

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112025\
 Data File : VX048636.D
 Acq On : 20 Nov 2025 14:55
 Operator : JC/MD
 Sample : Q3689-01DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 251119071-01 VOADL

Quant Time: Nov 21 00:33:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

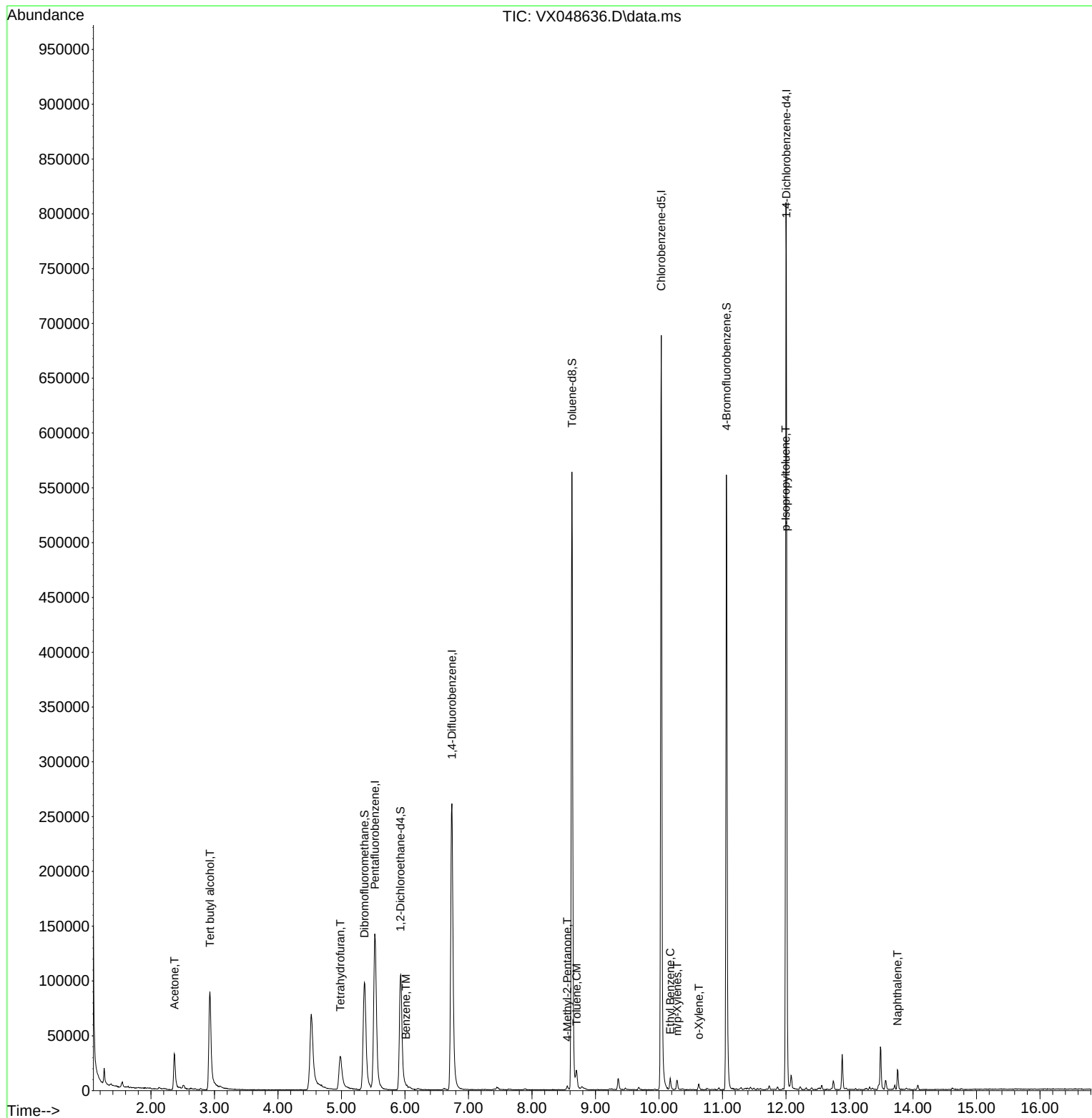
Internal Standards						
1) Pentafluorobenzene	5.525	168	150914	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	294745	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	325996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	176431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	121228	57.649	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.300%	
35) Dibromofluoromethane	5.361	113	97668	43.781	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 87.560%	
50) Toluene-d8	8.629	98	353106	50.751	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.500%	
62) 4-Bromofluorobenzene	11.061	95	156385	60.314	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.620%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.928	59	135935	341.144	ug/l	97
16) Acetone	2.367	43	45052	45.260	ug/l	100
29) Tetrahydrofuran	4.983	42	34916	33.246	ug/l	94
40) Benzene	6.013	78	2239	0.242	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	2372	0.705	ug/l #	84
52) Toluene	8.702	92	5776	1.185	ug/l	97
67) Ethyl Benzene	10.177	91	5644	0.434	ug/l	97
68) m/p-Xylenes	10.287	106	2378	0.486	ug/l	96
69) o-Xylene	10.628	106	1299	0.271	ug/l	95
86) p-Isopropyltoluene	11.994	119	3819	0.340	ug/l #	80
95) Naphthalene	13.756	128	12215	0.961	ug/l	98

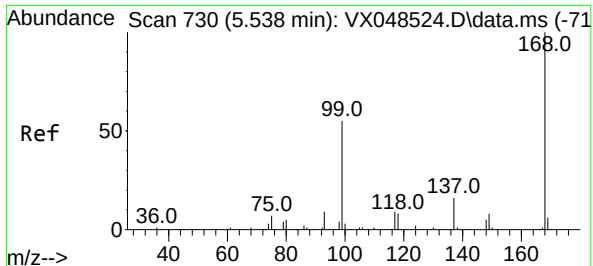
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

