

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048464.D
 Acq On : 03 Nov 2025 17:44
 Operator : JC/MD
 Sample : Q3500-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 461-LIQUID

Quant Time: Nov 04 00:17:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

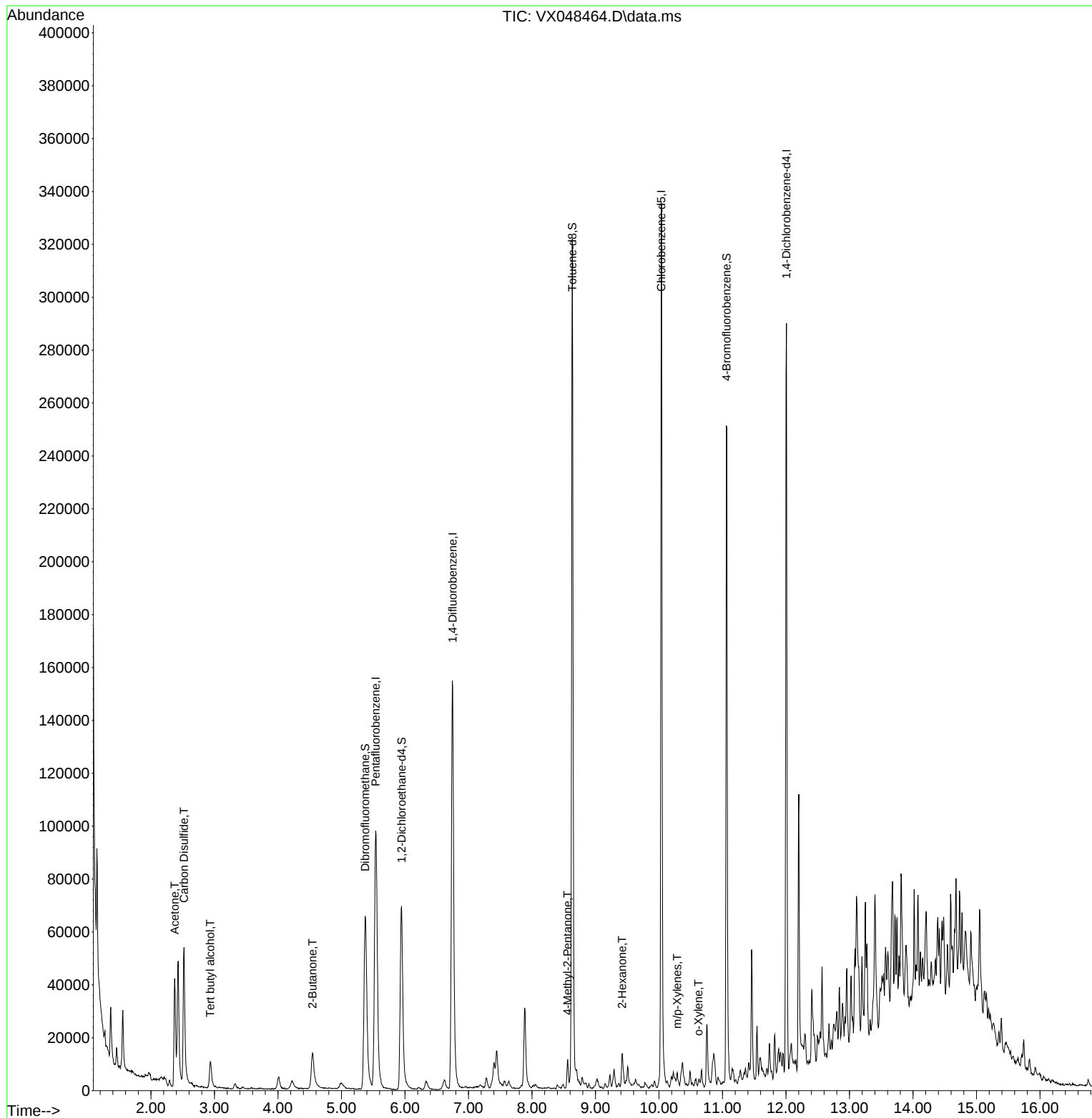
Internal Standards						
1) Pentafluorobenzene	5.538	168	107271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	180604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	151476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	59323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76349	49.490	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.980%
35) Dibromofluoromethane	5.373	113	66078	64.173	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	128.340%#
50) Toluene-d8	8.635	98	196298	43.187	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	86.380%#
62) 4-Bromofluorobenzene	11.061	95	71706	42.172	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.340%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.934	59	13500	114.219	ug/l	96
16) Acetone	2.374	43	54392	155.562	ug/l	99
17) Carbon Disulfide	2.520	76	54834	15.317	ug/l	100
25) 2-Butanone	4.544	43	21542	38.566	ug/l #	89
51) 4-Methyl-2-Pentanone	8.562	43	7449	5.503	ug/l	98
59) 2-Hexanone	9.421	43	7790	8.844	ug/l	97
68) m/p-Xylenes	10.287	106	898	0.404	ug/l	99
69) o-Xylene	10.622	106	526	0.247	ug/l	68

