

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047491.D
 Acq On : 22 Aug 2025 12:55
 Operator : JC/MD
 Sample : Q2927-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A6121M

Quant Time: Aug 25 01:26:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

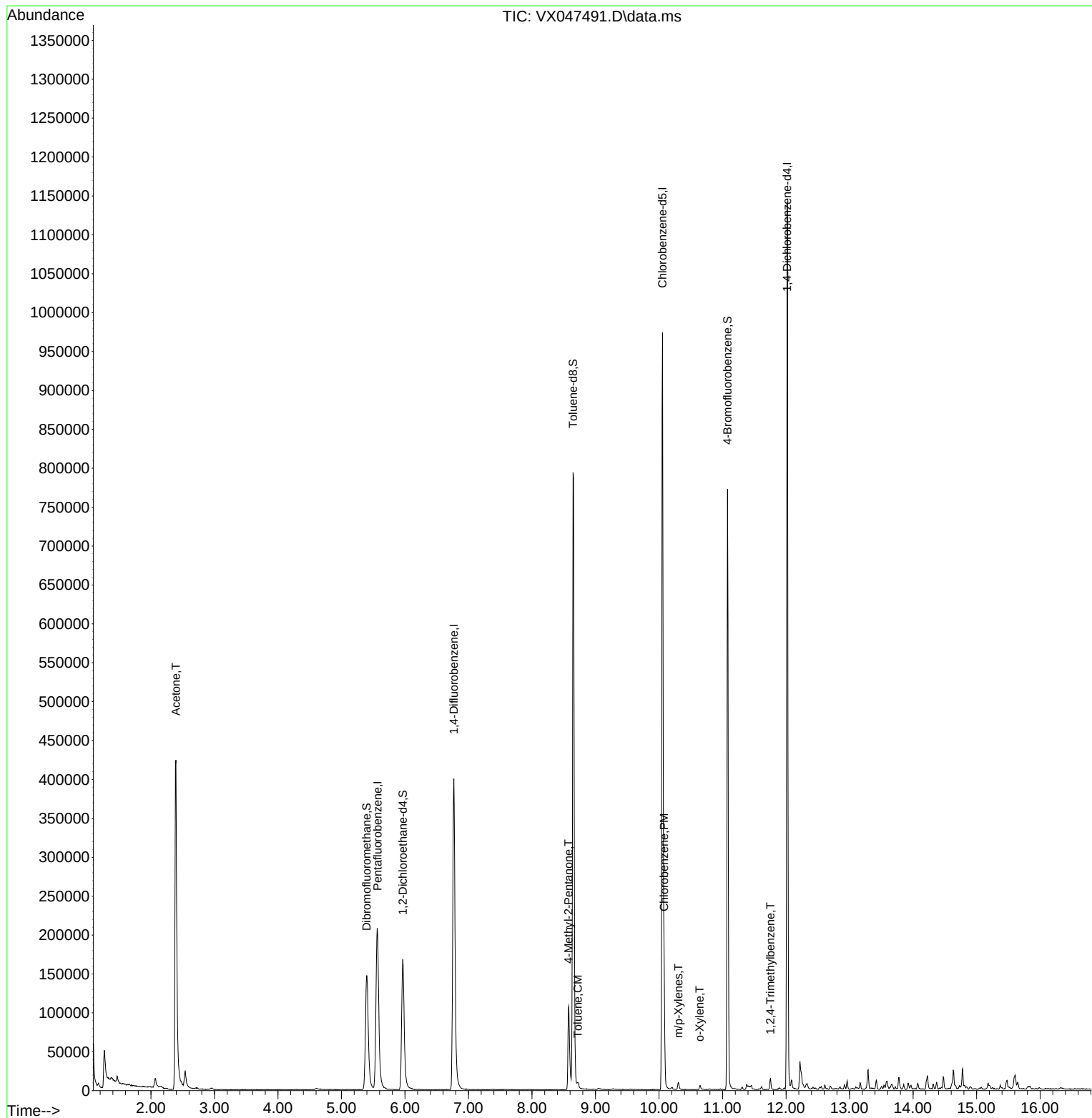
Internal Standards						
1) Pentafluorobenzene	5.568	168	208663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	427132	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	428145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	226377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176851	60.559	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 121.120%#		
35) Dibromofluoromethane	5.397	113	140551	50.702	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.400%		
50) Toluene-d8	8.647	98	503100	50.775	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.560%		
62) 4-Bromofluorobenzene	11.079	95	209329	57.251	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 114.500%		
Target Compounds						
						Qvalue
16) Acetone	2.392	43	571728	520.848	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	78708	20.957	ug/l	97
52) Toluene	8.720	92	2641	0.326	ug/l	98
65) Chlorobenzene	10.079	112	63364	6.228	ug/l	92
68) m/p-Xylenes	10.305	106	2805	0.430	ug/l	92
69) o-Xylene	10.640	106	1571	0.250	ug/l	90
84) 1,2,4-Trimethylbenzene	11.756	105	7072	0.485	ug/l	99