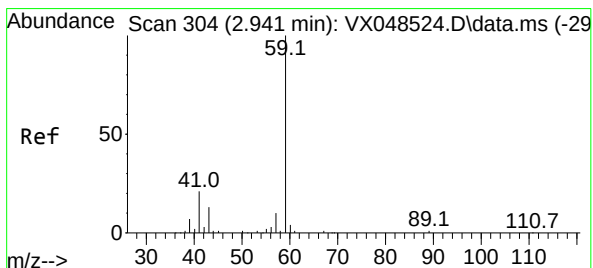
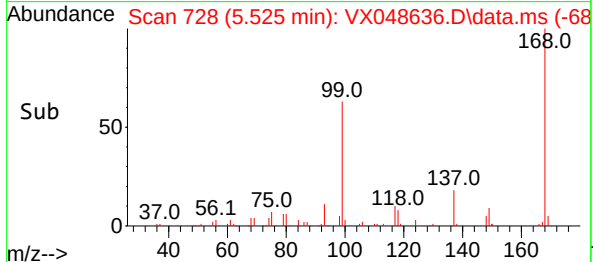
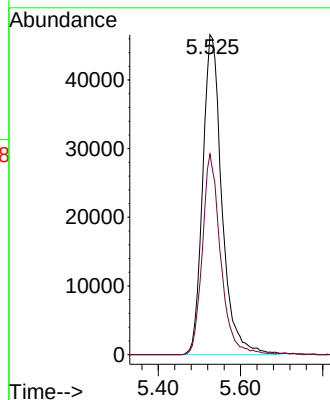
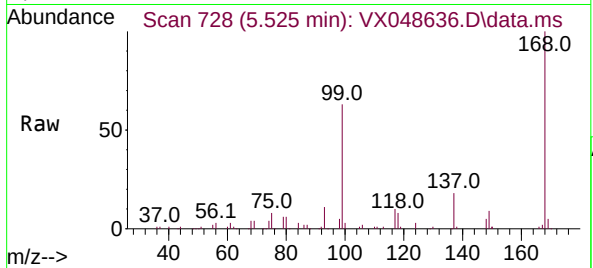




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.525 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

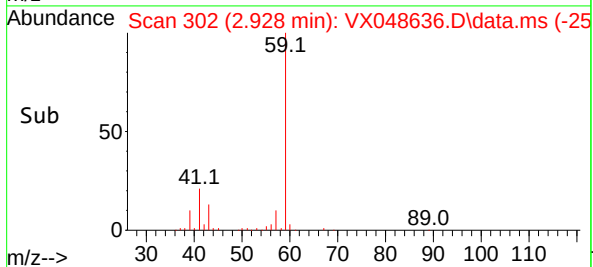
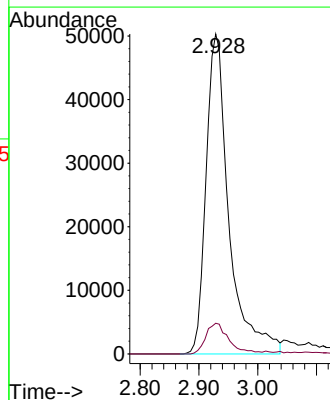
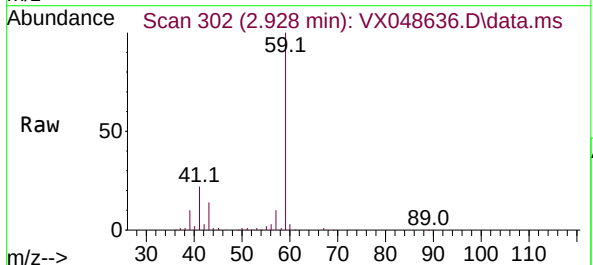
Instrument :
MSVOA_X
ClientSampleId :
251119071-01 VOADL

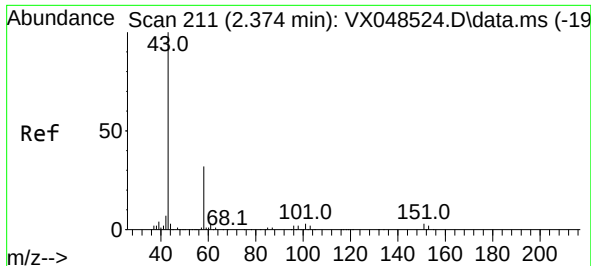
Tgt Ion:168 Resp: 150914
Ion Ratio Lower Upper
168 100
99 62.7 45.2 67.8



#11
Tert butyl alcohol
Concen: 341.144 ug/l
RT: 2.928 min Scan# 302
Delta R.T. -0.012 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

Tgt Ion: 59 Resp: 135935
Ion Ratio Lower Upper
59 100
57 9.7 8.6 13.0

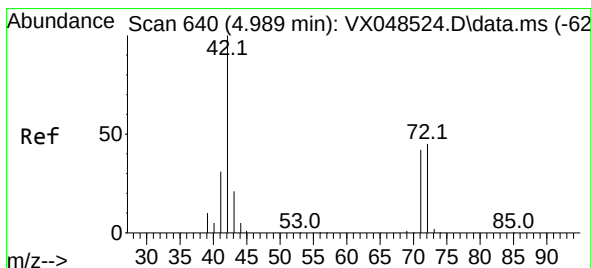
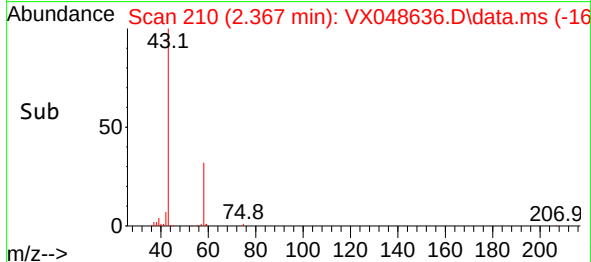
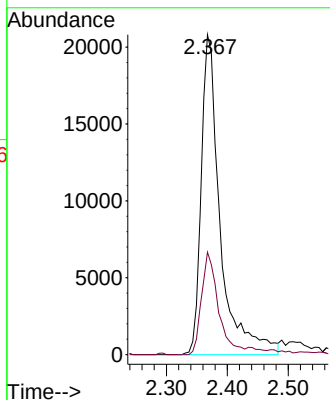
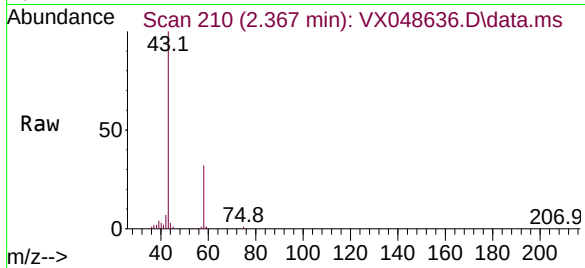




