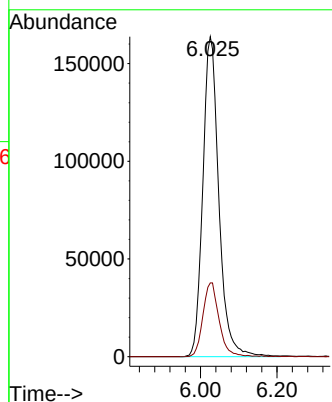
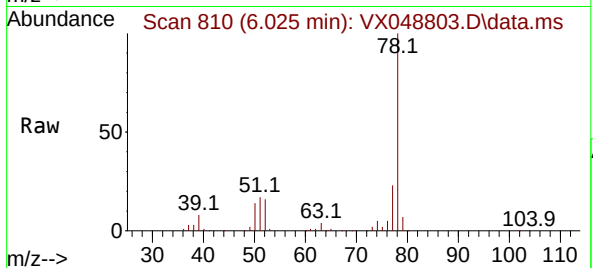




#40
Benzene
Concen: 51.919 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

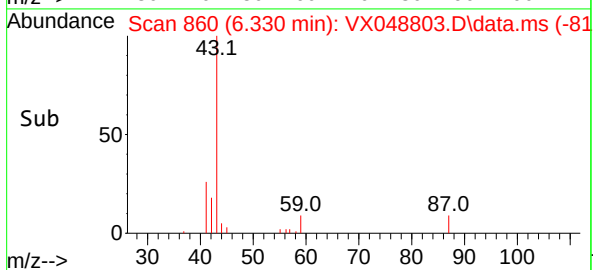
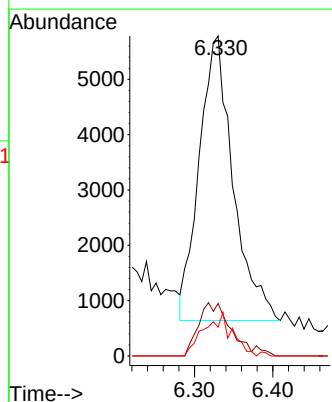
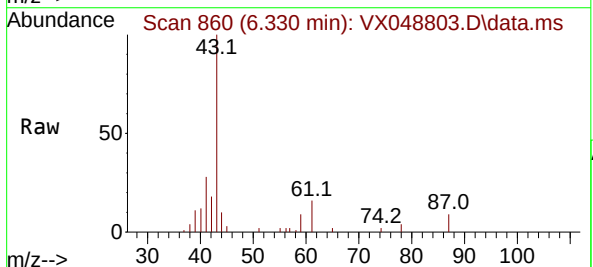
Instrument :
MSVOA_X
ClientSampleId :
CHASE-K

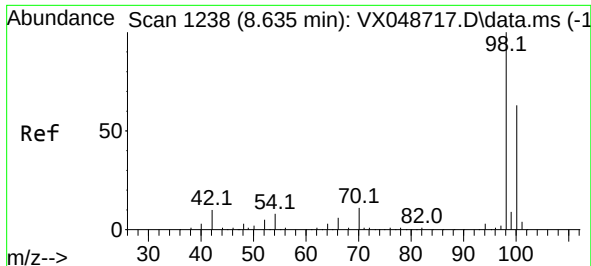
Tgt Ion: 78 Resp: 476863
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



#43
Isopropyl Acetate
Concen: 2.762 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

Tgt Ion: 43 Resp: 15482
Ion Ratio Lower Upper
43 100
61 18.4 16.8 25.2
87 12.5 11.8 17.6