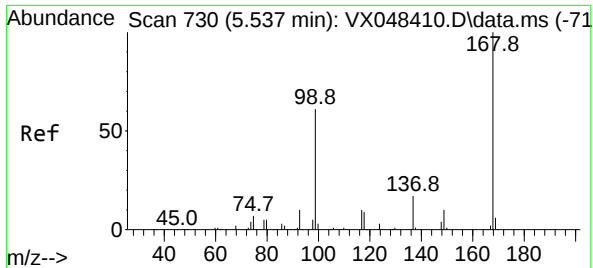
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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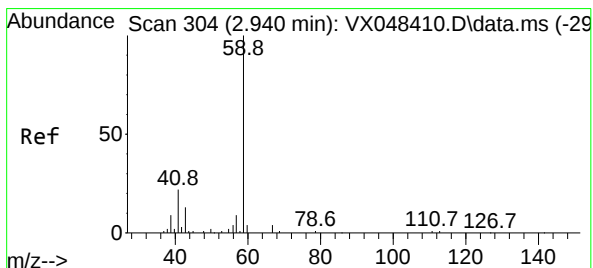
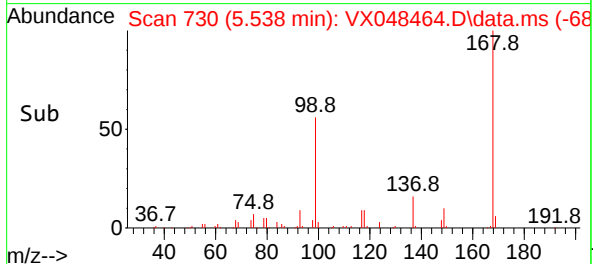
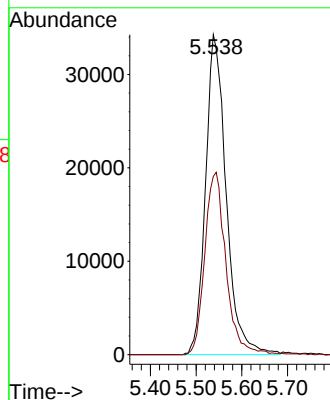
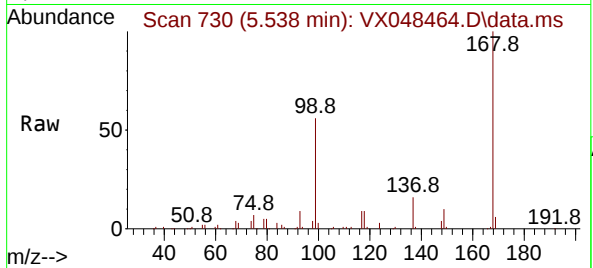




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

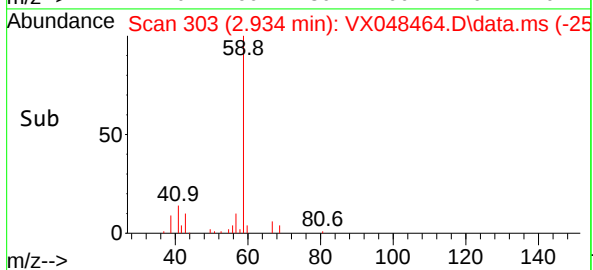
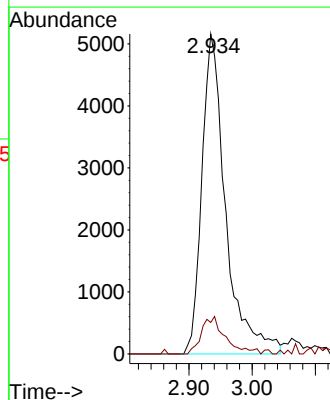
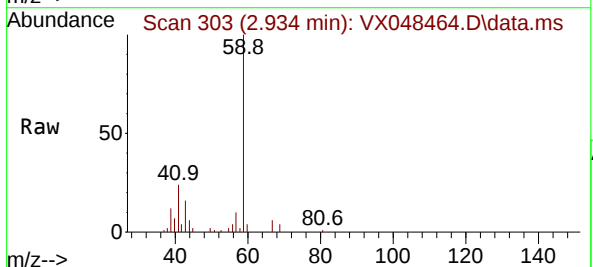
Instrument :
MSVOA_X
ClientSampleId :
461-LIQUID

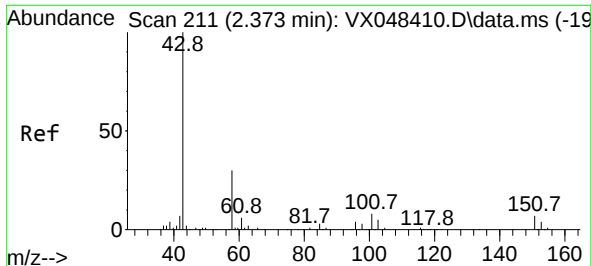
Tgt Ion:168 Resp: 107271
Ion Ratio Lower Upper
168 100
99 55.7 46.4 69.6