#16
Acetone
Concen: 45.260 ug/l
RT: 2.367 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

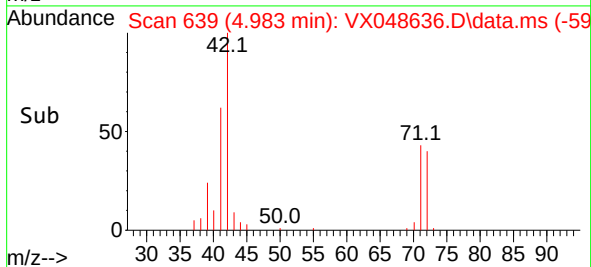
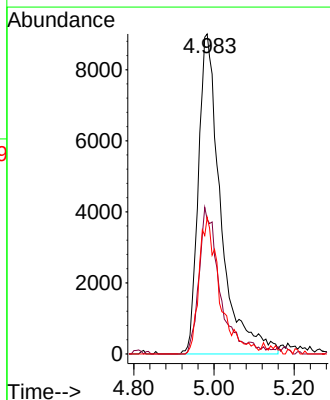
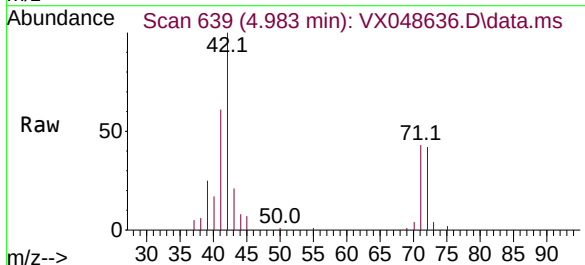
Instrument :
MSVOA_X
ClientSampleId :
251119071-01 VOADL

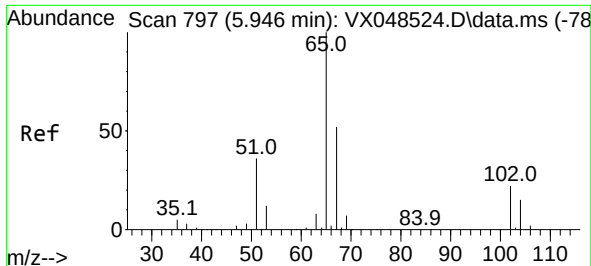
Tgt Ion: 43 Resp: 45052
Ion Ratio Lower Upper
43 100
58 32.0 25.8 38.6



#29
Tetrahydrofuran
Concen: 33.246 ug/l
RT: 4.983 min Scan# 639
Delta R.T. -0.006 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

Tgt Ion: 42 Resp: 34916
Ion Ratio Lower Upper
42 100
72 41.0 36.3 54.5
71 39.6 34.1 51.1





#33

1,2-Dichloroethane-d4

Concen: 57.649 ug/l

RT: 5.928 min Scan# 79

Delta R.T. -0.018 min

Lab File: VX048636.D

Acq: 20 Nov 2025 14:55

Instrument :

MSVOA_X

ClientSampleId :

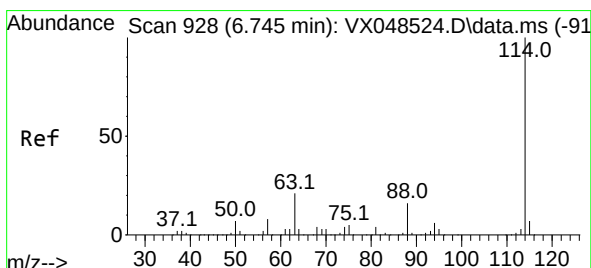
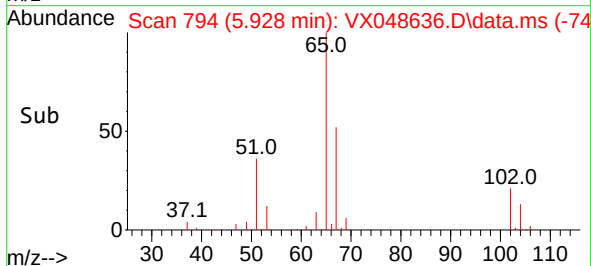
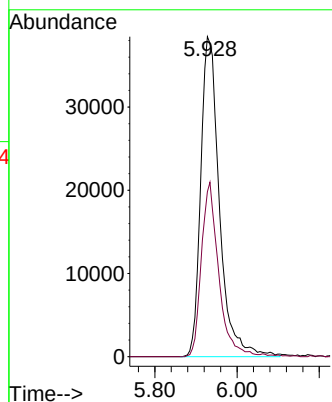
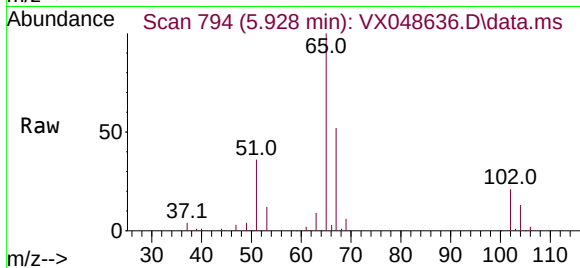
251119071-01 VOADL