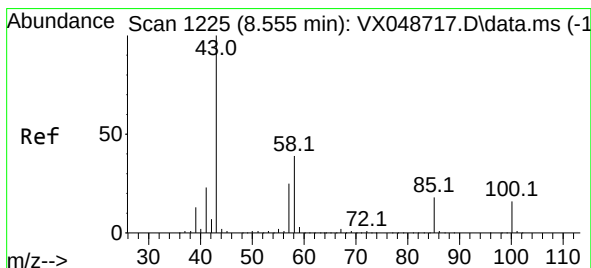
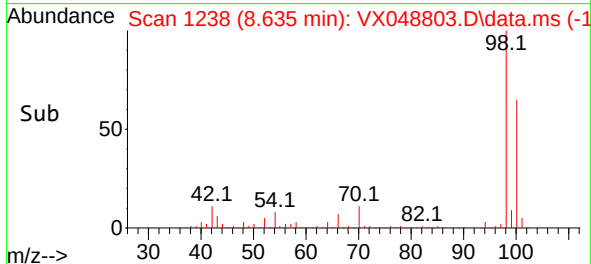
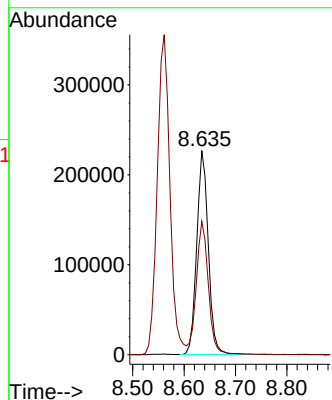
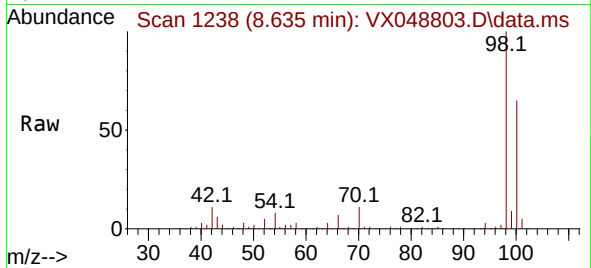




#50
Toluene-d8
Concen: 44.767 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

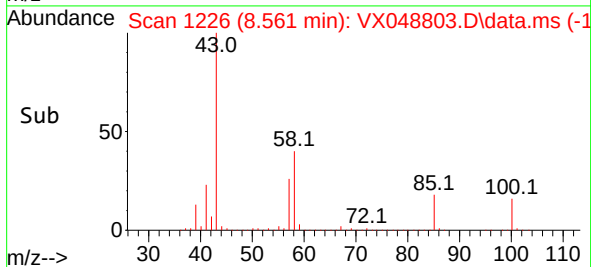
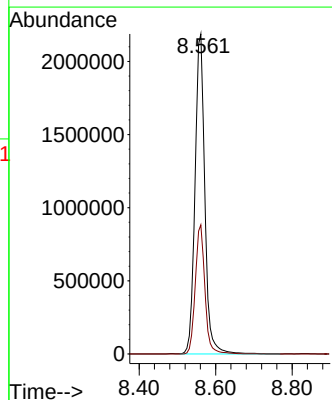
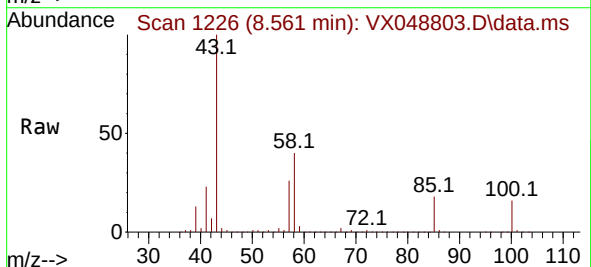
Instrument :
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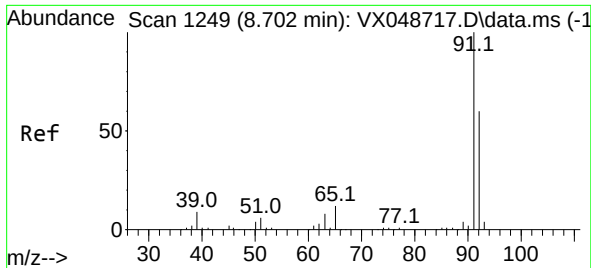
Tgt Ion: 98 Resp: 354977
Ion Ratio Lower Upper
98 100
100 68.3 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 1118.247 ug/l
RT: 8.561 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