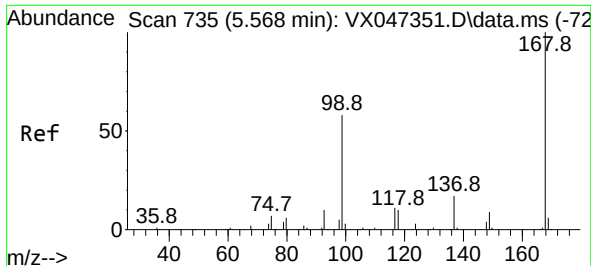
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

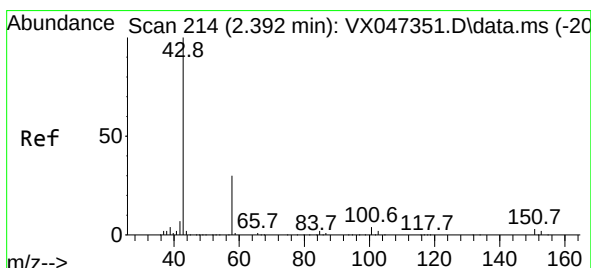
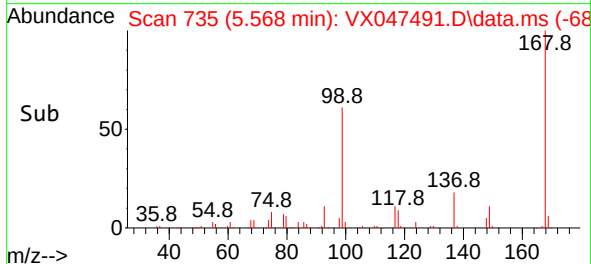
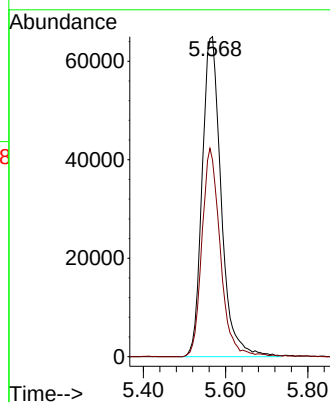
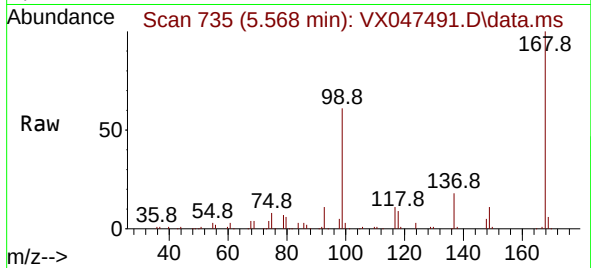




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

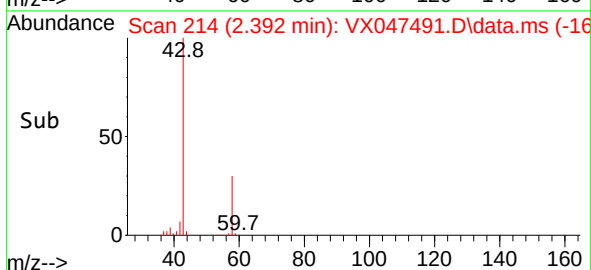
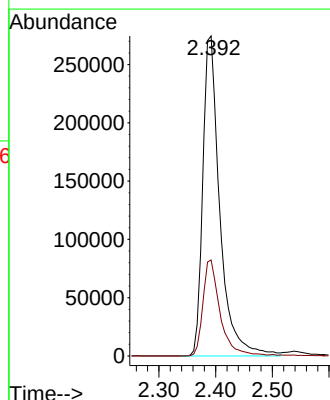
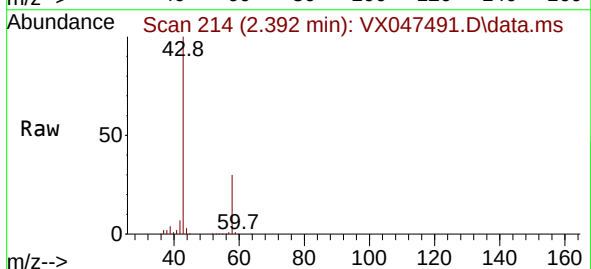
Instrument :
MSVOA_X
ClientSampleId :
A6121M