Tgt Ion: 65 Resp: 121228

Ion Ratio Lower Upper

65 100

67 50.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048636.D

Acq: 20 Nov 2025 14:55

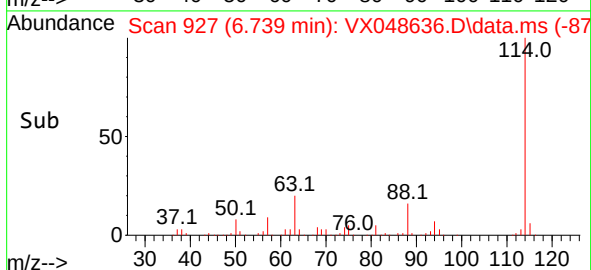
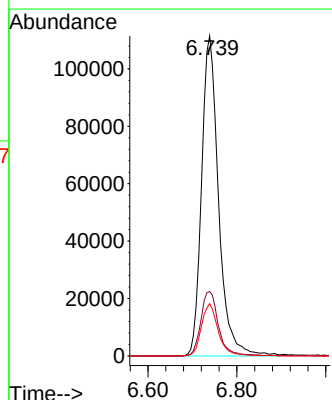
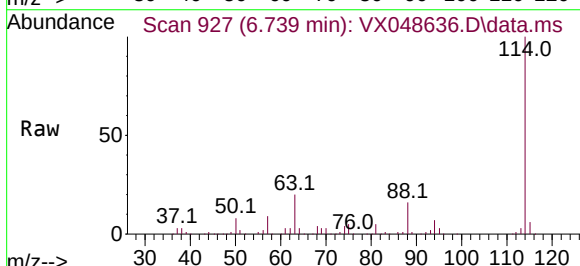
Tgt Ion: 114 Resp: 294745

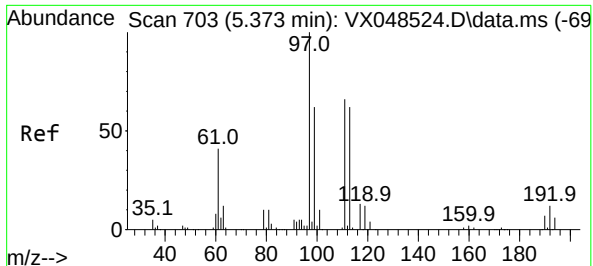
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.2

88 16.3 0.0 32.2

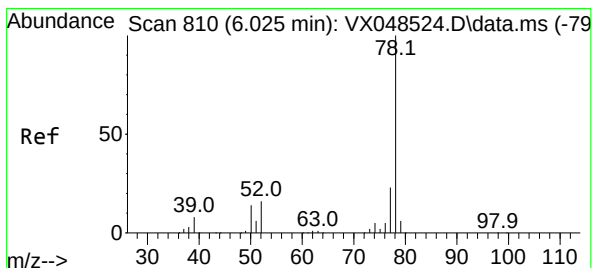
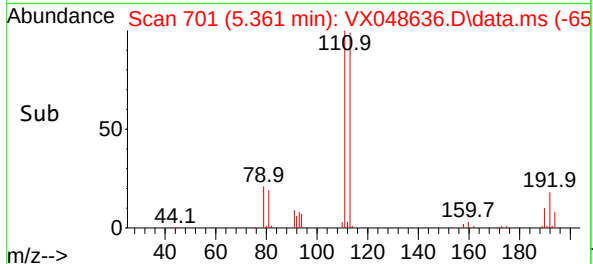
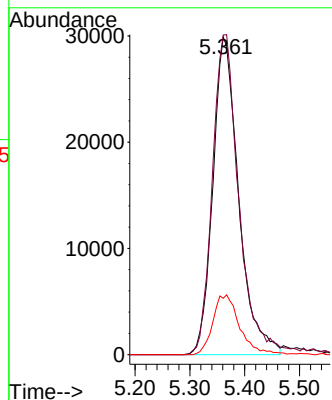
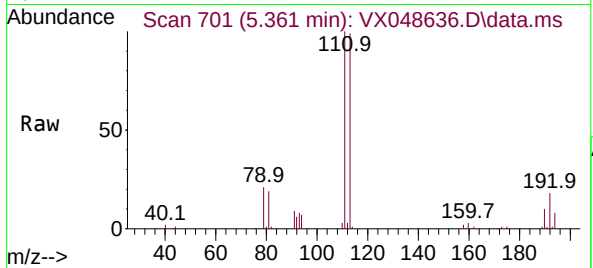




#35
Dibromofluoromethane
Concen: 43.781 ug/l
RT: 5.361 min Scan# 70
Delta R.T. -0.012 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

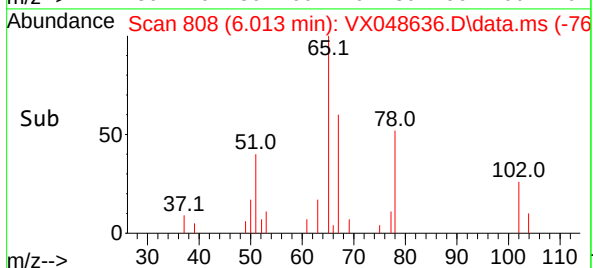
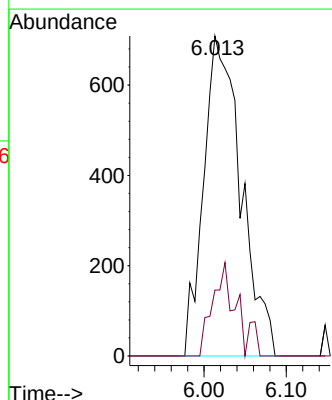
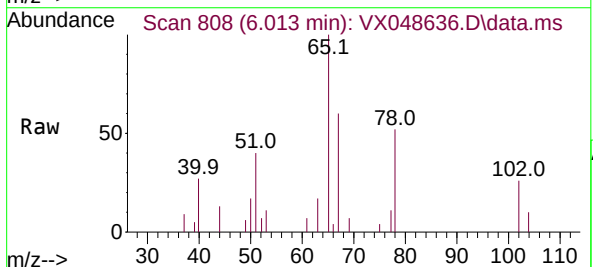
Instrument :
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251119071-01 VOADL

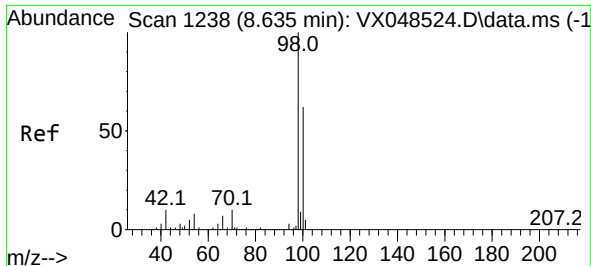
Tgt Ion:113 Resp: 97668
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 19.5 15.8 23.6