Tgt Ion: 43 Resp: 3891029
Ion Ratio Lower Upper
43 100
58 39.7 32.2 48.4

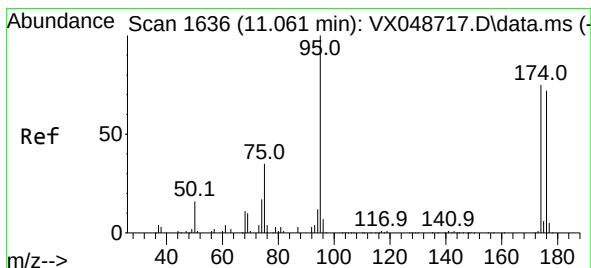
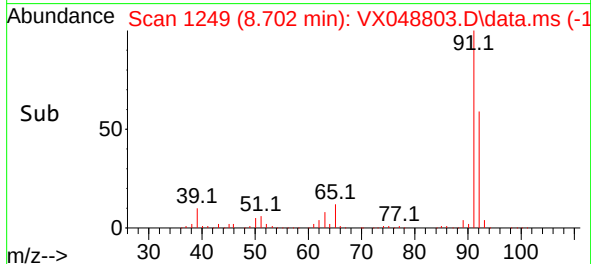
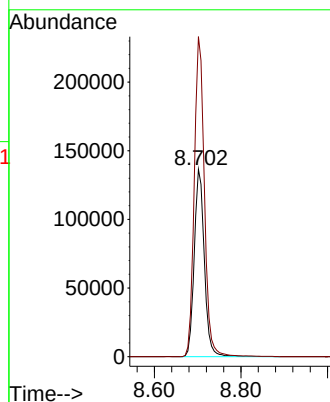
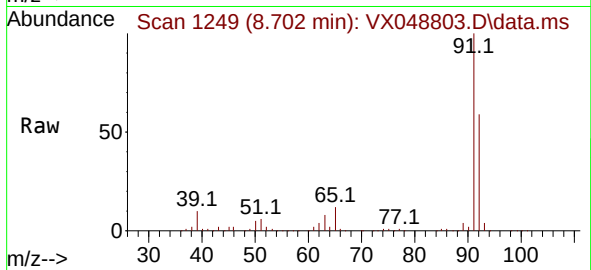




#52
Toluene
Concen: 39.910 ug/l
RT: 8.702 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

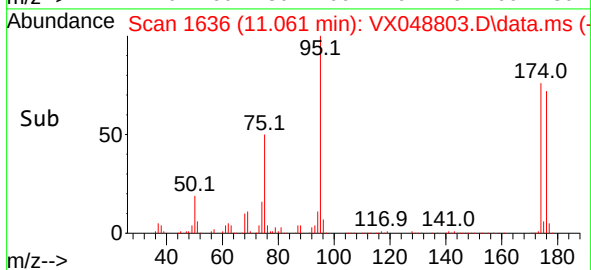
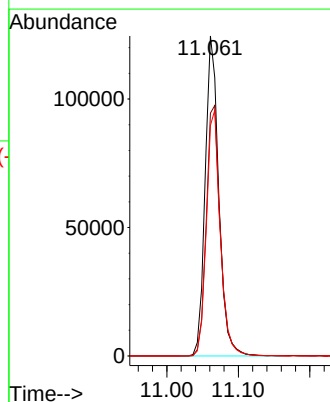
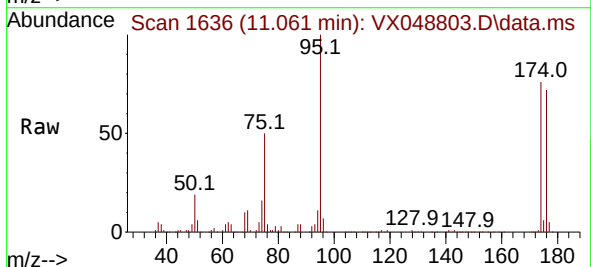
Instrument :
MSVOA_X
ClientSampleId :
CHASE-K