#11
Tert butyl alcohol
Concen: 114.219 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 59 Resp: 13500
Ion Ratio Lower Upper
59 100
57 11.7 8.2 12.4

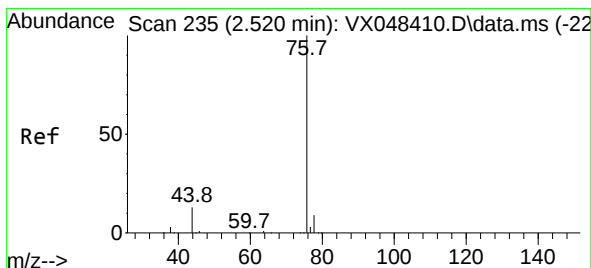
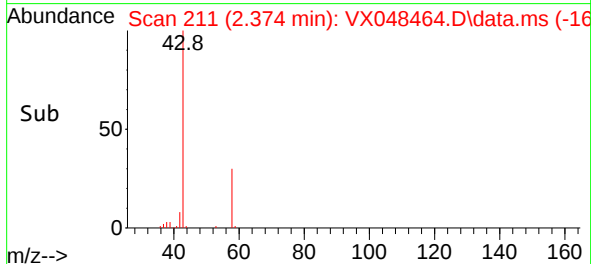
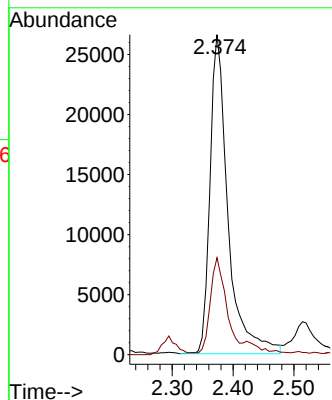
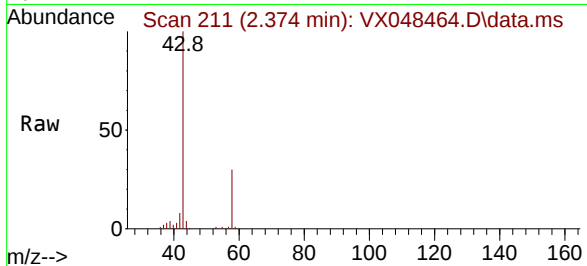




#16
Acetone
Concen: 155.562 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

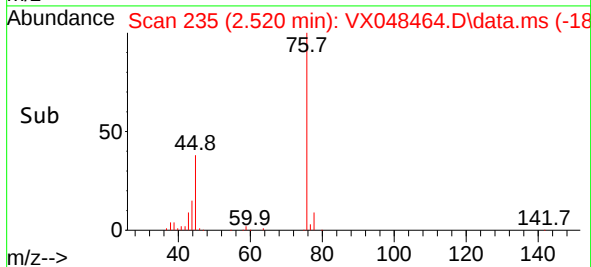
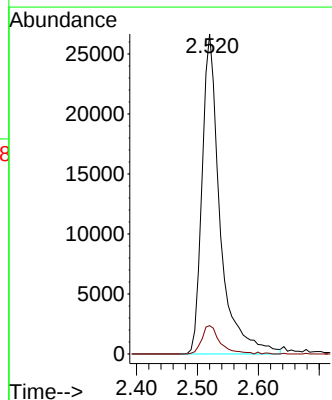
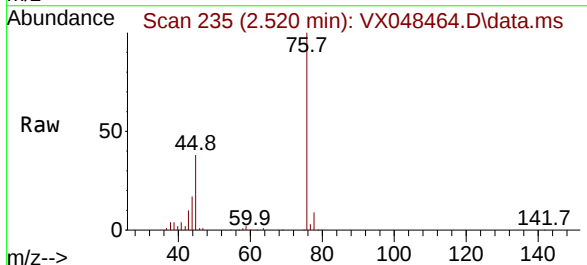
Instrument :
MSVOA_X
ClientSampleId :
461-LIQUID

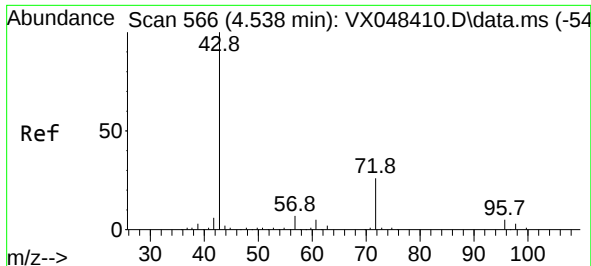
Tgt Ion: 43 Resp: 54392
Ion Ratio Lower Upper
43 100
58 29.6 23.4 35.2



#17
Carbon Disulfide
Concen: 15.317 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 76 Resp: 54834
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7





#25

2-Butanone

Concen: 38.566 ug/l

RT: 4.544 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX048464.D

Acq: 03 Nov 2025 17:44

Instrument :

MSVOA_X

ClientSampleId :