#40
Benzene
Concen: 0.242 ug/l
RT: 6.013 min Scan# 808
Delta R.T. -0.012 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

Tgt Ion: 78 Resp: 2239
Ion Ratio Lower Upper
78 100
77 20.6 18.3 27.5

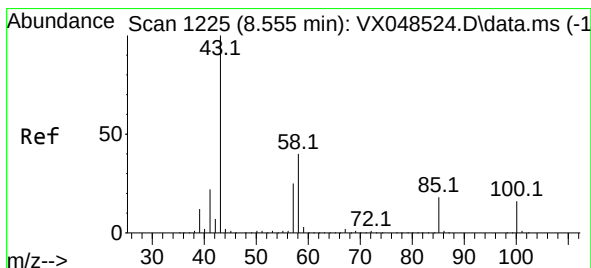
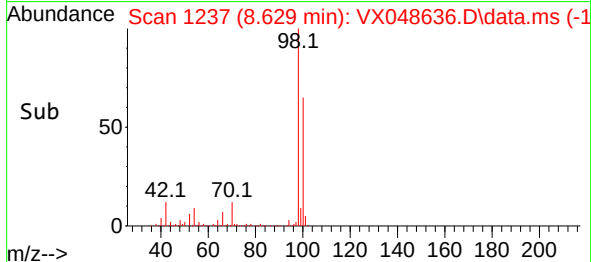
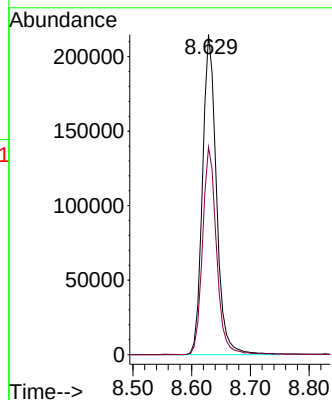
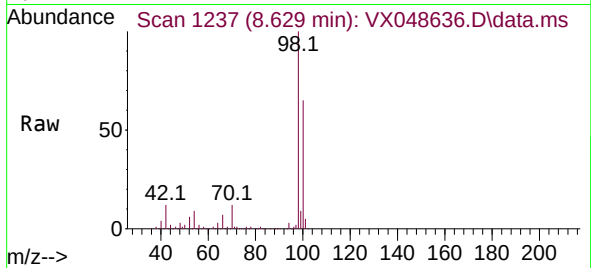




#50
Toluene-d8
Concen: 50.751 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

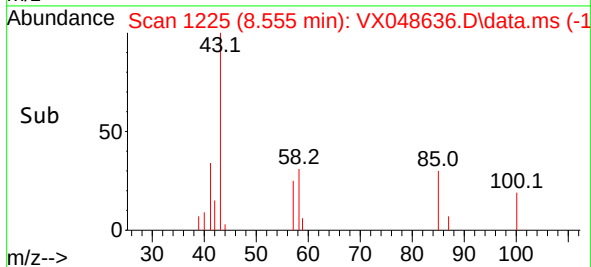
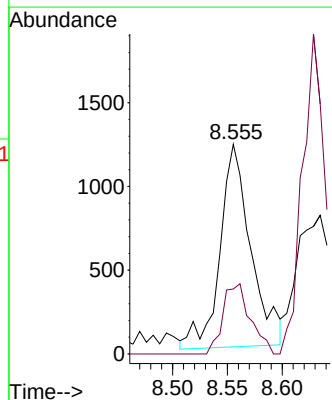
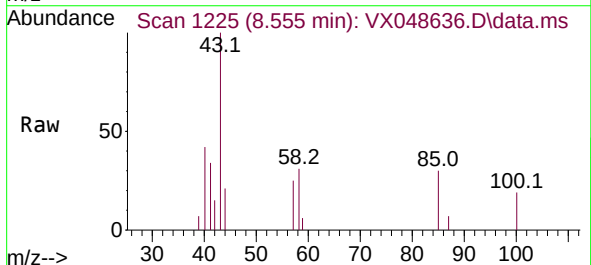
Instrument :
MSVOA_X
ClientSampleId :
251119071-01 VOADL

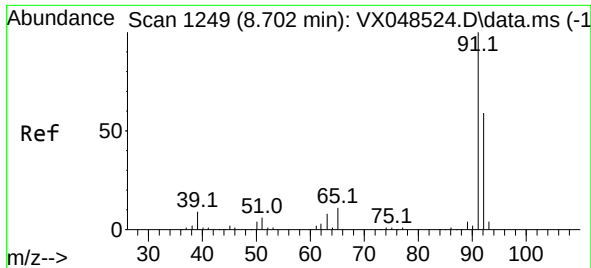
Tgt Ion: 98 Resp: 353106
Ion Ratio Lower Upper
98 100
100 65.2 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 0.705 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

Tgt Ion: 43 Resp: 2372
Ion Ratio Lower Upper
43 100
58 30.7 32.3 48.5#

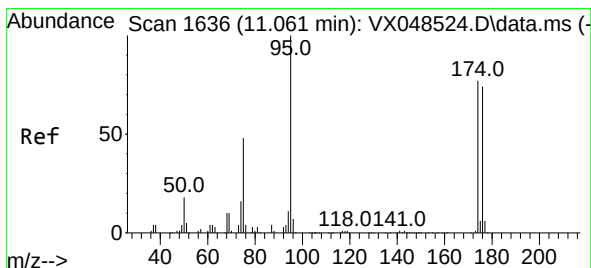
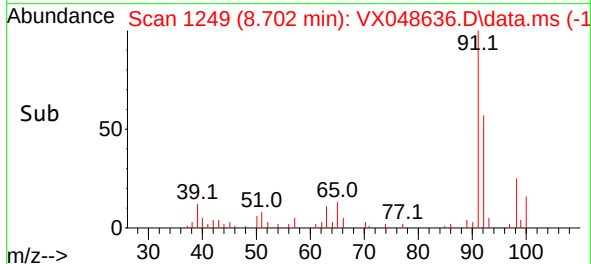
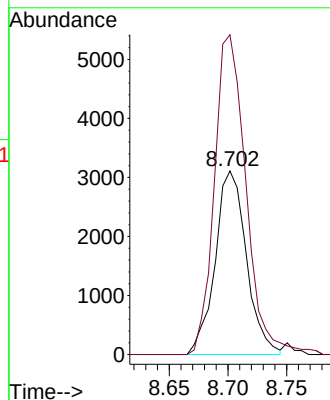
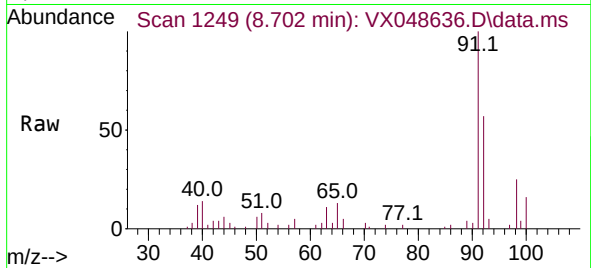