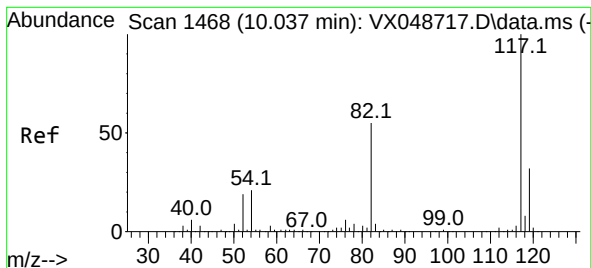
Tgt Ion: 92 Resp: 221045
Ion Ratio Lower Upper
92 100
91 171.4 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 60.293 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

Tgt Ion: 95 Resp: 164862
Ion Ratio Lower Upper
95 100
174 80.7 0.0 157.8
176 77.9 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: VX048803.D

Acq: 10 Dec 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

CHASE-K

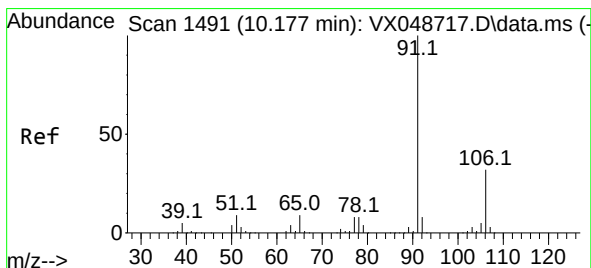
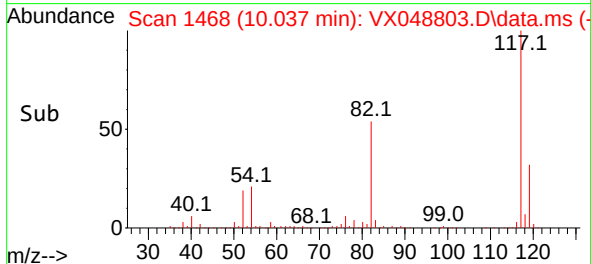
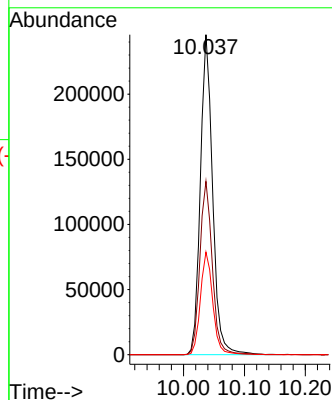
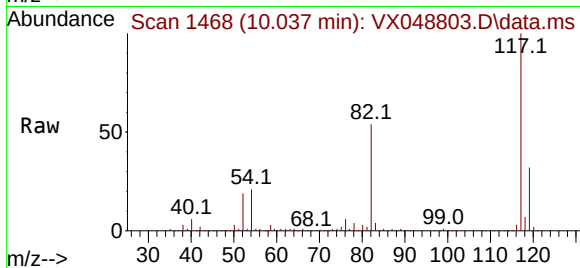
Tgt Ion:117 Resp: 342686