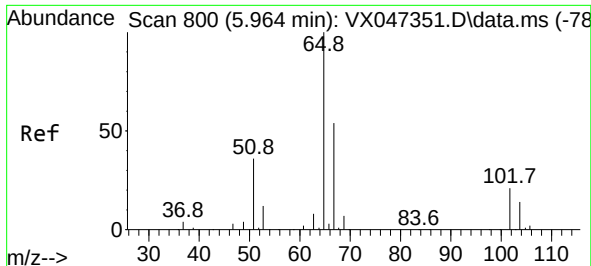
Tgt Ion:168 Resp: 208663
Ion Ratio Lower Upper
168 100
99 61.5 47.9 71.9



#16
Acetone
Concen: 520.848 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

Tgt Ion: 43 Resp: 571728
Ion Ratio Lower Upper
43 100
58 30.0 24.8 37.2





#33

1,2-Dichloroethane-d4

Concen: 60.559 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047491.D

Acq: 22 Aug 2025 12:55

Instrument :

MSVOA_X

ClientSampleId :

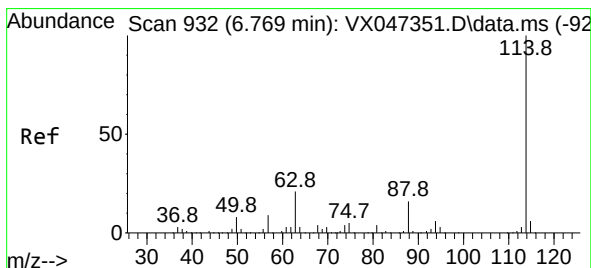
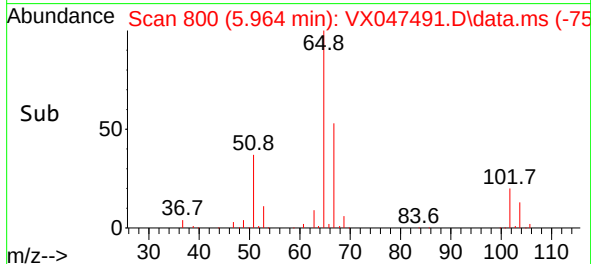
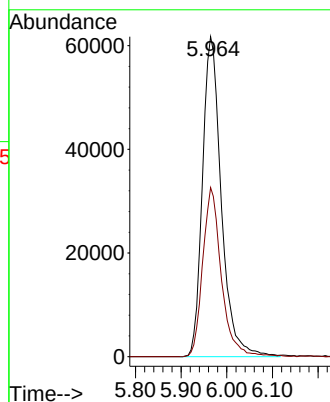
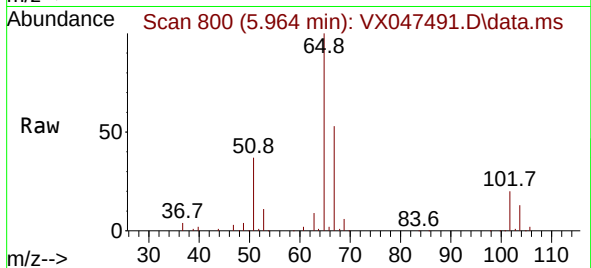
A6121M

Tgt Ion: 65 Resp: 176851

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047491.D

Acq: 22 Aug 2025 12:55

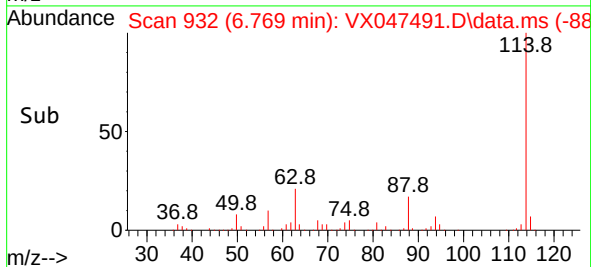
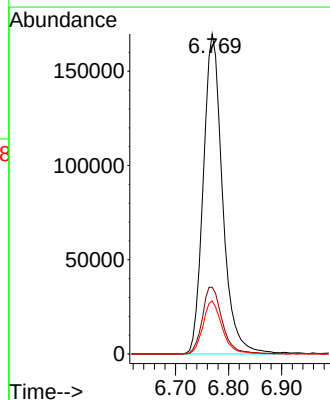
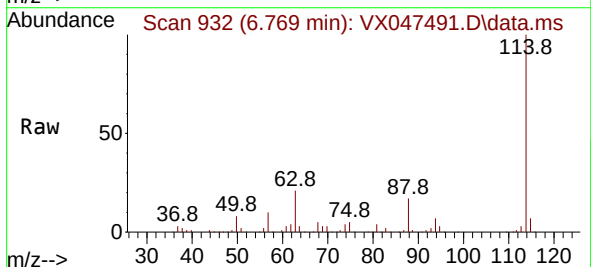
Tgt Ion: 114 Resp: 427132