#52
Toluene
Concen: 1.185 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

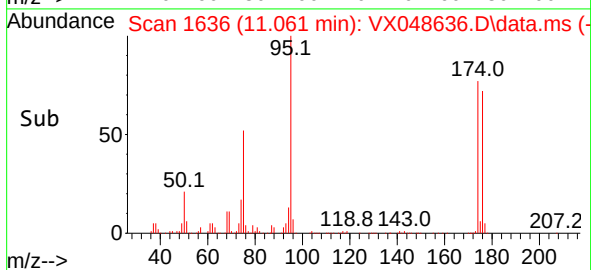
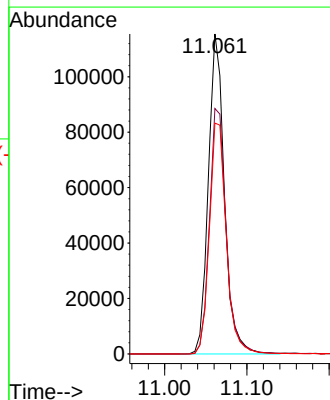
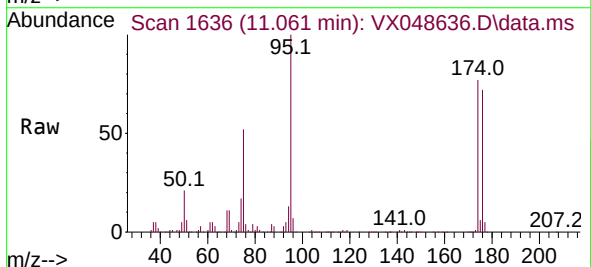
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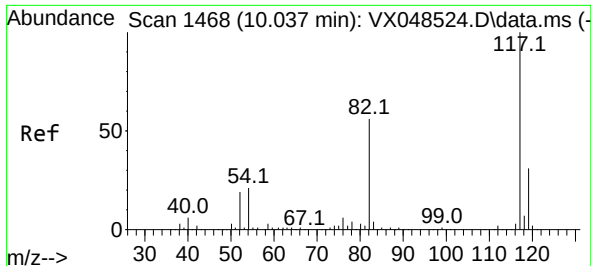
Tgt Ion: 92 Resp: 5776
Ion Ratio Lower Upper
92 100
91 175.9 137.0 205.6



#62
4-Bromofluorobenzene
Concen: 60.314 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

Tgt Ion: 95 Resp: 156385
Ion Ratio Lower Upper
95 100
174 80.3 0.0 161.8
176 76.0 0.0 153.6

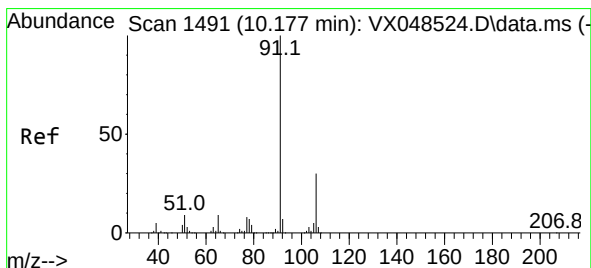
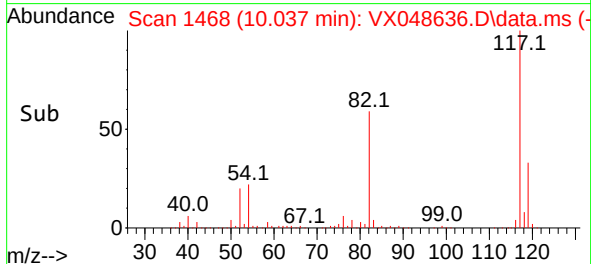
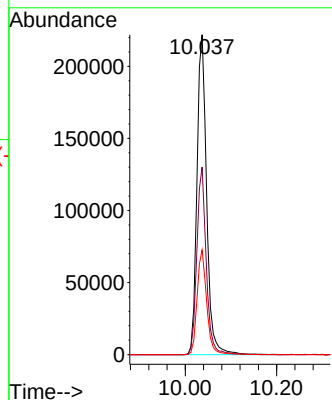
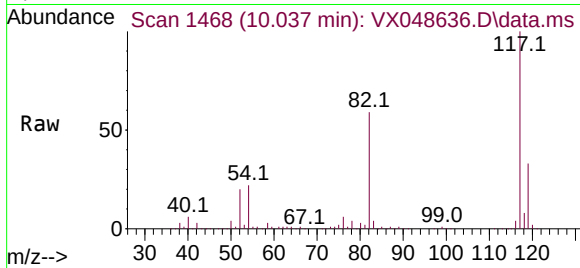