Ion Ratio Lower Upper

117 100

82 54.2 44.1 66.1

119 32.0 25.2 37.8



#67

Ethyl Benzene

Concen: 7.538 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048803.D

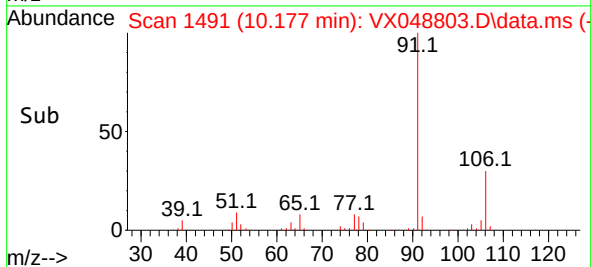
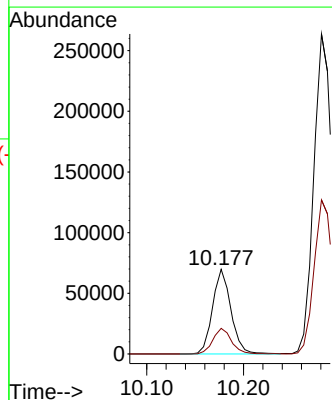
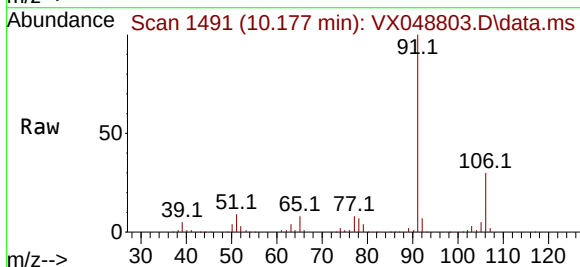
Acq: 10 Dec 2025 12:28

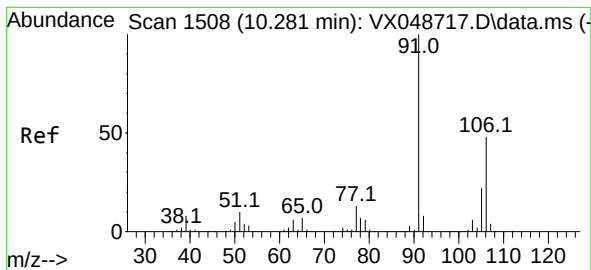
Tgt Ion: 91 Resp: 92267

Ion Ratio Lower Upper

91 100

106 30.3 25.3 37.9

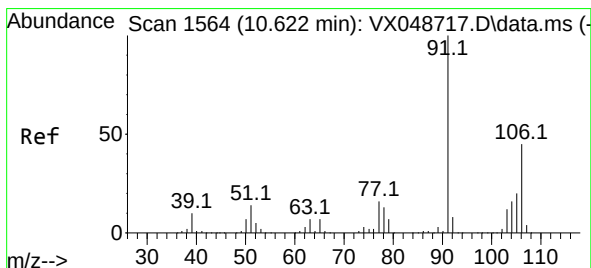
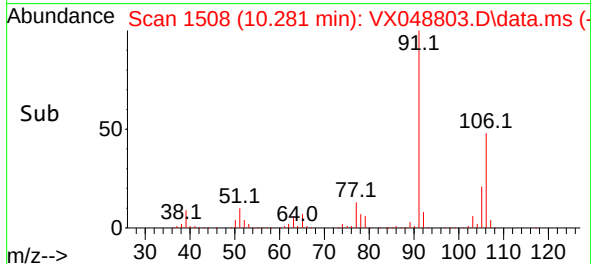
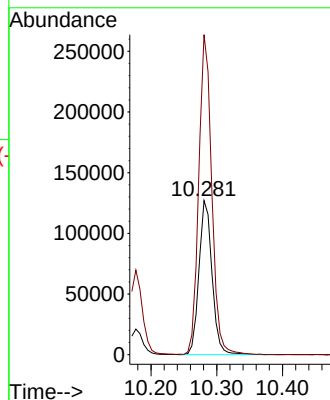
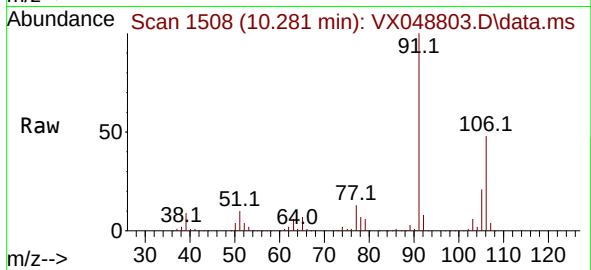




#68
m/p-Xylenes
Concen: 36.898 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