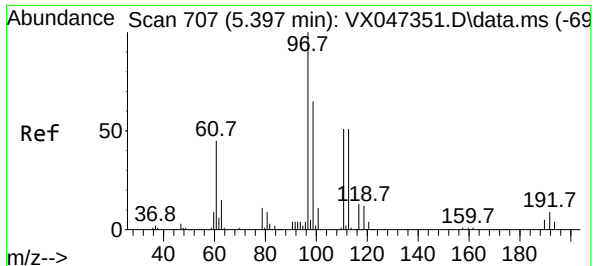
Ion Ratio Lower Upper

114 100

63 23.8 0.0 42.4

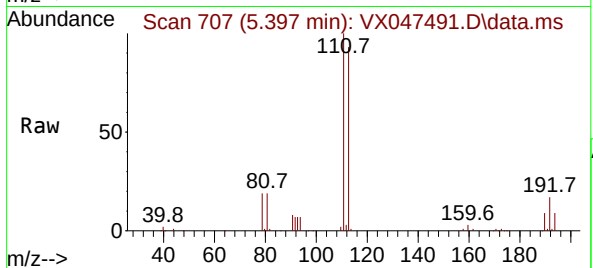
88 16.6 0.0 33.0



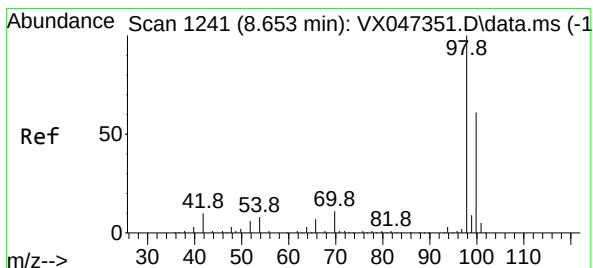
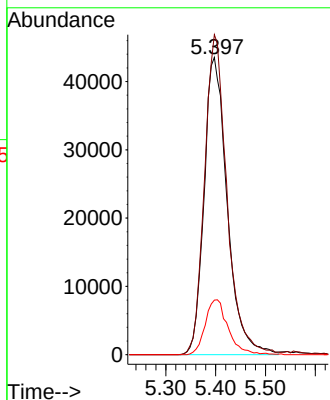
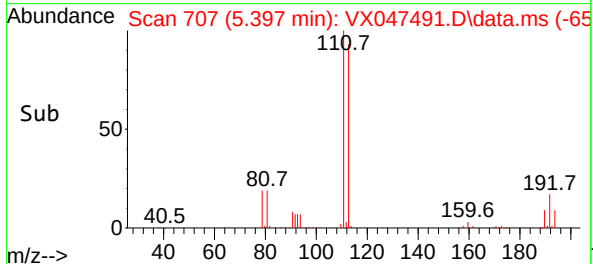


#35
Dibromofluoromethane
Concen: 50.702 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

Instrument :
MSVOA_X
ClientSampleId :
A6121M

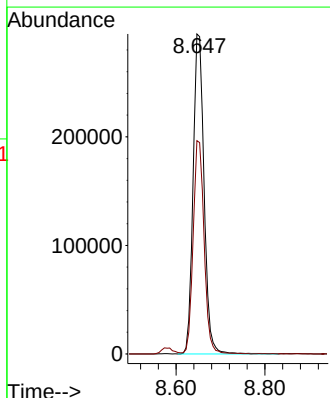
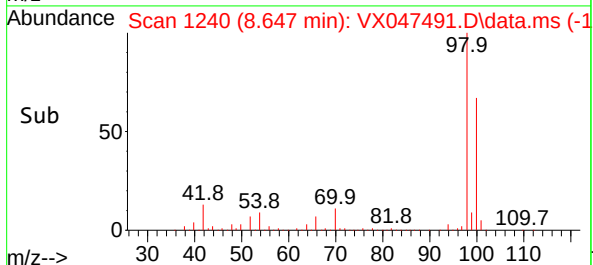
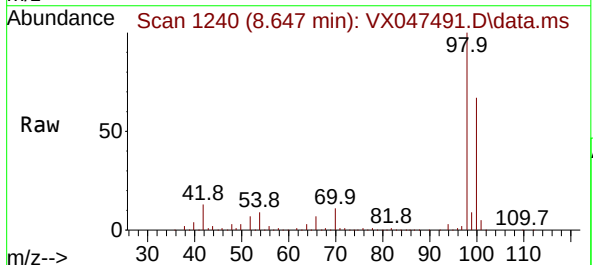


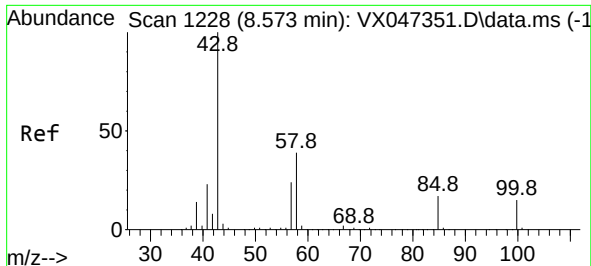
Tgt Ion:113 Resp: 140551
Ion Ratio Lower Upper
113 100
111 104.6 81.4 122.2
192 18.3 14.1 21.1