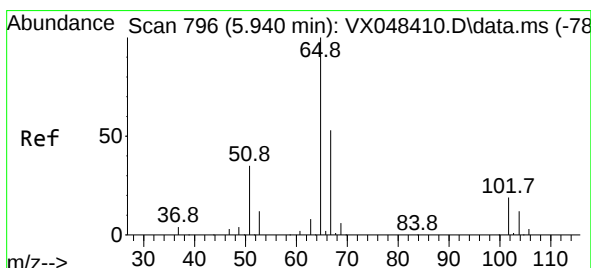
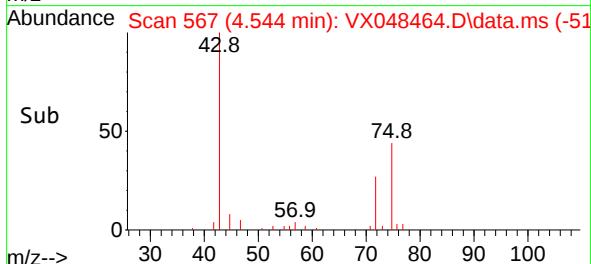
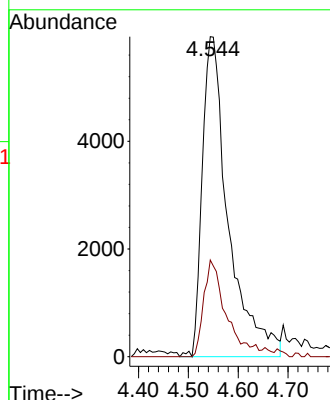
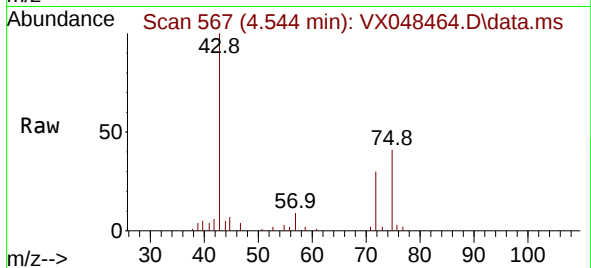
461-LIQUID

Tgt Ion: 43 Resp: 21542

Ion Ratio Lower Upper

43 100

72 30.2 19.9 29.9#



#33

1,2-Dichloroethane-d4

Concen: 49.490 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX048464.D

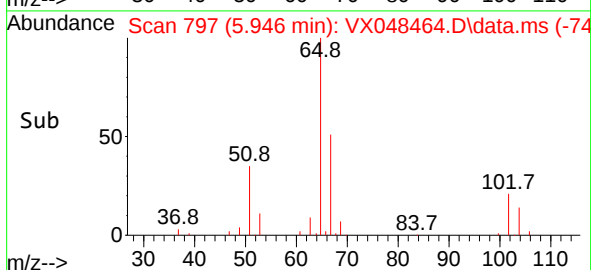
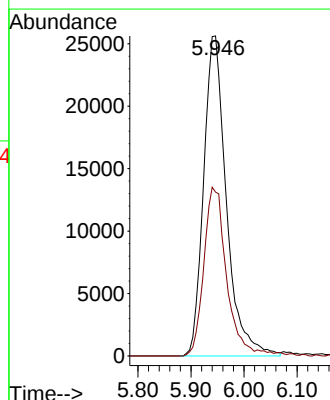
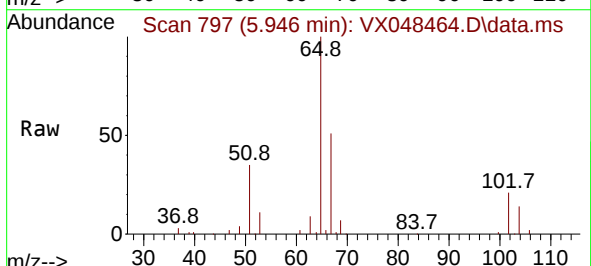
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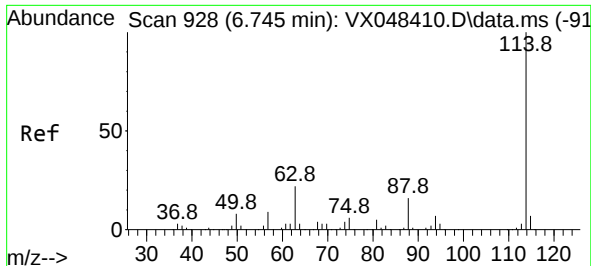
Tgt Ion: 65 Resp: 76349