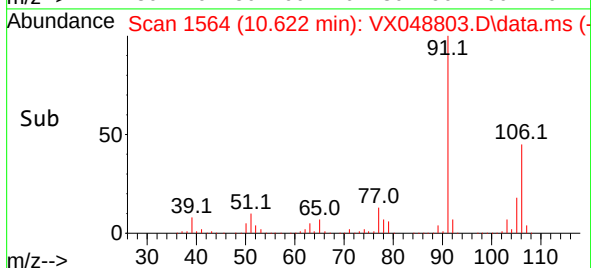
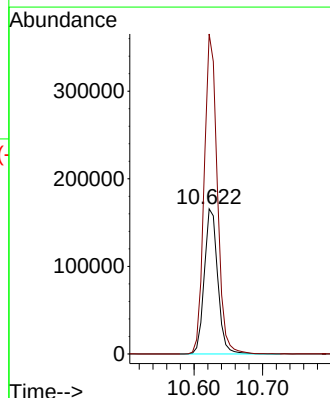
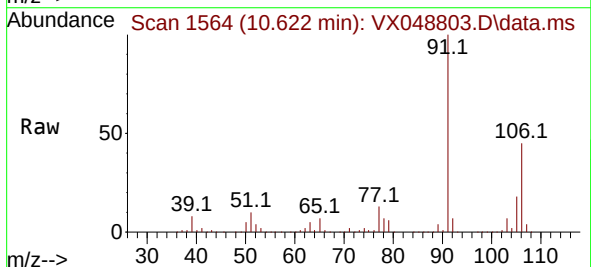
Instrument :
MSVOA_X
ClientSampleId :
CHASE-K

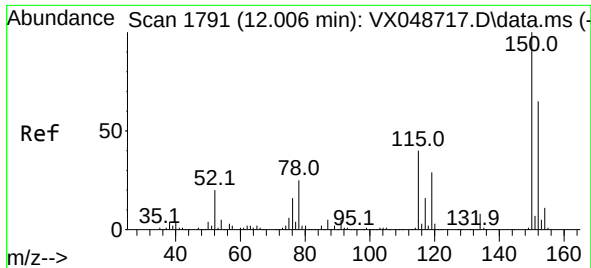
Tgt Ion:106 Resp: 175928
Ion Ratio Lower Upper
106 100
91 205.9 164.2 246.4



#69
o-Xylene
Concen: 50.568 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX048803.D
Acq: 10 Dec 2025 12:28

Tgt Ion:106 Resp: 225926
Ion Ratio Lower Upper
106 100
91 216.4 108.1 324.3

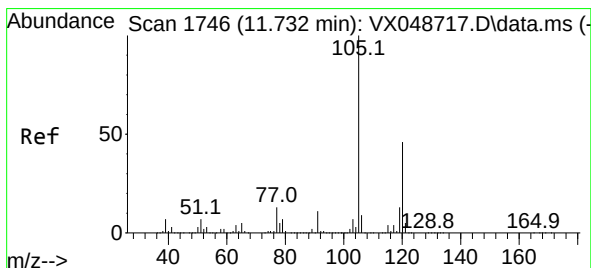
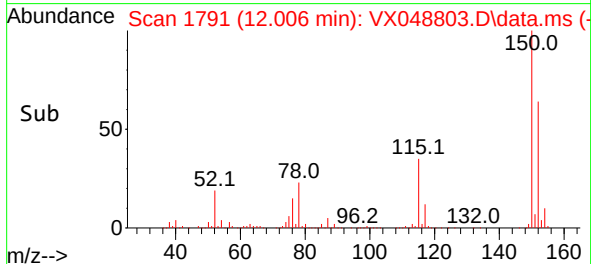
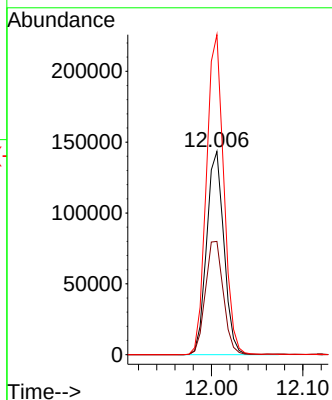
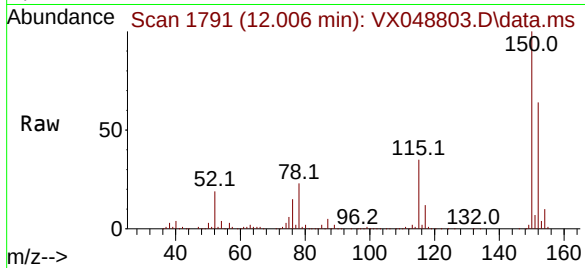