#50
Toluene-d8
Concen: 50.775 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

Tgt Ion: 98 Resp: 503100
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9

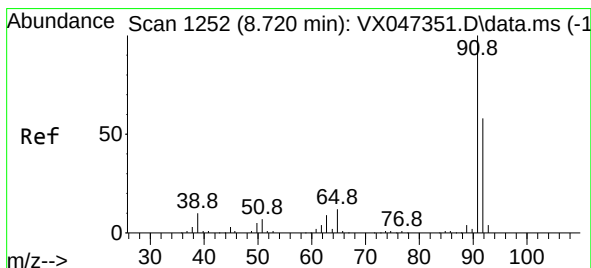
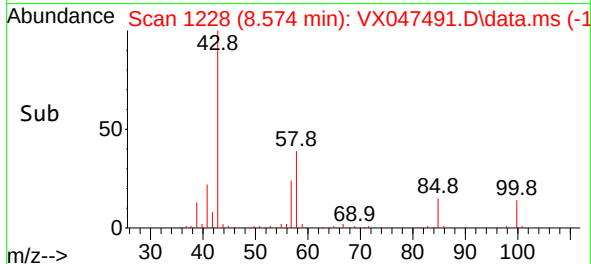
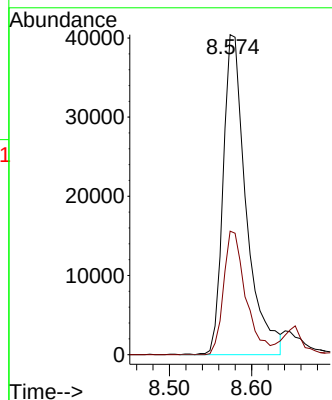
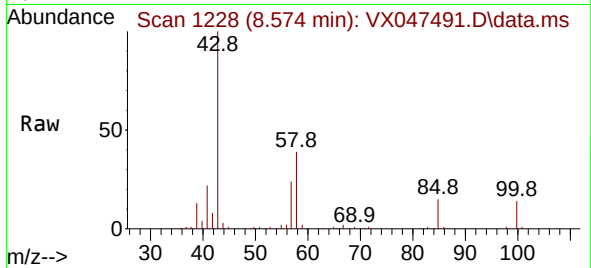




#51
4-Methyl-2-Pentanone
Concen: 20.957 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

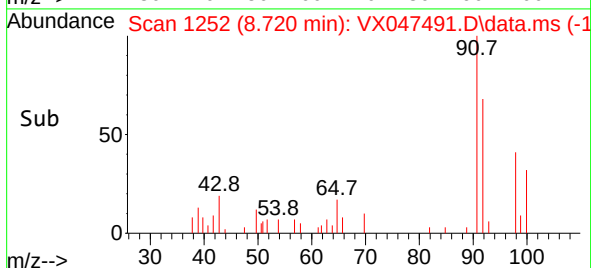
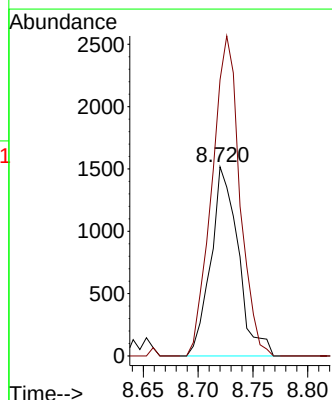
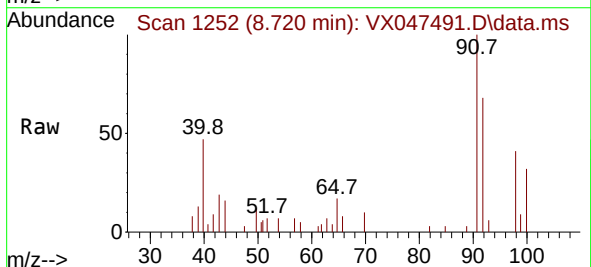
Instrument :
MSVOA_X
ClientSampleId :
A6121M

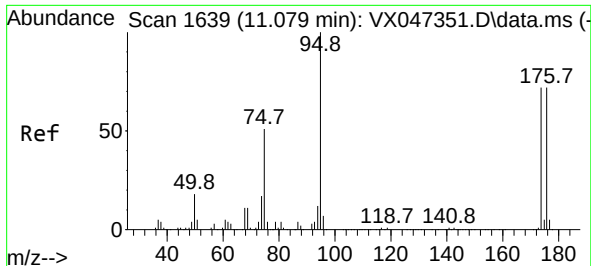
Tgt Ion: 43 Resp: 78708
Ion Ratio Lower Upper
43 100
58 37.1 31.2 46.8