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.0

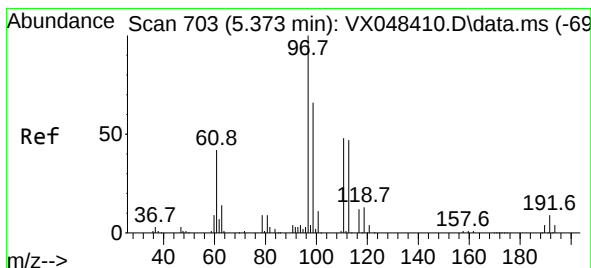
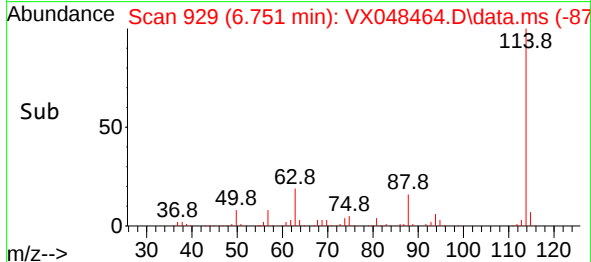
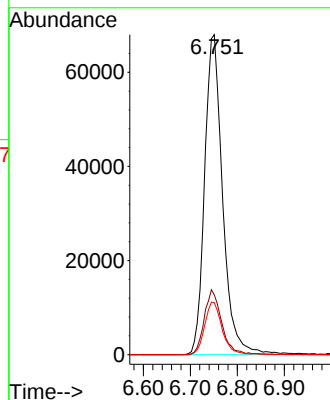
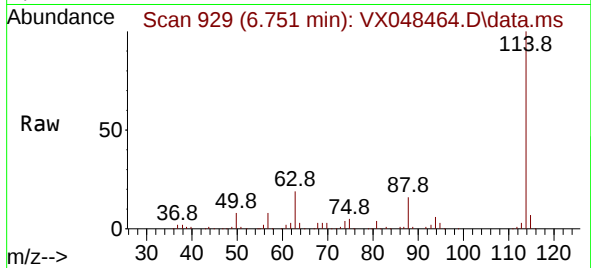




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

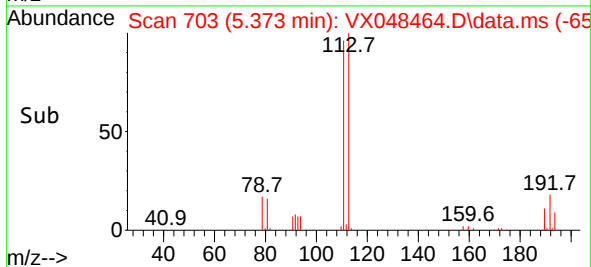
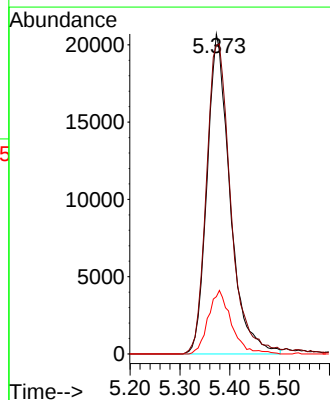
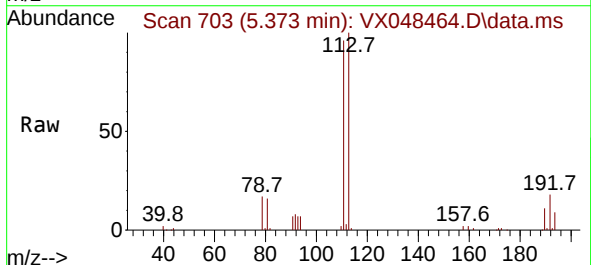
Instrument :
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ClientSampleId :
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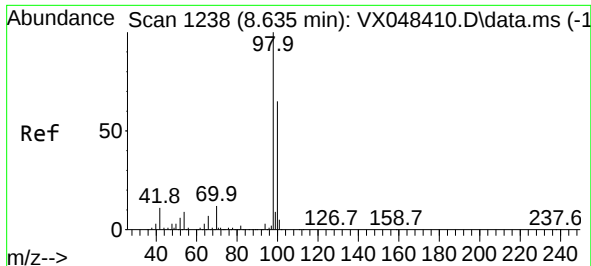
Tgt Ion:114 Resp: 180604
Ion Ratio Lower Upper
114 100
63 18.7 0.0 43.2
88 16.3 0.0 33.6



#35
Dibromofluoromethane
Concen: 64.173 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion:113 Resp: 66078
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 20.1 15.1 22.7

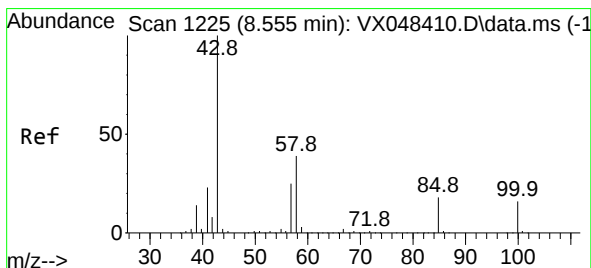
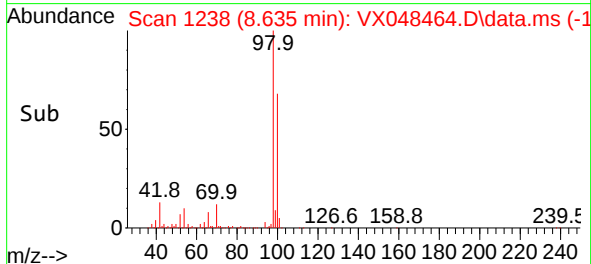
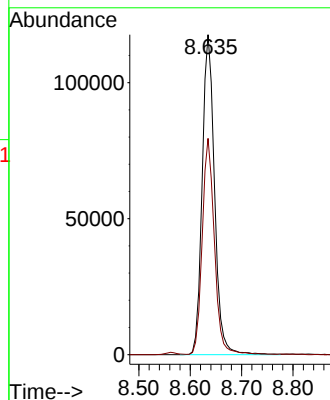
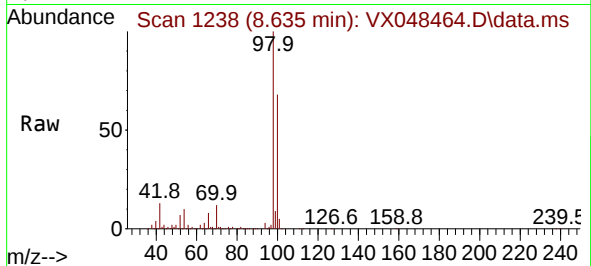