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048803.D
 Acq: 10 Dec 2025 12:28

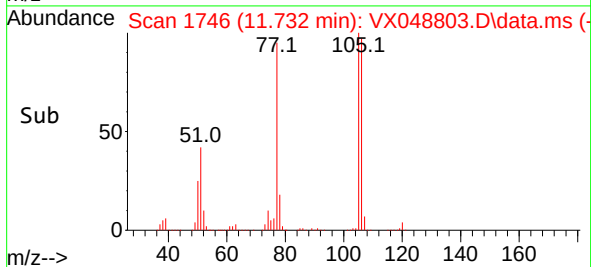
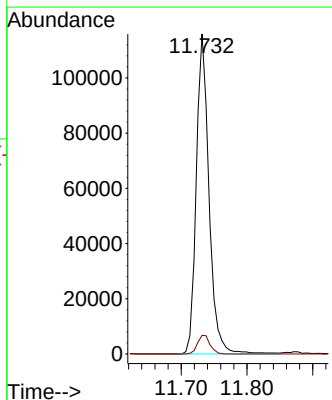
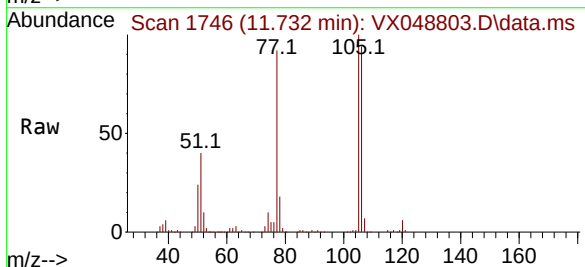
Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-K

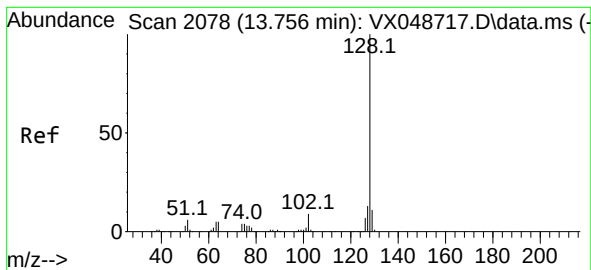
Tgt Ion:152 Resp: 188253
 Ion Ratio Lower Upper
 152 100
 115 58.0 42.1 126.4
 150 158.1 0.0 347.8



#84
 1,2,4-Trimethylbenzene
 Concen: 14.809 ug/l
 RT: 11.732 min Scan# 1746
 Delta R.T. -0.000 min
 Lab File: VX048803.D
 Acq: 10 Dec 2025 12:28

Tgt Ion:105 Resp: 155771
 Ion Ratio Lower Upper
 105 100
 120 5.7 22.3 66.8#





#95

Naphthalene

Concen: 22.478 ug/l

RT: 13.756 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX048803.D

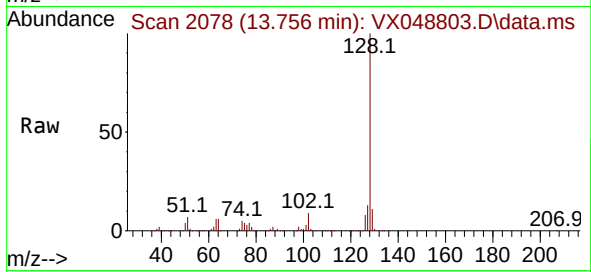
Acq: 10 Dec 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

CHASE-K



Tgt Ion:128 Resp: 235328

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.8 8.6 13.0