#52
Toluene
Concen: 0.326 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

Tgt Ion: 92 Resp: 2641
Ion Ratio Lower Upper
92 100
91 172.5 136.3 204.5

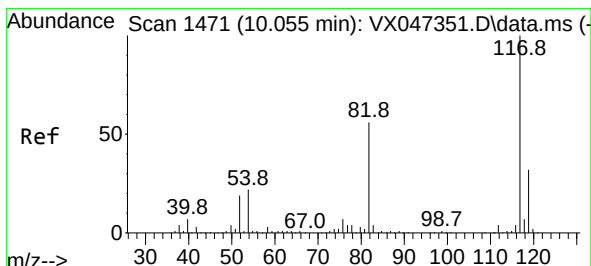
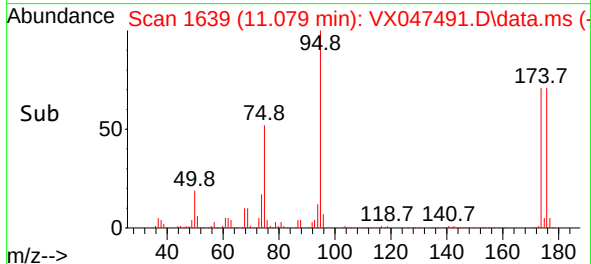
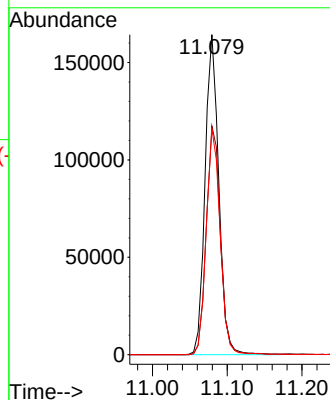
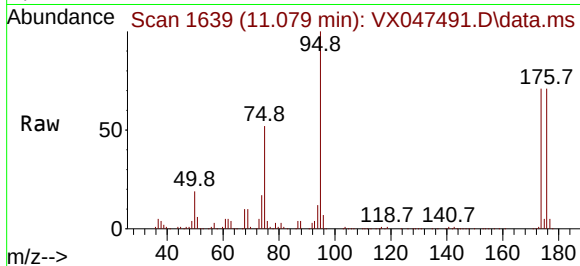




#62
4-Bromofluorobenzene
Concen: 57.251 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

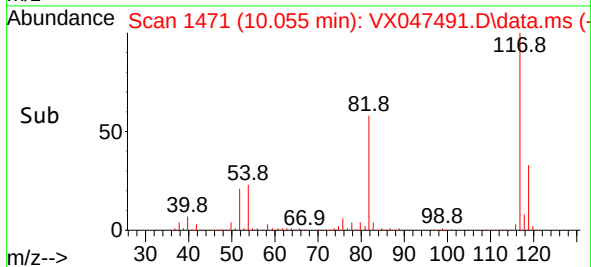
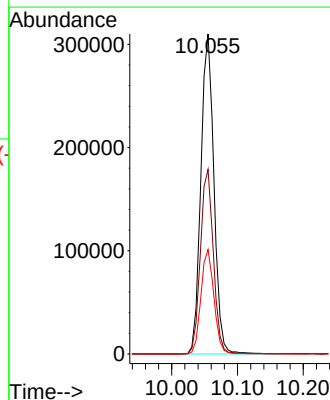
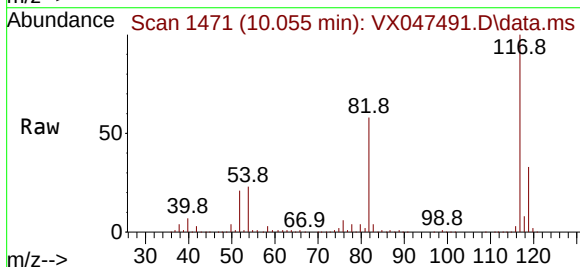
Instrument :
MSVOA_X
ClientSampleId :
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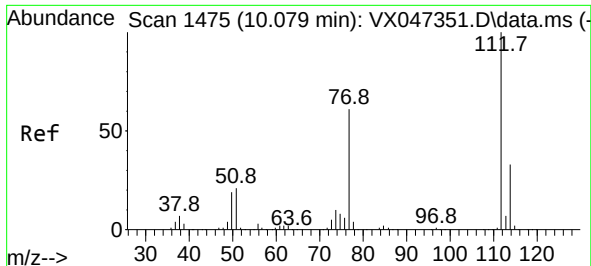
Tgt Ion: 95 Resp: 209329
Ion Ratio Lower Upper
95 100
174 73.1 0.0 148.0
176 71.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