#50
Toluene-d8
Concen: 43.187 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

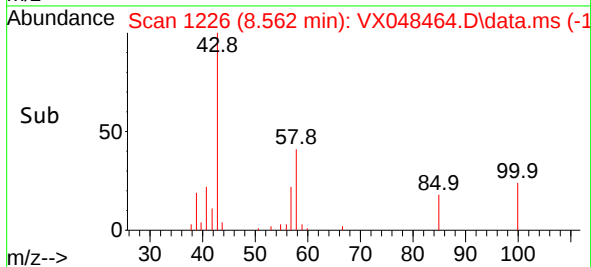
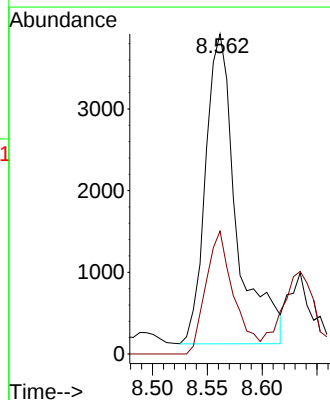
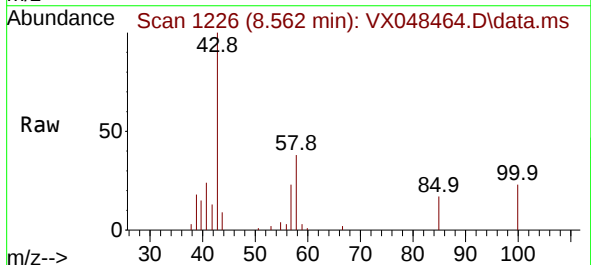
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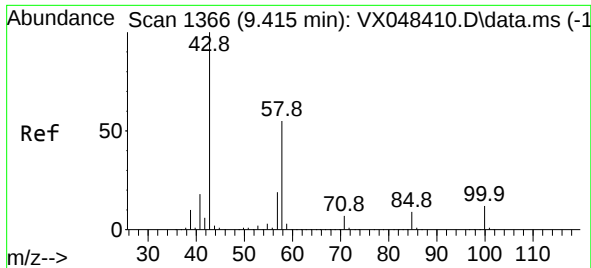
Tgt Ion: 98 Resp: 196298
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 5.503 ug/l
RT: 8.562 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 43 Resp: 7449
Ion Ratio Lower Upper
43 100
58 35.8 29.5 44.3

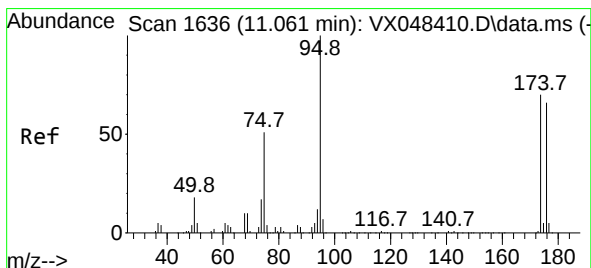
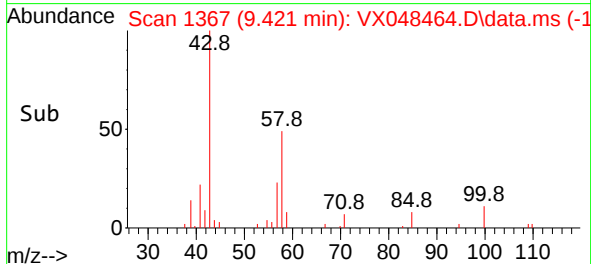
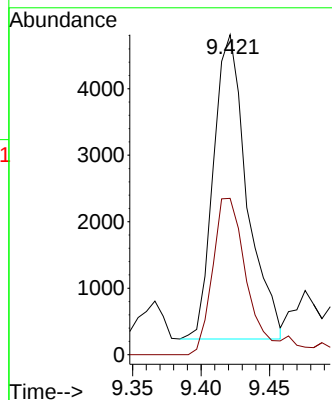
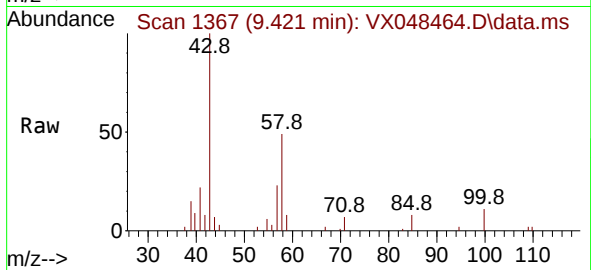