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

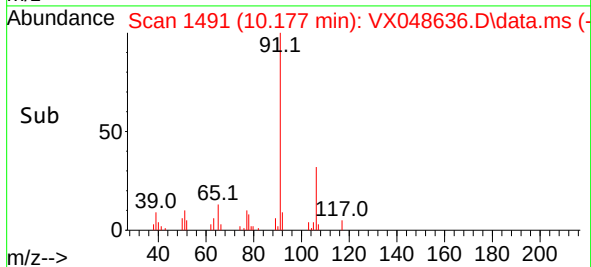
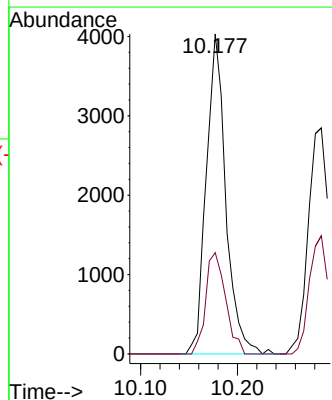
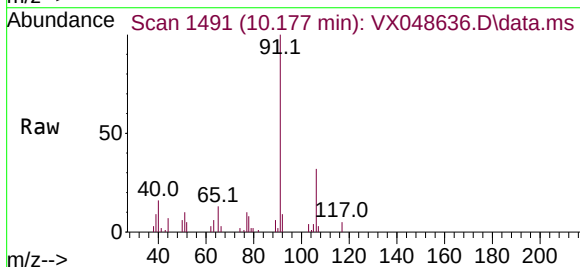
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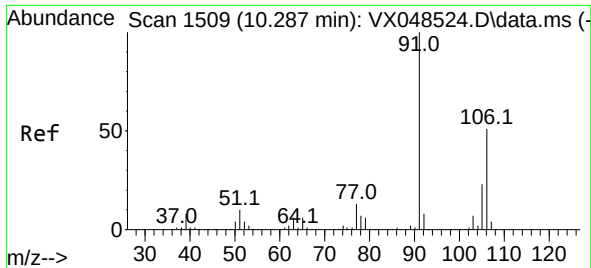
Tgt Ion:117 Resp: 325996
Ion Ratio Lower Upper
117 100
82 58.6 44.4 66.6
119 32.7 25.1 37.7



#67
Ethyl Benzene
Concen: 0.434 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

Tgt Ion: 91 Resp: 5644
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1

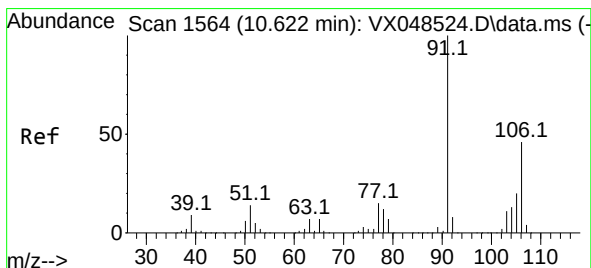
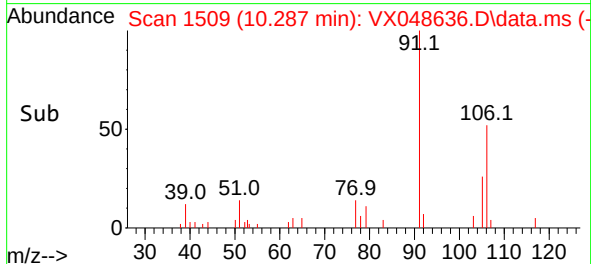
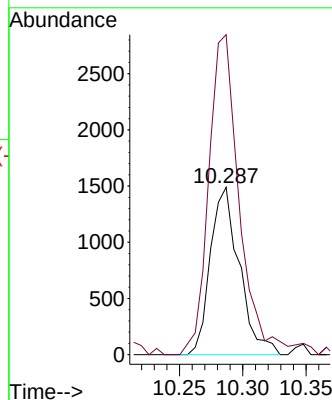
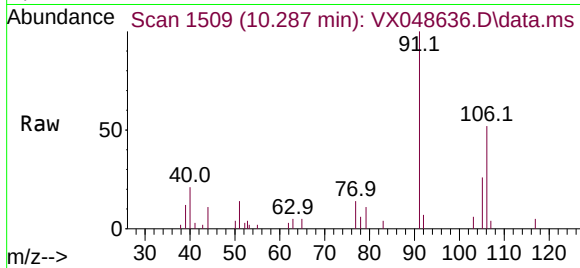




#68
m/p-Xylenes
Concen: 0.486 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

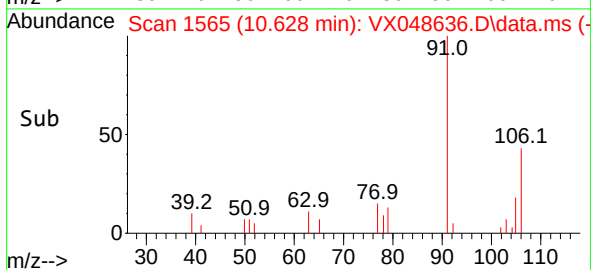
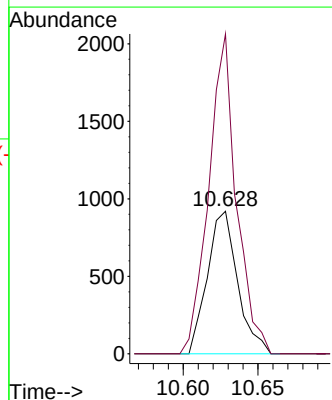
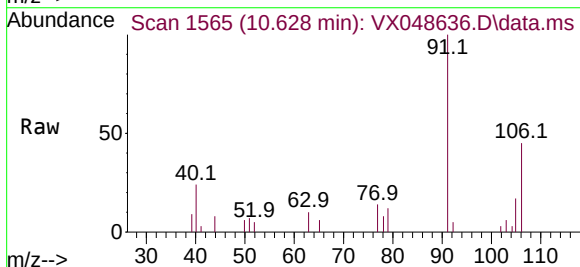
Instrument :
MSVOA_X
ClientSampleId :
251119071-01 VOADL

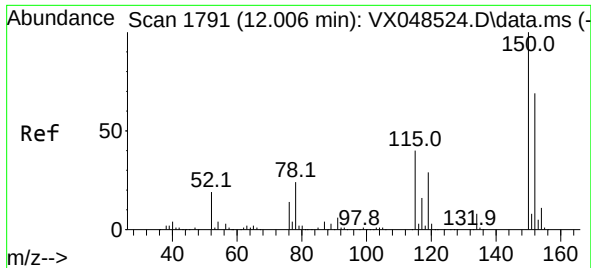
Tgt Ion:106 Resp: 2378
Ion Ratio Lower Upper
106 100
91 205.0 159.6 239.4