Tgt Ion: 117 Resp: 428145
Ion Ratio Lower Upper
117 100
82 57.7 45.0 67.4
119 32.7 25.8 38.8

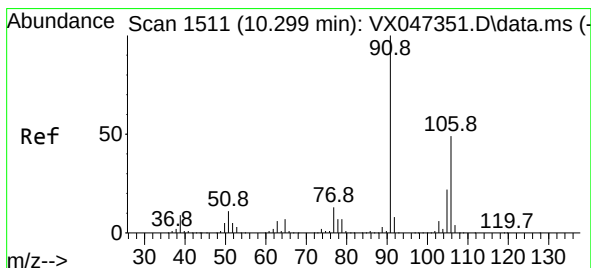
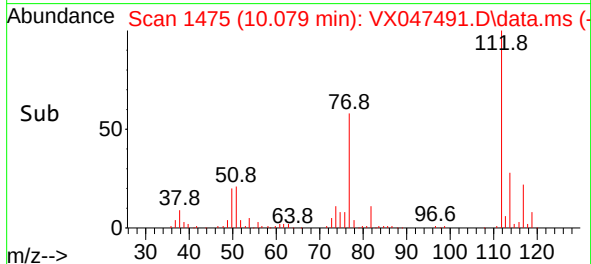
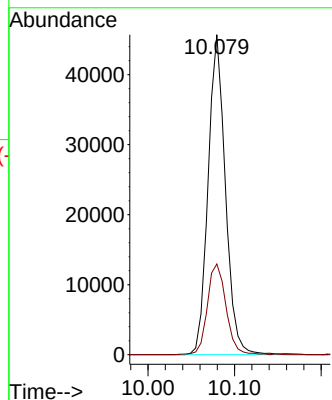
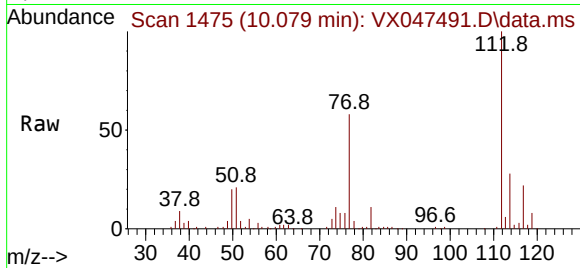




#65
Chlorobenzene
Concen: 6.228 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

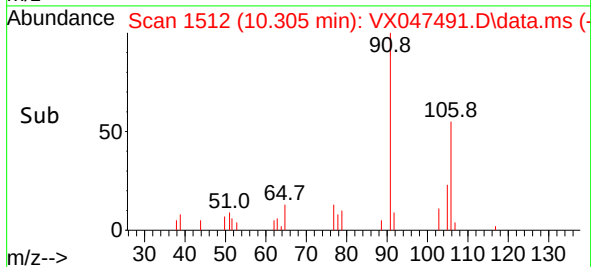
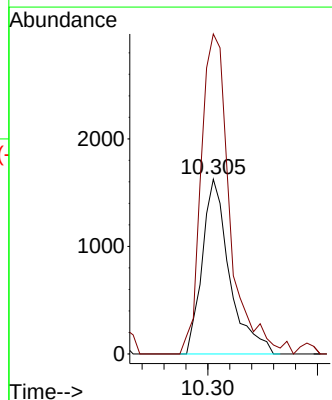
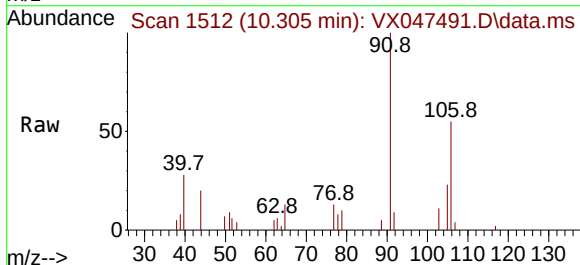
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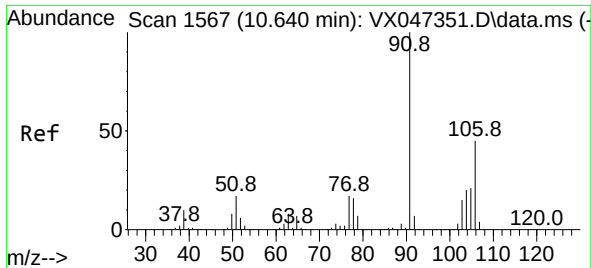
Tgt Ion:112 Resp: 63364
Ion Ratio Lower Upper
112 100
114 28.2 26.4 39.6



#68
m/p-Xylenes
Concen: 0.430 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