#59
2-Hexanone
Concen: 8.844 ug/l
RT: 9.421 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

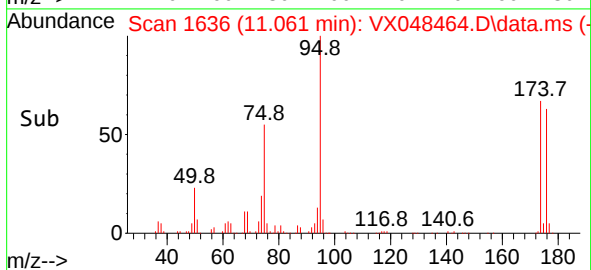
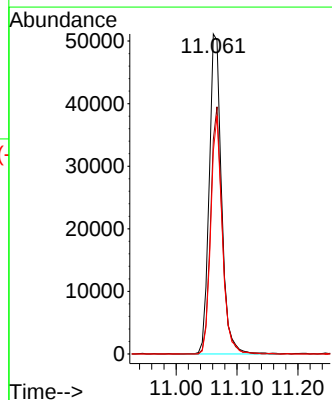
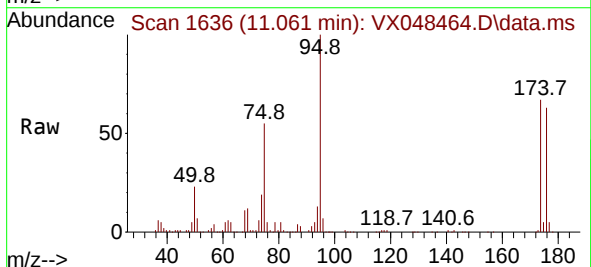
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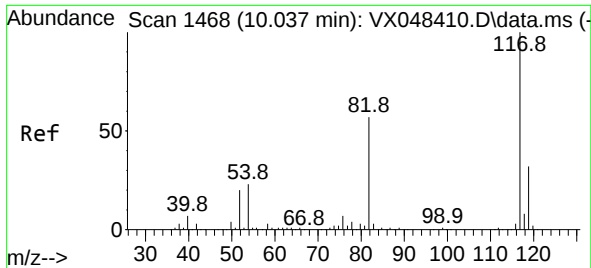
Tgt Ion: 43 Resp: 7790
Ion Ratio Lower Upper
43 100
58 54.8 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 42.172 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 95 Resp: 71706
Ion Ratio Lower Upper
95 100
174 73.0 0.0 147.8
176 69.6 0.0 142.8

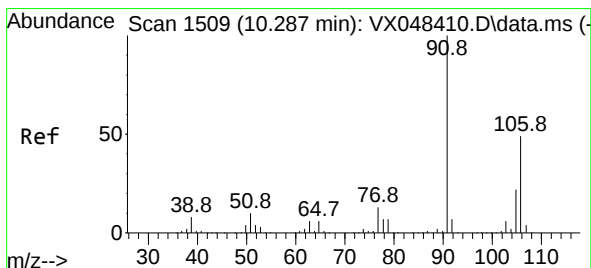
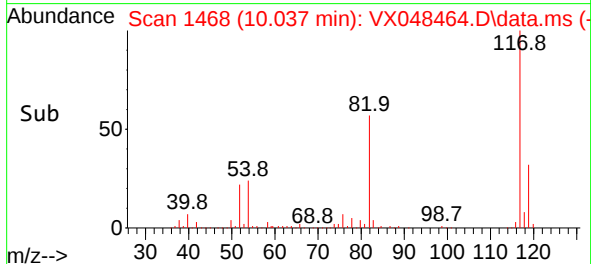
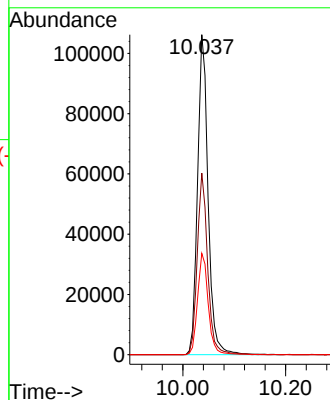
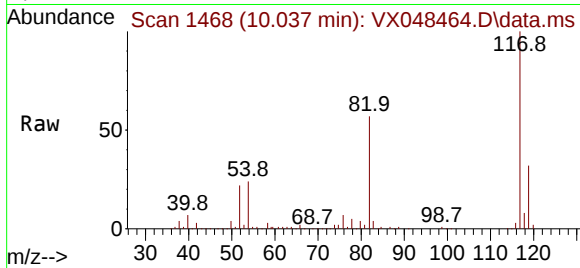