#69
o-Xylene
Concen: 0.271 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048636.D
Acq: 20 Nov 2025 14:55

Tgt Ion:106 Resp: 1299
Ion Ratio Lower Upper
106 100
91 205.4 106.4 319.2

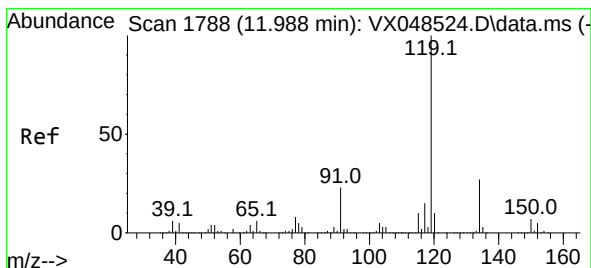
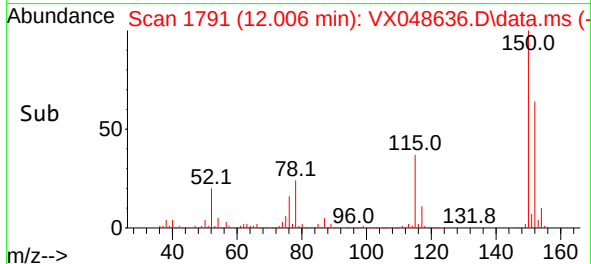
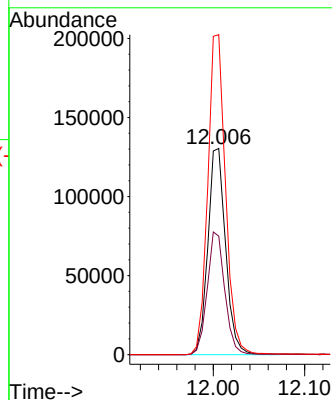
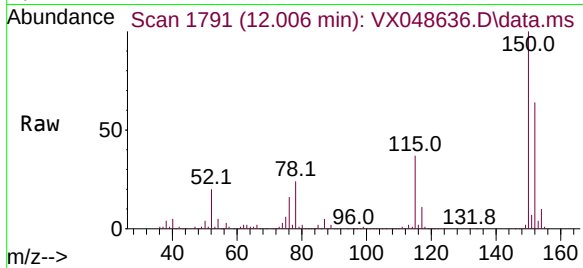




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX048636.D
 Acq: 20 Nov 2025 14:55

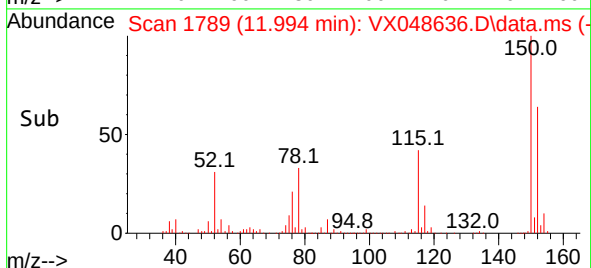
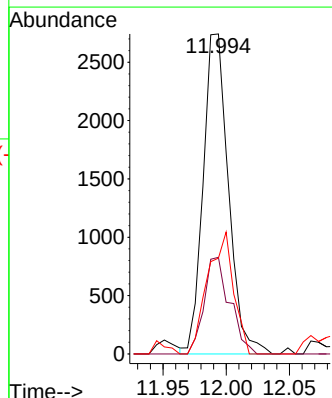
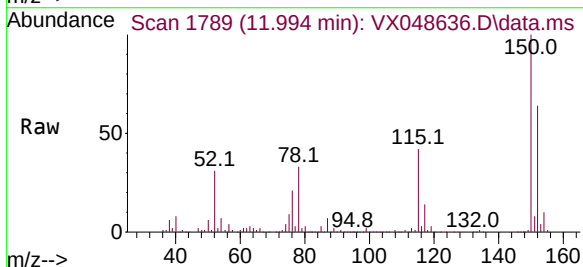
Instrument :
 MSVOA_X
 ClientSampleId :
 251119071-01 VOADL

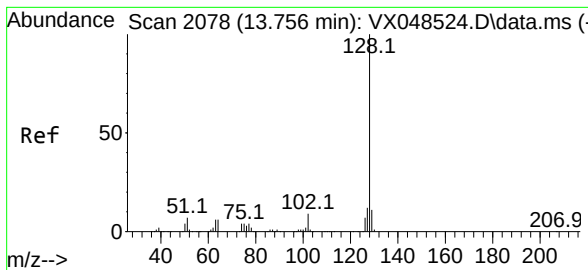
Tgt Ion:152 Resp: 176431
 Ion Ratio Lower Upper
 152 100
 115 58.7 39.2 117.6
 150 155.2 0.0 347.0



#86
 p-Isopropyltoluene
 Concen: 0.340 ug/l
 RT: 11.994 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: VX048636.D
 Acq: 20 Nov 2025 14:55

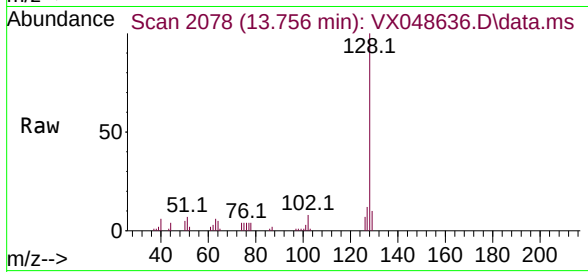
Tgt Ion:119 Resp: 3819
 Ion Ratio Lower Upper
 119 100
 134 30.6 13.2 39.5
 91 38.8 11.3 33.9#





#95
 Naphthalene
 Concen: 0.961 ug/l
 RT: 13.756 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX048636.D
 Acq: 20 Nov 2025 14:55

Instrument : MSVOA_X
 ClientSampleId : 251119071-01 VOADL



Tgt Ion:	128	Resp:	12215
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	11.9	8.7	13.1