Tgt Ion:106 Resp: 2805
Ion Ratio Lower Upper
106 100
91 193.3 164.7 247.1

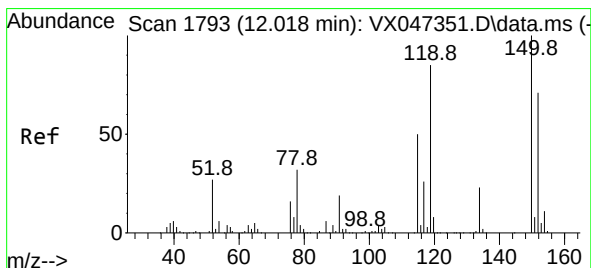
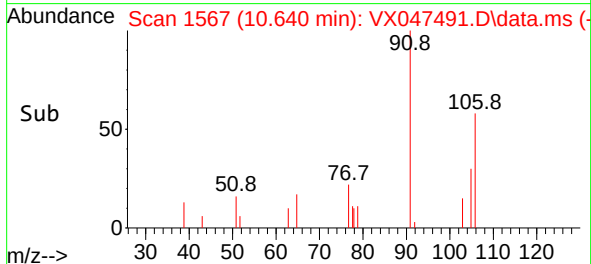
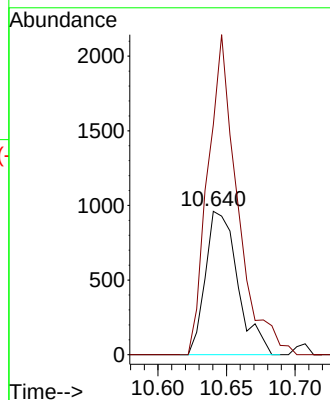
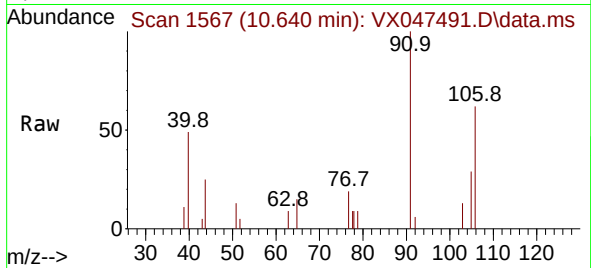




#69
o-Xylene
Concen: 0.250 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

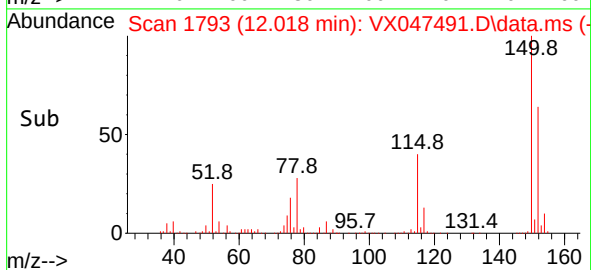
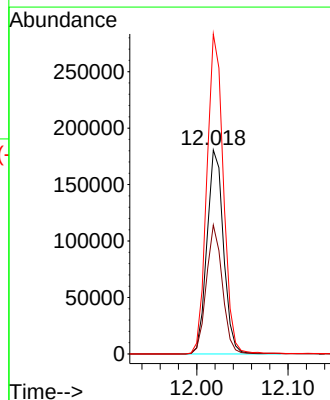
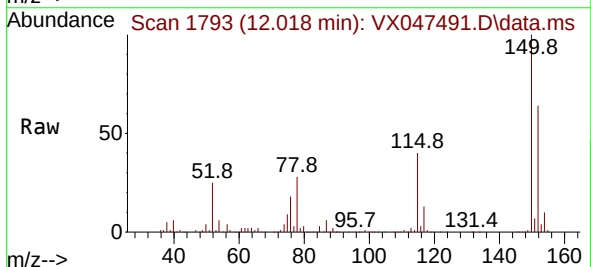
Instrument :
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ClientSampleId :
A6121M

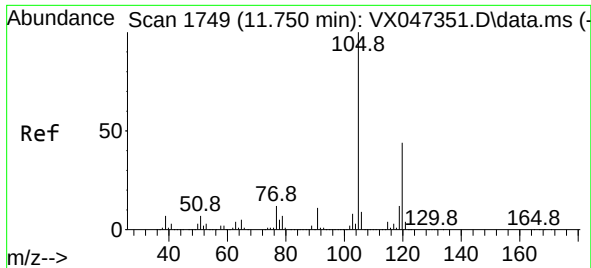
Tgt Ion:106 Resp: 1571
Ion Ratio Lower Upper
106 100
91 205.4 110.6 331.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047491.D
Acq: 22 Aug 2025 12:55

Tgt Ion:152 Resp: 226377
Ion Ratio Lower Upper
152 100
115 61.1 44.6 133.8
150 156.8 0.0 349.8





#84
 1,2,4-Trimethylbenzene
 Concen: 0.485 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX047491.D
 Acq: 22 Aug 2025 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 A6121M

Tgt Ion:105 Resp: 7072
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.9 65.7