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

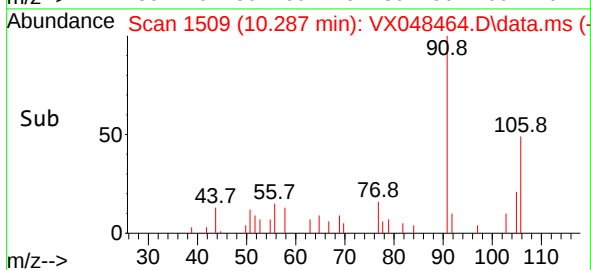
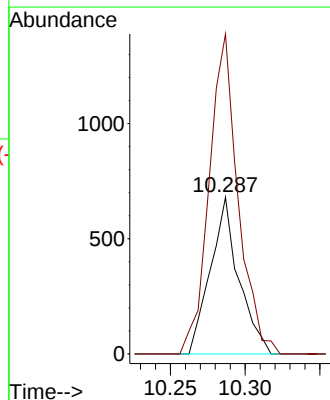
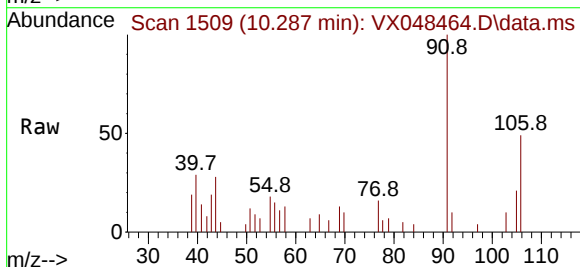
Instrument :
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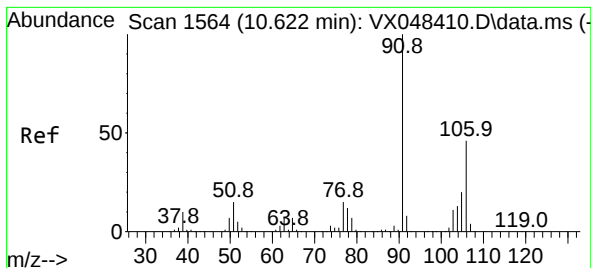
Tgt Ion:117 Resp: 151476
Ion Ratio Lower Upper
117 100
82 56.8 46.5 69.7
119 31.7 25.9 38.9



#68
m/p-Xylenes
Concen: 0.404 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion:106 Resp: 898
Ion Ratio Lower Upper
106 100
91 207.9 167.9 251.9





#69

o-Xylene

Concen: 0.247 ug/l

RT: 10.622 min Scan# 1564

Delta R.T. 0.000 min

Lab File: VX048464.D

Acq: 03 Nov 2025 17:44

Instrument :

MSVOA_X

ClientSampleId :

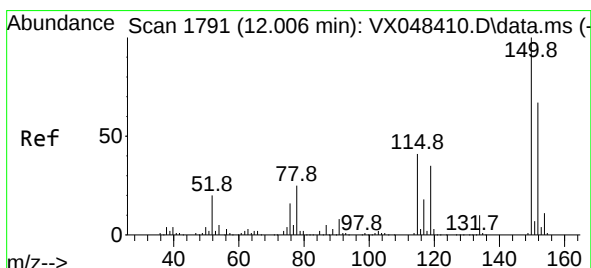
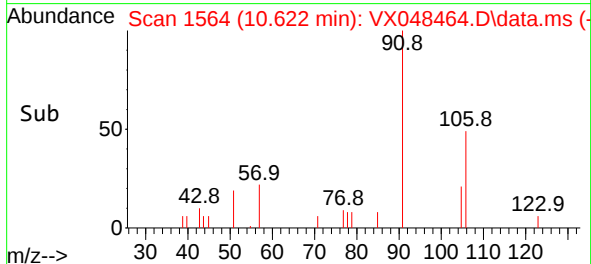
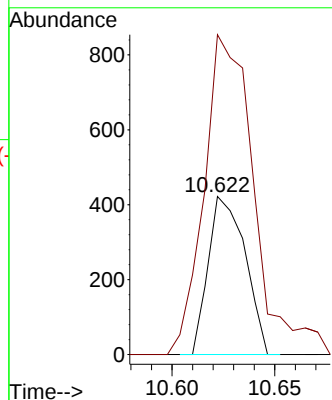
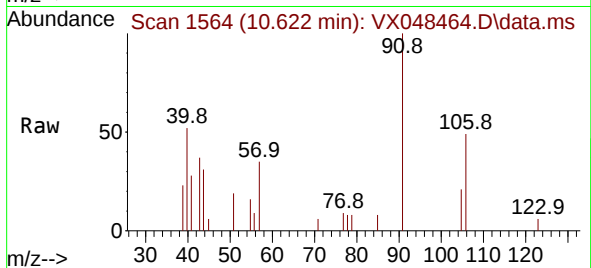
461-LIQUID

Tgt Ion:106 Resp: 526

Ion Ratio Lower Upper

106 100

91 274.1 111.3 333.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048464.D

Acq: 03 Nov 2025 17:44

Tgt Ion:152 Resp: 59323

Ion Ratio Lower Upper

152 100

115 62.1 43.1 129.4

150 159.6 0.0 353.0

